



# Survey Report

## 2024 - 4

### Survey Specimens

The homogeneity and stability of all specimens were checked before and/or during shipment and no irregularities were noted. The suitability tests were performed by the laboratories of the Universitätsspital Zürich (University Hospital Zurich) (<http://www.uzl.usz.ch/>).

The following survey specimens were produced specifically for MQ by a sub-contractor:  
B2 Uricult, H4 Parasitic Hematology, K14 tumor marker

### Determination of target values

For each target value, the type of determination per ISO17043: 2010 B2.1 is indicated (column "type"):

- a Value known due to production.
- b Certified reference value for use with special specimens
- c Reference value determined by analysis
- d Consensus values of expert laboratories
- e Consensus values of the participants

For methods groups with more than 9 participants, consensus values of the participants ("e") are generally determined.

In order to calculate the target values, we use the mean value of the method group. Values that differ more than 1.5 times the QUALAB-tolerance are outliers and are not used to calculate the target value. Starting point for the elimination of outliers are the values of our suitability tests.

In order to provide all participants with target values that are as meaningful as possible, other methods may also be applied for smaller method groups.

### Uncertainty of the determined target values

The standard uncertainty ( $u_x$ ) is calculated using the following formula (ISO13528):

$u_x = (\text{target value}/100) * (1.25/\text{square root of "number of participants"}) * \%CV$

- $u_x$  has the same unit as the target value
- $u_x$  can be compared with the standard deviation of the participants' collective ( $SD = \text{target value} * \%CV / 100$ )
- For participant numbers >18, the standard uncertainty ( $u_x$ ) is significantly lower than the scatter of the collective participants and can be neglected.

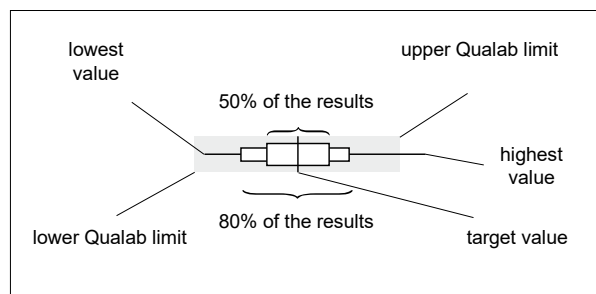
### QUALAB and MQ tolerances

For all mandatory analyzes, QUALAB tolerances are used ([www.qualab.ch](http://www.qualab.ch), external quality control). For non-mandatory analyzes, the tolerances are specified by MQ's survey specimen leader.

If the determined uncertainty,  $u_x$ , of the target value is greater than 15% of the QUALAB or MQ tolerance, the letter indicating the type of target detection is marked with an additional star (example "e\*"). Thereby, we are alerting the participants to the fact that the uncertainty of the target value can have an impact on the evaluation.

### Graphics

The results are shown graphically as follows:



### Comparison of Devices

The data in this report allows you to compare the performance of different devices. However, remember to consider the following:

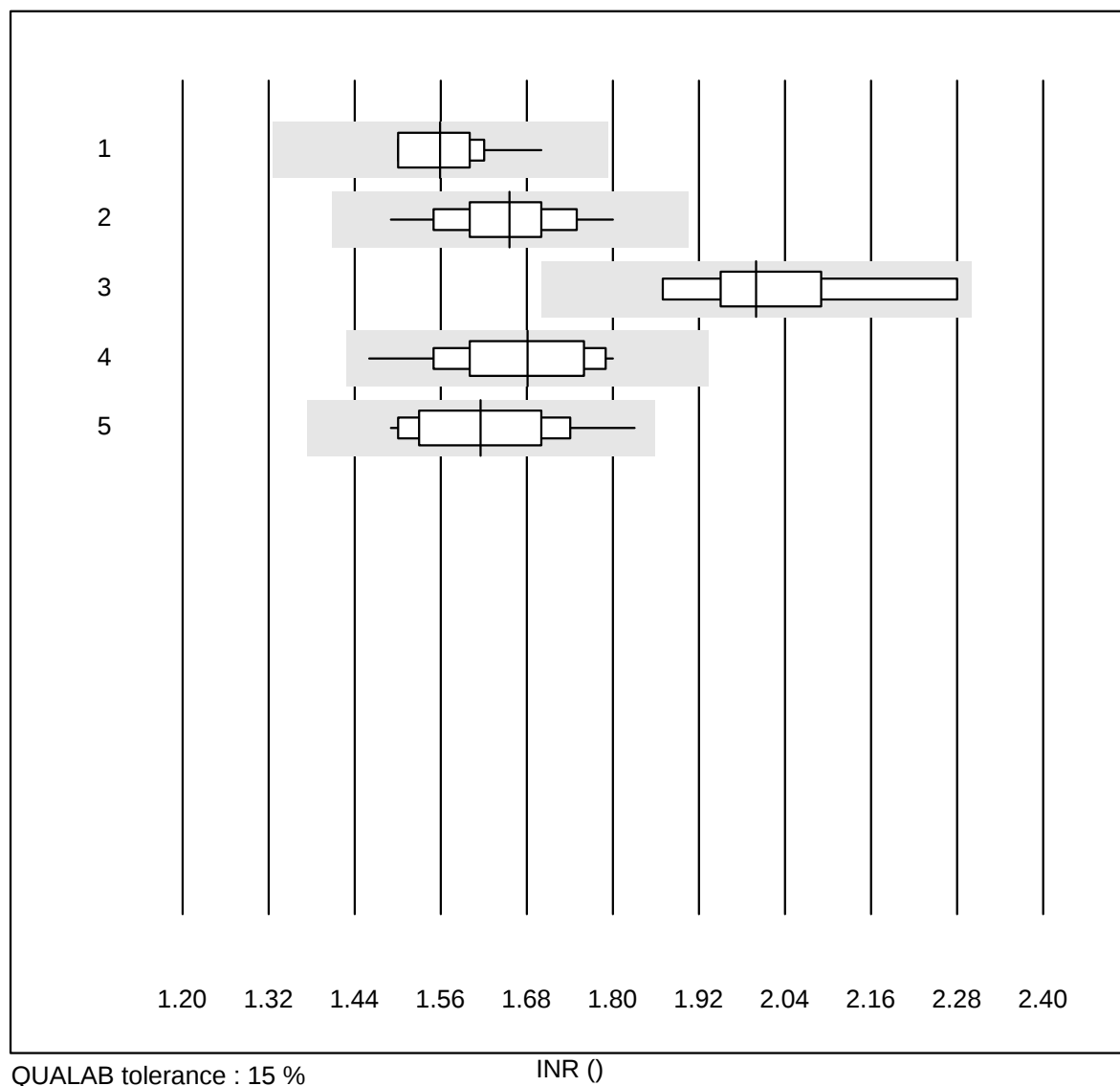
- The chemical control K1 is a ready-to-use commercial control serum. Even if the specimen is of human origin, it is possible that matrix effects occur. These are device-specific and result in different target values.
- Only one specimen was measured. Since the scatter of the results is dependent on the nature of the specimen (matrix effects) and on the signal strength, the determined coefficient of variations (CV in %) cannot be applied generally.
- A large number of runaways is due to administrative errors (wrong unit, results mixed up) or to operator errors (wrong sample, not correctly taken up in solution, not mixed well) and has nothing to do with the type of device.

Zürich, 8.12.2024

Dr. R. Fried  
Survey Director

*Publication of this report or any portion thereof without our prior written consent is not permitted. The original is archived at [www.mqzh.ch](http://www.mqzh.ch)*

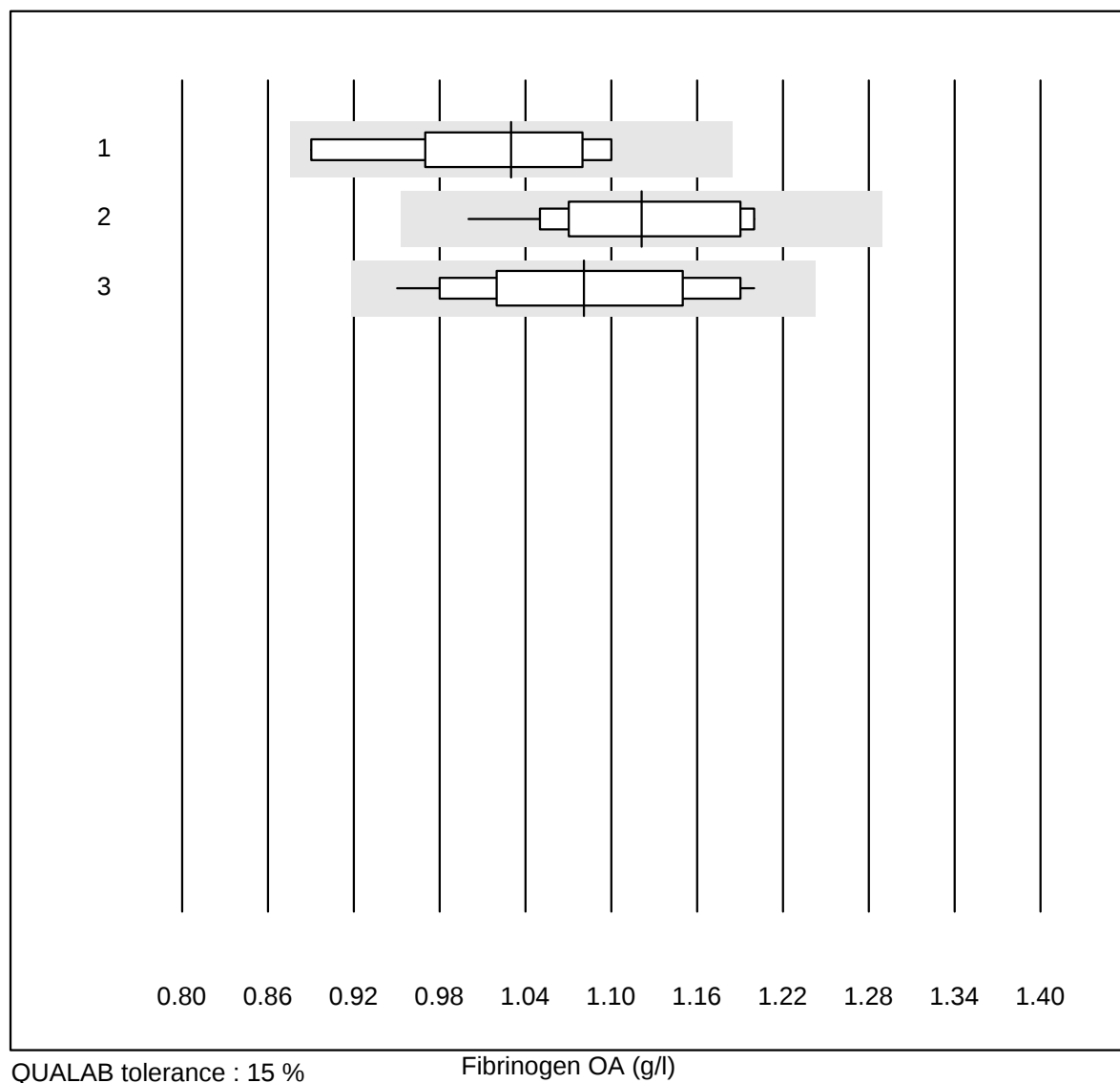
## INR



| No. | Methode           | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|-------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Innovin           | 16    | 100.0 | 0.0       | 0.0       | 1.56   | 3.9 | e    |
| 2   | Neoplastin R      | 15    | 100.0 | 0.0       | 0.0       | 1.66   | 4.7 | e    |
| 3   | Neoplastin Plus   | 9     | 100.0 | 0.0       | 0.0       | 2.00   | 6.2 | e*   |
| 4   | Recombiplastin 2G | 15    | 100.0 | 0.0       | 0.0       | 1.68   | 5.9 | e    |
| 5   | Other methods     | 13    | 92.3  | 0.0       | 7.7       | 1.62   | 6.6 | e*   |

3 additional results were submitted but not published because the method groups were too small. (< results per group)

## Fibrinogen OA



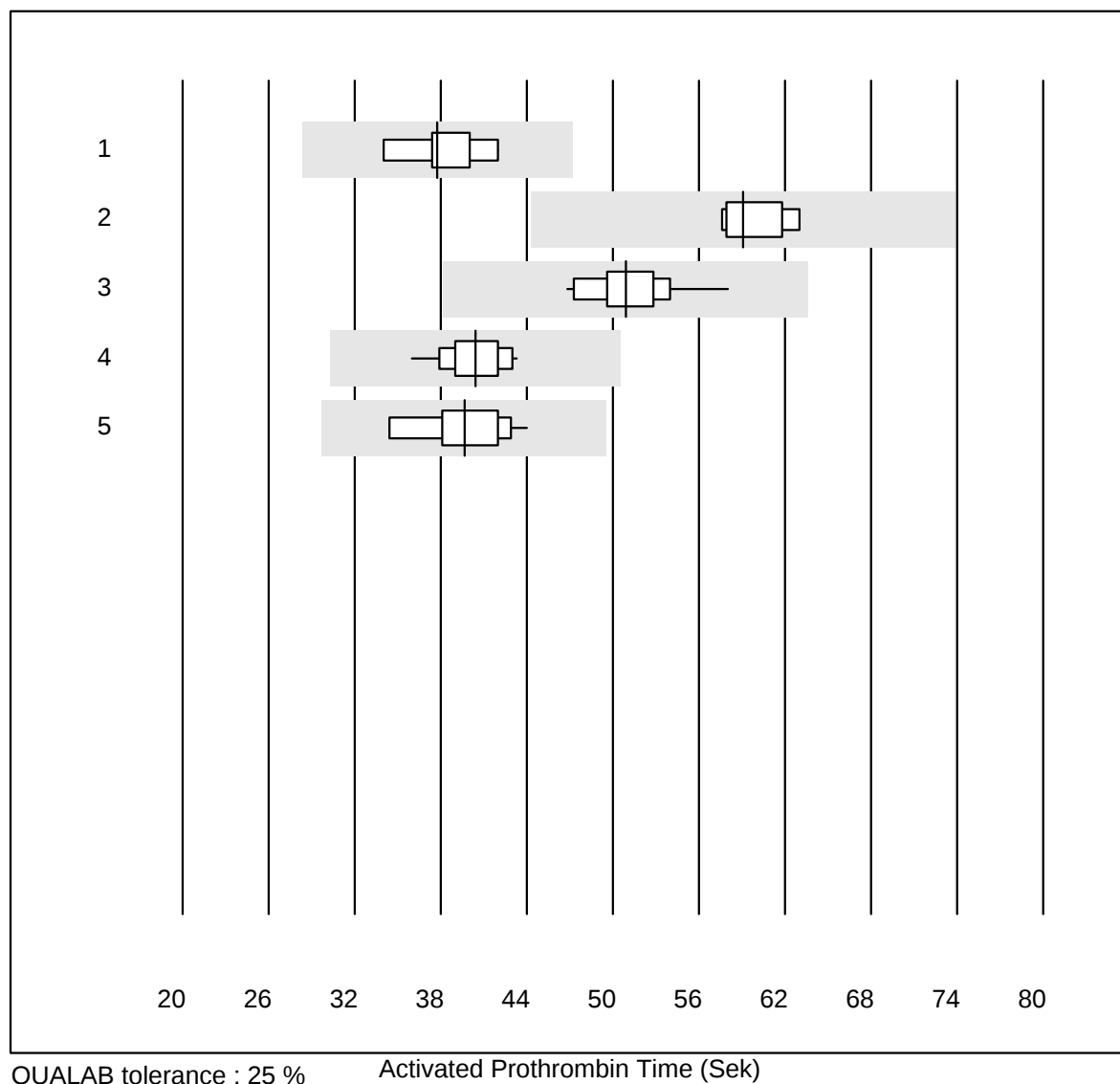
QUALAB tolerance : 15 %

Fibrinogen OA (g/l)

| No. | Methode           | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|-------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Siemens Thrombin  | 9     | 100.0 | 0.0       | 0.0       | 1.03   | 6.8 | e*   |
| 2   | Stago/STA         | 21    | 100.0 | 0.0       | 0.0       | 1.12   | 5.9 | e    |
| 3   | Fibrinogen Q.F.A. | 16    | 93.7  | 0.0       | 6.3       | 1.08   | 7.3 | e*   |

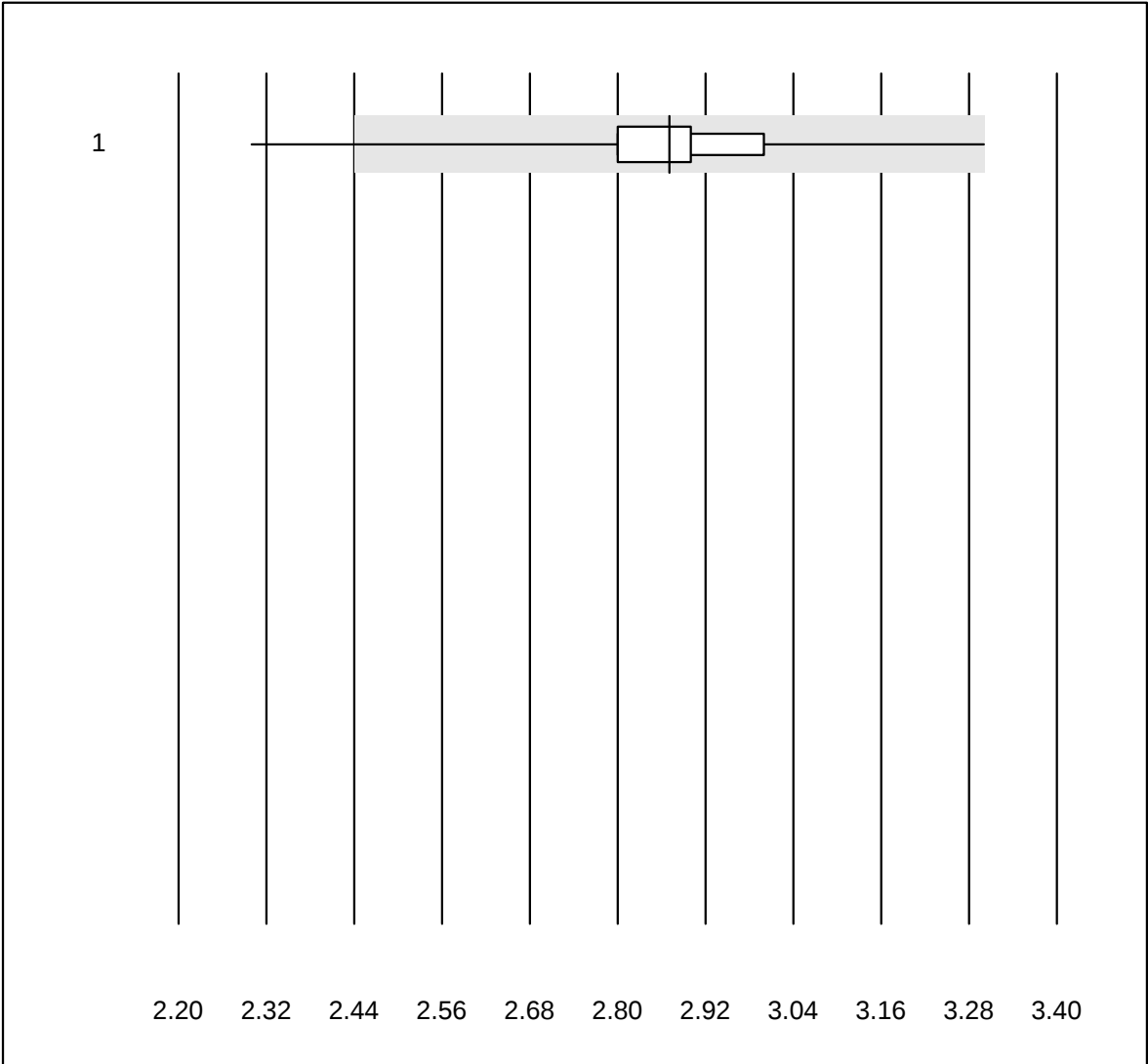
4 additional results were submitted but not published because the method groups were too small. (< results per group)

## Activated Prothrombin Time



| No. | Methode       | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|---------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Actin FS      | 6     | 100.0 | 0.0       | 0.0       | 37.8   | 7.1 | e    |
| 2   | Pathromtin SL | 7     | 100.0 | 0.0       | 0.0       | 59.1   | 3.5 | e    |
| 3   | Stago/STA     | 23    | 100.0 | 0.0       | 0.0       | 50.9   | 5.4 | e    |
| 4   | aPTT-SP       | 11    | 100.0 | 0.0       | 0.0       | 40.4   | 5.6 | e    |
| 5   | Other methods | 10    | 100.0 | 0.0       | 0.0       | 39.7   | 7.8 | e    |

INR CoaguChek

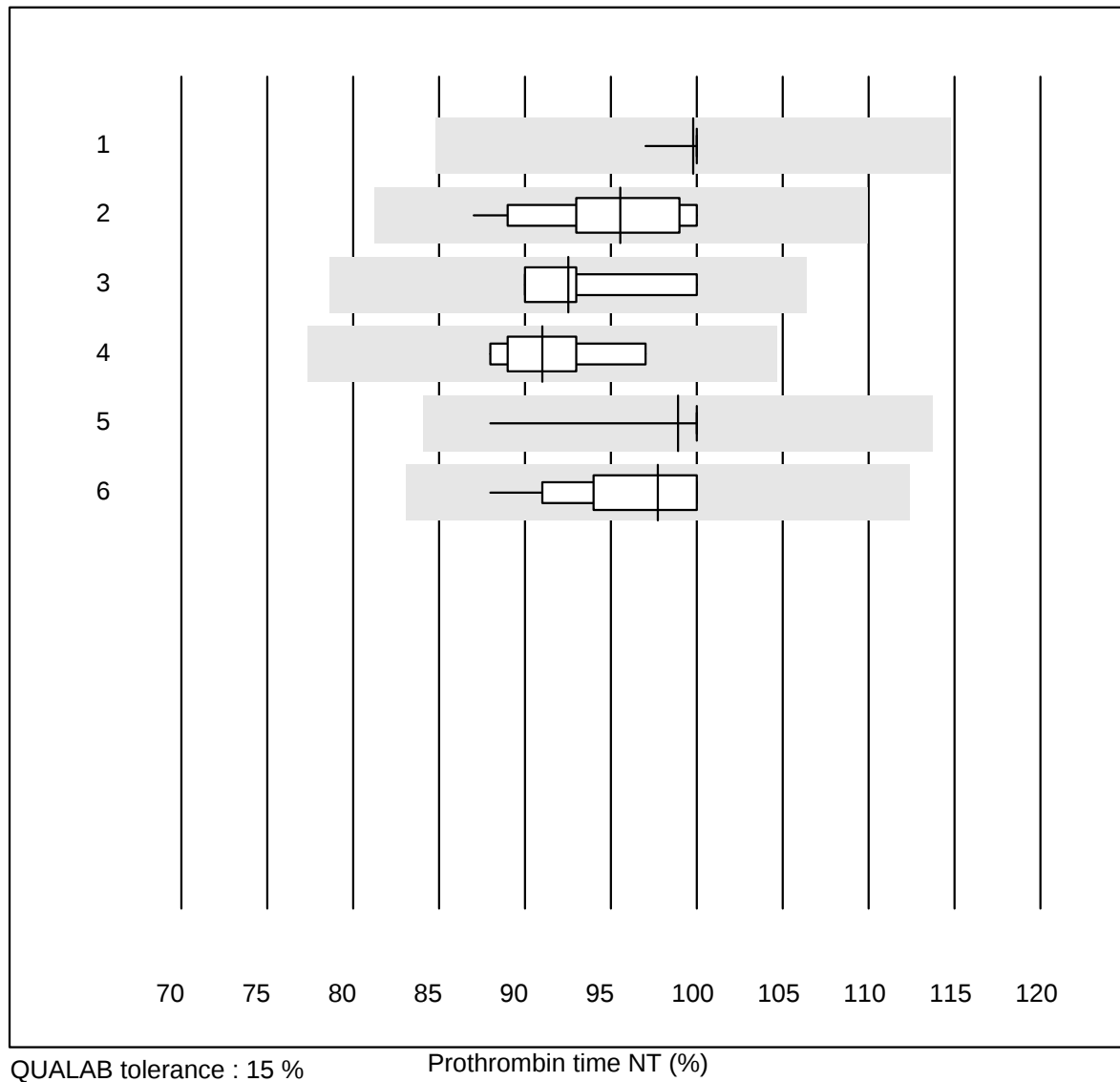


QUALAB tolerance : 15 %

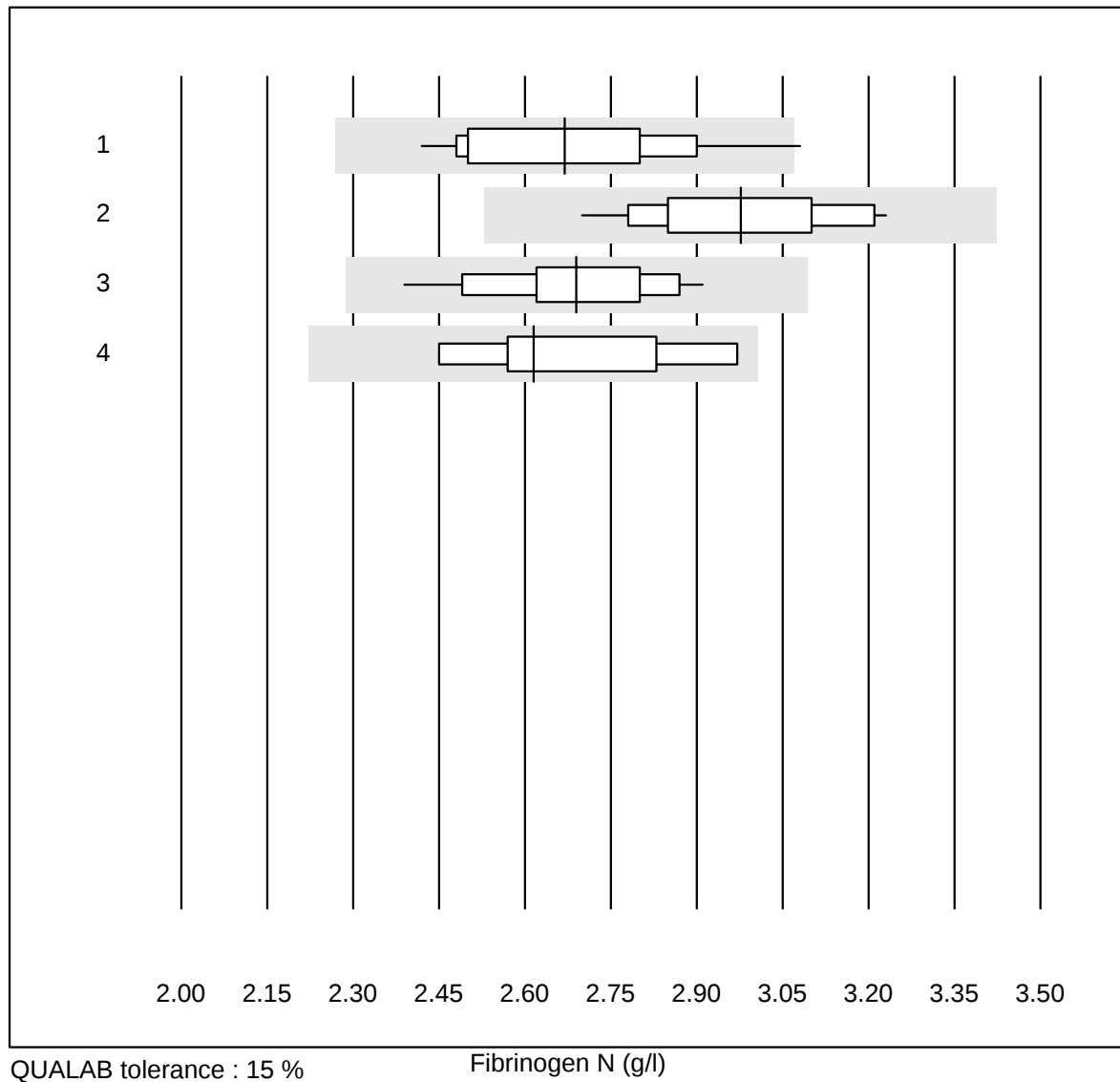
INR CoaguChek ()

| No.Methode |                  | Total | % OK | % insuff. | % outlier | Target | CV% | Type |
|------------|------------------|-------|------|-----------|-----------|--------|-----|------|
| 1          | CoaguChek Pro II | 910   | 98.4 | 0.9       | 0.7       | 2.9    | 4.1 | e    |

## Prothrombin time NT

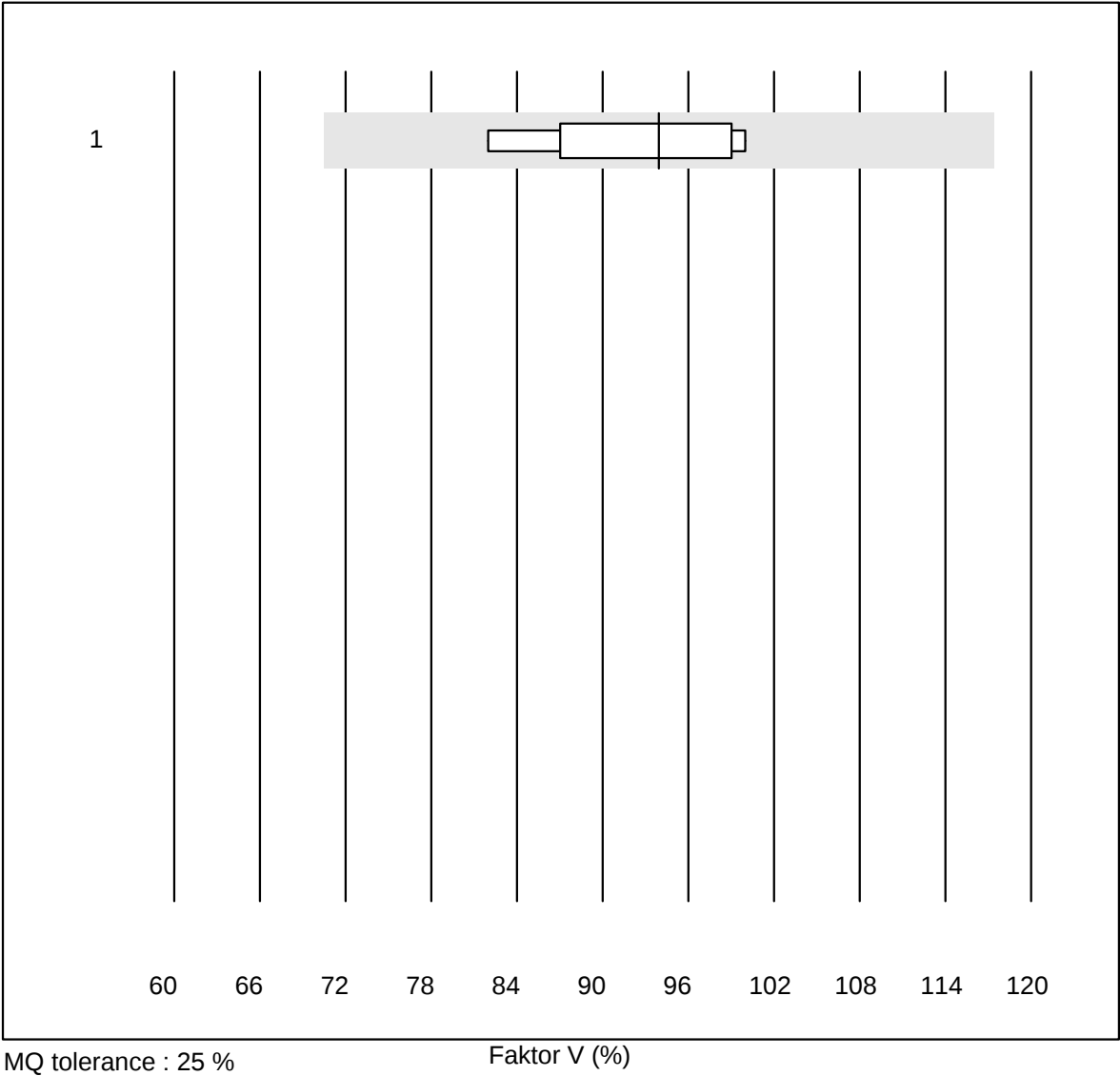


## Fibrinogen N



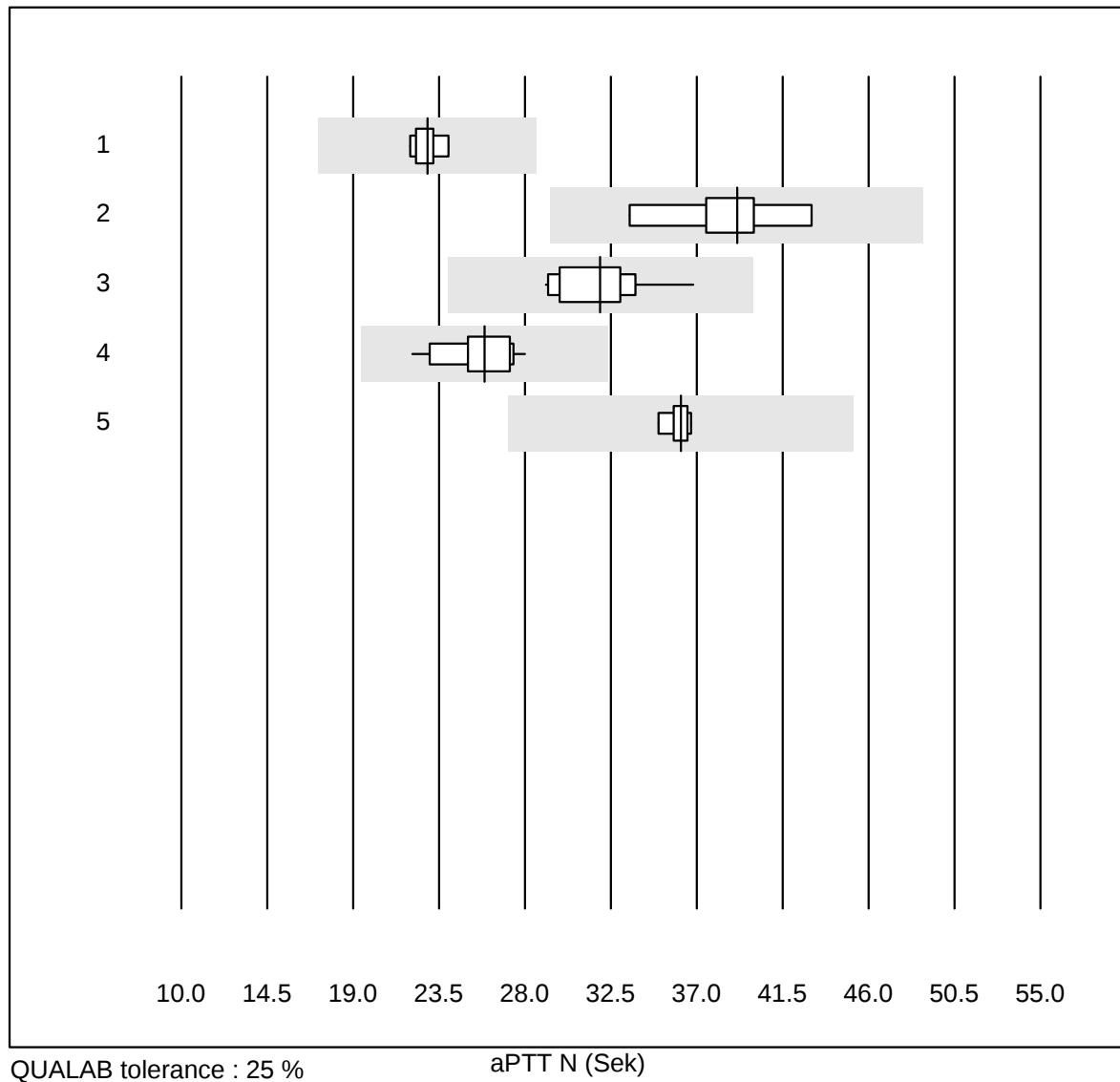
| No. | Methode           | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|-------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Siemens Thrombin  | 11    | 90.9  | 9.1       | 0.0       | 2.67   | 7.3 | e*   |
| 2   | Stago/STA         | 19    | 100.0 | 0.0       | 0.0       | 2.98   | 5.2 | e    |
| 3   | Fibrinogen Q.F.A. | 18    | 100.0 | 0.0       | 0.0       | 2.69   | 4.7 | e    |
| 4   | Fib Clauss (IL)   | 6     | 100.0 | 0.0       | 0.0       | 2.62   | 7.1 | e*   |

Faktor V



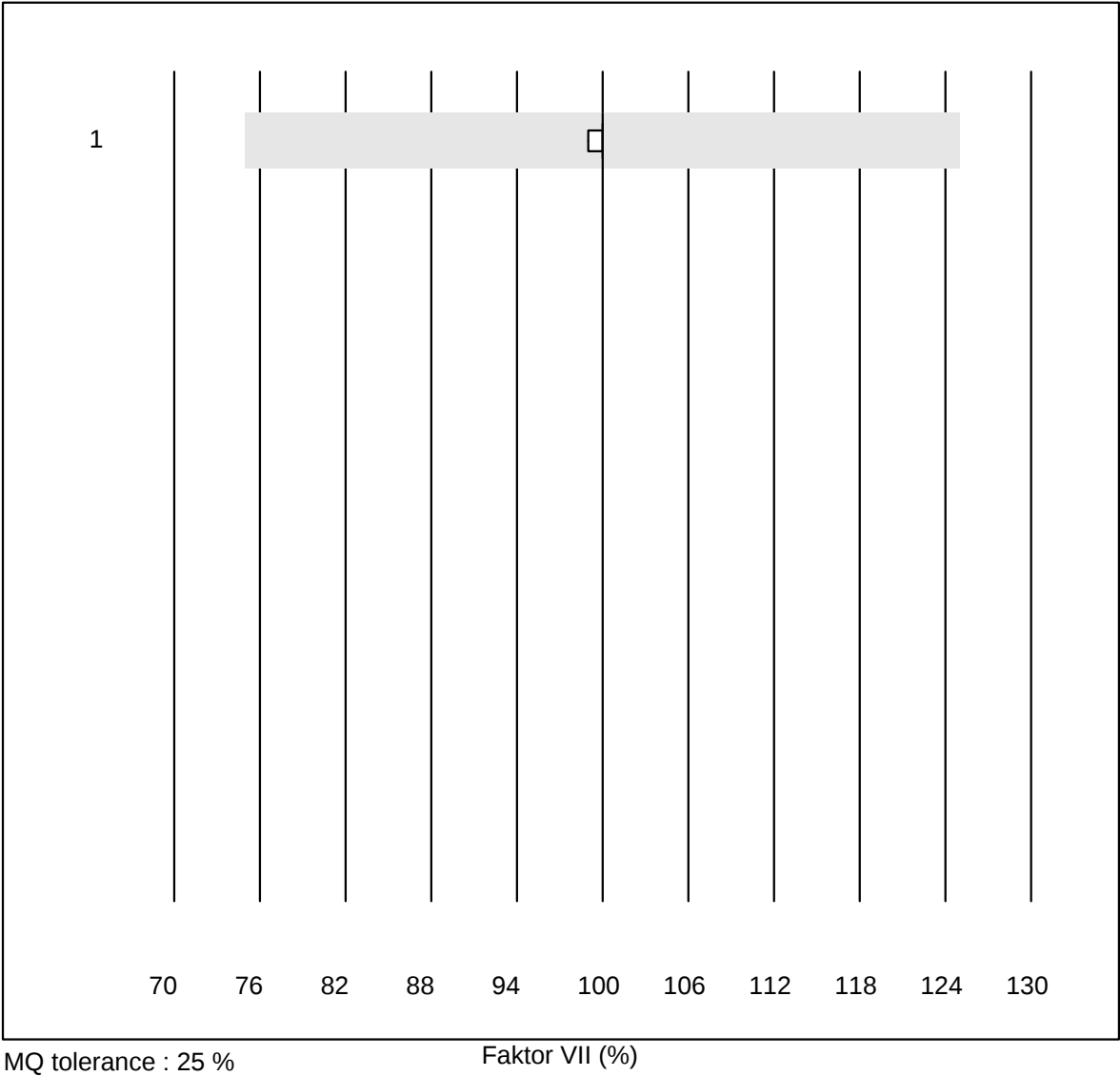
MQ tolerance : 25 %

| No.Methode |                  | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | all Participants | 8     | 100.0 | 0.0       | 0.0       | 94.0   | 7.3 | e    |

**aPTT N**

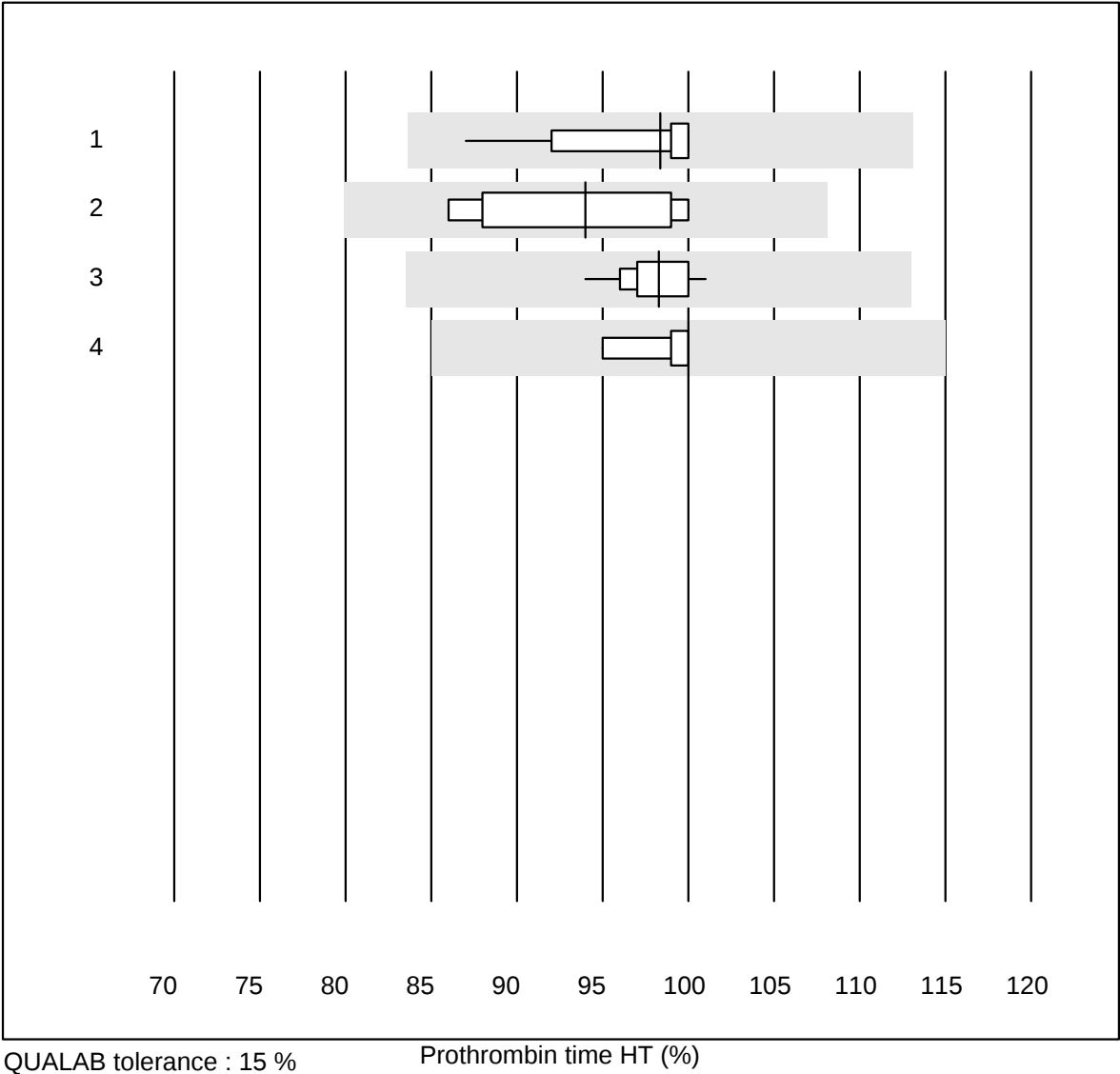
| No. | Methode       | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|---------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Actin FS      | 10    | 90.0  | 0.0       | 10.0      | 22.9   | 3.0 | e    |
| 2   | Pathromtin SL | 7     | 100.0 | 0.0       | 0.0       | 39.1   | 7.4 | e    |
| 3   | Stago/STA     | 20    | 100.0 | 0.0       | 0.0       | 32.0   | 6.9 | e    |
| 4   | aPTT-SP       | 13    | 100.0 | 0.0       | 0.0       | 25.9   | 7.2 | e    |
| 5   | Other methods | 6     | 100.0 | 0.0       | 0.0       | 36.2   | 1.7 | e    |

Faktor VII



| No. | Methode          | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | all Participants | 5     | 100.0 | 0.0       | 0.0       | 100.0  | 0.4 | e    |

Prothrombin time HT



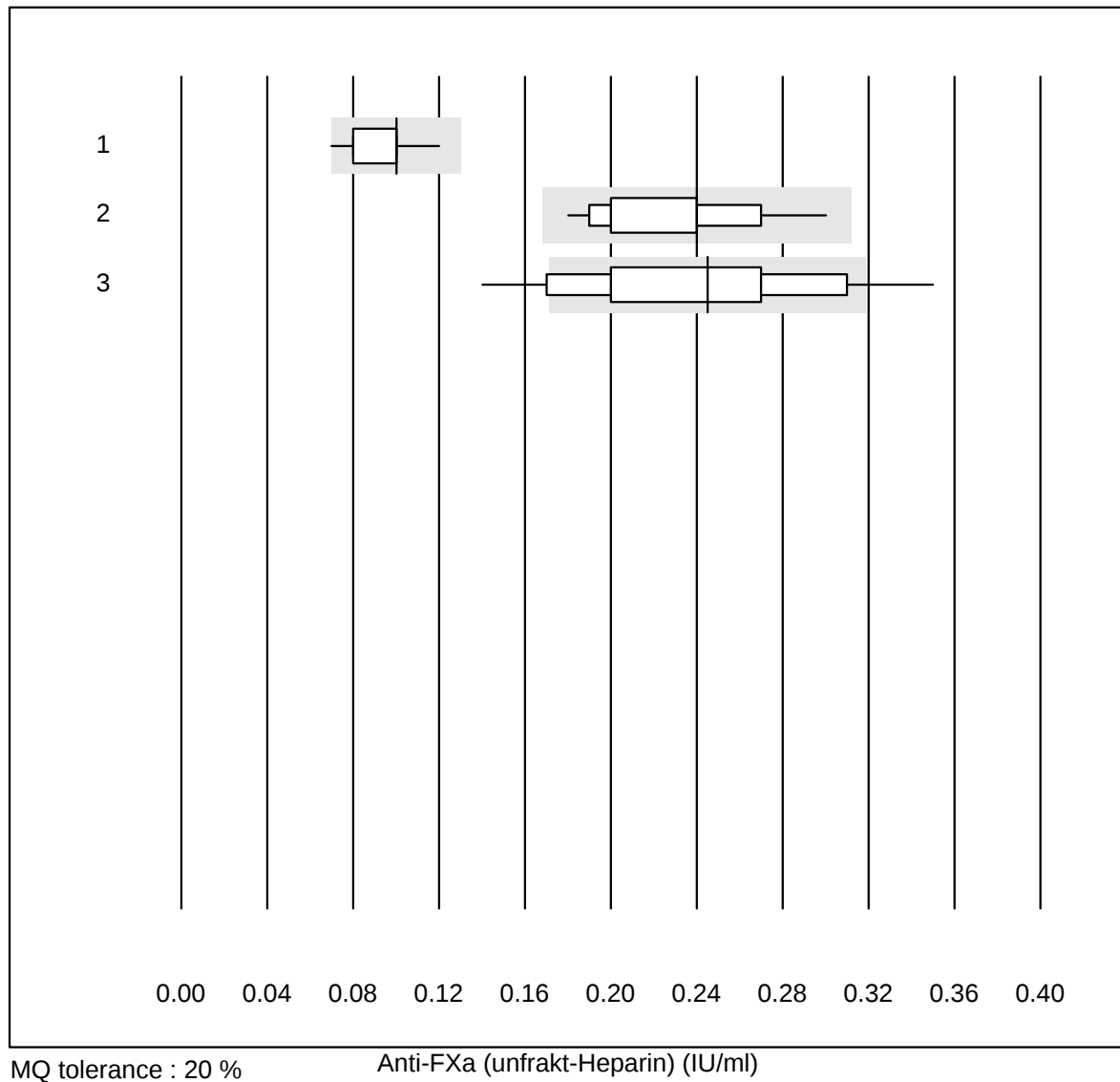
QUALAB tolerance : 15 %

Prothrombin time HT (%)

| No. | Methode           | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|-------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Innovin           | 14    | 100.0 | 0.0       | 0.0       | 98     | 4.0 | e    |
| 2   | Neoplastin R      | 14    | 100.0 | 0.0       | 0.0       | 94     | 5.6 | e    |
| 3   | Recombiplastin 2G | 14    | 100.0 | 0.0       | 0.0       | 98     | 2.1 | e    |
| 4   | Other methods     | 9     | 100.0 | 0.0       | 0.0       | 100    | 2.2 | e    |

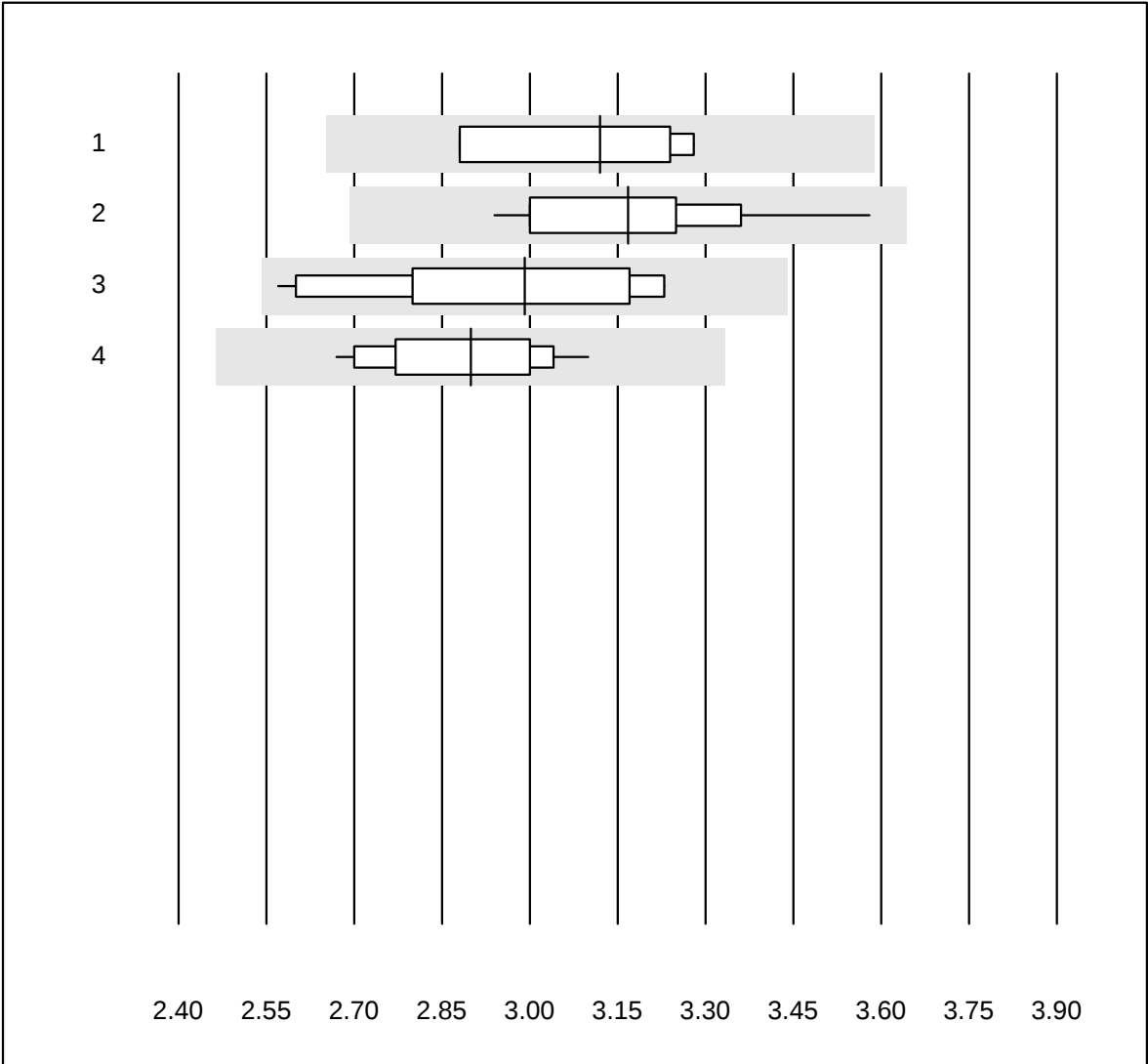
2 additional results were submitted but not published because the method groups were too small. (< results per group)

## Anti-FXa (unfrakt-Heparin)



| No. | Methode       | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----|---------------|-------|-------|-----------|-----------|--------|------|------|
| 1   | Stago/STA     | 12    | 83.4  | 8.3       | 8.3       | 0.10   | 14.5 | a    |
| 2   | ACL           | 21    | 100.0 | 0.0       | 0.0       | 0.24   | 13.6 | a    |
| 3   | Other methods | 20    | 80.0  | 15.0      | 5.0       | 0.25   | 20.5 | a    |

Fibrinogen H

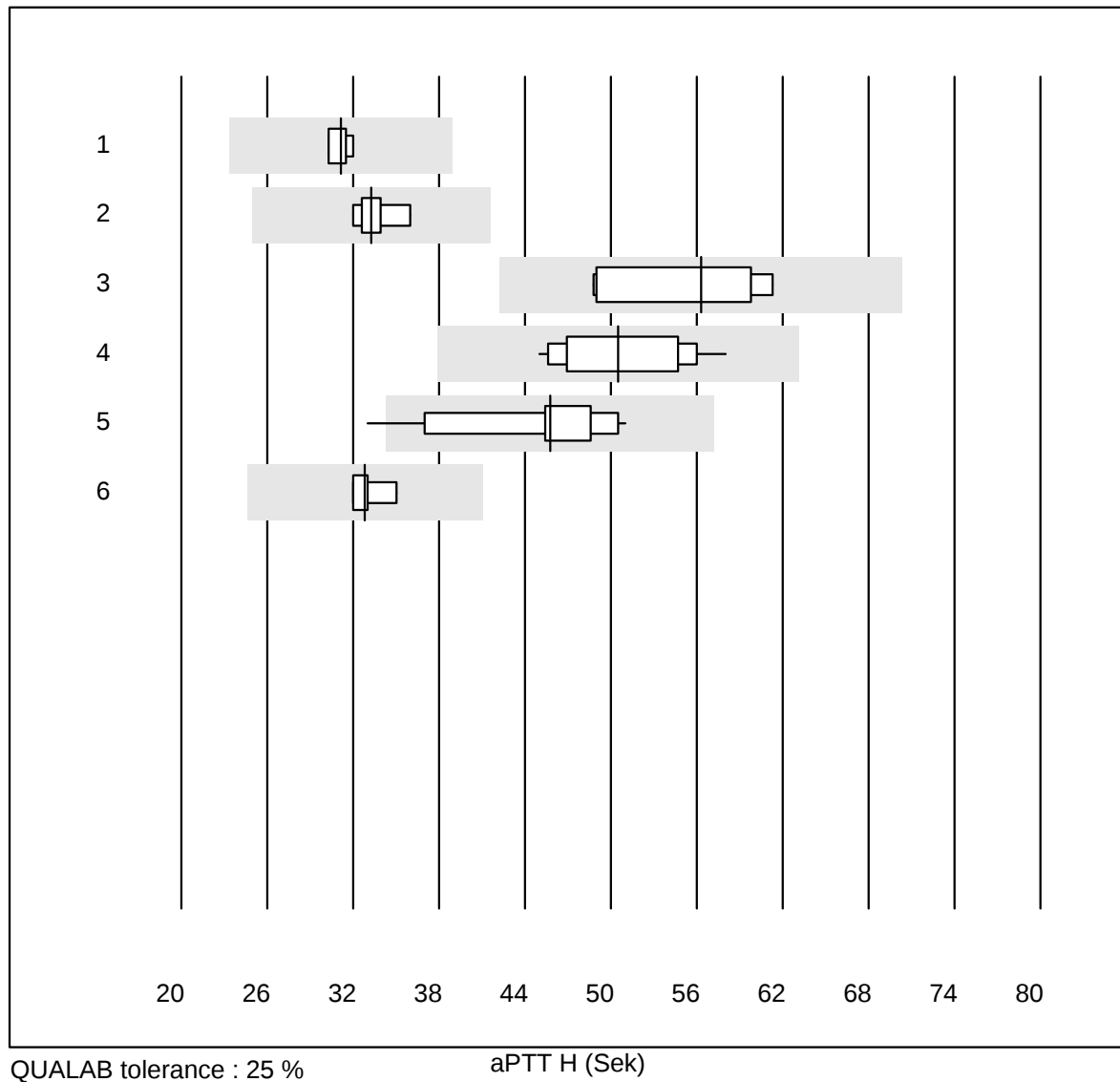


QUALAB tolerance : 15 %

Fibrinogen H (g/l)

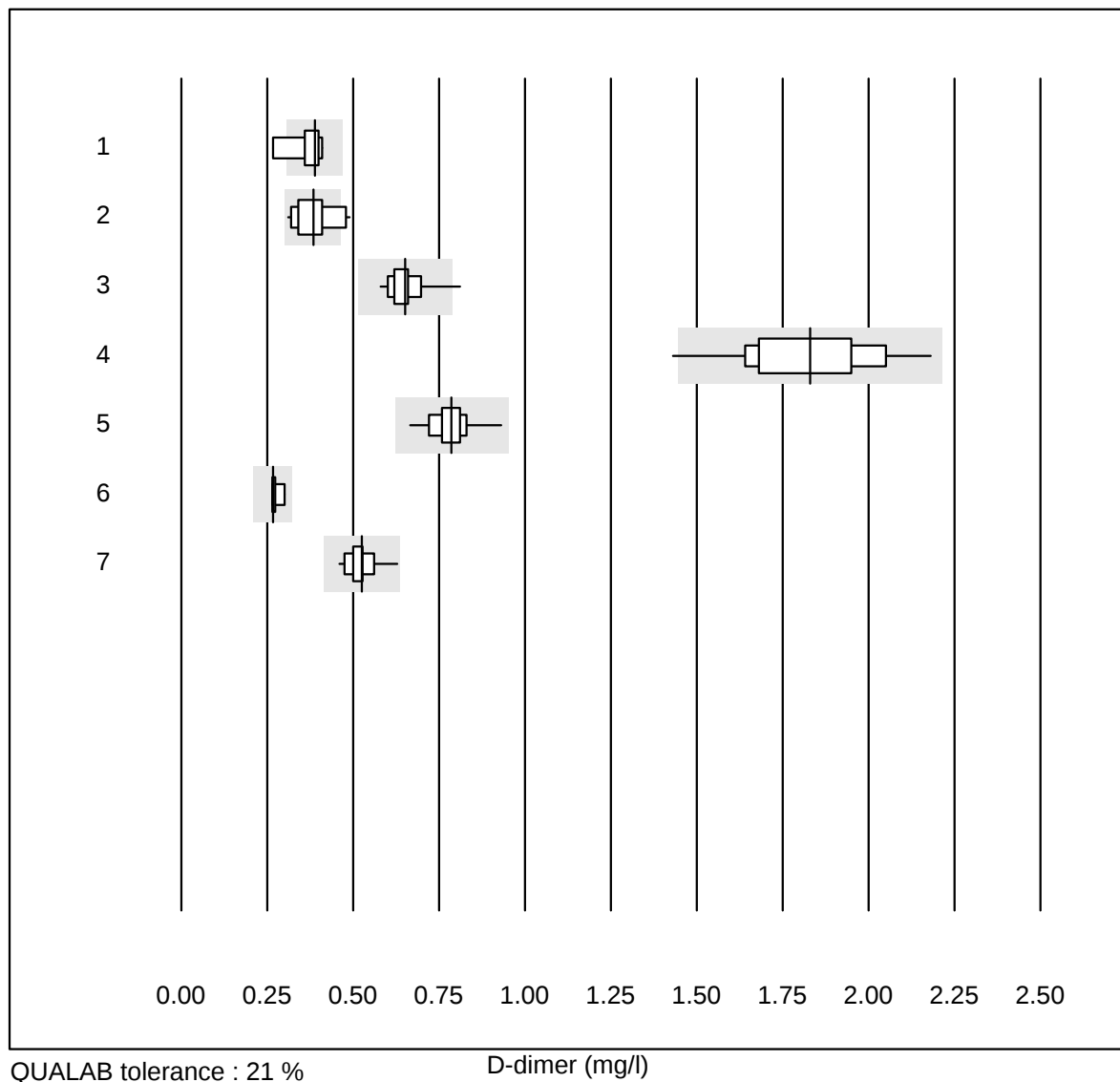
| No. | Methode           | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|-------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Siemens Thrombin  | 4     | 100.0 | 0.0       | 0.0       | 3.12   | 6.2 | e*   |
| 2   | Stago/STA         | 16    | 100.0 | 0.0       | 0.0       | 3.17   | 5.2 | e    |
| 3   | Fibrinogen Q.F.A. | 14    | 92.9  | 0.0       | 7.1       | 2.99   | 7.6 | e*   |
| 4   | Other methods     | 11    | 100.0 | 0.0       | 0.0       | 2.90   | 5.1 | e    |

3 additional results were submitted but not published because the method groups were too small. (< results per group)

**aPTT H**

| No. | Method        | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----|---------------|-------|-------|-----------|-----------|--------|------|------|
| 1   | Actin FS      | 4     | 100.0 | 0.0       | 0.0       | 31.2   | 2.4  | e    |
| 2   | Actin FSL     | 6     | 83.3  | 0.0       | 16.7      | 33.3   | 4.8  | e    |
| 3   | Pathromtin SL | 7     | 100.0 | 0.0       | 0.0       | 56.3   | 9.3  | e*   |
| 4   | Stago/STA     | 14    | 100.0 | 0.0       | 0.0       | 50.5   | 8.5  | e    |
| 5   | aPTT-SP       | 12    | 91.7  | 8.3       | 0.0       | 45.8   | 11.7 | e*   |
| 6   | Other methods | 4     | 100.0 | 0.0       | 0.0       | 32.8   | 3.9  | e    |

## D-dimer



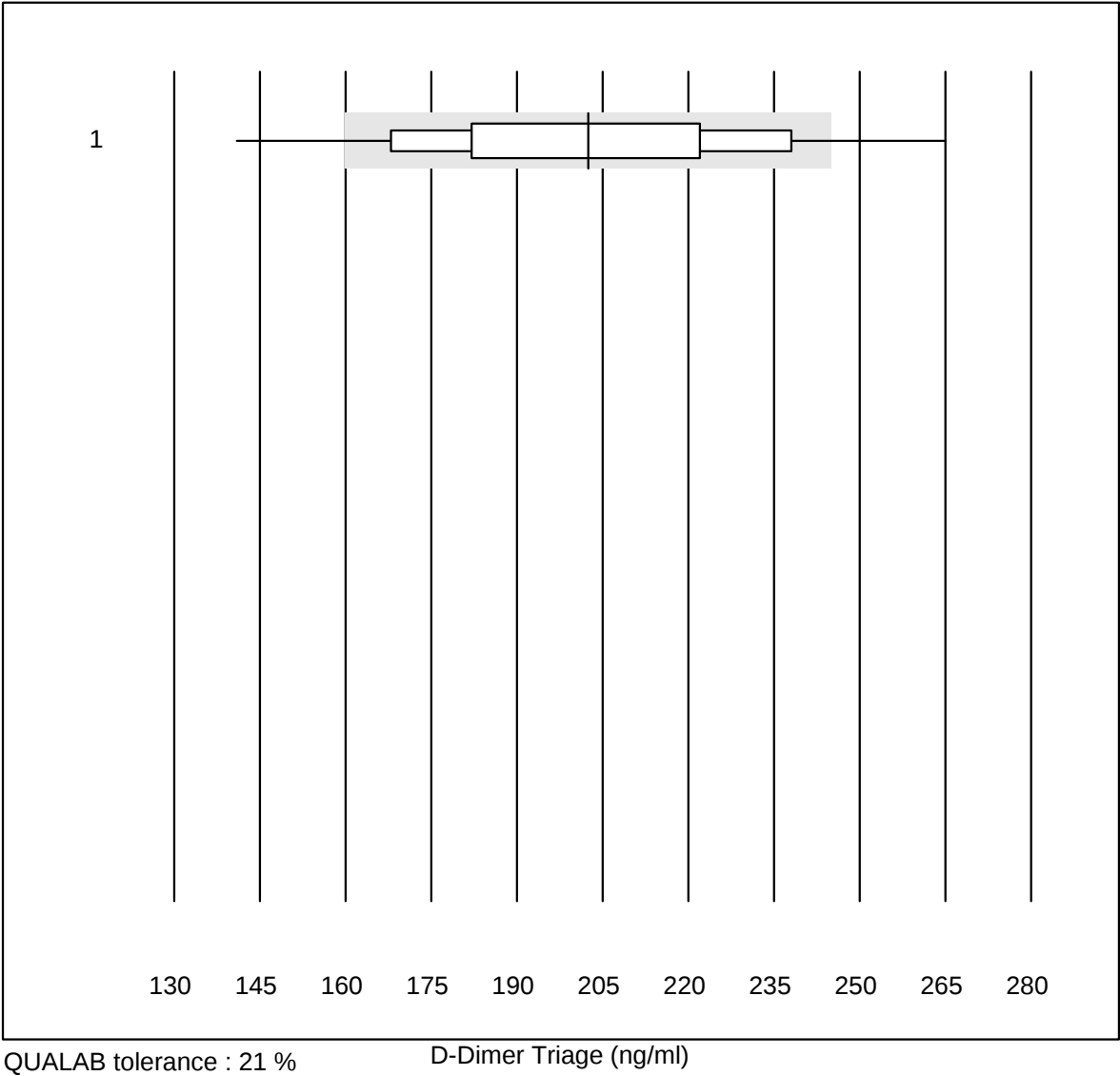
QUALAB tolerance : 21 %

D-dimer (mg/l)

| No. | Methode              | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----|----------------------|-------|-------|-----------|-----------|--------|------|------|
| 1   | Roche (Zitratplasma) | 9     | 88.9  | 11.1      | 0.0       | 0.39   | 11.9 | e*   |
| 2   | STA Liatest          | 17    | 88.2  | 11.8      | 0.0       | 0.38   | 13.7 | e*   |
| 3   | Siemens Innovance    | 13    | 92.3  | 7.7       | 0.0       | 0.65   | 8.8  | e    |
| 4   | Pathfast             | 22    | 95.5  | 4.5       | 0.0       | 1.83   | 10.0 | e    |
| 5   | ACL                  | 16    | 100.0 | 0.0       | 0.0       | 0.79   | 7.3  | e    |
| 6   | AQT 90 FLEX          | 5     | 100.0 | 0.0       | 0.0       | 0.27   | 5.5  | e    |
| 7   | VIDAS                | 16    | 100.0 | 0.0       | 0.0       | 0.53   | 7.7  | a    |

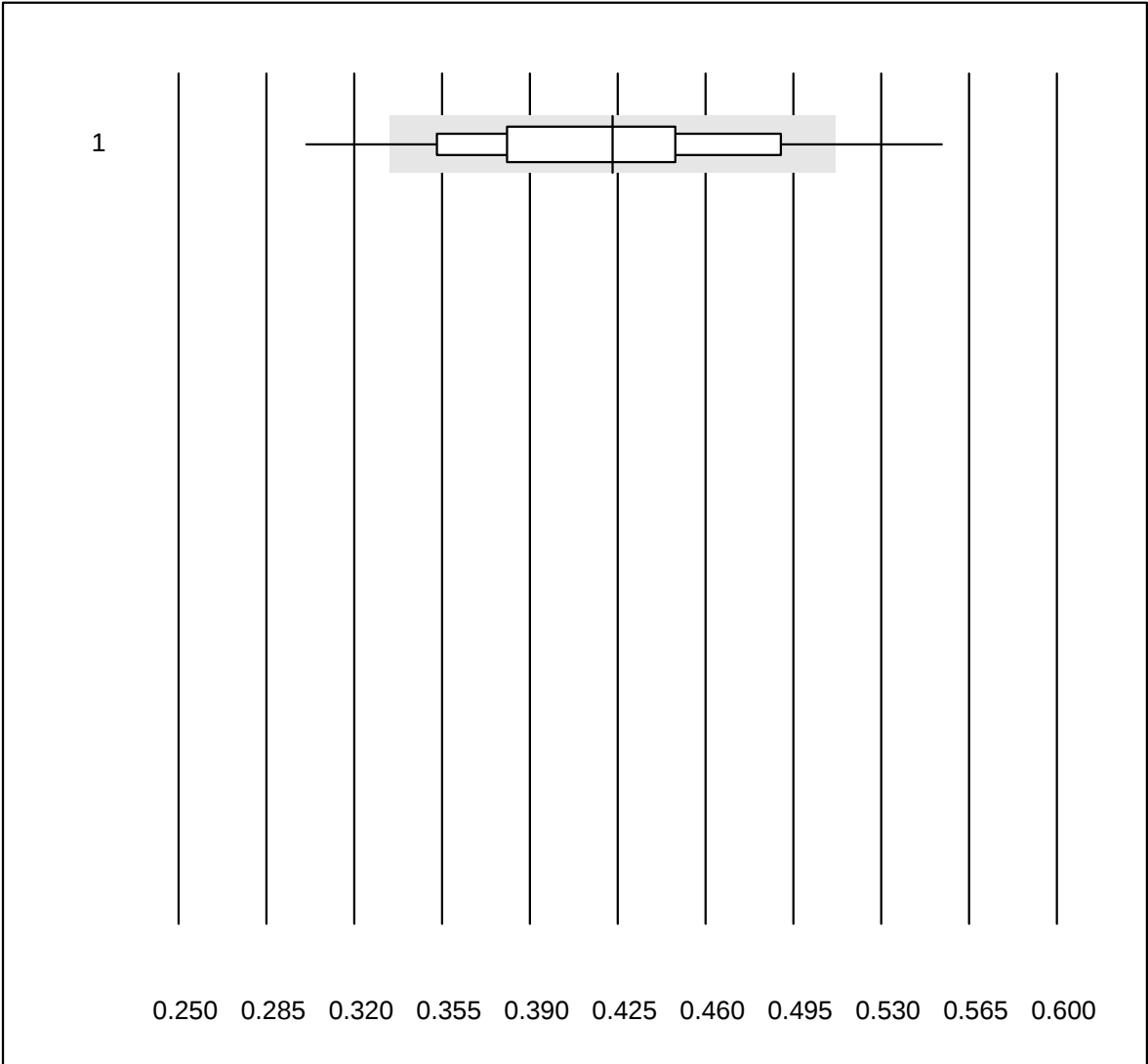
5 additional results were submitted but not published because the method groups were too small. (< results per group)

D-Dimer Triage



| No.Methode | Total | % OK | % insuff. | % outlier | Target | CV%  | Type |
|------------|-------|------|-----------|-----------|--------|------|------|
| 1 Triage   | 209   | 84.2 | 10.5      | 5.3       | 202.42 | 13.0 | e    |

D-dimer qn AFIAS

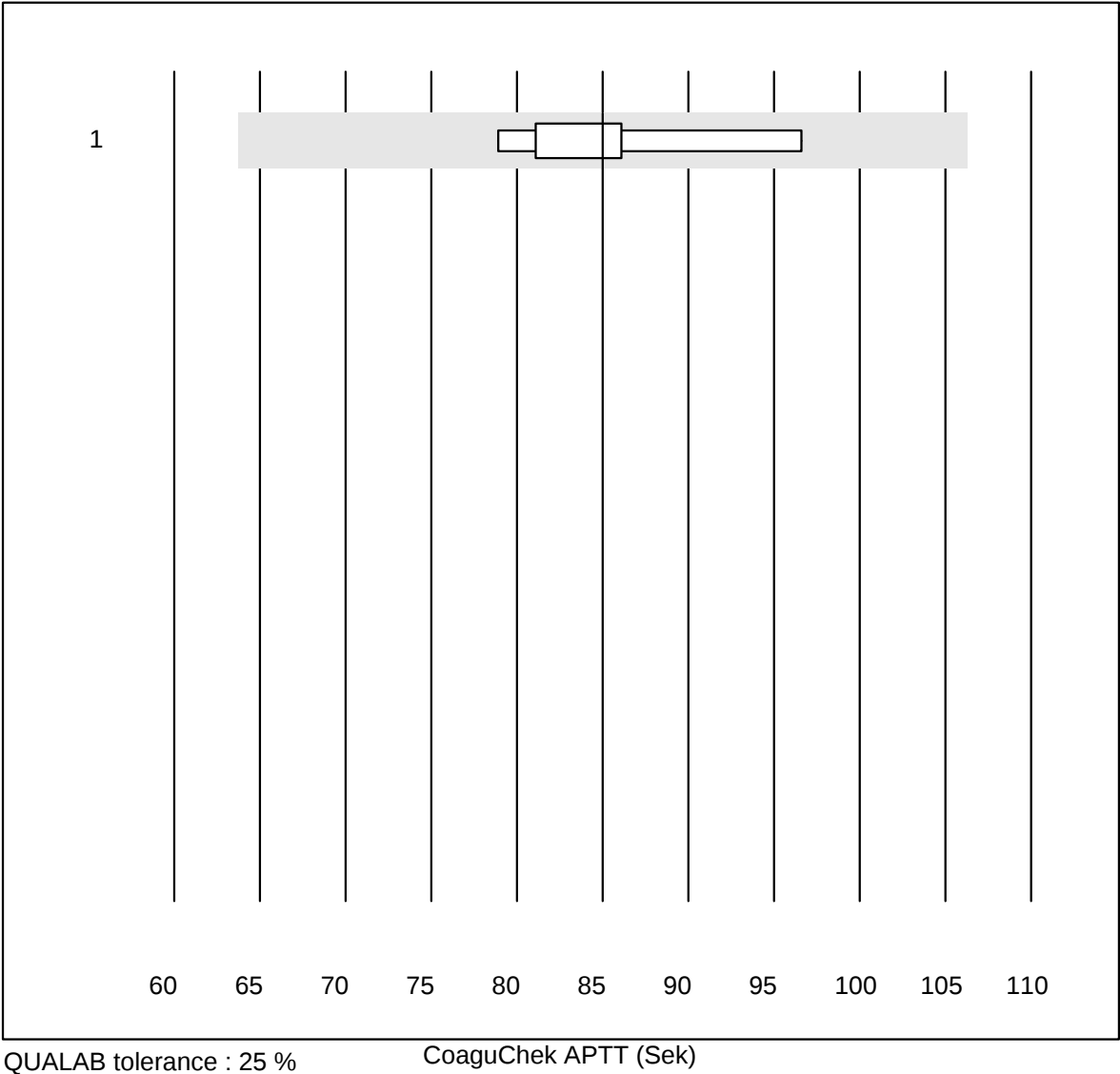


QUALAB tolerance : 21 %

D-dimer qn AFIAS (mg/l)

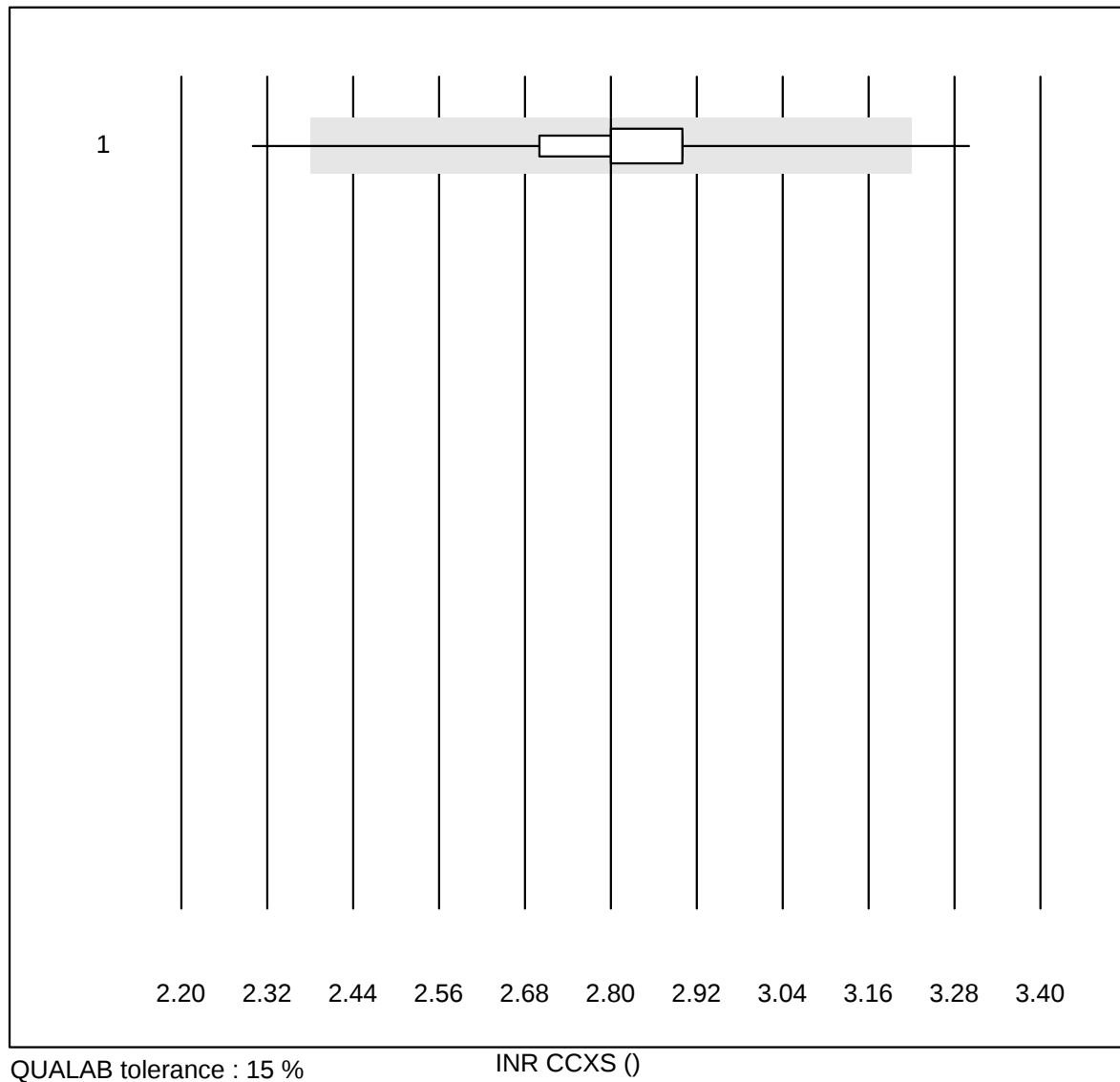
| No.Methode |       | Total | % OK | % insuff. | % outlier | Target | CV%  | Type |
|------------|-------|-------|------|-----------|-----------|--------|------|------|
| 1          | AFIAS | 487   | 80.1 | 8.2       | 11.7      | 0.42   | 12.5 | e    |

CoaguChek APTT



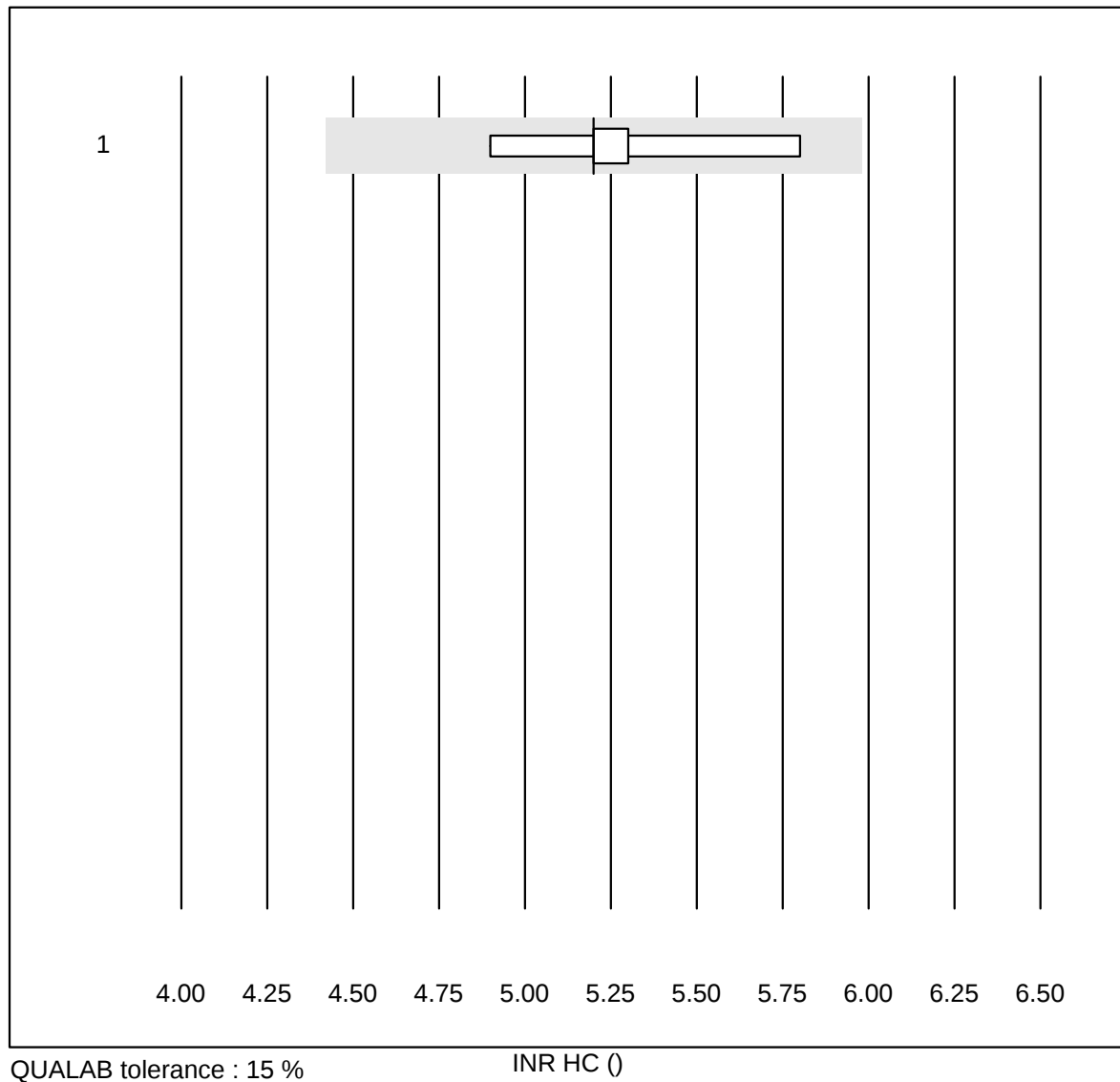
| No.Methode |                  | Total | % OK | % insuff. | % outlier | Target | CV% | Type |
|------------|------------------|-------|------|-----------|-----------|--------|-----|------|
| 1          | CoaguChek Pro II | 7     | 85.7 | 0.0       | 14.3      | 85.0   | 7.2 | e    |

## INR CCXS



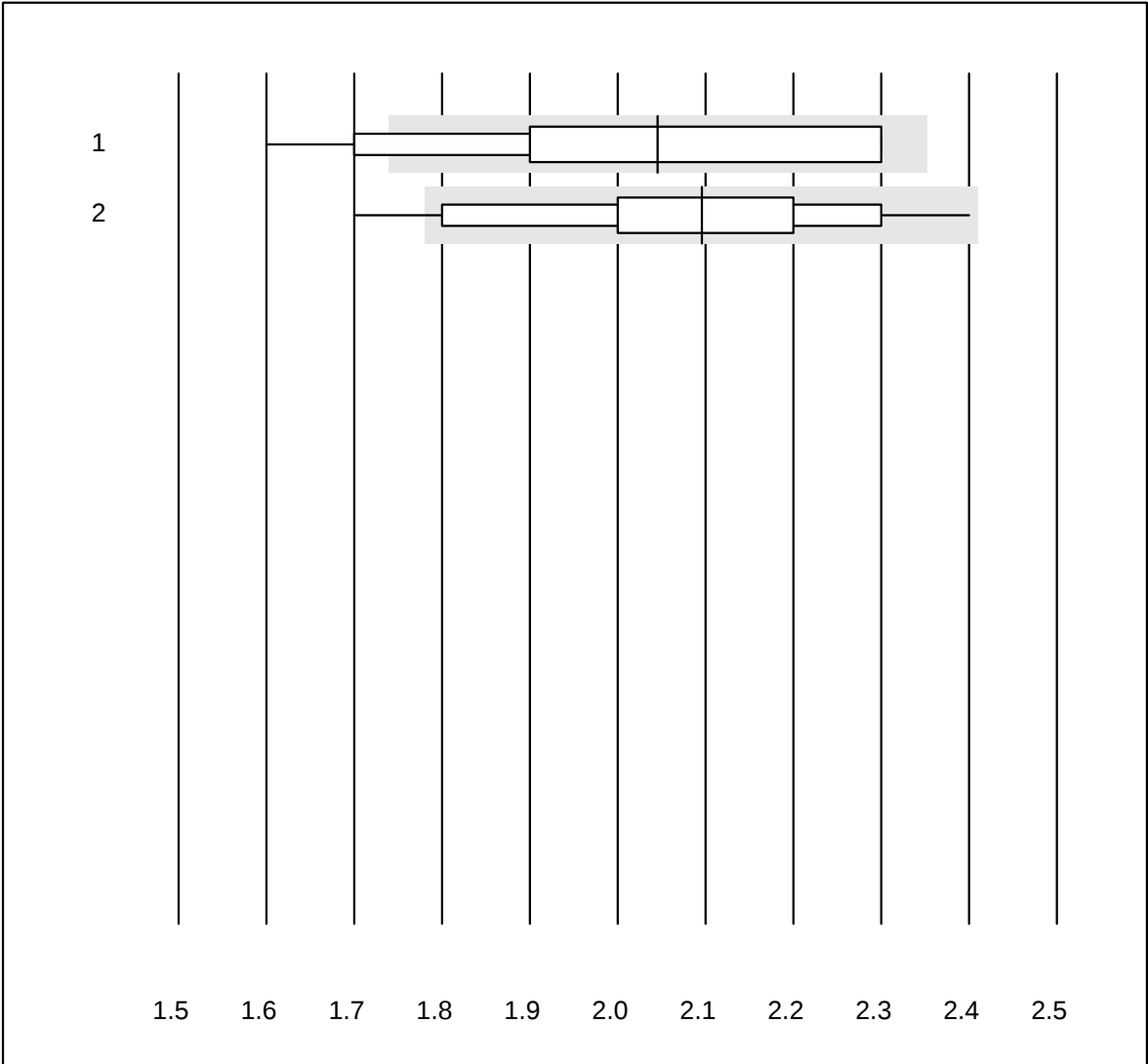
| No. | Methode      | Total | % OK | % insuff. | % outlier | Target | CV% | Type |
|-----|--------------|-------|------|-----------|-----------|--------|-----|------|
| 1   | CoaguChek XS | 1318  | 99.2 | 0.3       | 0.5       | 2.8    | 3.7 | e    |

## INR HC



| No.Methode     | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|----------------|-------|-------|-----------|-----------|--------|-----|------|
| 1 Hemochron j. | 5     | 100.0 | 0.0       | 0.0       | 5.2    | 6.2 | e*   |

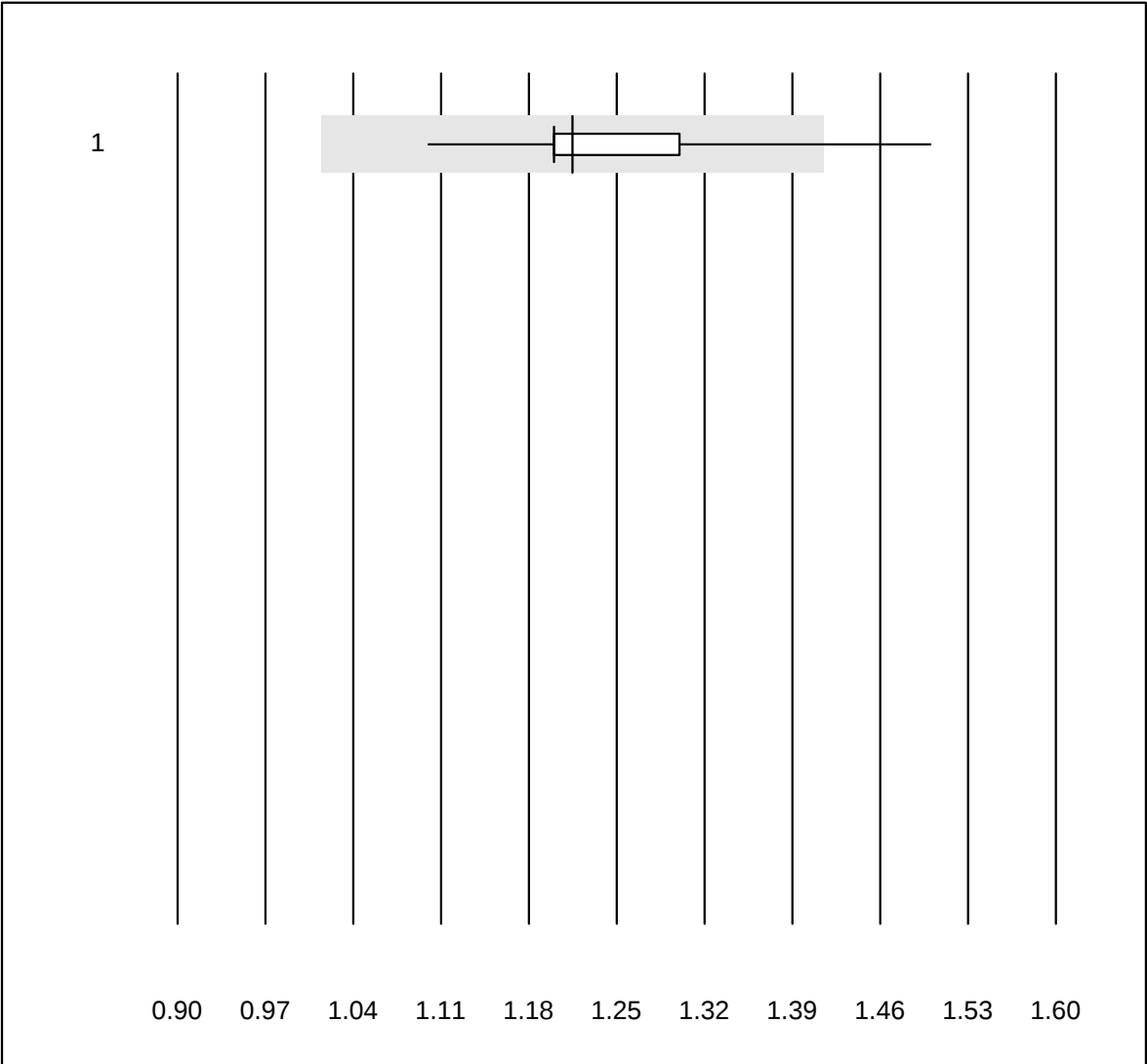
INR MI



QUALAB tolerance : 15 %

| No.Methode |                 | Total | % OK | % insuff. | % outlier | Target | CV%  | Type |
|------------|-----------------|-------|------|-----------|-----------|--------|------|------|
| 1          | microINR Expert | 15    | 60.0 | 13.3      | 26.7      | 2.0    | 11.6 | e*   |
| 2          | MicroINR        | 114   | 81.6 | 4.4       | 14.0      | 2.1    | 8.4  | e    |

INR Xprecia

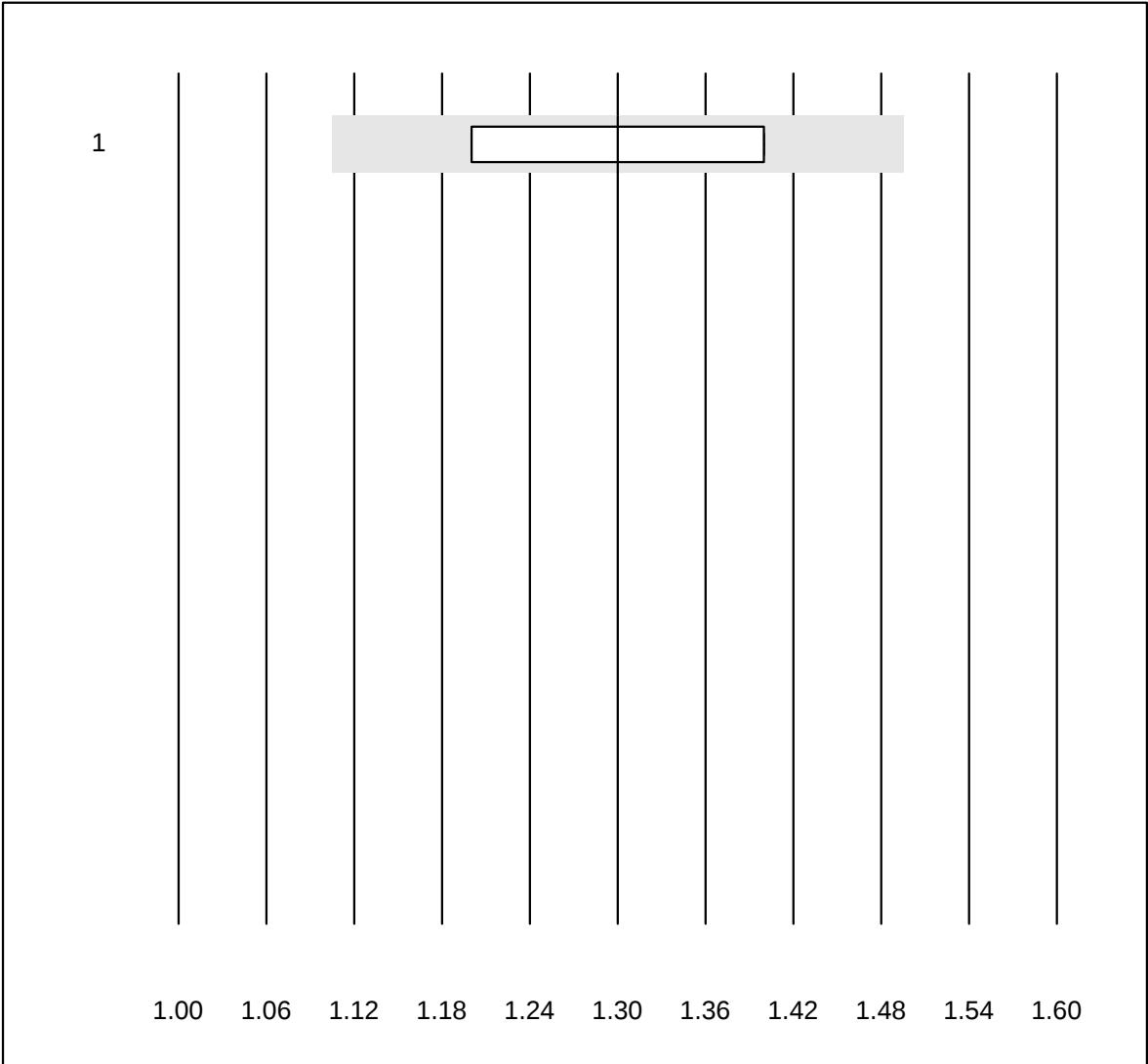


QUALAB tolerance : 15 %  
( < 1.3: +/- 0.2 )

INR Xprecia ()

| No.Methode |         | Total | % OK | % insuff. | % outlier | Target | CV% | Type |
|------------|---------|-------|------|-----------|-----------|--------|-----|------|
| 1          | Xprecia | 41    | 97.6 | 2.4       | 0.0       | 1.2    | 6.3 | e    |

INR Lumira Dx

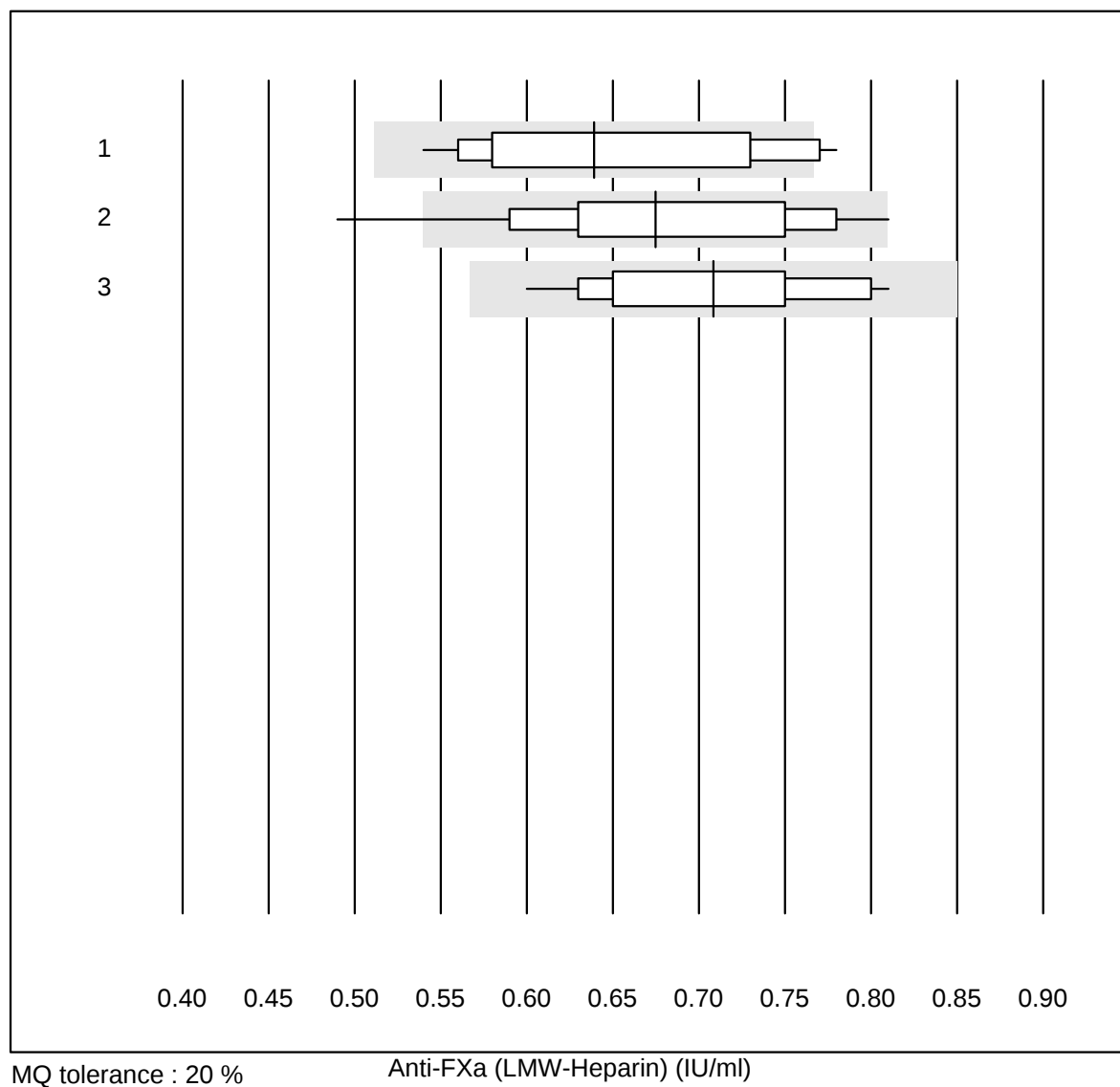


QUALAB tolerance : 15 %

INR Lumira Dx ()

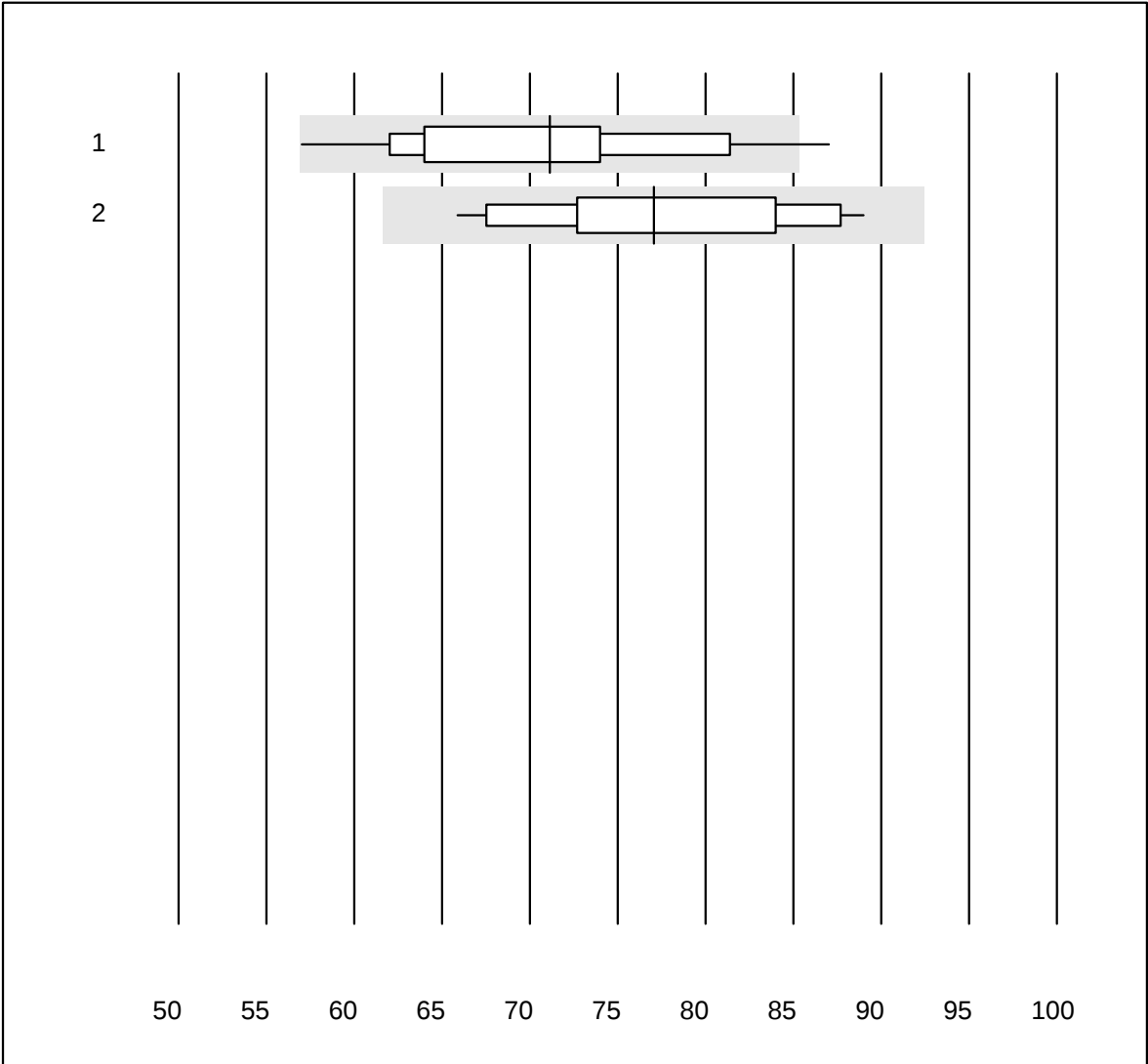
| No.Methode  | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-------------|-------|-------|-----------|-----------|--------|-----|------|
| 1 Lumira Dx | 7     | 100.0 | 0.0       | 0.0       | 1.3    | 7.0 | e*   |

## Anti-FXa (LMW-Heparin)



| No. | Methode       | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----|---------------|-------|-------|-----------|-----------|--------|------|------|
| 1   | Stago/STA     | 13    | 84.6  | 15.4      | 0.0       | 0.64   | 13.7 | e*   |
| 2   | ACL           | 23    | 87.0  | 13.0      | 0.0       | 0.67   | 13.0 | e*   |
| 3   | Other methods | 12    | 100.0 | 0.0       | 0.0       | 0.71   | 9.5  | e*   |

Anti-FXa (Rivaroxaban)



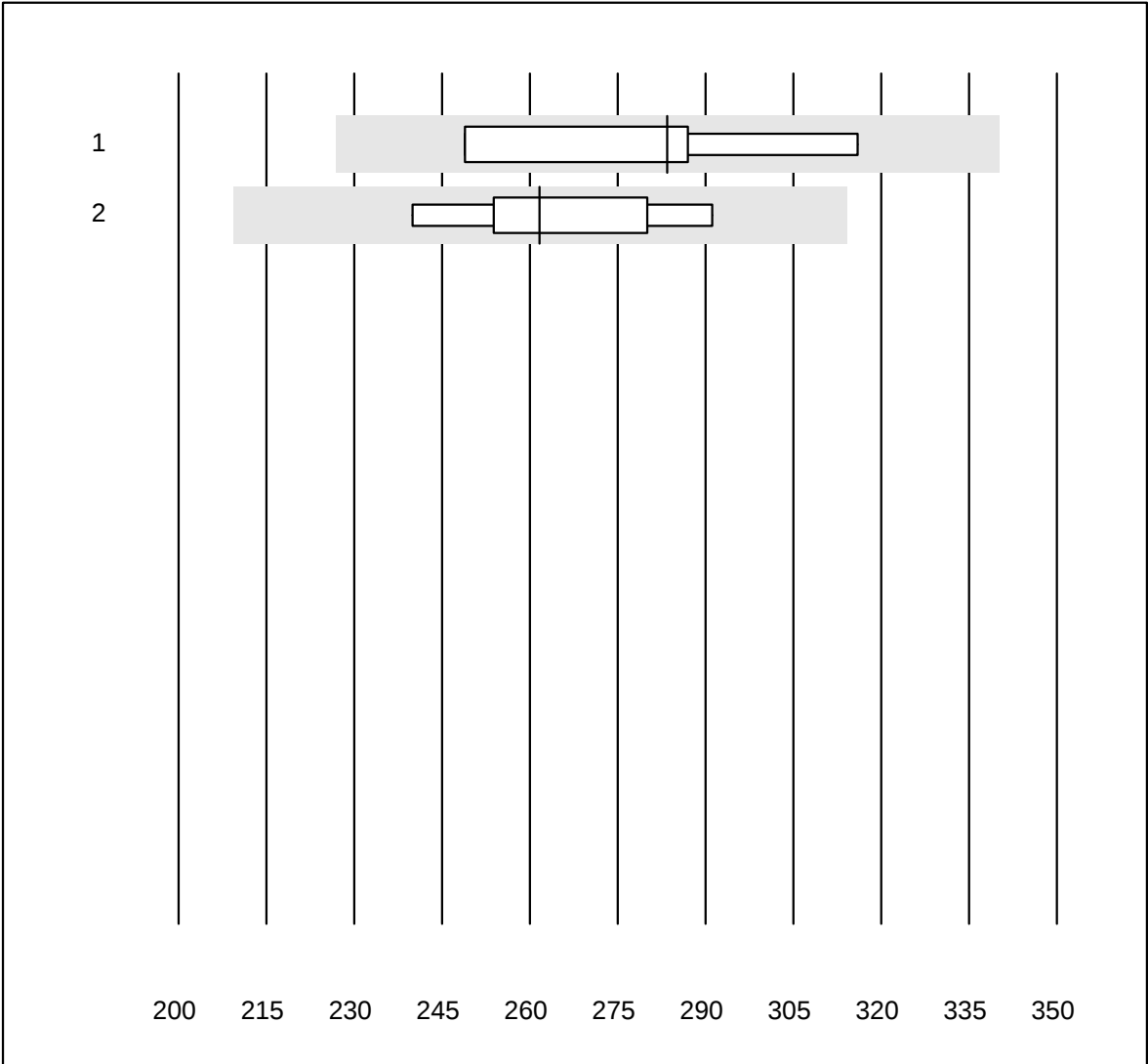
MQ tolerance : 20 %

Anti-FXa (Rivaroxaban) (µg/l)

| No.Methode |           | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------|-----------|-------|-------|-----------|-----------|--------|------|------|
| 1          | Stago/STA | 12    | 91.7  | 8.3       | 0.0       | 71.12  | 11.6 | e*   |
| 2          | ACL       | 11    | 100.0 | 0.0       | 0.0       | 77.05  | 9.6  | e*   |

One result was submitted but not published because the method group was too small. (< 4 results per group)

Anti-FXa (Apixaban)



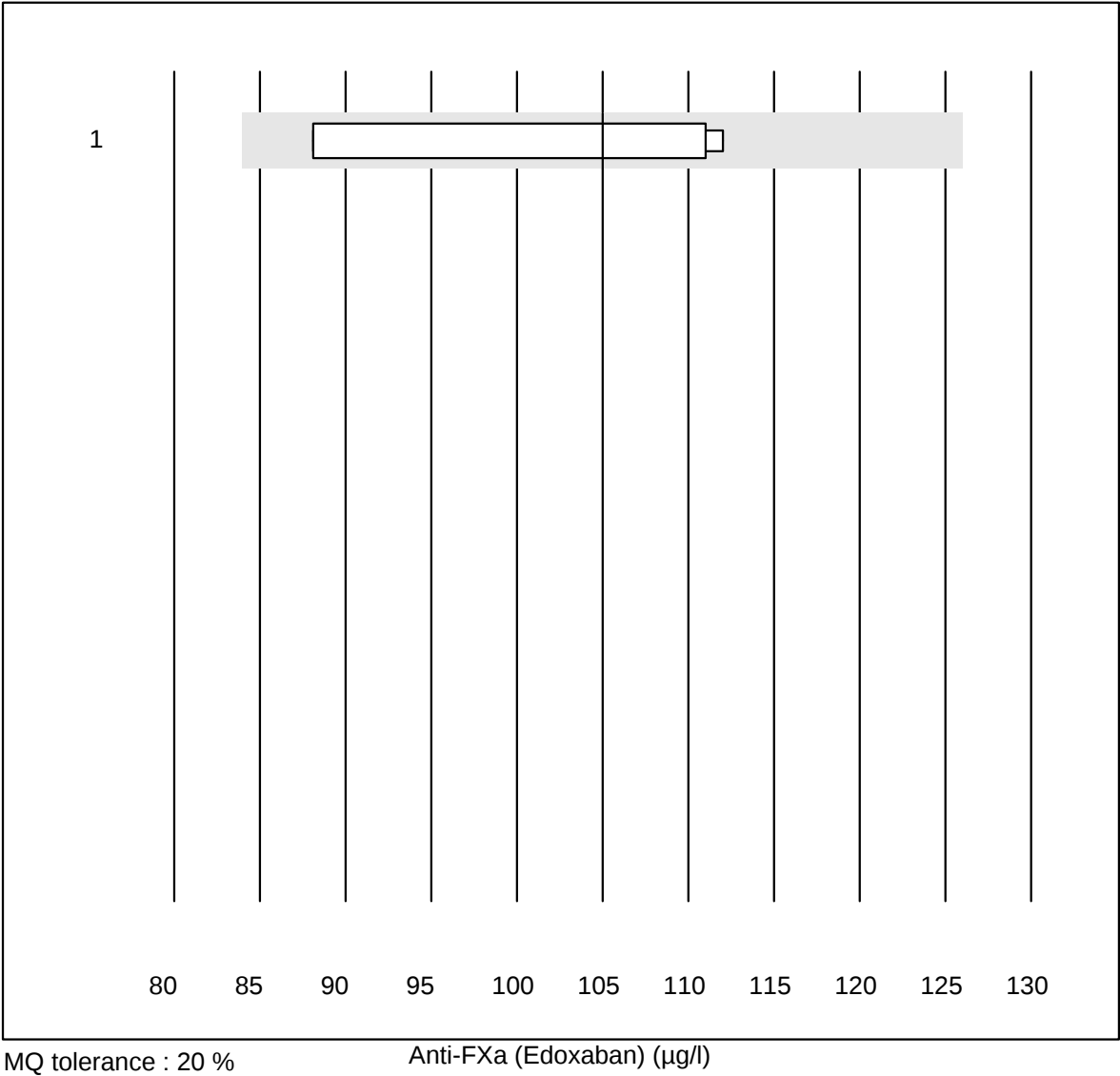
MQ tolerance : 20 %

Anti-FXa (Apixaban) (µg/l)

| No.Methode |           | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|-----------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Stago/STA | 8     | 100.0 | 0.0       | 0.0       | 283.50 | 8.5 | e*   |
| 2          | ACL       | 5     | 100.0 | 0.0       | 0.0       | 261.70 | 7.7 | e*   |

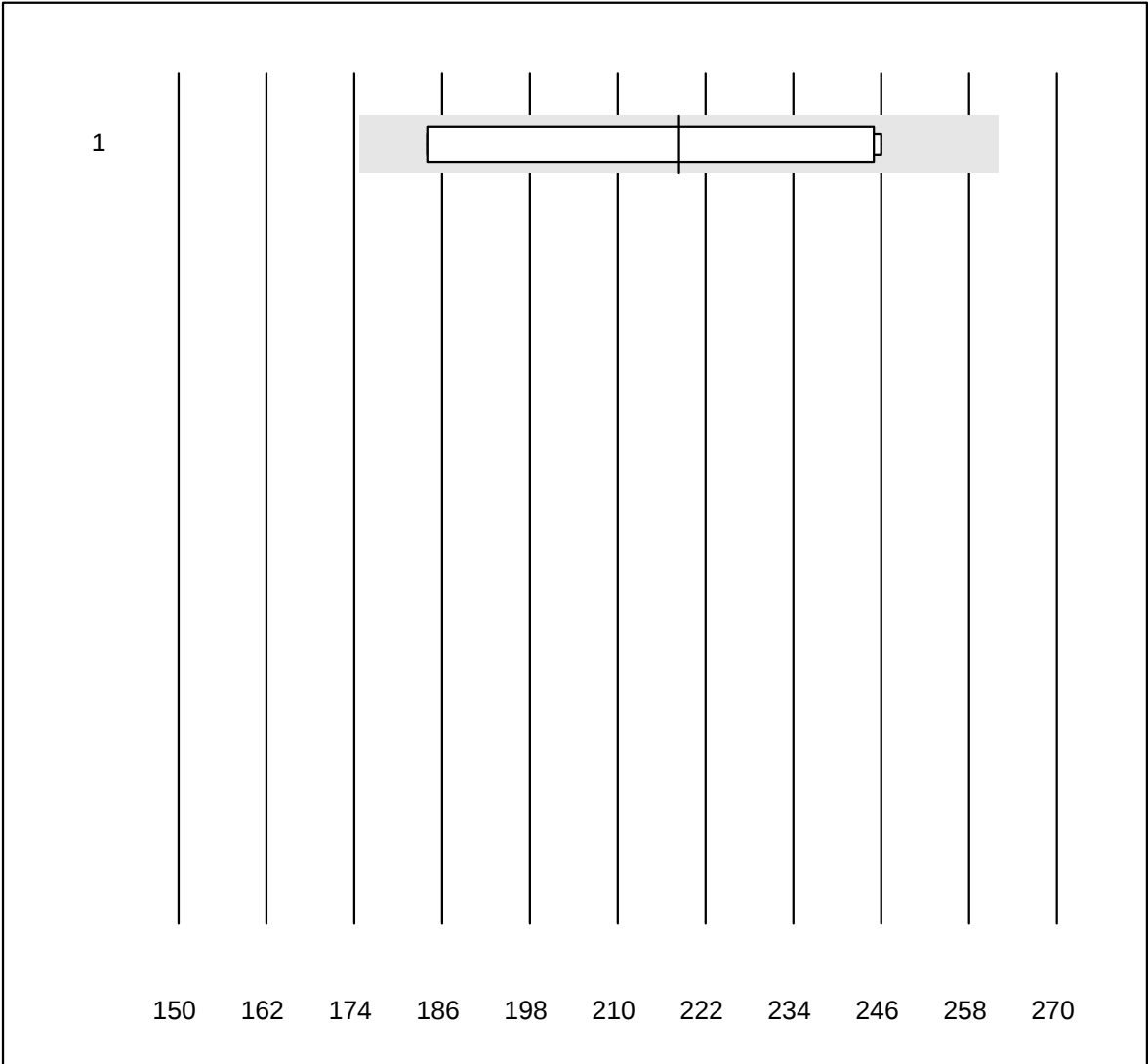
2 additional results were submitted but not published because the method groups were too small. (< results per group)

Anti-FXa (Edoxaban)



| No. | Methode          | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----|------------------|-------|-------|-----------|-----------|--------|------|------|
| 1   | all Participants | 5     | 100.0 | 0.0       | 0.0       | 105.00 | 11.8 | e*   |

Anti-FIIa (Dabigatran)

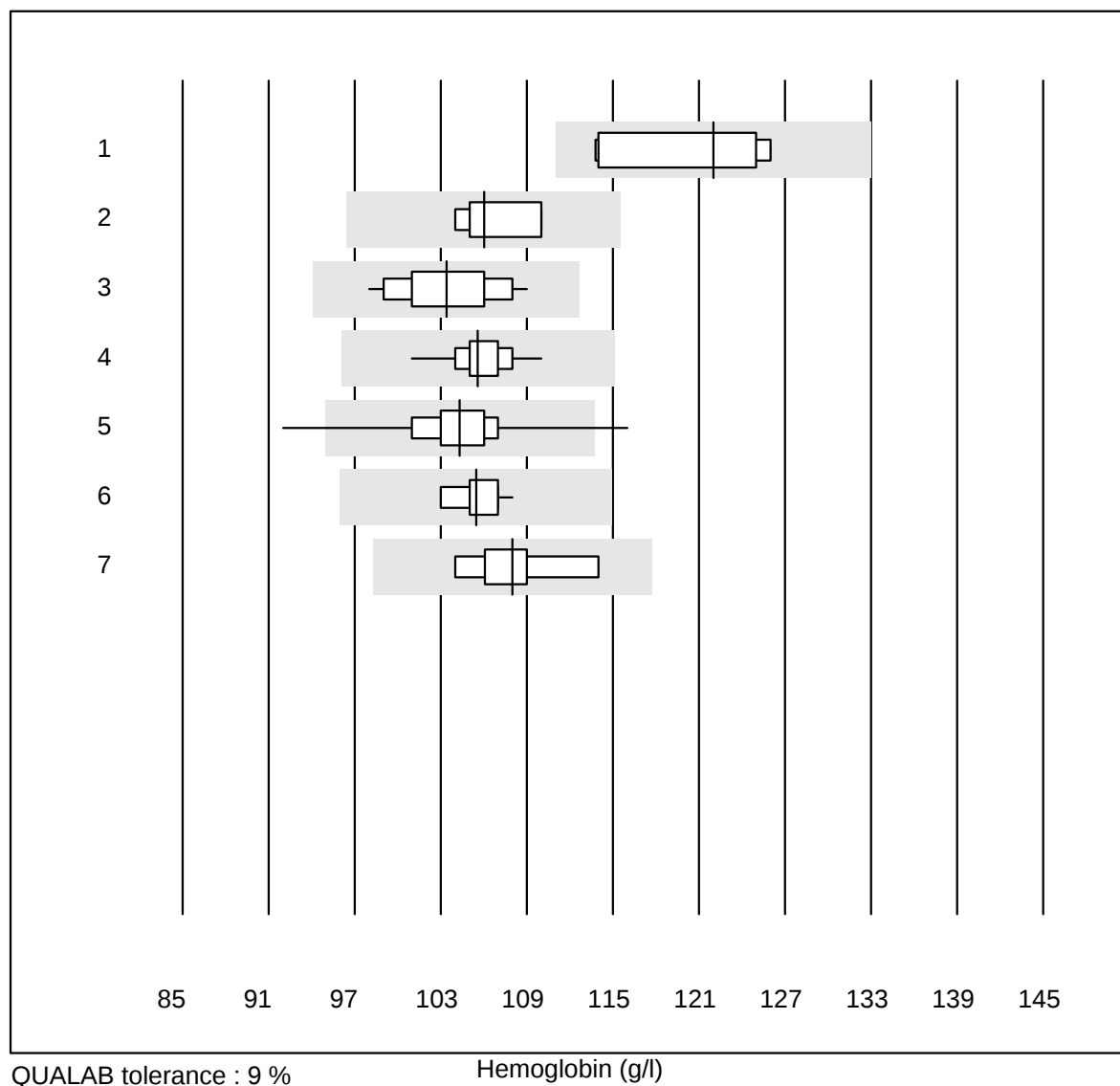


MQ tolerance : 20 %

Anti-FIIa (Dabigatran) (µg/l)

| No.Methode |                  | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------|------------------|-------|-------|-----------|-----------|--------|------|------|
| 1          | all Participants | 4     | 100.0 | 0.0       | 0.0       | 218.40 | 15.4 | e*   |

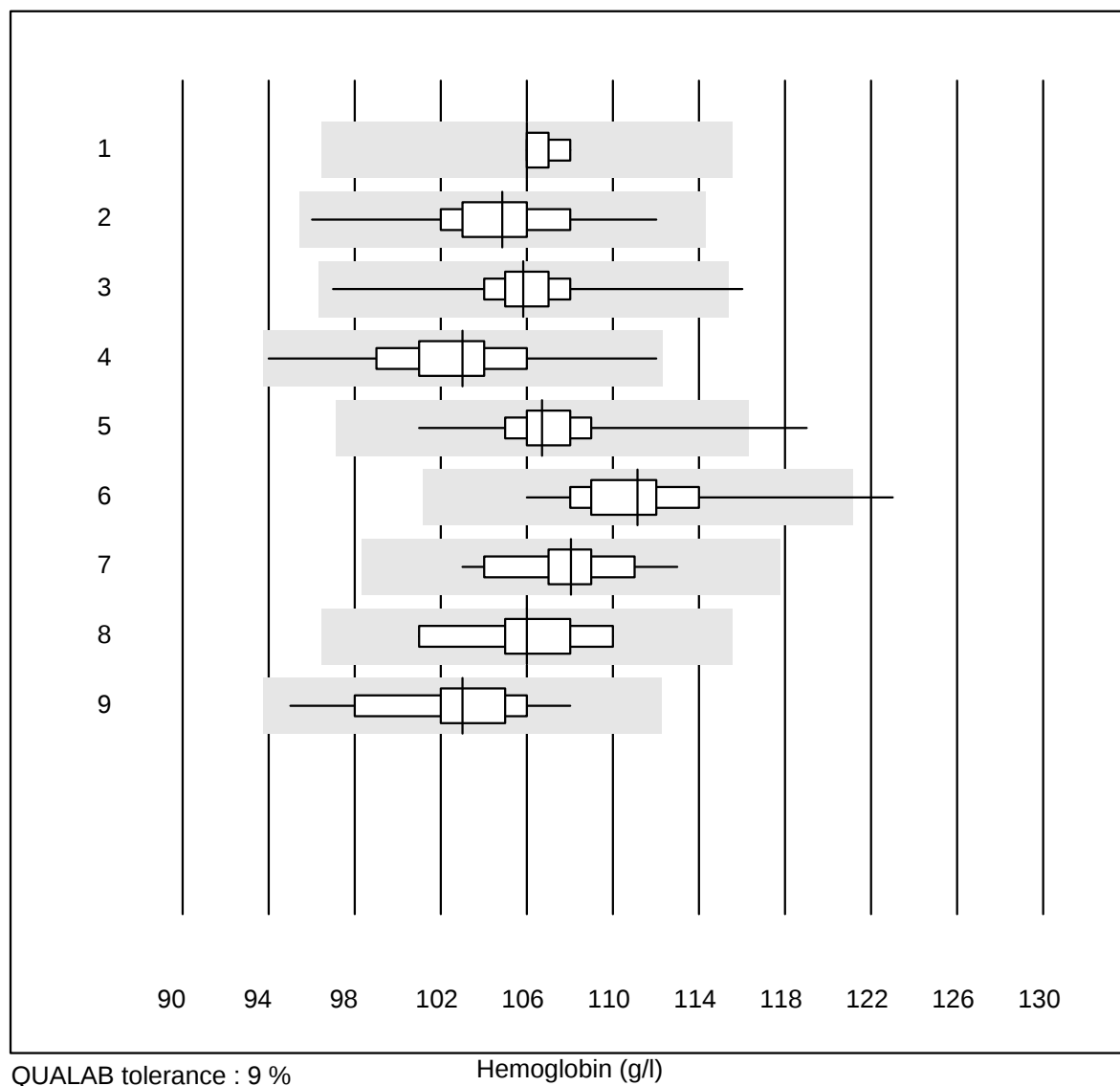
## Hemoglobin



| No. | Methode           | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|-------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Hemocue Hb 801    | 6     | 100.0 | 0.0       | 0.0       | 122.0  | 4.5 | e*   |
| 2   | Automat           | 7     | 85.7  | 0.0       | 14.3      | 106.0  | 2.4 | e    |
| 3   | Cyanmethemoglobin | 14    | 92.9  | 0.0       | 7.1       | 103.4  | 3.2 | e    |
| 4   | Sysmex X          | 62    | 98.4  | 0.0       | 1.6       | 105.6  | 1.7 | e    |
| 5   | Hemocue           | 381   | 91.1  | 2.9       | 6.0       | 104.3  | 3.1 | e    |
| 6   | Hemocontrol       | 14    | 92.9  | 0.0       | 7.1       | 105.5  | 1.5 | e    |
| 7   | DiaSpect          | 14    | 64.3  | 0.0       | 35.7      | 108.0  | 3.1 | e    |

3 additional results were submitted but not published because the method groups were too small. (< results per group)

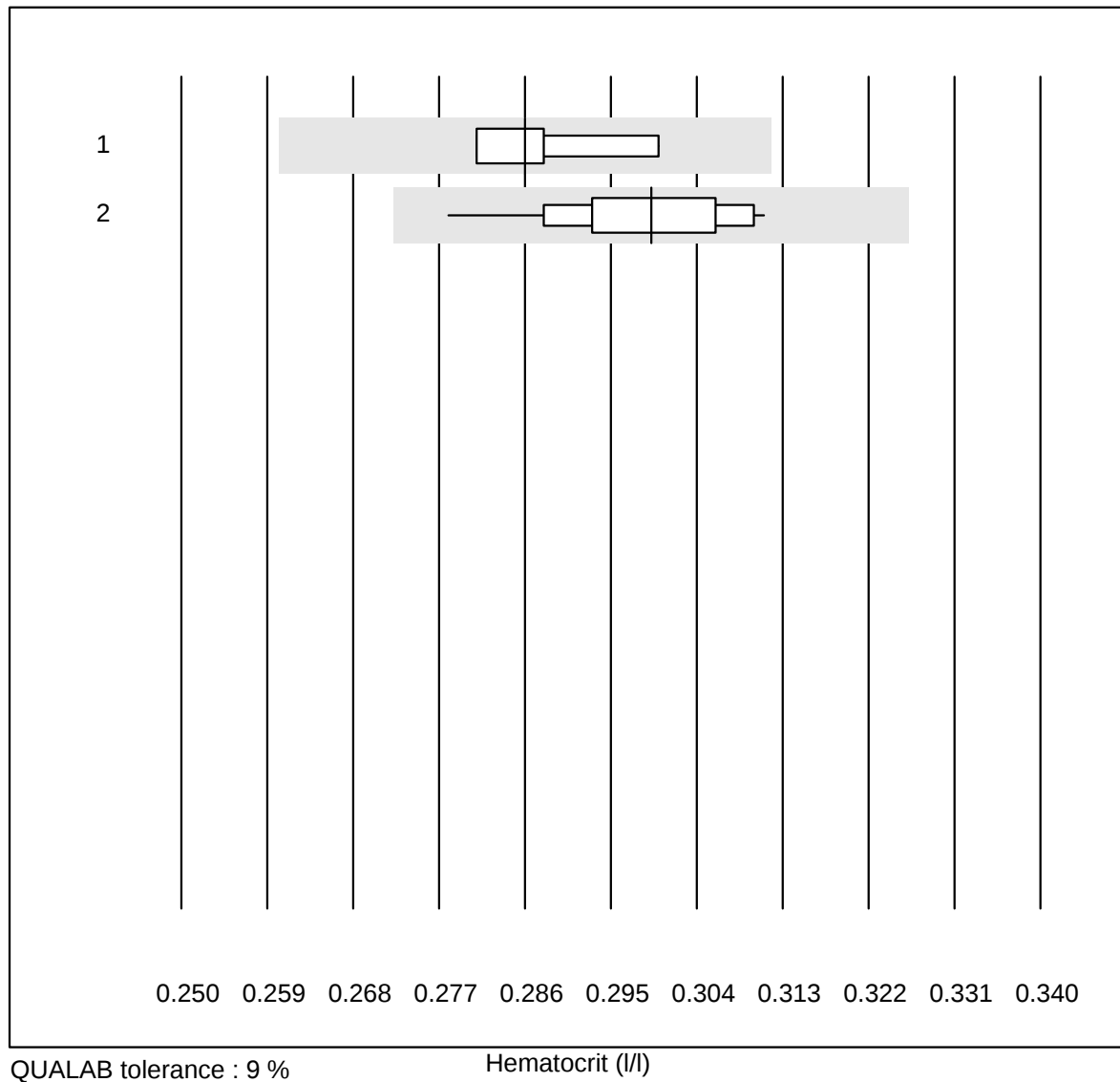
## Hemoglobin



| No. | Methode              | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|----------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Sysmex KX21          | 7     | 100.0 | 0.0       | 0.0       | 106.0  | 0.7 | e    |
| 2   | Sysmex Poch - 100i   | 178   | 98.9  | 0.0       | 1.1       | 104.9  | 2.3 | e    |
| 3   | Sysmex XP 300        | 622   | 98.4  | 0.2       | 1.4       | 105.8  | 1.7 | e    |
| 4   | Mythic               | 218   | 98.6  | 0.0       | 1.4       | 103.0  | 2.6 | e    |
| 5   | Sysmex XQ-320        | 181   | 97.2  | 0.6       | 2.2       | 106.7  | 1.8 | e    |
| 6   | Swelab               | 27    | 96.3  | 3.7       | 0.0       | 111.1  | 3.2 | e    |
| 7   | Celltac Alpha (Nihon | 50    | 94.0  | 0.0       | 6.0       | 108.1  | 2.2 | e    |
| 8   | Samsung HC10         | 5     | 100.0 | 0.0       | 0.0       | 106.0  | 3.2 | e*   |
| 9   | Micros 60            | 53    | 94.3  | 0.0       | 5.7       | 103.0  | 3.0 | e    |

6 additional results were submitted but not published because the method groups were too small. (< results per group)

## Hematocrit



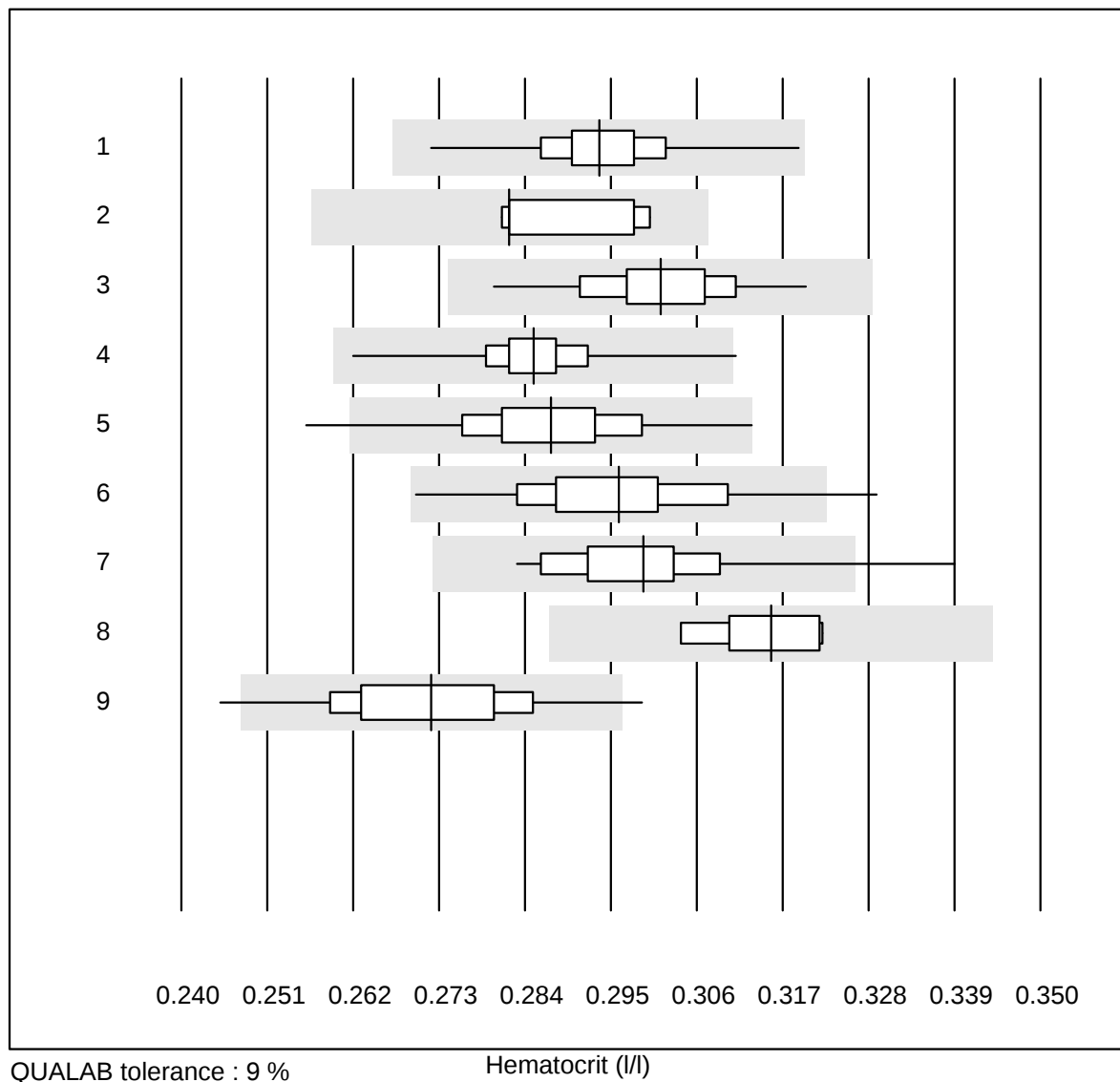
QUALAB tolerance : 9 %

Hematocrit (l/l)

| No. | Methode  | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|----------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Automat  | 4     | 100.0 | 0.0       | 0.0       | 0.29   | 2.9 | e*   |
| 2   | Sysmex X | 62    | 98.4  | 0.0       | 1.6       | 0.30   | 2.8 | e    |

7 additional results were submitted but not published because the method groups were too small. (< results per group)

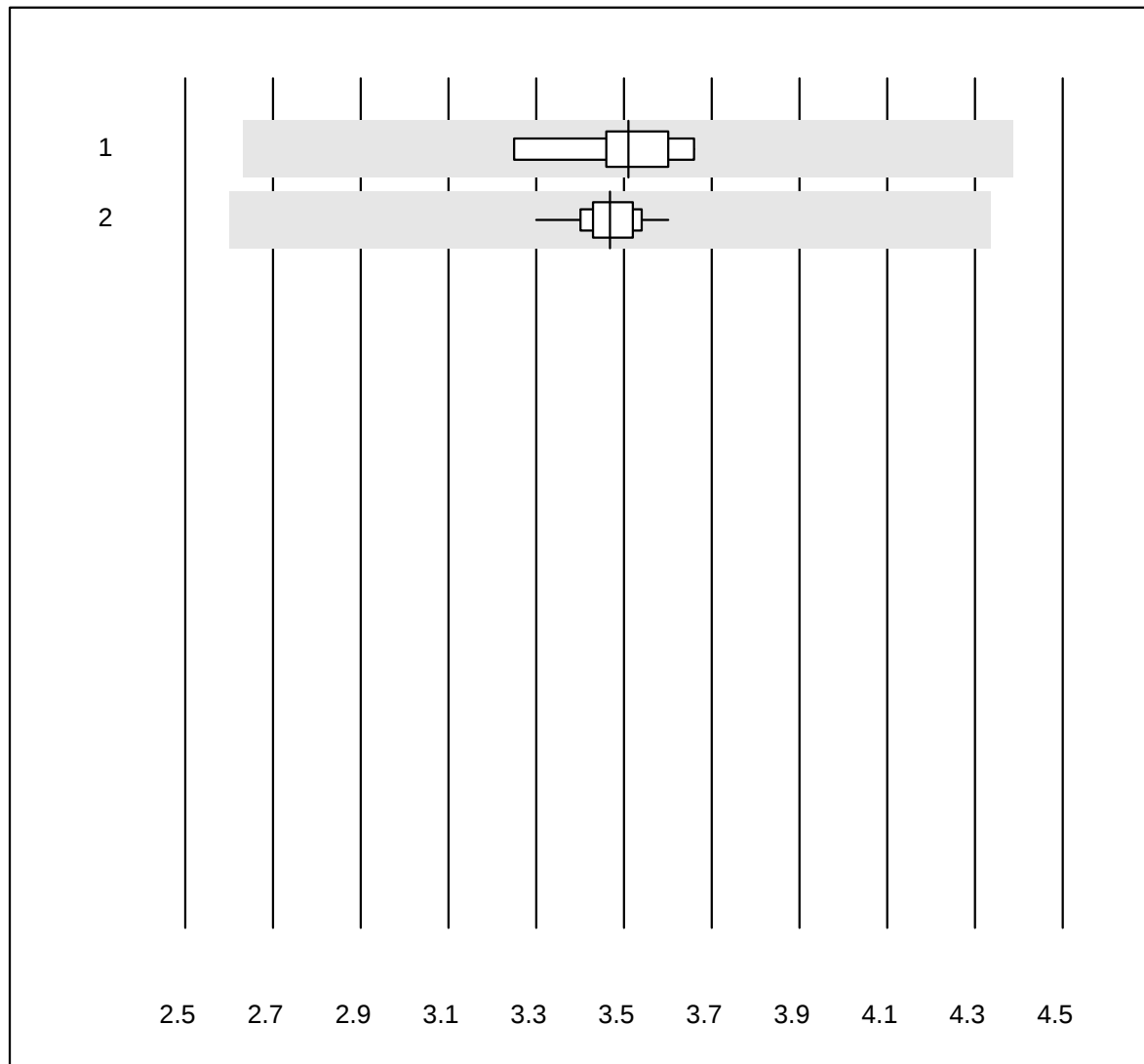
## Hematocrit



| No. | Methode              | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|----------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Sysmex XQ-320        | 178   | 96.6  | 0.0       | 3.4       | 0.29   | 2.5 | e    |
| 2   | Sysmex KX21          | 7     | 100.0 | 0.0       | 0.0       | 0.28   | 2.9 | e*   |
| 3   | Sysmex Poch - 100i   | 178   | 99.4  | 0.0       | 0.6       | 0.30   | 2.5 | e    |
| 4   | Sysmex XP 300        | 621   | 97.9  | 0.3       | 1.8       | 0.29   | 1.9 | e    |
| 5   | Mythic               | 217   | 96.8  | 0.9       | 2.3       | 0.29   | 3.2 | e    |
| 6   | Swelab               | 27    | 96.3  | 3.7       | 0.0       | 0.30   | 4.0 | e    |
| 7   | Celltac Alpha (Nihon | 50    | 86.0  | 6.0       | 8.0       | 0.30   | 4.0 | e    |
| 8   | Samsung HC10         | 5     | 100.0 | 0.0       | 0.0       | 0.32   | 2.5 | e*   |
| 9   | Micros 60            | 53    | 86.8  | 5.7       | 7.5       | 0.27   | 4.2 | e    |

5 additional results were submitted but not published because the method groups were too small. (< results per group)

## Erythrocytes



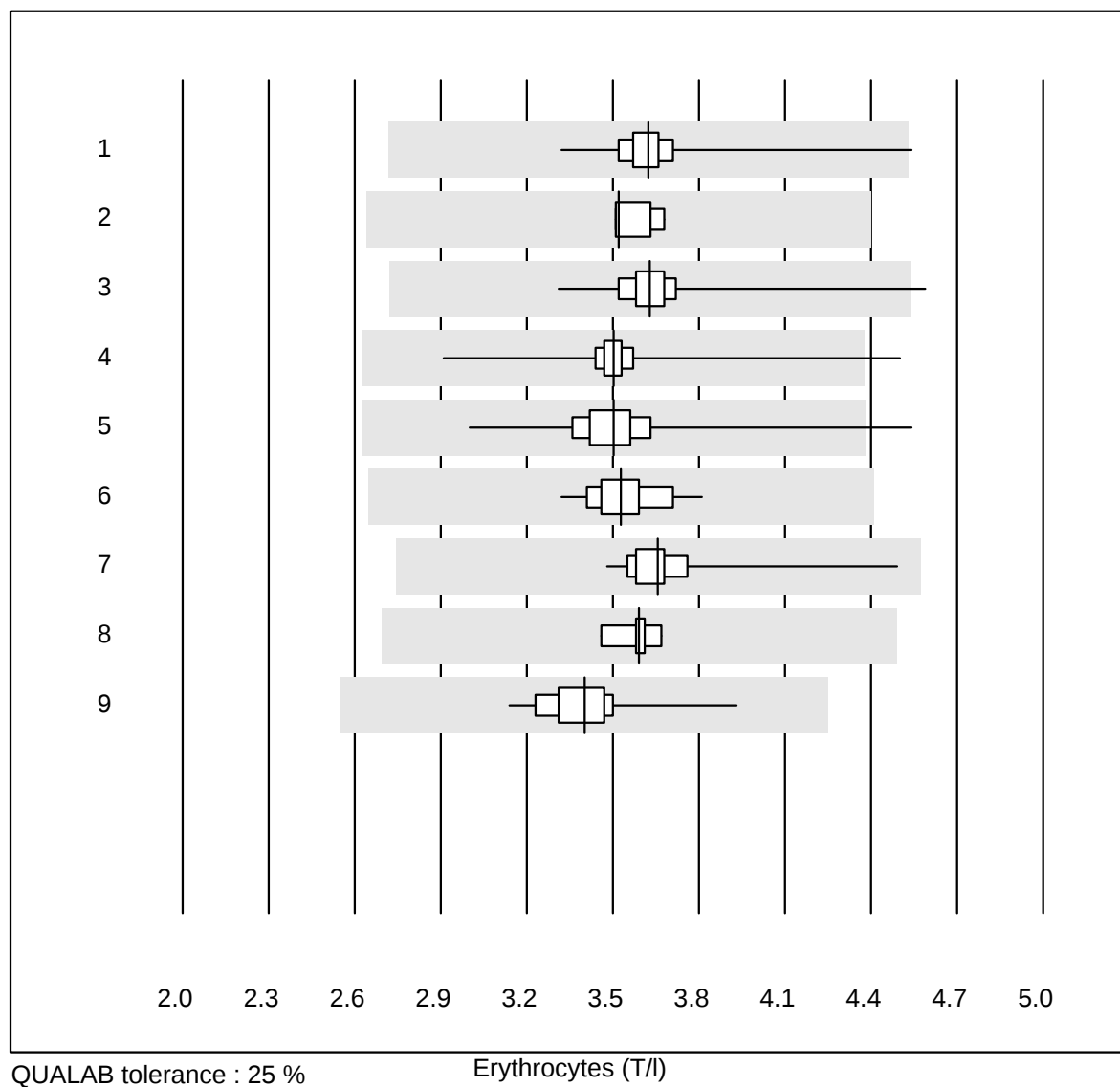
QUALAB tolerance : 25 %

Erythrocytes (T/l)

| No. | Methode  | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|----------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Automat  | 5     | 100.0 | 0.0       | 0.0       | 3.51   | 4.5 | e    |
| 2   | Sysmex X | 62    | 98.4  | 0.0       | 1.6       | 3.47   | 1.9 | e    |

4 additional results were submitted but not published because the method groups were too small. (< results per group)

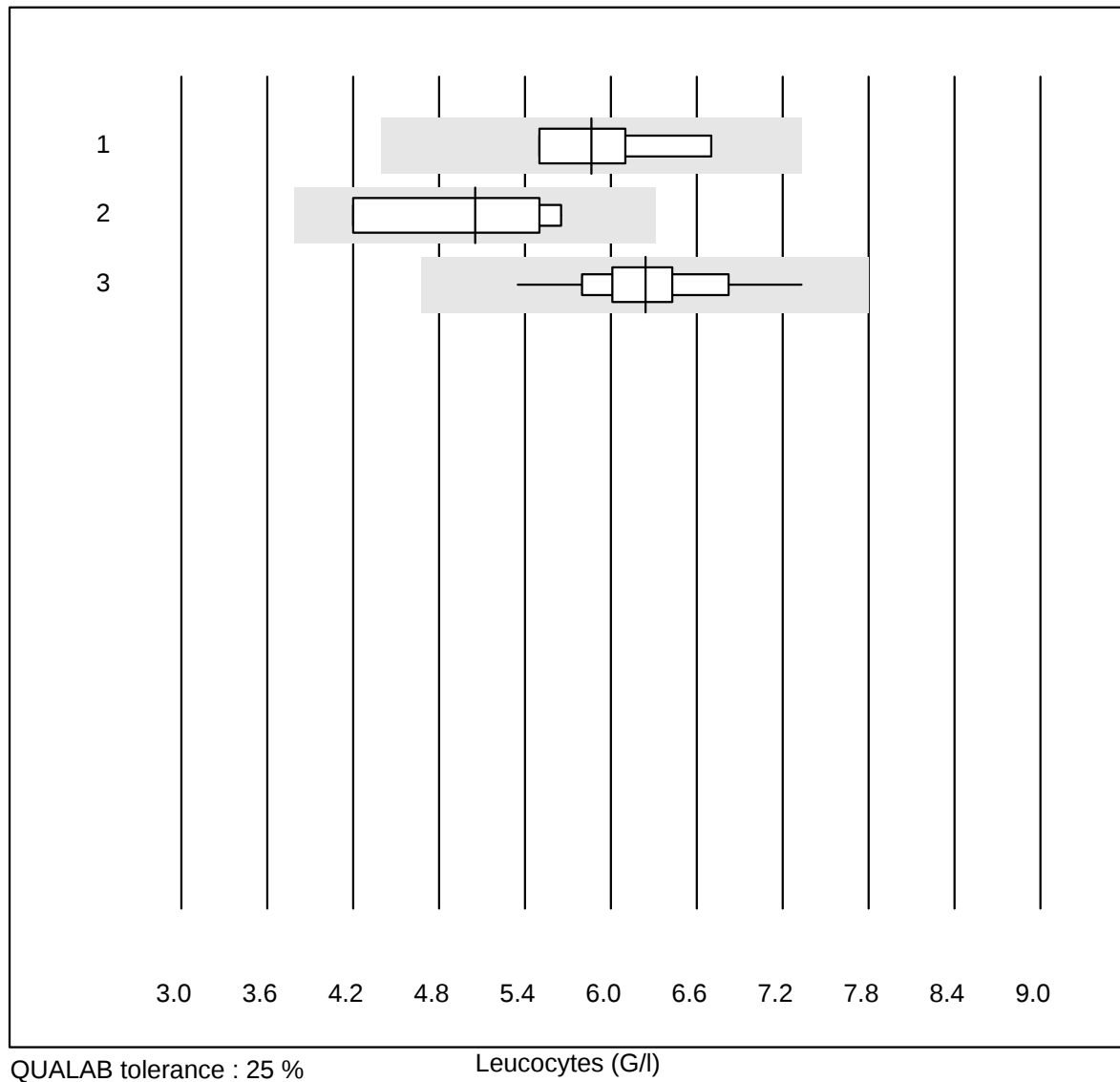
## Erythrocytes



| No. | Methode              | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|----------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Sysmex XQ-320        | 179   | 97.7  | 0.6       | 1.7       | 3.62   | 3.6 | e    |
| 2   | Sysmex KX21          | 7     | 100.0 | 0.0       | 0.0       | 3.52   | 1.9 | e    |
| 3   | Sysmex Poch - 100i   | 178   | 99.4  | 0.6       | 0.0       | 3.63   | 2.9 | e    |
| 4   | Sysmex XP 300        | 623   | 98.3  | 0.3       | 1.4       | 3.50   | 2.6 | e    |
| 5   | Mythic               | 216   | 99.1  | 0.9       | 0.0       | 3.50   | 4.4 | e    |
| 6   | Swelab               | 27    | 100.0 | 0.0       | 0.0       | 3.53   | 3.2 | e    |
| 7   | Celltac Alpha (Nihon | 50    | 96.0  | 0.0       | 4.0       | 3.66   | 3.9 | e    |
| 8   | Samsung HC10         | 5     | 100.0 | 0.0       | 0.0       | 3.59   | 2.1 | e    |
| 9   | Micros 60            | 53    | 94.3  | 0.0       | 5.7       | 3.40   | 4.1 | e    |

5 additional results were submitted but not published because the method groups were too small. (< results per group)

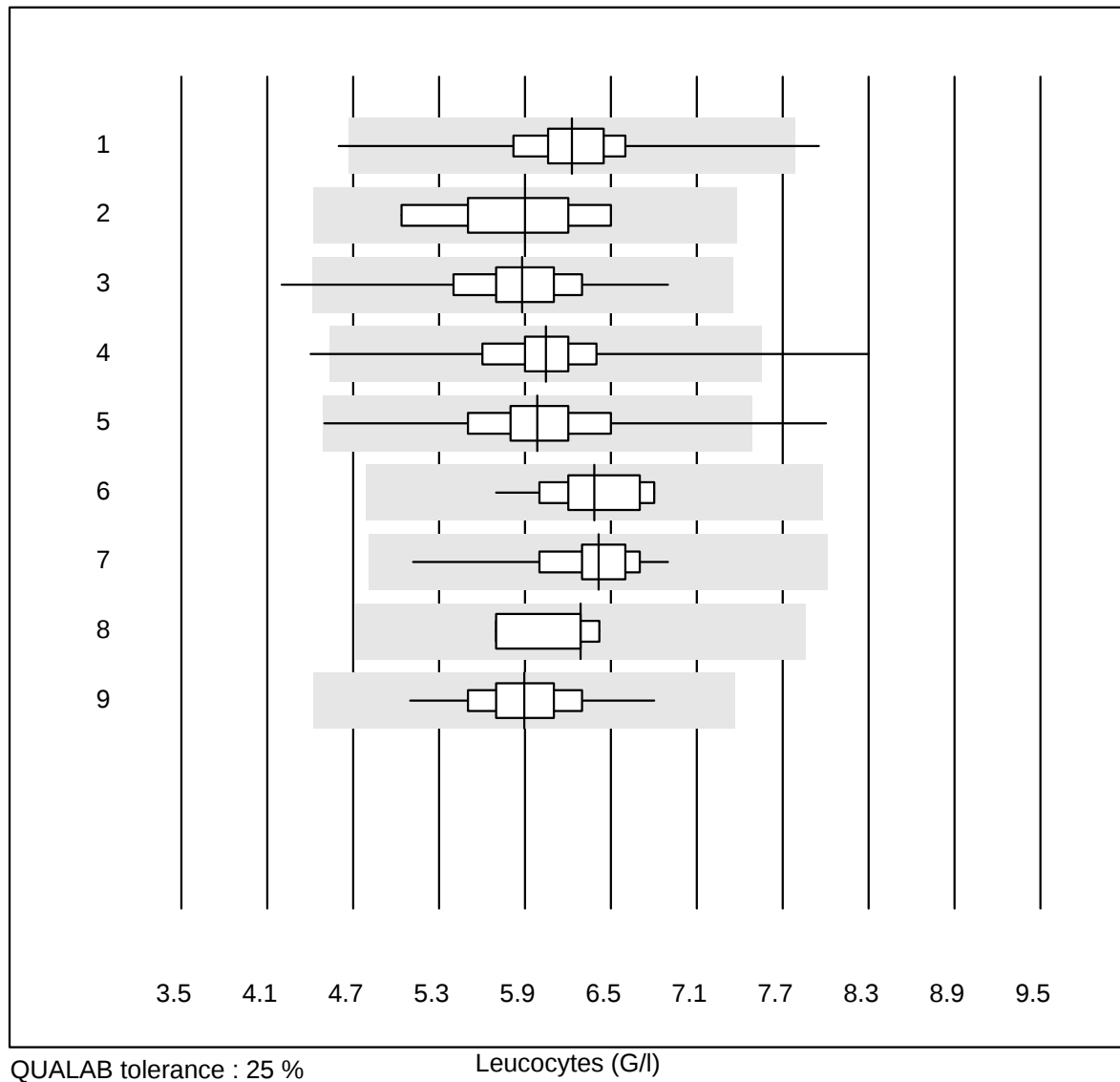
## Leucocytes



| No. | Methode     | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----|-------------|-------|-------|-----------|-----------|--------|------|------|
| 1   | Automat     | 4     | 100.0 | 0.0       | 0.0       | 5.87   | 9.1  | e*   |
| 2   | Microscopic | 4     | 100.0 | 0.0       | 0.0       | 5.05   | 14.0 | e*   |
| 3   | Sysmex X    | 62    | 100.0 | 0.0       | 0.0       | 6.24   | 6.7  | e    |

4 additional results were submitted but not published because the method groups were too small. (< results per group)

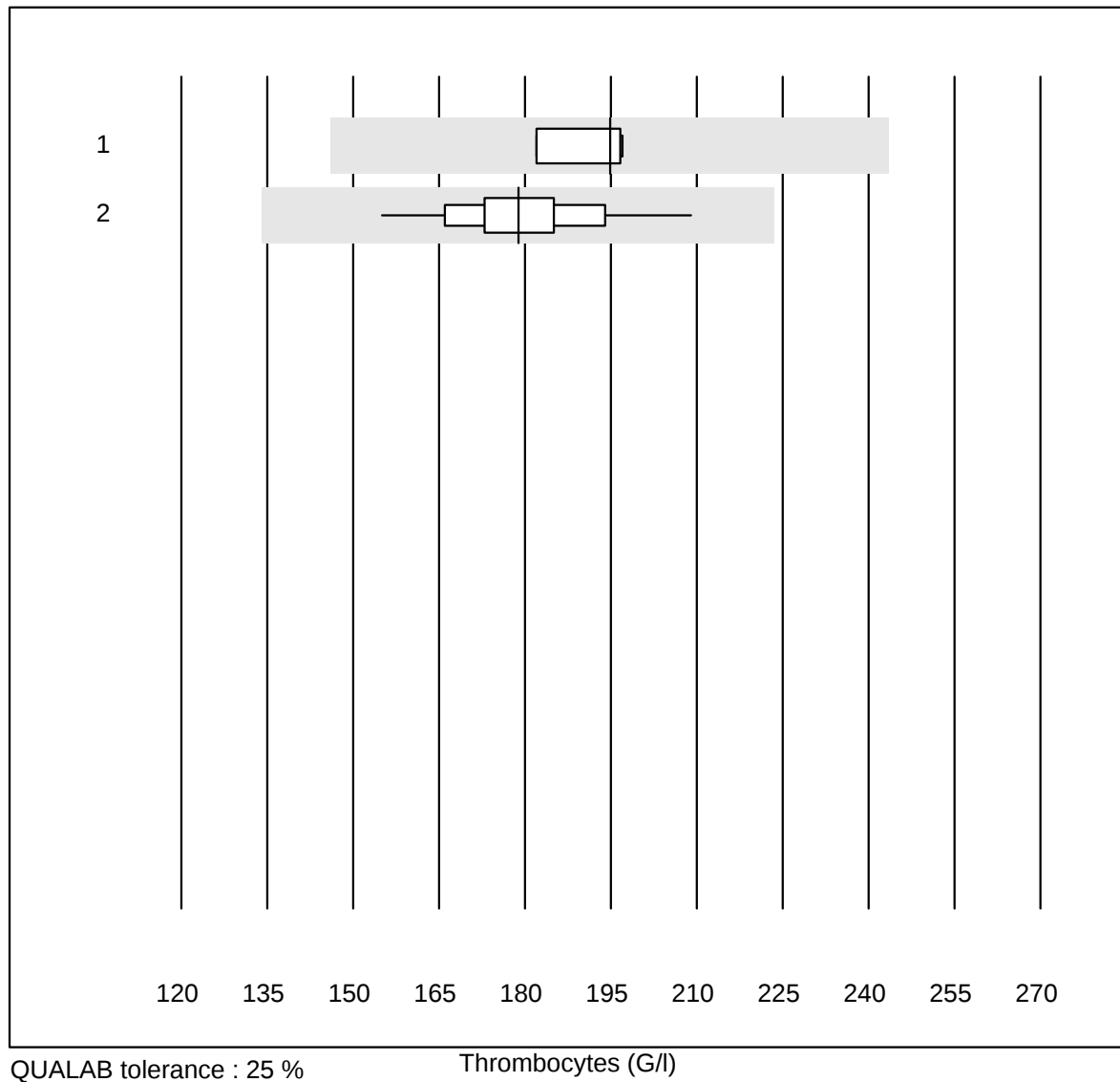
## Leucocytes



| No. | Methode              | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|----------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Sysmex XQ-320        | 179   | 98.3  | 1.1       | 0.6       | 6.23   | 6.1 | e    |
| 2   | Sysmex KX21          | 7     | 100.0 | 0.0       | 0.0       | 5.90   | 8.5 | e*   |
| 3   | Sysmex Poch - 100i   | 177   | 99.4  | 0.6       | 0.0       | 5.88   | 6.1 | e    |
| 4   | Sysmex XP 300        | 623   | 98.6  | 0.6       | 0.8       | 6.04   | 5.9 | e    |
| 5   | Mythic               | 217   | 98.2  | 0.9       | 0.9       | 5.99   | 6.9 | e    |
| 6   | Swelab               | 27    | 96.3  | 0.0       | 3.7       | 6.38   | 5.1 | e    |
| 7   | Celltac Alpha (Nihon | 50    | 98.0  | 0.0       | 2.0       | 6.41   | 5.2 | e    |
| 8   | Samsung HC10         | 5     | 80.0  | 0.0       | 20.0      | 6.29   | 5.1 | e    |
| 9   | Micros 60            | 53    | 96.2  | 0.0       | 3.8       | 5.89   | 6.0 | e    |

6 additional results were submitted but not published because the method groups were too small. (< results per group)

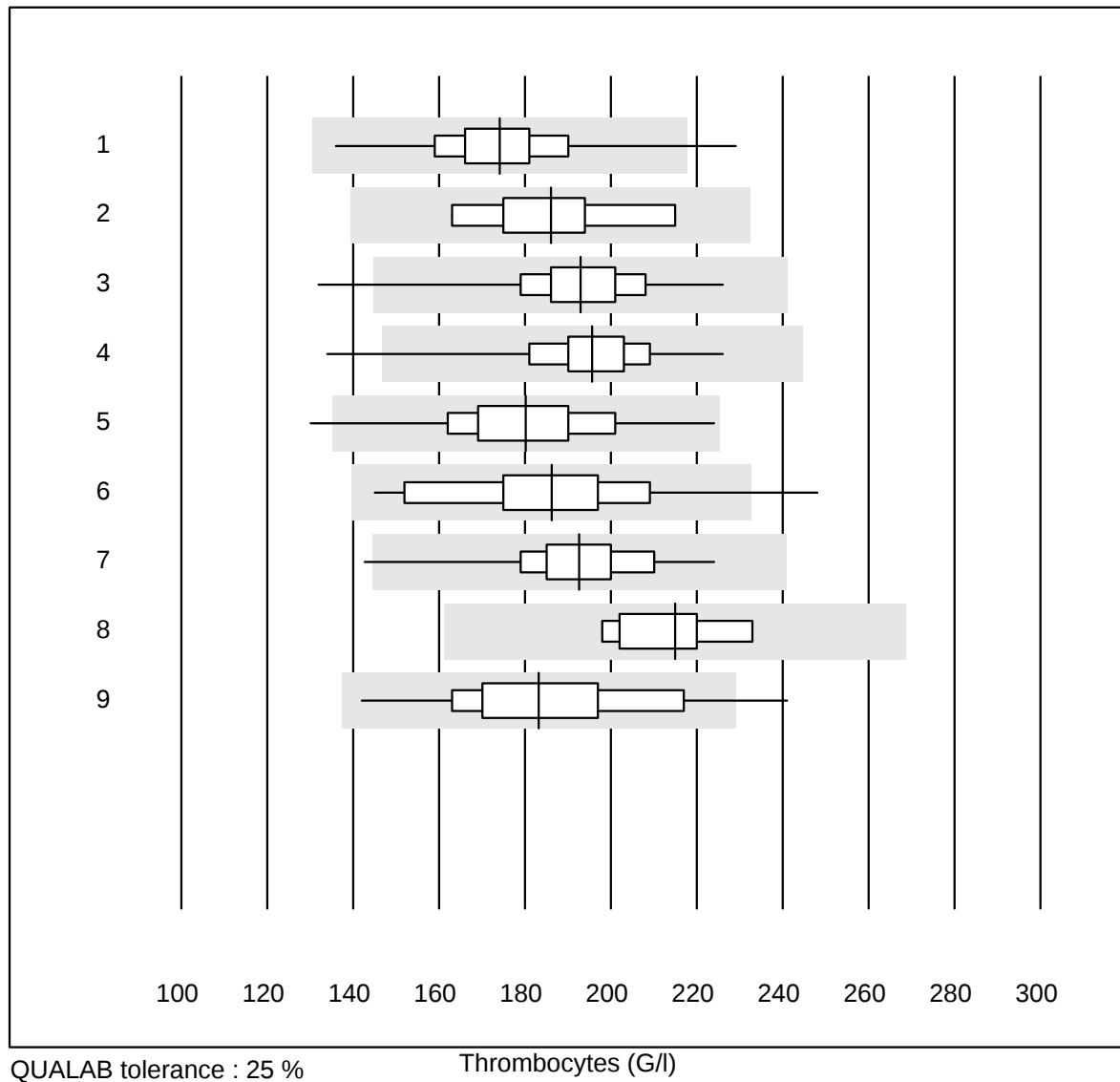
## Thrombocytes



| No. | Methode  | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|----------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Automat  | 4     | 100.0 | 0.0       | 0.0       | 194.8  | 3.7 | e    |
| 2   | Sysmex X | 62    | 100.0 | 0.0       | 0.0       | 178.8  | 6.2 | e    |

6 additional results were submitted but not published because the method groups were too small. (< results per group)

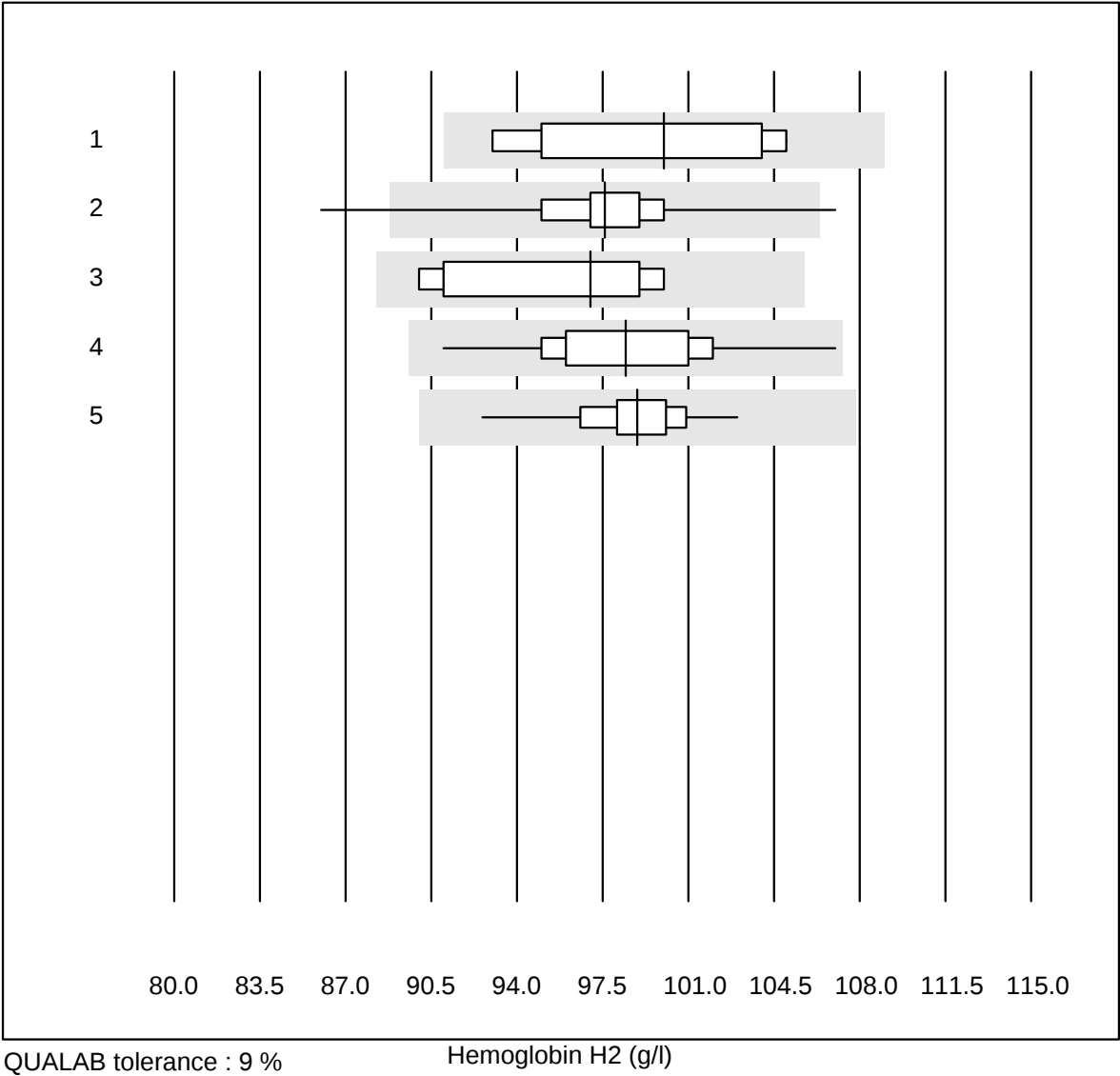
## Thrombocytes



| No. | Methode              | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----|----------------------|-------|-------|-----------|-----------|--------|------|------|
| 1   | Sysmex XQ-320        | 179   | 97.7  | 0.6       | 1.7       | 174.2  | 7.7  | e    |
| 2   | Sysmex KX21          | 7     | 100.0 | 0.0       | 0.0       | 186.0  | 8.7  | e*   |
| 3   | Sysmex Poch - 100i   | 177   | 99.4  | 0.6       | 0.0       | 193.0  | 6.1  | e    |
| 4   | Sysmex XP 300        | 623   | 99.2  | 0.5       | 0.3       | 195.6  | 6.0  | e    |
| 5   | Mythic               | 218   | 98.6  | 0.5       | 0.9       | 180.2  | 8.9  | e    |
| 6   | Swelab               | 27    | 96.3  | 3.7       | 0.0       | 186.1  | 11.3 | e    |
| 7   | Celltac Alpha (Nihon | 50    | 96.0  | 2.0       | 2.0       | 192.6  | 7.2  | e    |
| 8   | Samsung HC10         | 5     | 100.0 | 0.0       | 0.0       | 215.0  | 6.6  | e    |
| 9   | Micros 60            | 53    | 90.5  | 5.7       | 3.8       | 183.3  | 11.9 | e    |

5 additional results were submitted but not published because the method groups were too small. (< results per group)

Hemoglobin H2

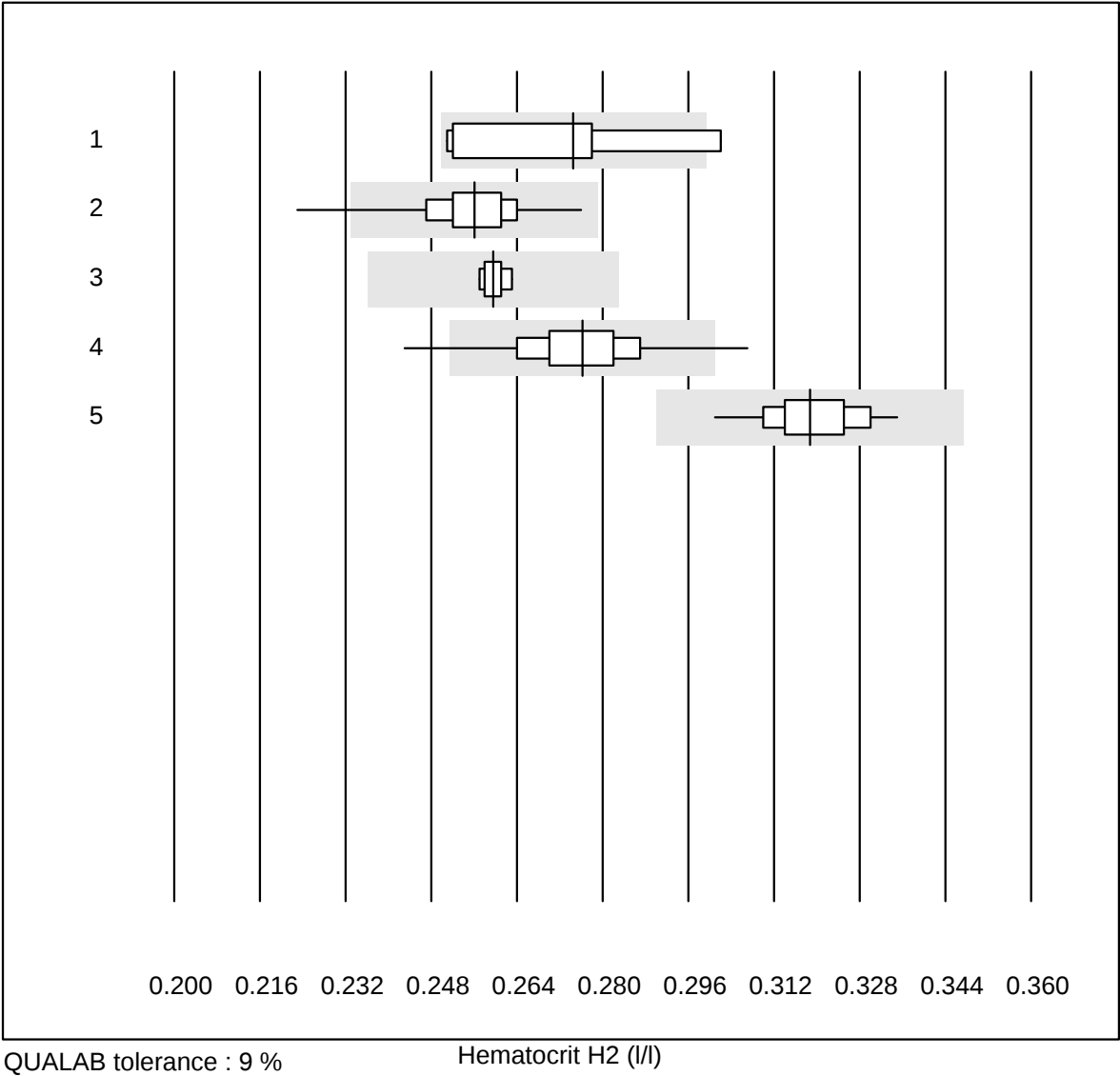


QUALAB tolerance : 9 %

Hemoglobin H2 (g/l)

| No. Methode |               | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-------------|---------------|-------|-------|-----------|-----------|--------|-----|------|
| 1           | Dymind DP-H10 | 6     | 100.0 | 0.0       | 0.0       | 100.0  | 4.8 | e*   |
| 2           | Microsemi     | 939   | 97.0  | 0.7       | 2.3       | 97.6   | 2.4 | e    |
| 3           | Abx Micros    | 6     | 83.3  | 0.0       | 16.7      | 97.0   | 4.8 | e*   |
| 4           | Z3            | 252   | 96.0  | 0.0       | 4.0       | 98.4   | 3.2 | e    |
| 5           | MEK-1303/5    | 47    | 91.5  | 0.0       | 8.5       | 98.9   | 2.2 | e    |

Hematocrit H2

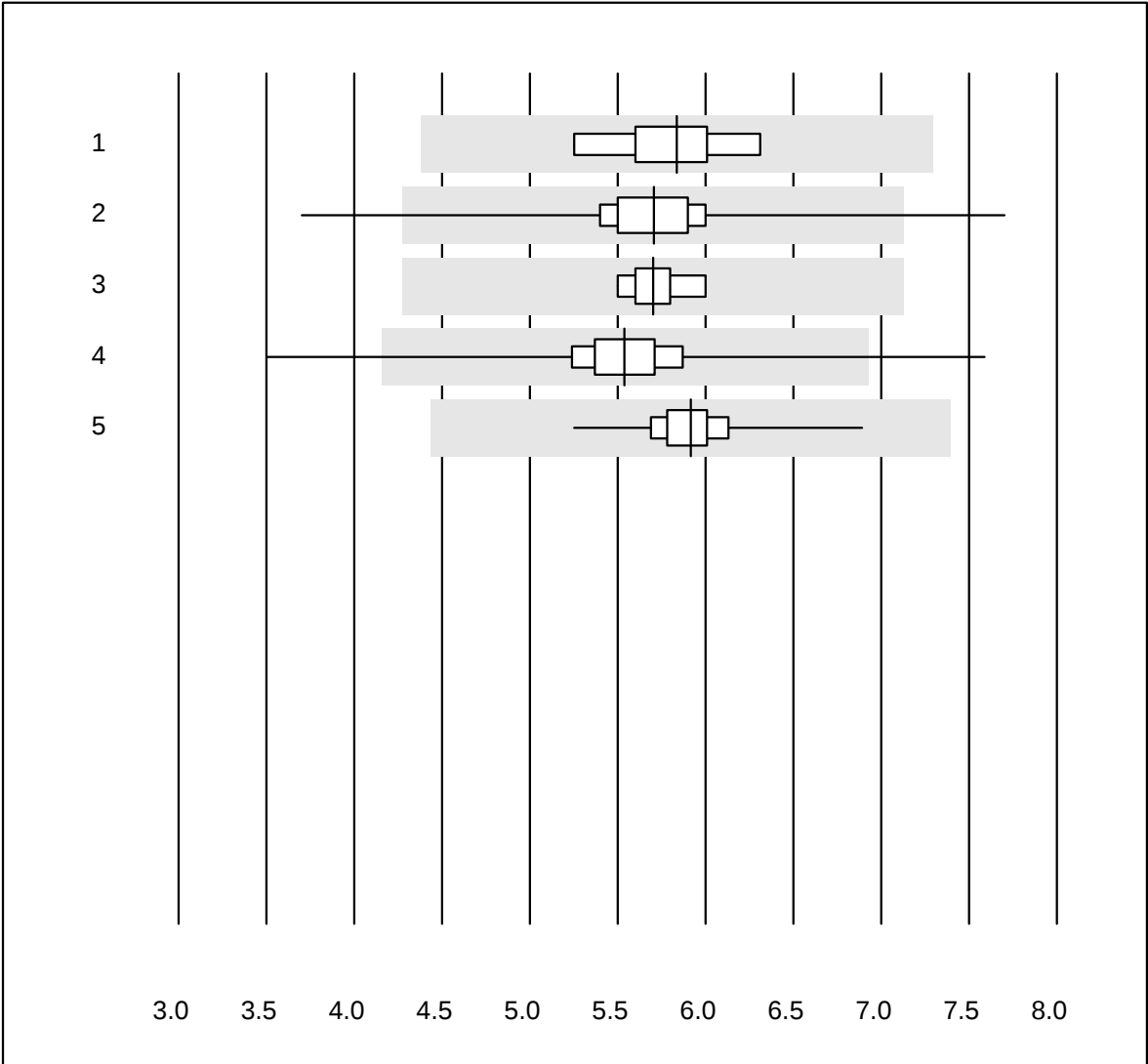


QUALAB tolerance : 9 %

Hematocrit H2 (l/l)

| No.Methode |               | Total | % OK | % insuff. | % outlier | Target | CV% | Type |
|------------|---------------|-------|------|-----------|-----------|--------|-----|------|
| 1          | Dymind DP-H10 | 6     | 66.6 | 16.7      | 16.7      | 0.27   | 7.8 | e*   |
| 2          | Microsemi     | 939   | 94.9 | 1.9       | 3.2       | 0.26   | 3.0 | e    |
| 3          | Abx Micros    | 6     | 83.3 | 0.0       | 16.7      | 0.26   | 1.0 | e    |
| 4          | Z3            | 253   | 94.8 | 1.2       | 4.0       | 0.28   | 3.4 | e    |
| 5          | MEK-1303/5    | 47    | 89.4 | 0.0       | 10.6      | 0.32   | 2.5 | e    |

Leucocytes H2

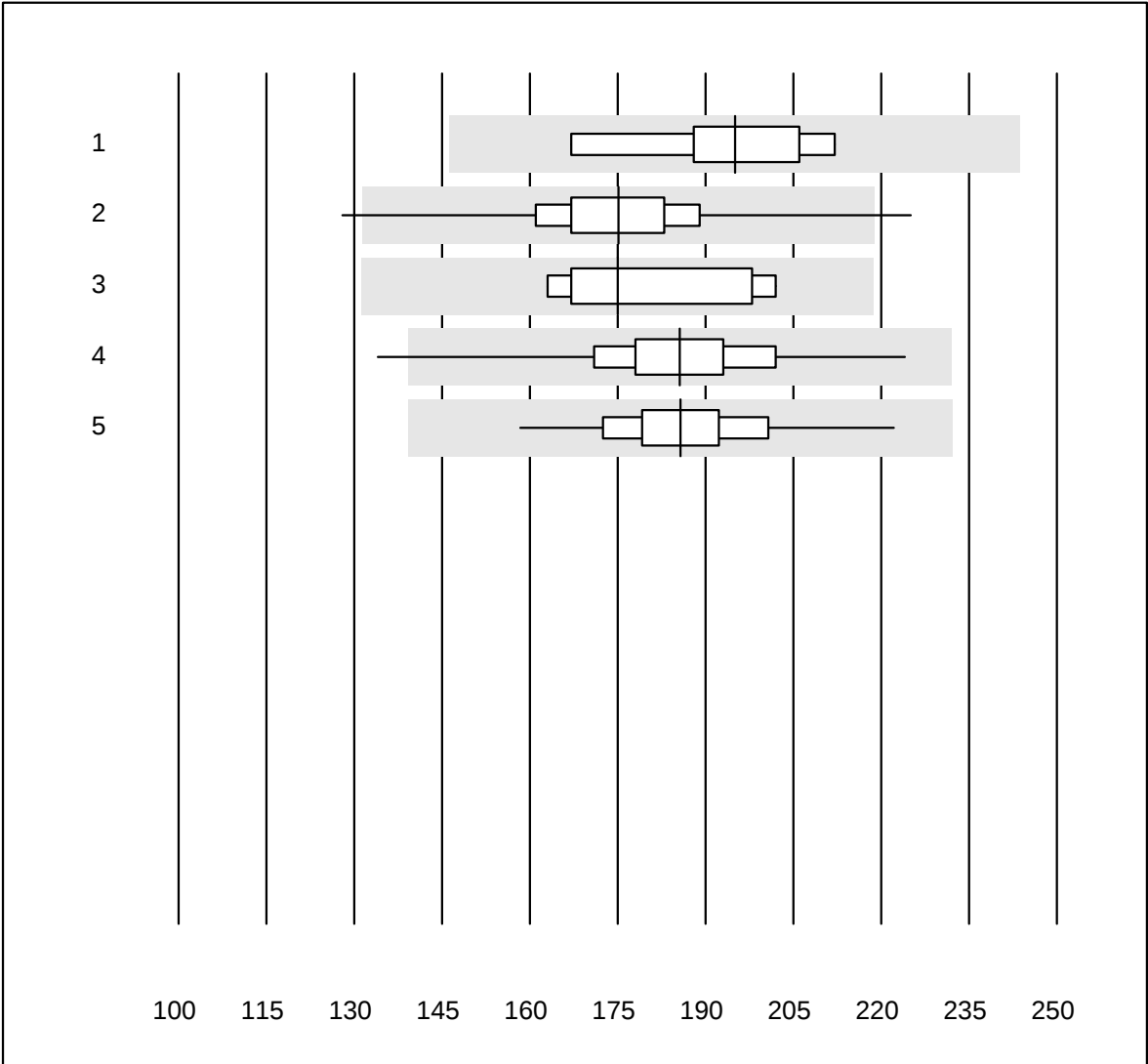


QUALAB tolerance : 25 %

Leucocytes H2 (G/l)

| No.Methode |               | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|---------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Dymind DP-H10 | 6     | 100.0 | 0.0       | 0.0       | 5.84   | 6.3 | e    |
| 2          | Microsemi     | 939   | 98.4  | 0.3       | 1.3       | 5.71   | 5.2 | e    |
| 3          | Abx Micros    | 6     | 100.0 | 0.0       | 0.0       | 5.70   | 3.0 | e    |
| 4          | Z3            | 253   | 97.6  | 1.2       | 1.2       | 5.54   | 6.0 | e    |
| 5          | MEK-1303/5    | 46    | 97.8  | 0.0       | 2.2       | 5.91   | 4.7 | e    |

Thrombocytes H2

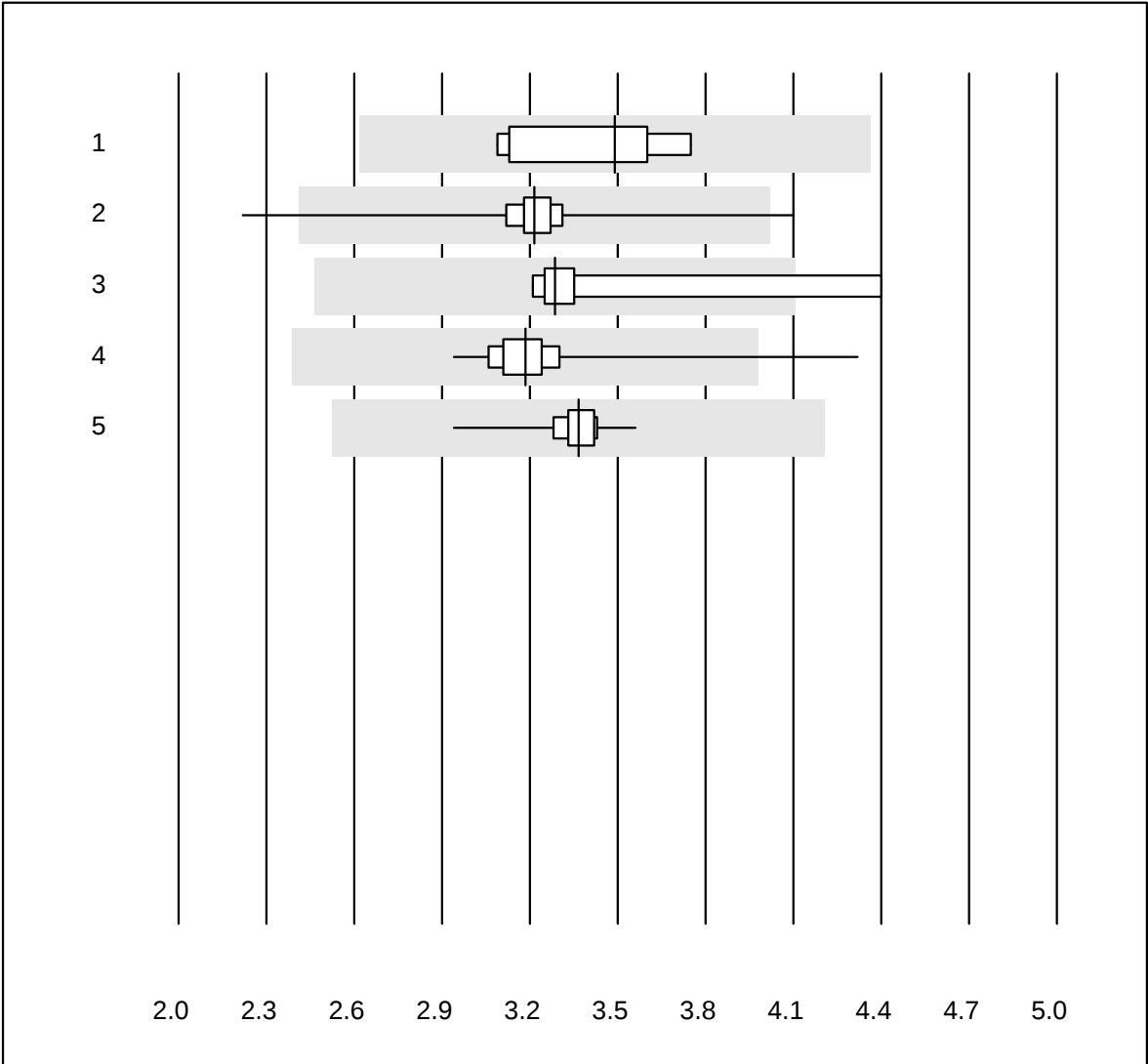


QUALAB tolerance : 25 %

Thrombocytes H2 (G/l)

| No.Methode |               | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|---------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Dymind DP-H10 | 6     | 100.0 | 0.0       | 0.0       | 195.0  | 8.2 | e*   |
| 2          | Microsemi     | 938   | 98.4  | 0.5       | 1.1       | 175.1  | 7.1 | e    |
| 3          | Abx Micros    | 6     | 100.0 | 0.0       | 0.0       | 175.0  | 9.3 | e*   |
| 4          | Z3            | 253   | 97.2  | 0.4       | 2.4       | 185.6  | 6.9 | e    |
| 5          | MEK-1303/5    | 46    | 95.7  | 0.0       | 4.3       | 185.8  | 6.1 | e    |

Erythrocytes H2

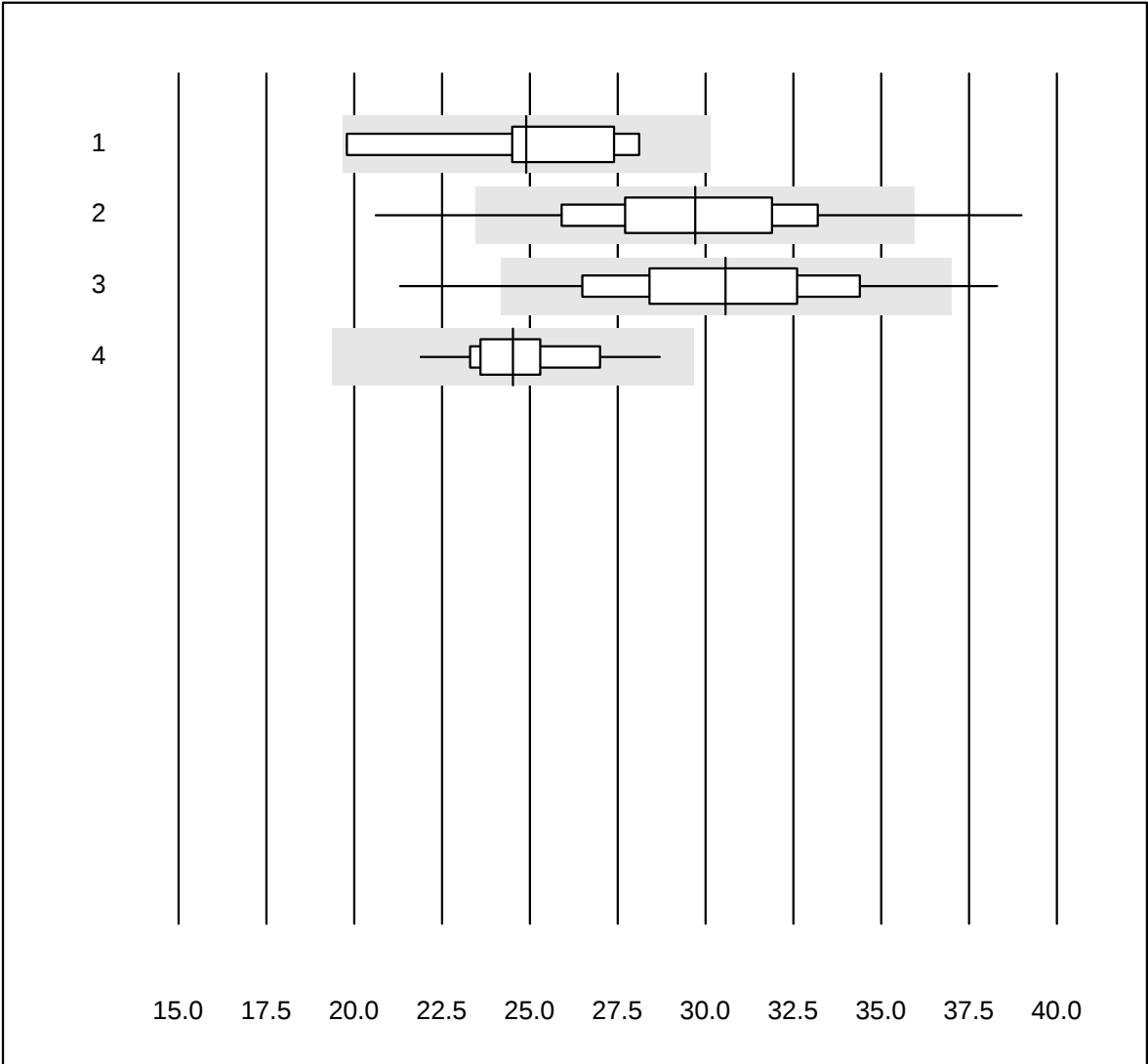


QUALAB tolerance : 25 %

Erythrocytes H2 (T/l)

| No.Methode |               | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------|---------------|-------|-------|-----------|-----------|--------|------|------|
| 1          | Dymind DP-H10 | 6     | 100.0 | 0.0       | 0.0       | 3.49   | 7.8  | e*   |
| 2          | Microsemi     | 939   | 96.8  | 0.3       | 2.9       | 3.22   | 3.6  | e    |
| 3          | Abx Micros    | 6     | 83.3  | 16.7      | 0.0       | 3.29   | 13.3 | e*   |
| 4          | Z3            | 253   | 96.0  | 0.4       | 3.6       | 3.18   | 4.1  | e    |
| 5          | MEK-1303/5    | 47    | 91.5  | 0.0       | 8.5       | 3.37   | 2.8  | e    |

CRP H2



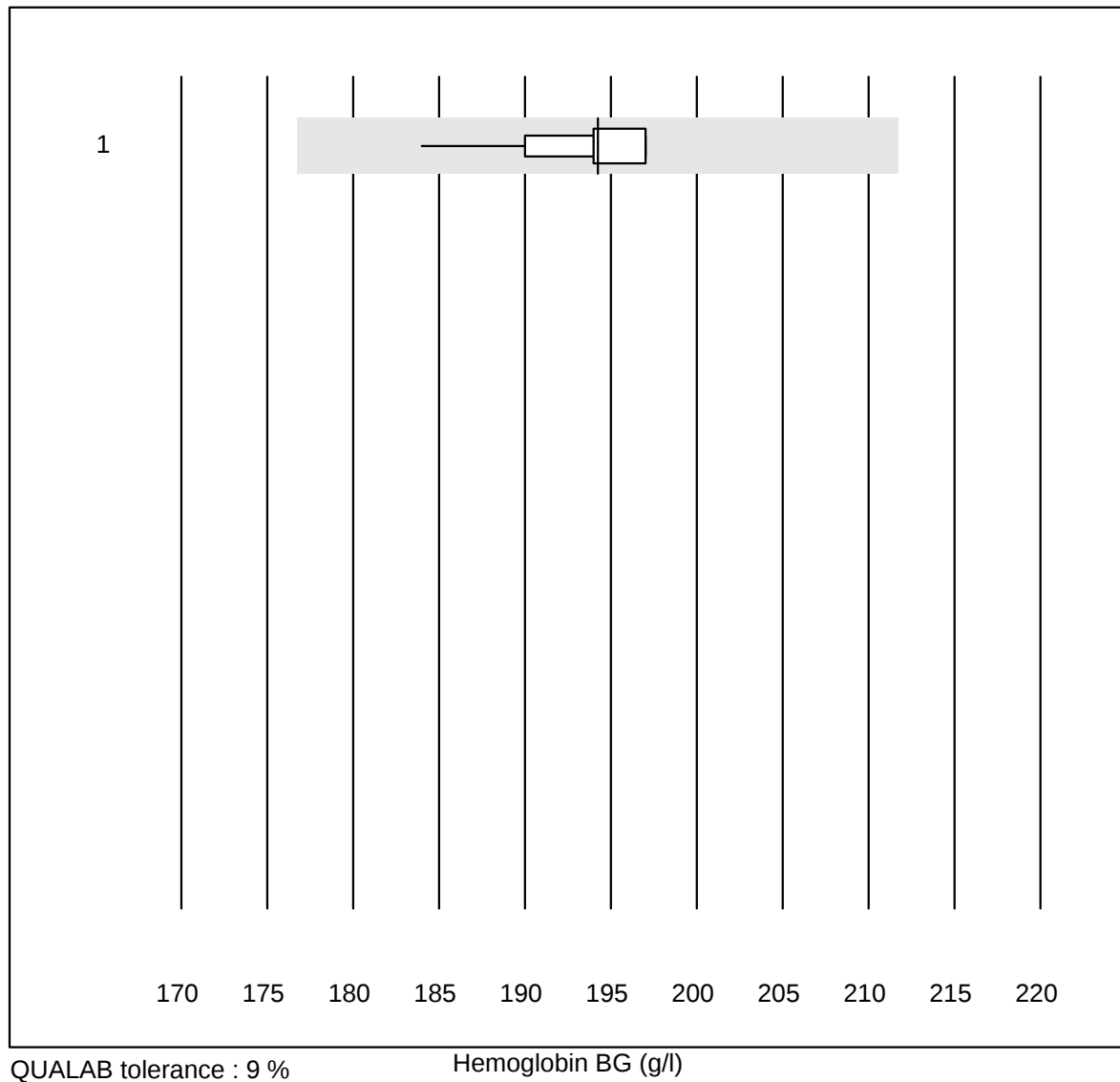
QUALAB tolerance : 21 %

CRP H2 (mg/l)

| No. Methode |               | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-------------|---------------|-------|-------|-----------|-----------|--------|------|------|
| 1           | Dymind DP-H10 | 5     | 100.0 | 0.0       | 0.0       | 24.9   | 13.1 | e*   |
| 2           | Microsemi     | 921   | 92.6  | 4.5       | 2.9       | 29.7   | 10.2 | e    |
| 3           | Z3            | 236   | 94.1  | 4.2       | 1.7       | 30.6   | 10.0 | e    |
| 4           | MEK-1303/5    | 42    | 90.5  | 0.0       | 9.5       | 24.5   | 5.7  | e    |

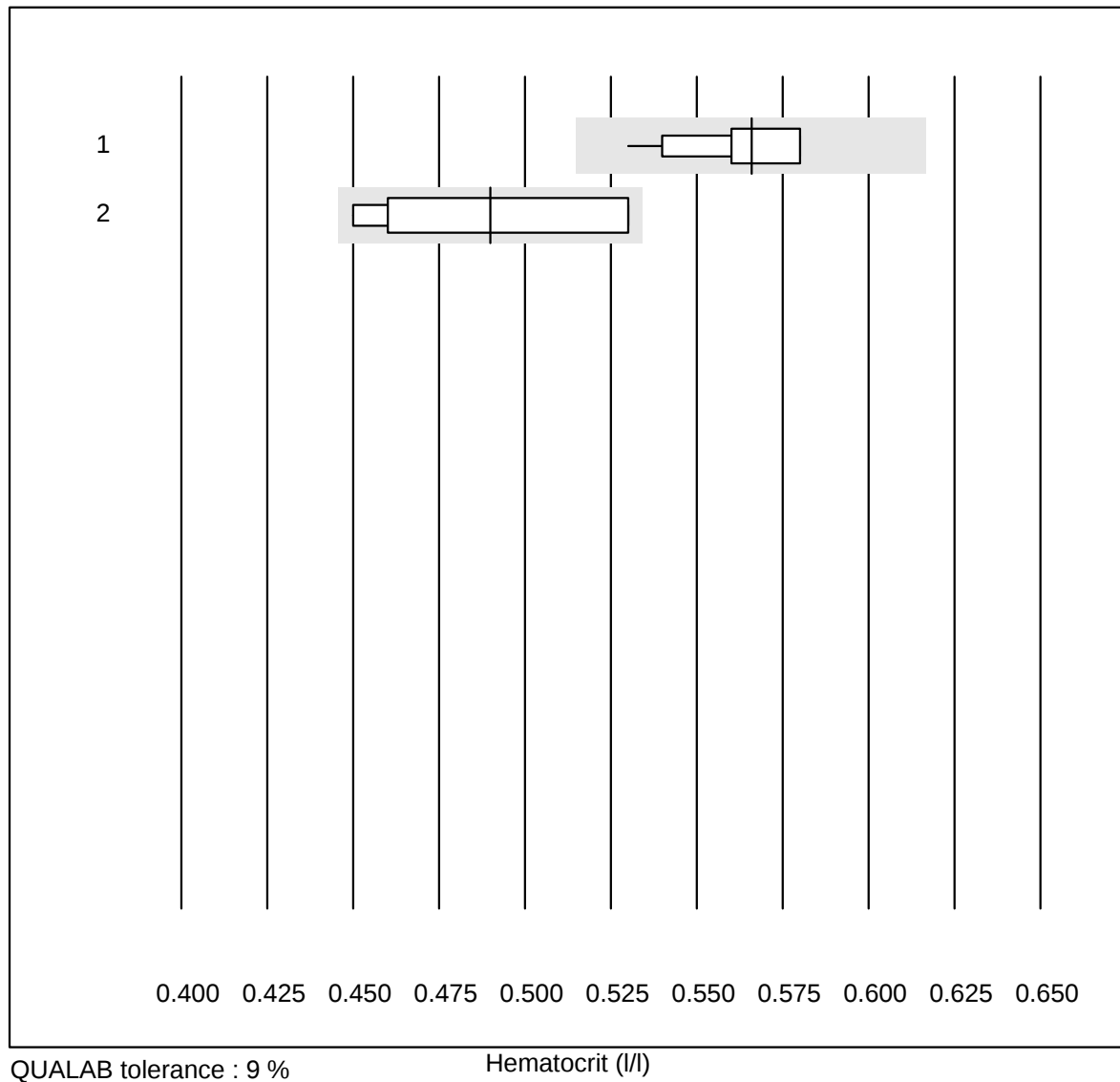
3 additional results were submitted but not published because the method groups were too small. (< results per group)

## Hemoglobin BG



| No. Methode | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-------------|-------|-------|-----------|-----------|--------|-----|------|
| 1 iStat     | 13    | 100.0 | 0.0       | 0.0       | 194.2  | 2.1 | e    |

## Hematocrit

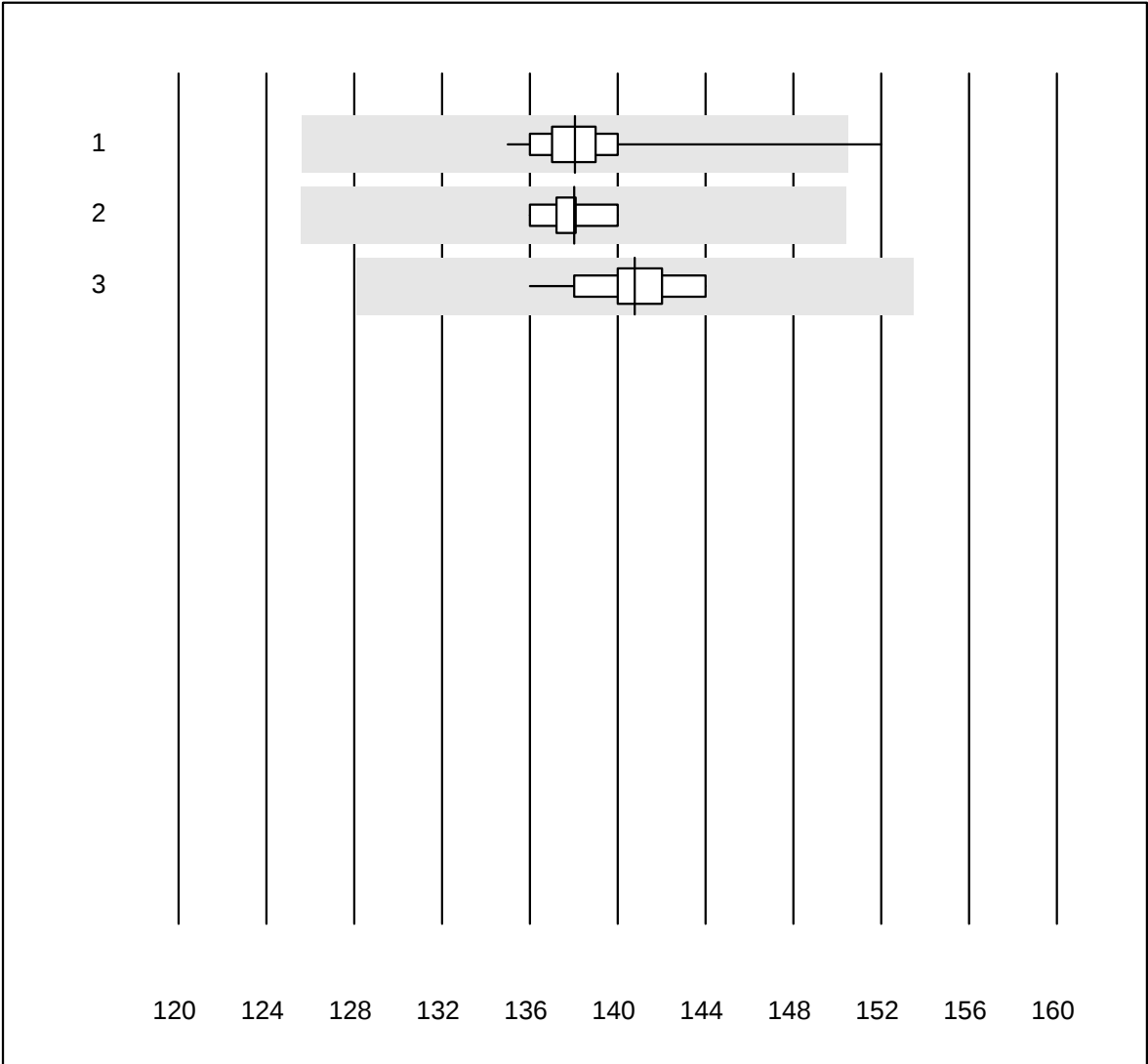


QUALAB tolerance : 9 %

Hematocrit (l/l)

| No. | Methode | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|---------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | iStat   | 17    | 100.0 | 0.0       | 0.0       | 0.57   | 2.7 | e    |
| 2   | EPOC    | 16    | 87.5  | 0.0       | 12.5      | 0.49   | 7.1 | a    |

Hemoglobin



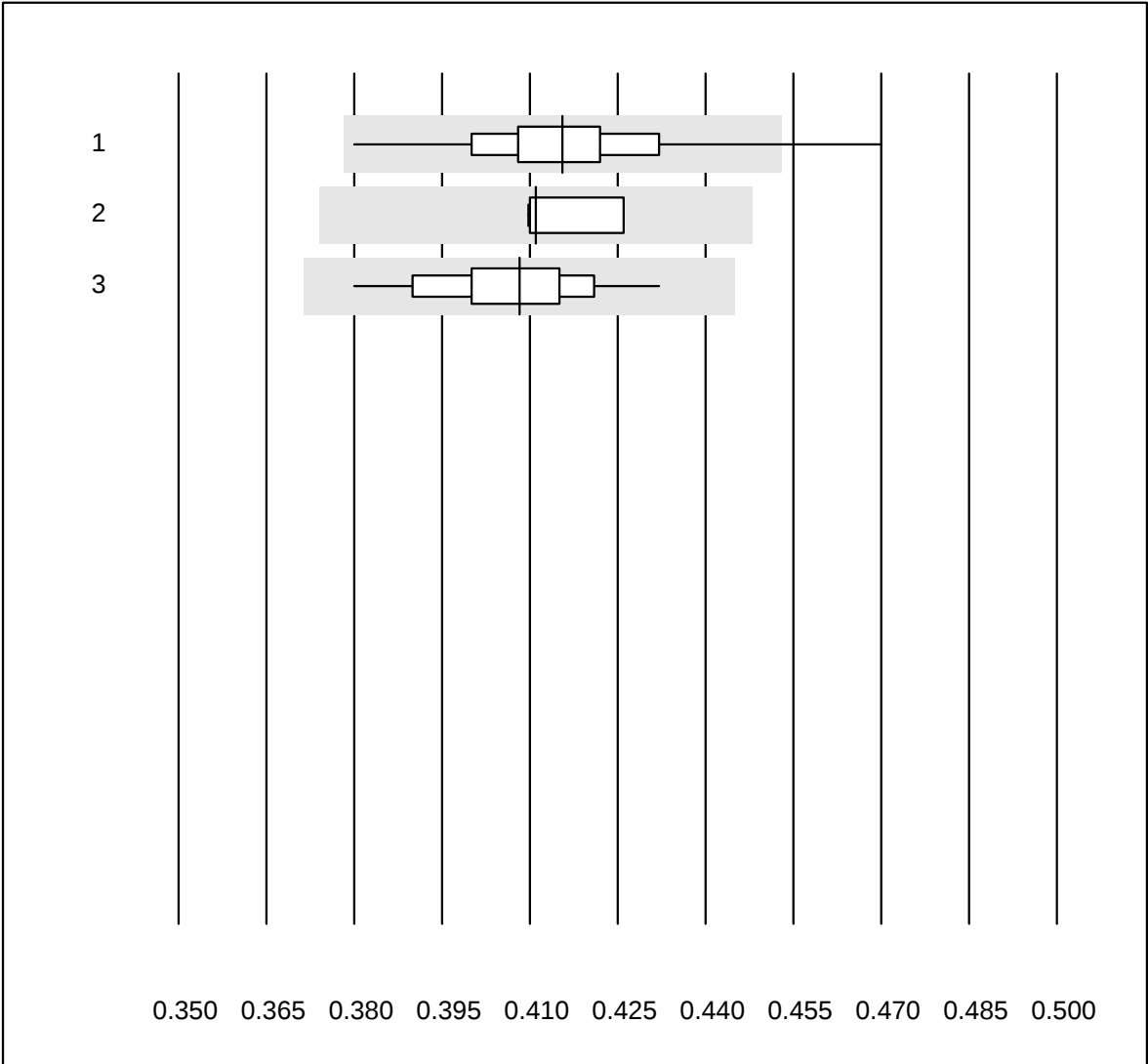
QUALAB tolerance : 9 %

Hemoglobin (g/l)

| No.Methode |                | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|----------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Sysmex         | 122   | 98.4  | 0.8       | 0.8       | 138.0  | 1.5 | e    |
| 2          | Beckman        | 5     | 100.0 | 0.0       | 0.0       | 138.0  | 1.1 | e    |
| 3          | Yumizen/Pentra | 13    | 100.0 | 0.0       | 0.0       | 140.8  | 1.7 | e    |

3 additional results were submitted but not published because the method groups were too small. (< results per group)

Hematocrit



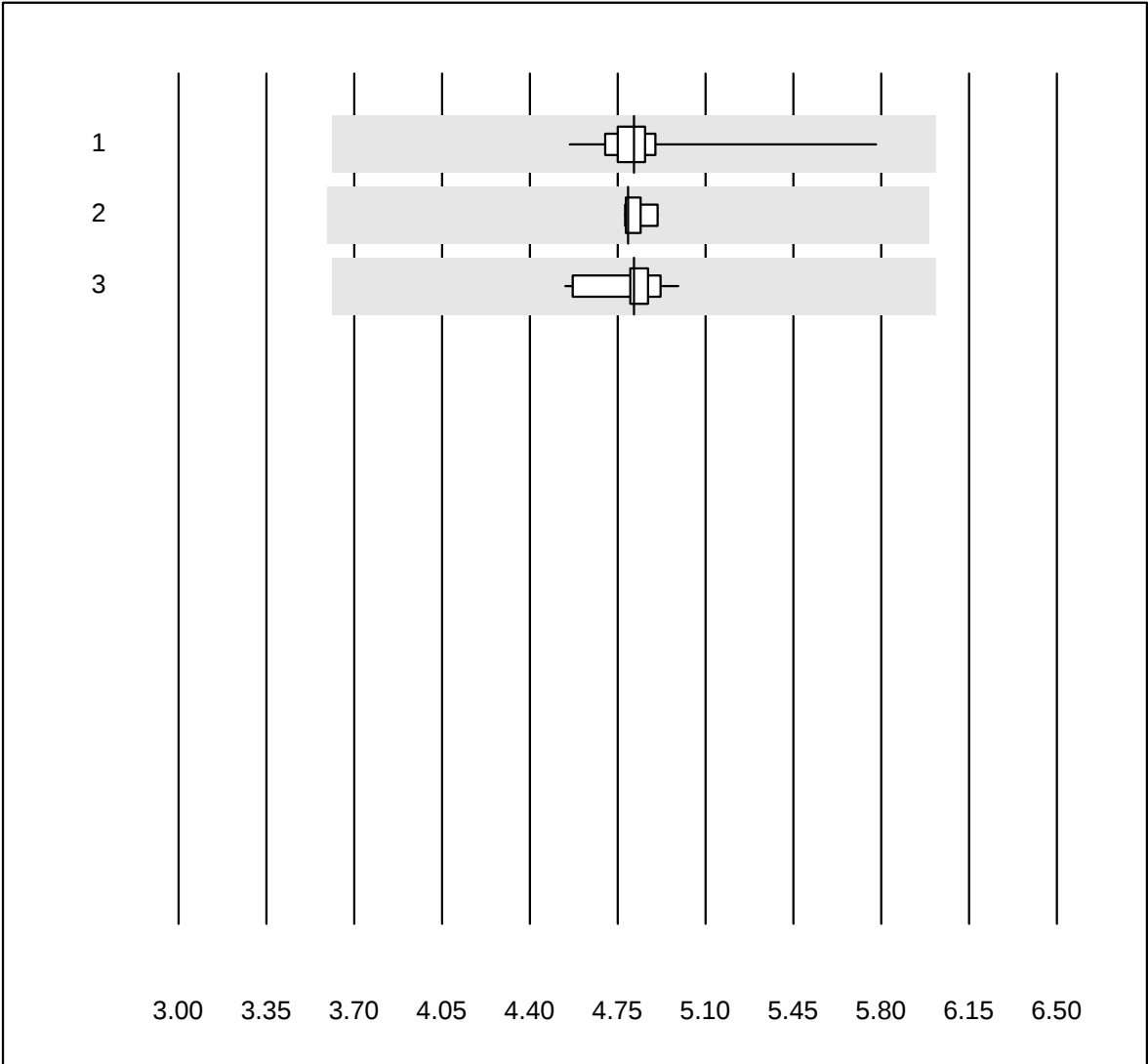
QUALAB tolerance : 9 %

Hematocrit (l/l)

| No. Methode |                | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-------------|----------------|-------|-------|-----------|-----------|--------|-----|------|
| 1           | Sysmex         | 121   | 97.5  | 1.7       | 0.8       | 0.42   | 3.3 | e    |
| 2           | Beckman        | 5     | 100.0 | 0.0       | 0.0       | 0.41   | 2.1 | e    |
| 3           | Yumizen/Pentra | 13    | 100.0 | 0.0       | 0.0       | 0.41   | 3.4 | e    |

3 additional results were submitted but not published because the method groups were too small. (< results per group)

Erythrocytes



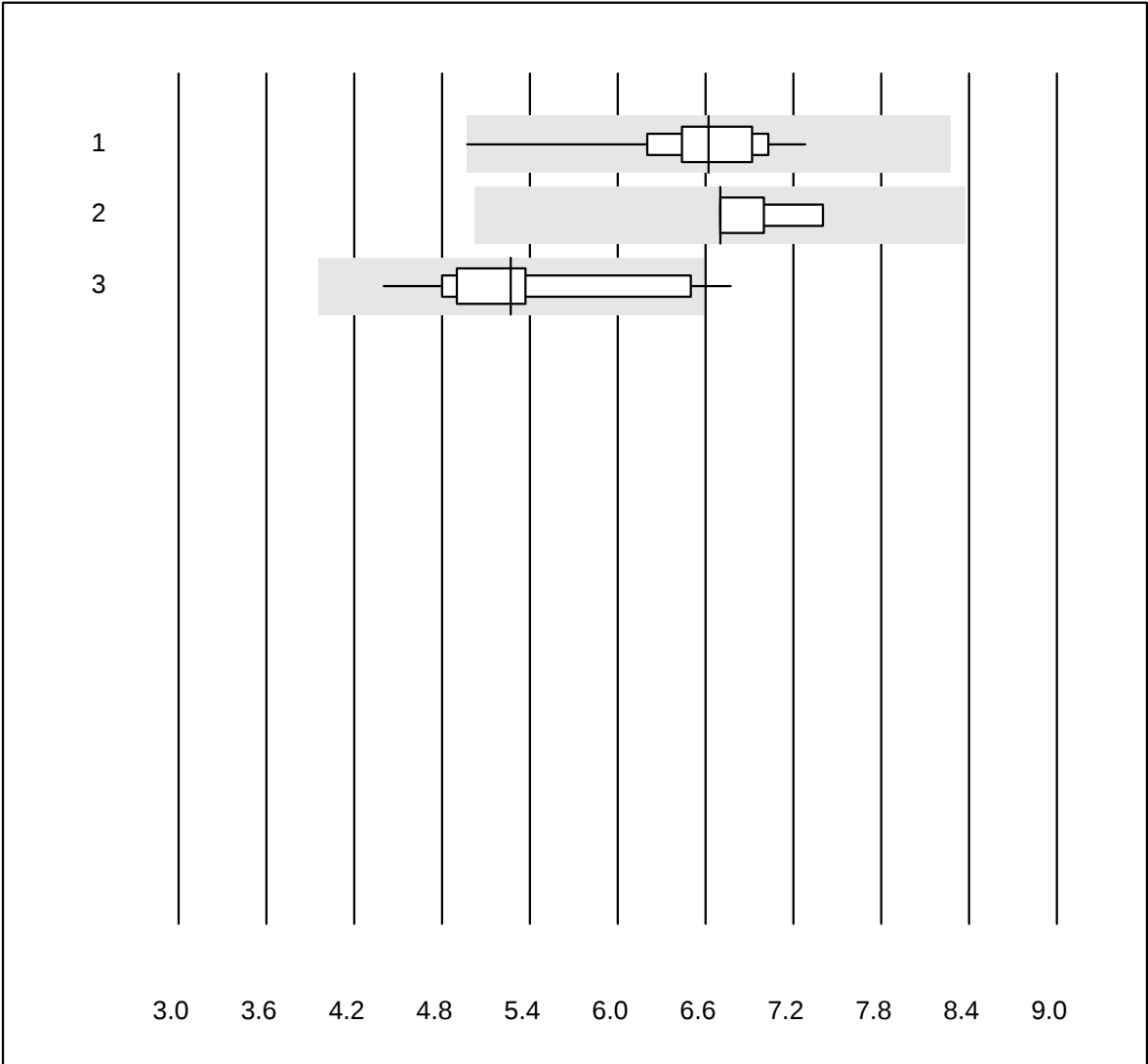
QUALAB tolerance : 25 %

Erythrocytes (T/l)

| No. | Methode        | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|----------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Sysmex         | 122   | 100.0 | 0.0       | 0.0       | 4.81   | 2.6 | e    |
| 2   | Beckman        | 5     | 100.0 | 0.0       | 0.0       | 4.79   | 1.2 | e    |
| 3   | Yumizen/Pentra | 13    | 100.0 | 0.0       | 0.0       | 4.81   | 2.6 | e    |

3 additional results were submitted but not published because the method groups were too small. (< results per group)

Leucocytes



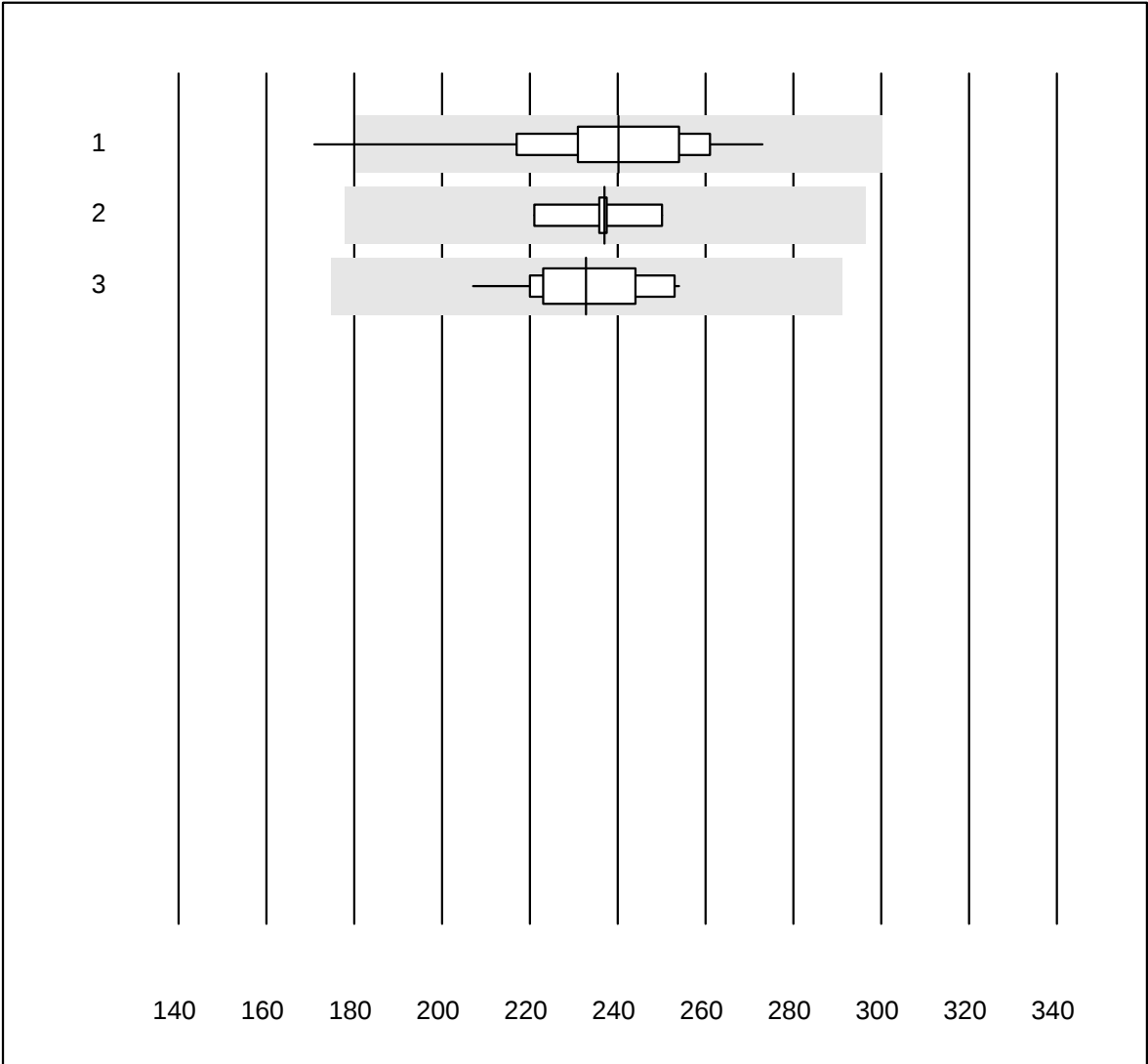
QUALAB tolerance : 25 %

Leucocytes (G/l)

| No. | Methode        | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----|----------------|-------|-------|-----------|-----------|--------|------|------|
| 1   | Sysmex         | 121   | 100.0 | 0.0       | 0.0       | 6.62   | 6.2  | e    |
| 2   | Beckman        | 5     | 80.0  | 0.0       | 20.0      | 6.70   | 4.8  | e    |
| 3   | Yumizen/Pentra | 13    | 92.3  | 7.7       | 0.0       | 5.27   | 12.6 | e*   |

3 additional results were submitted but not published because the method groups were too small. (< results per group)

Thrombocytes



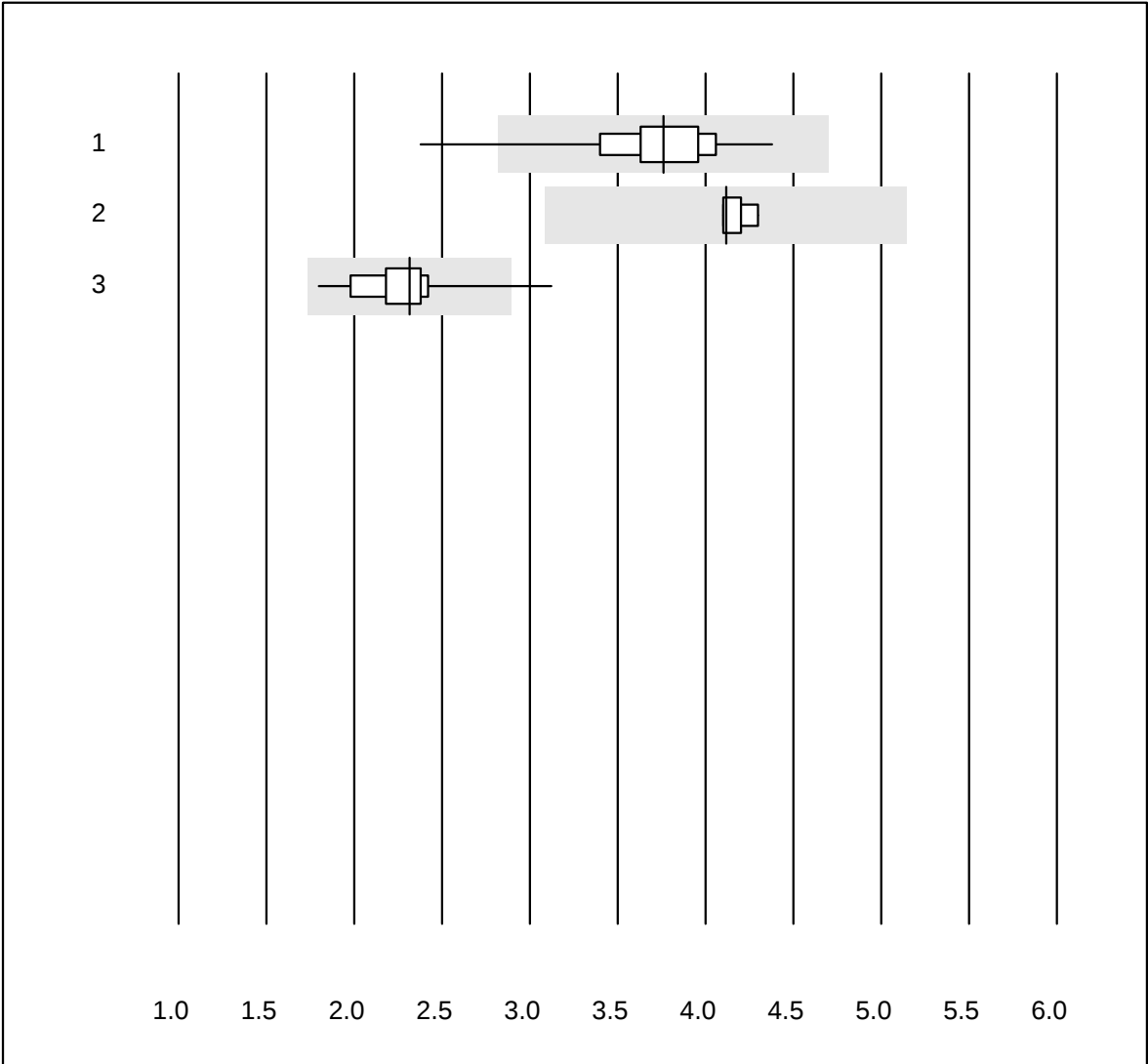
QUALAB tolerance : 25 %

Thrombocytes (G/l)

| No.Methode |                | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|----------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Sysmex         | 122   | 98.4  | 0.8       | 0.8       | 240.1  | 7.8 | e    |
| 2          | Beckman        | 5     | 100.0 | 0.0       | 0.0       | 237.0  | 4.4 | e    |
| 3          | Yumizen/Pentra | 13    | 100.0 | 0.0       | 0.0       | 232.8  | 5.8 | e    |

3 additional results were submitted but not published because the method groups were too small. (< results per group)

Neutrophils



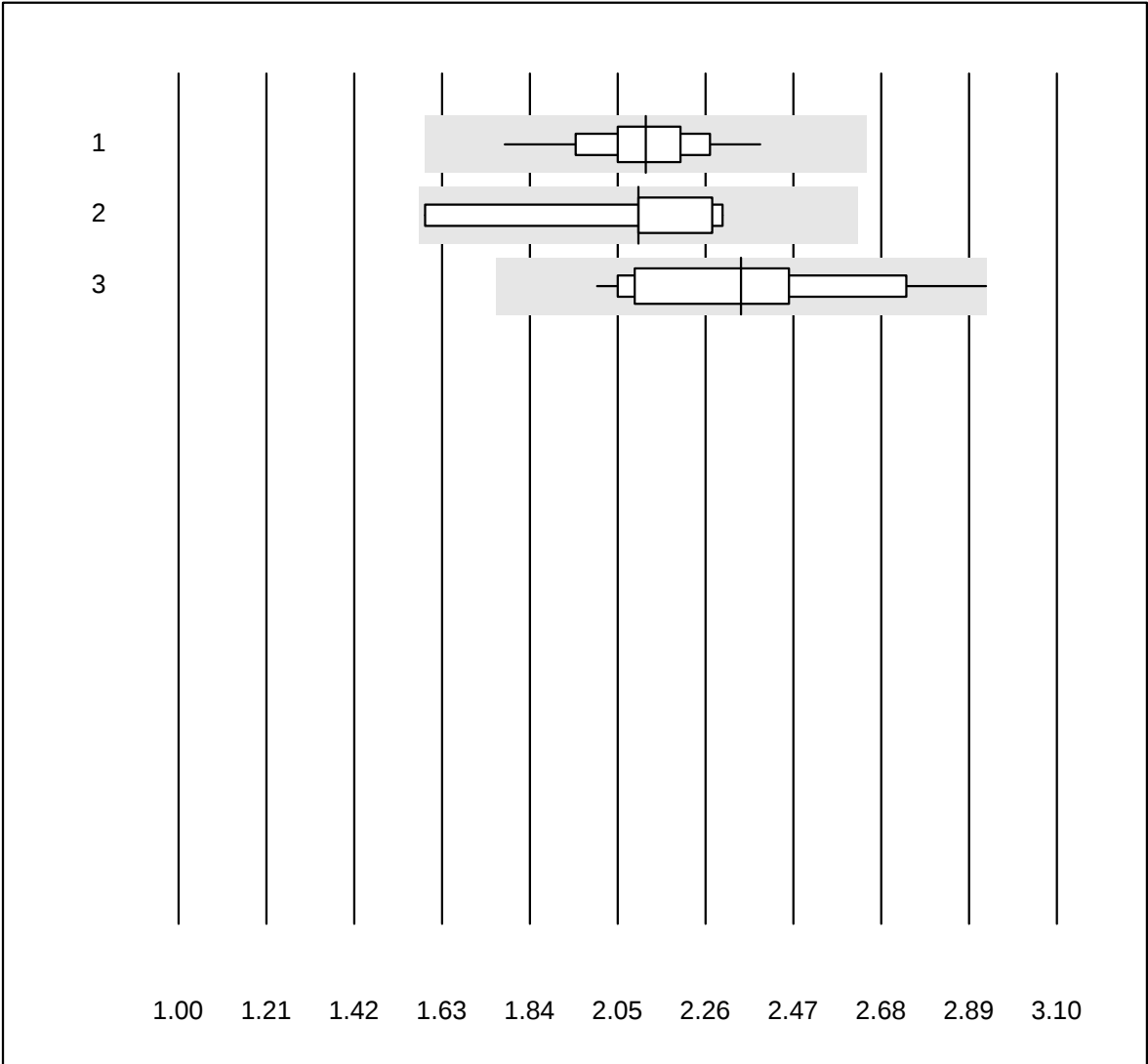
MQ tolerance : 25 %

Neutrophils (G/l)

| No. | Methode        | Total | % OK | % insuff. | % outlier | Target | CV%  | Type |
|-----|----------------|-------|------|-----------|-----------|--------|------|------|
| 1   | Sysmex         | 122   | 97.5 | 2.5       | 0.0       | 3.76   | 8.4  | e    |
| 2   | Beckman        | 5     | 80.0 | 0.0       | 20.0      | 4.12   | 2.2  | e    |
| 3   | Yumizen/Pentra | 12    | 83.4 | 8.3       | 8.3       | 2.32   | 14.2 | e*   |

3 additional results were submitted but not published because the method groups were too small. (< results per group)

Lymphocytes



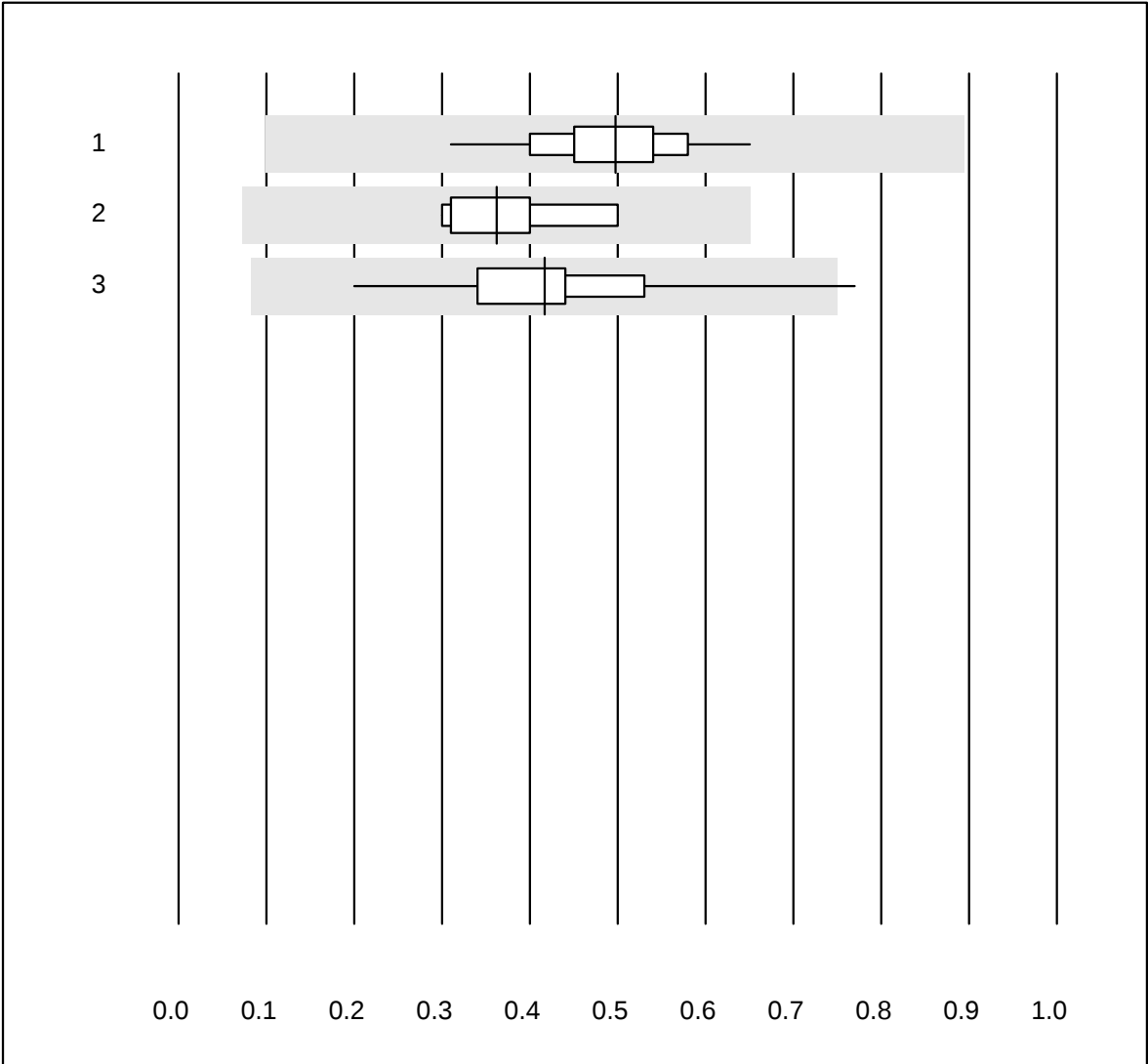
MQ tolerance : 25 %

Lymphocytes (G/l)

| No.Methode |                | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------|----------------|-------|-------|-----------|-----------|--------|------|------|
| 1          | Sysmex         | 122   | 99.2  | 0.0       | 0.8       | 2.12   | 5.8  | e    |
| 2          | Beckman        | 5     | 100.0 | 0.0       | 0.0       | 2.10   | 13.8 | e*   |
| 3          | Yumizen/Pentra | 12    | 100.0 | 0.0       | 0.0       | 2.35   | 12.4 | e*   |

3 additional results were submitted but not published because the method groups were too small. (< results per group)

Monocytes



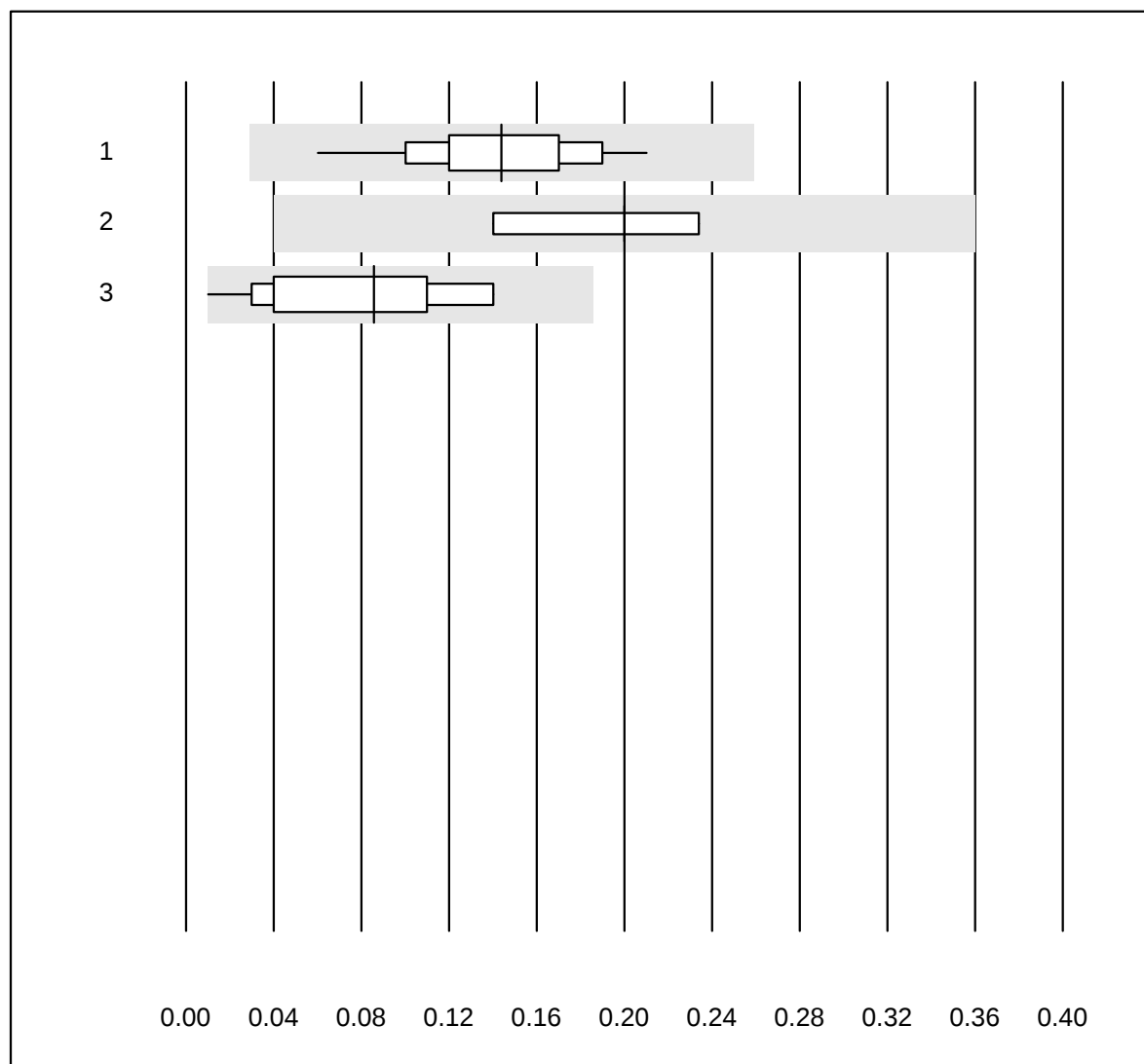
MQ tolerance : 80 %

Monocytes (G/l)

| No. | Methode        | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----|----------------|-------|-------|-----------|-----------|--------|------|------|
| 1   | Sysmex         | 122   | 100.0 | 0.0       | 0.0       | 0.50   | 14.1 | e    |
| 2   | Beckman        | 5     | 100.0 | 0.0       | 0.0       | 0.36   | 21.6 | e*   |
| 3   | Yumizen/Pentra | 12    | 91.7  | 8.3       | 0.0       | 0.42   | 33.2 | e    |

3 additional results were submitted but not published because the method groups were too small. (< results per group)

## Eosinophils



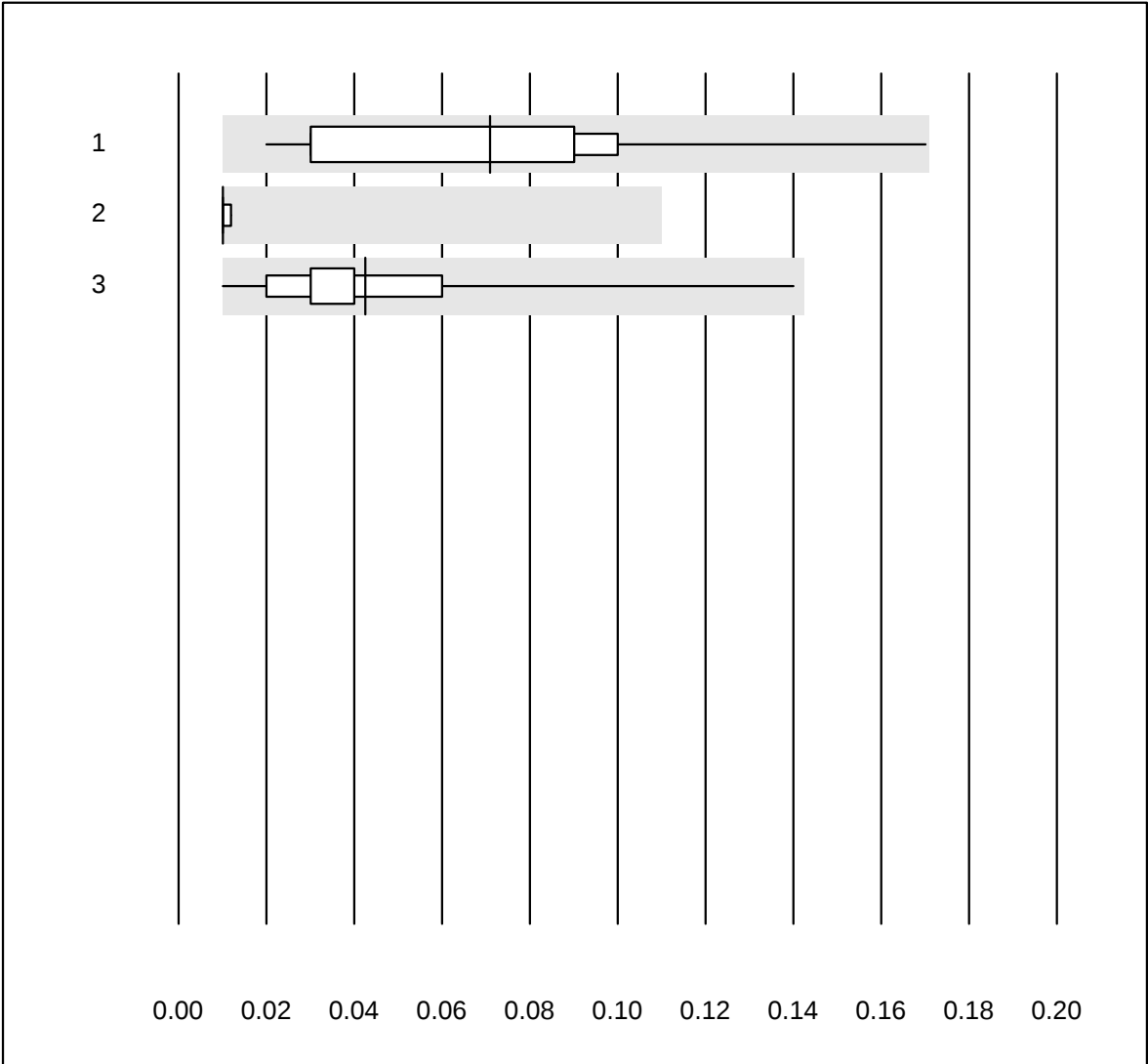
MQ tolerance : 80 %  
( < 0.13: +/- 0.10 G/l)

Eosinophils (G/l)

| No. | Methode        | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----|----------------|-------|-------|-----------|-----------|--------|------|------|
| 1   | Sysmex         | 121   | 100.0 | 0.0       | 0.0       | 0.14   | 23.9 | a    |
| 2   | Beckman        | 5     | 100.0 | 0.0       | 0.0       | 0.20   | 17.4 | e    |
| 3   | Yumizen/Pentra | 12    | 100.0 | 0.0       | 0.0       | 0.09   | 48.3 | e*   |

3 additional results were submitted but not published because the method groups were too small. (< results per group)

Basophiles



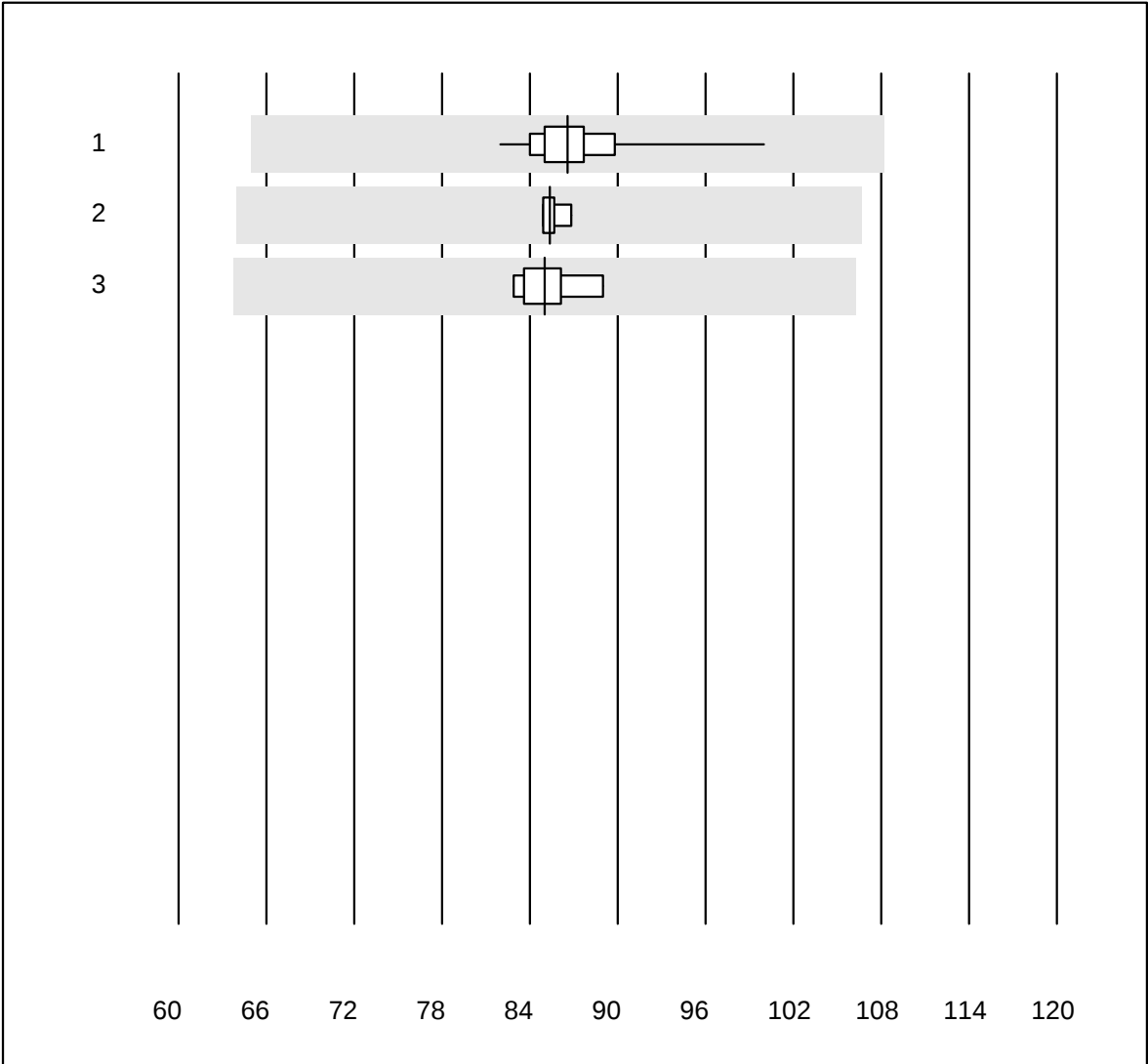
MQ tolerance : 80 %  
( < 0.13: +/- 0.10 G/l)

Basophiles (G/l)

| No.Methode |                | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------|----------------|-------|-------|-----------|-----------|--------|------|------|
| 1          | Sysmex         | 121   | 100.0 | 0.0       | 0.0       | 0.07   | 54.1 | a    |
| 2          | Beckman        | 5     | 100.0 | 0.0       | 0.0       | 0.01   | 8.6  | e    |
| 3          | Yumizen/Pentra | 12    | 100.0 | 0.0       | 0.0       | 0.04   | 78.4 | e*   |

3 additional results were submitted but not published because the method groups were too small. (< results per group)

MCV



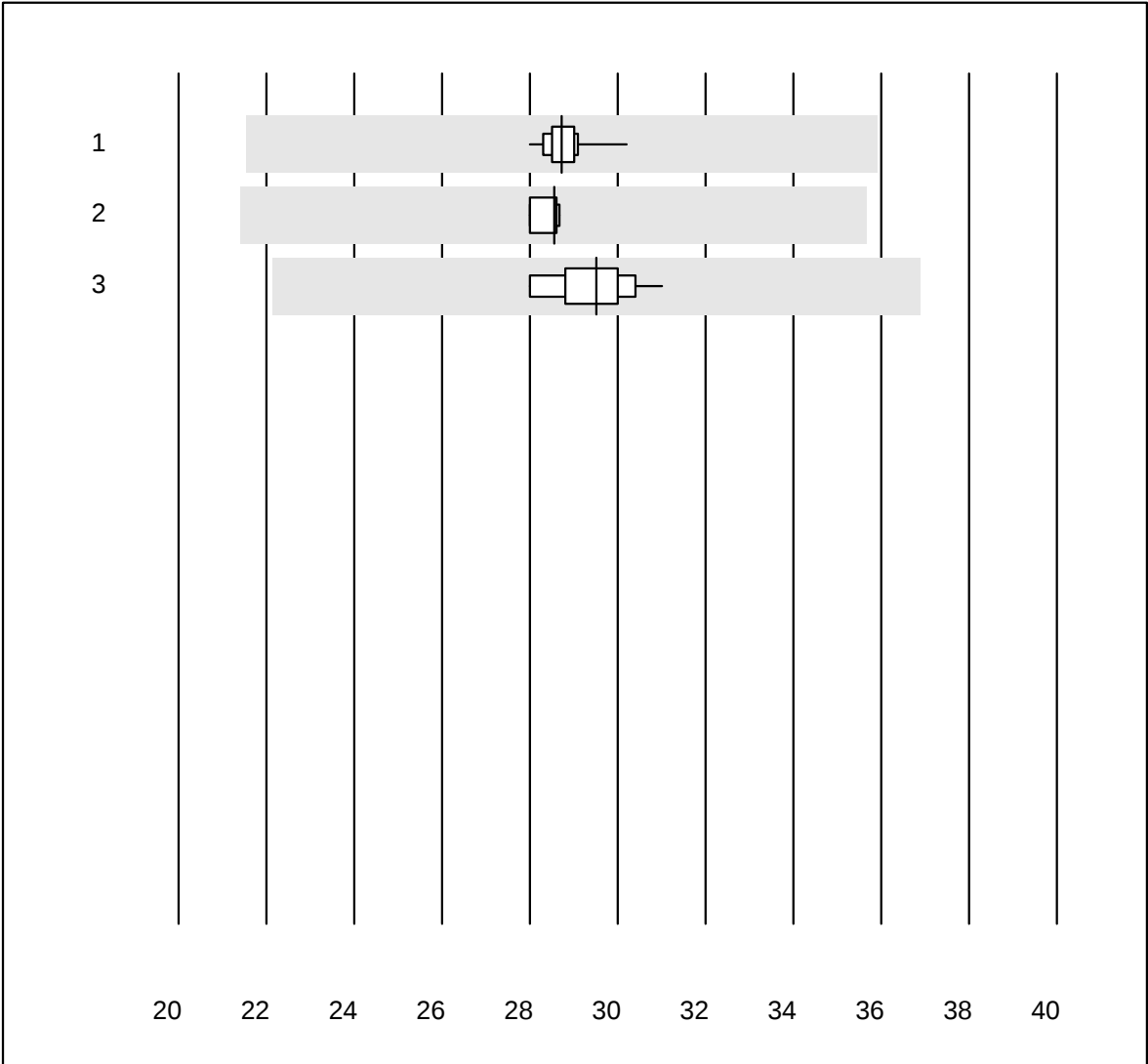
MQ tolerance : 25 %

MCV (fl)

| No. | Methode        | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|----------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Sysmex         | 111   | 100.0 | 0.0       | 0.0       | 86.6   | 2.8 | e    |
| 2   | Beckman        | 4     | 100.0 | 0.0       | 0.0       | 85.3   | 1.0 | e    |
| 3   | Yumizen/Pentra | 9     | 100.0 | 0.0       | 0.0       | 85.0   | 2.6 | e    |

2 additional results were submitted but not published because the method groups were too small. (< results per group)

MCH



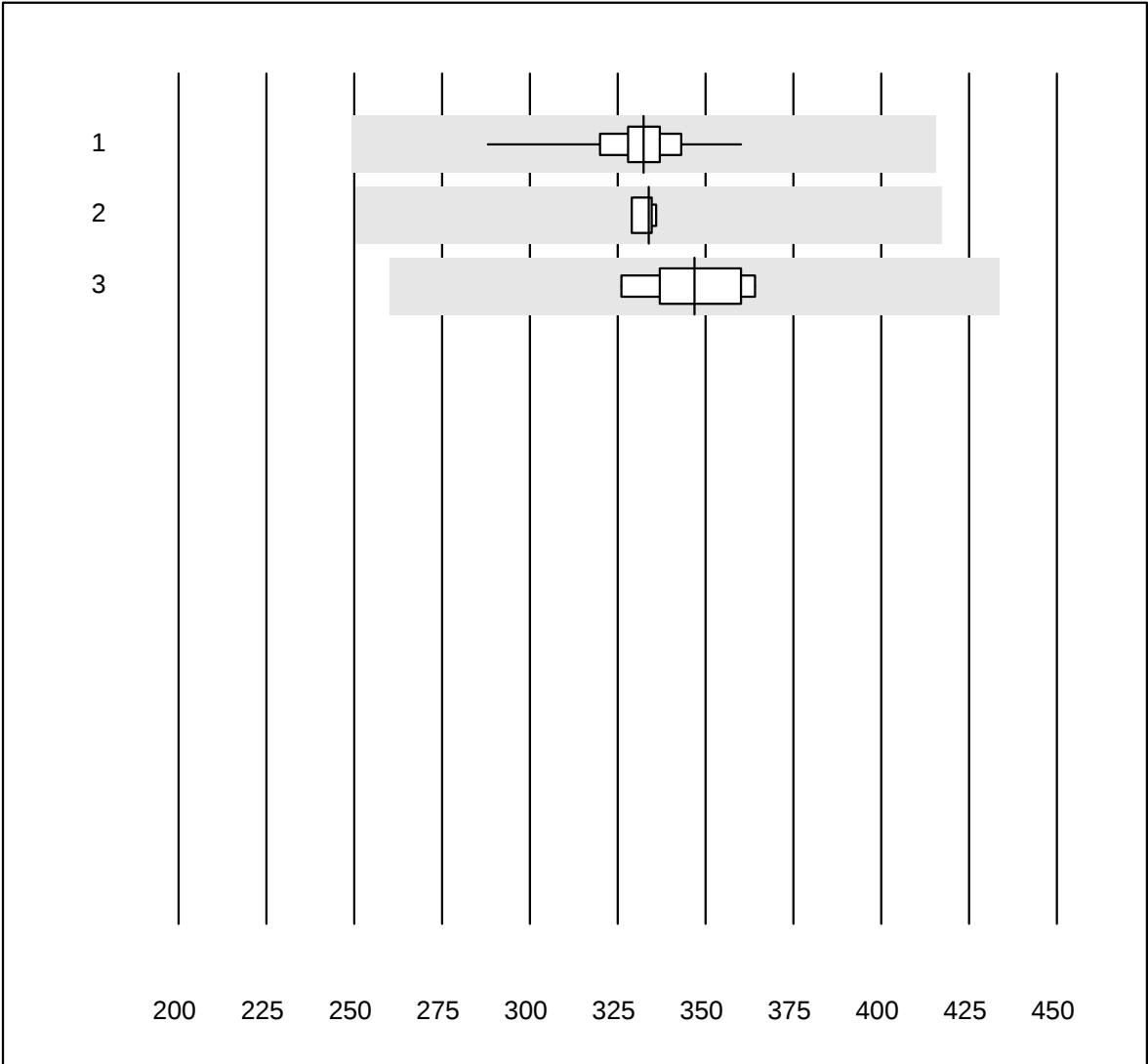
MQ tolerance : 25 %

MCH (pg)

| No.Methode |                | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|----------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Sysmex         | 112   | 100.0 | 0.0       | 0.0       | 28.7   | 1.3 | e    |
| 2          | Beckman        | 4     | 100.0 | 0.0       | 0.0       | 28.6   | 1.1 | e    |
| 3          | Yumizen/Pentra | 10    | 100.0 | 0.0       | 0.0       | 29.5   | 3.0 | e    |

2 additional results were submitted but not published because the method groups were too small. (< results per group)

MCHC



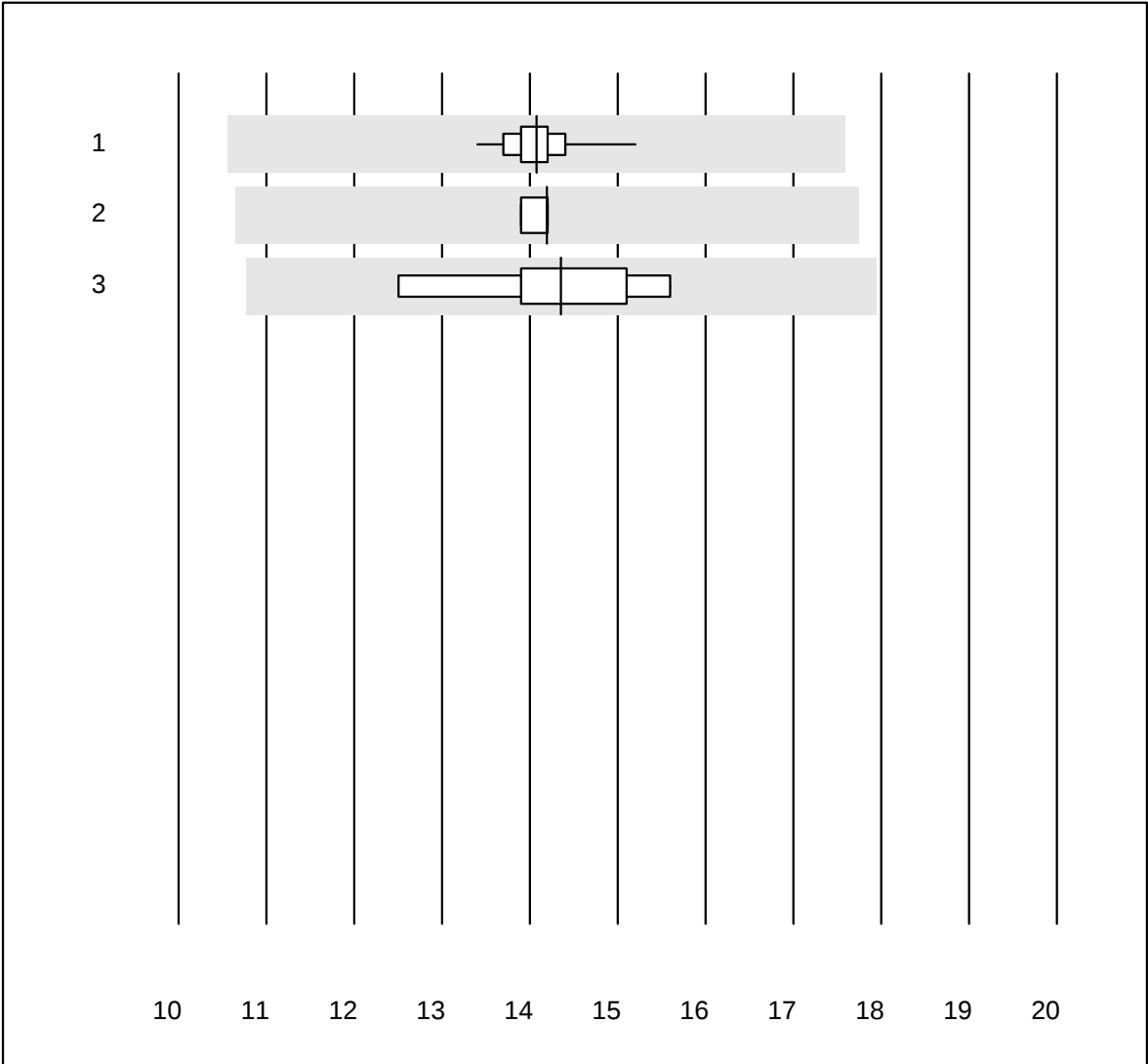
MQ tolerance : 25 %

MCHC (g/l)

| No.Methode |                | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|----------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Sysmex         | 113   | 100.0 | 0.0       | 0.0       | 332    | 3.0 | e    |
| 2          | Beckman        | 4     | 100.0 | 0.0       | 0.0       | 334    | 0.9 | e    |
| 3          | Yumizen/Pentra | 10    | 100.0 | 0.0       | 0.0       | 347    | 4.1 | e    |

2 additional results were submitted but not published because the method groups were too small. (< results per group)

RDW



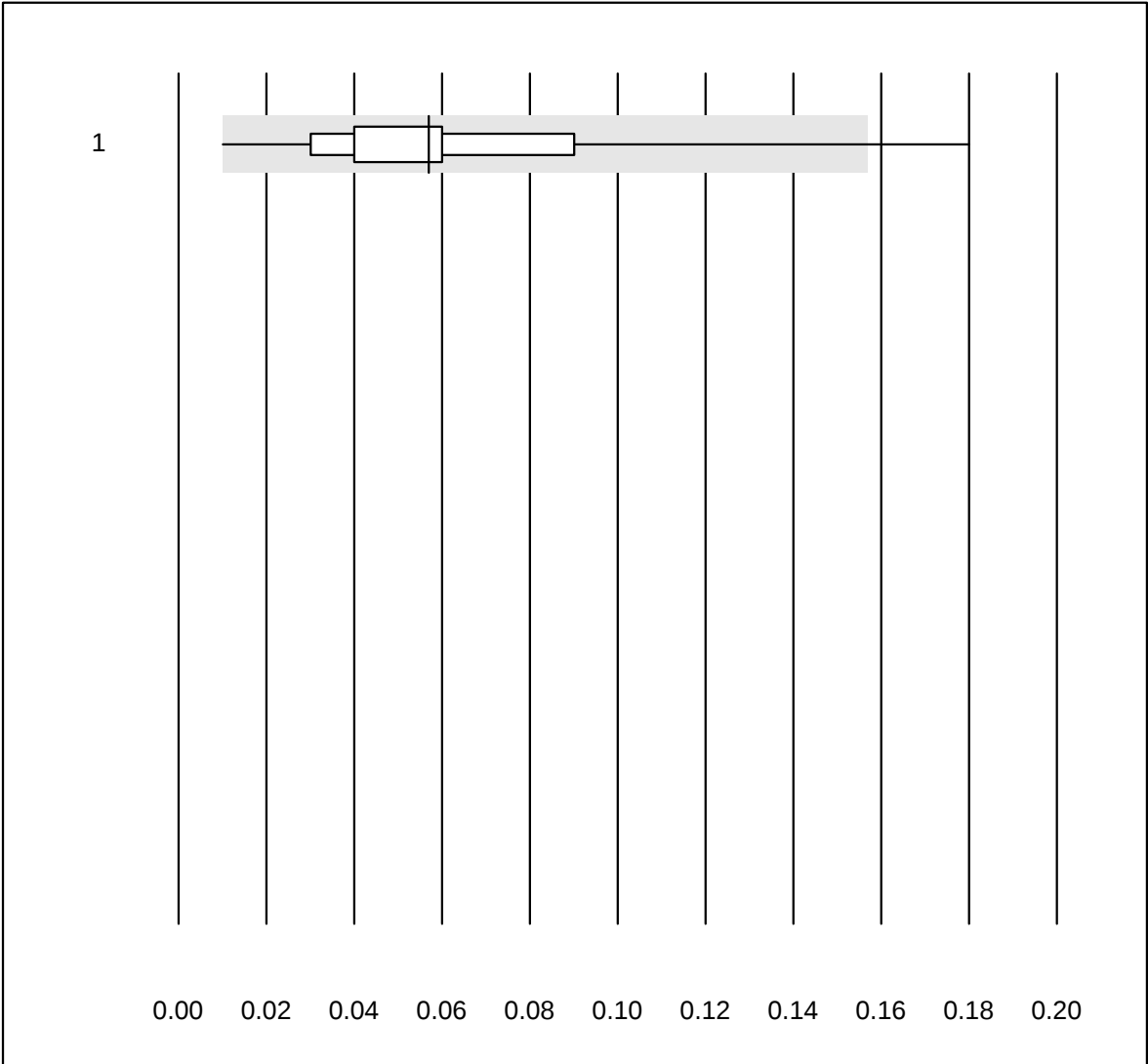
MQ tolerance : 25 %

RDW (%)

| No. | Methode        | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|----------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Sysmex         | 107   | 97.2  | 0.0       | 2.8       | 14.1   | 2.1 | e    |
| 2   | Beckman        | 4     | 100.0 | 0.0       | 0.0       | 14.2   | 1.1 | e    |
| 3   | Yumizen/Pentra | 10    | 100.0 | 0.0       | 0.0       | 14.4   | 7.7 | e    |

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Immature Granulocytes

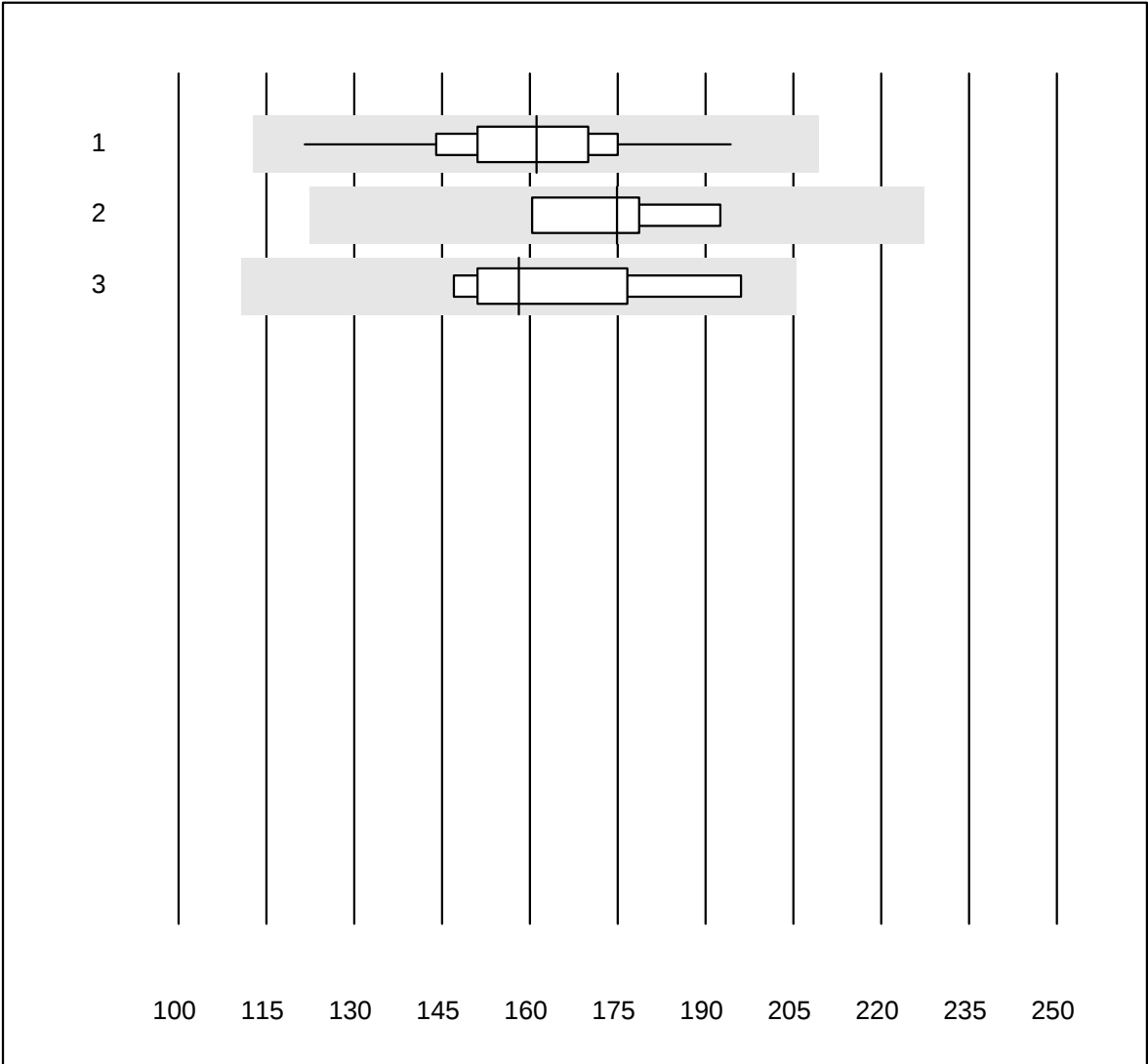


MQ tolerance : 25 %  
( < 1.30: +/- 0.10 G/l)

Immature Granulocytes (G/l)

| No.Methode |        | Total | % OK | % insuff. | % outlier | Target | CV%  | Type |
|------------|--------|-------|------|-----------|-----------|--------|------|------|
| 1          | Sysmex | 105   | 95.2 | 1.0       | 3.8       | 0.06   | 46.0 | e*   |

Reticulocytes

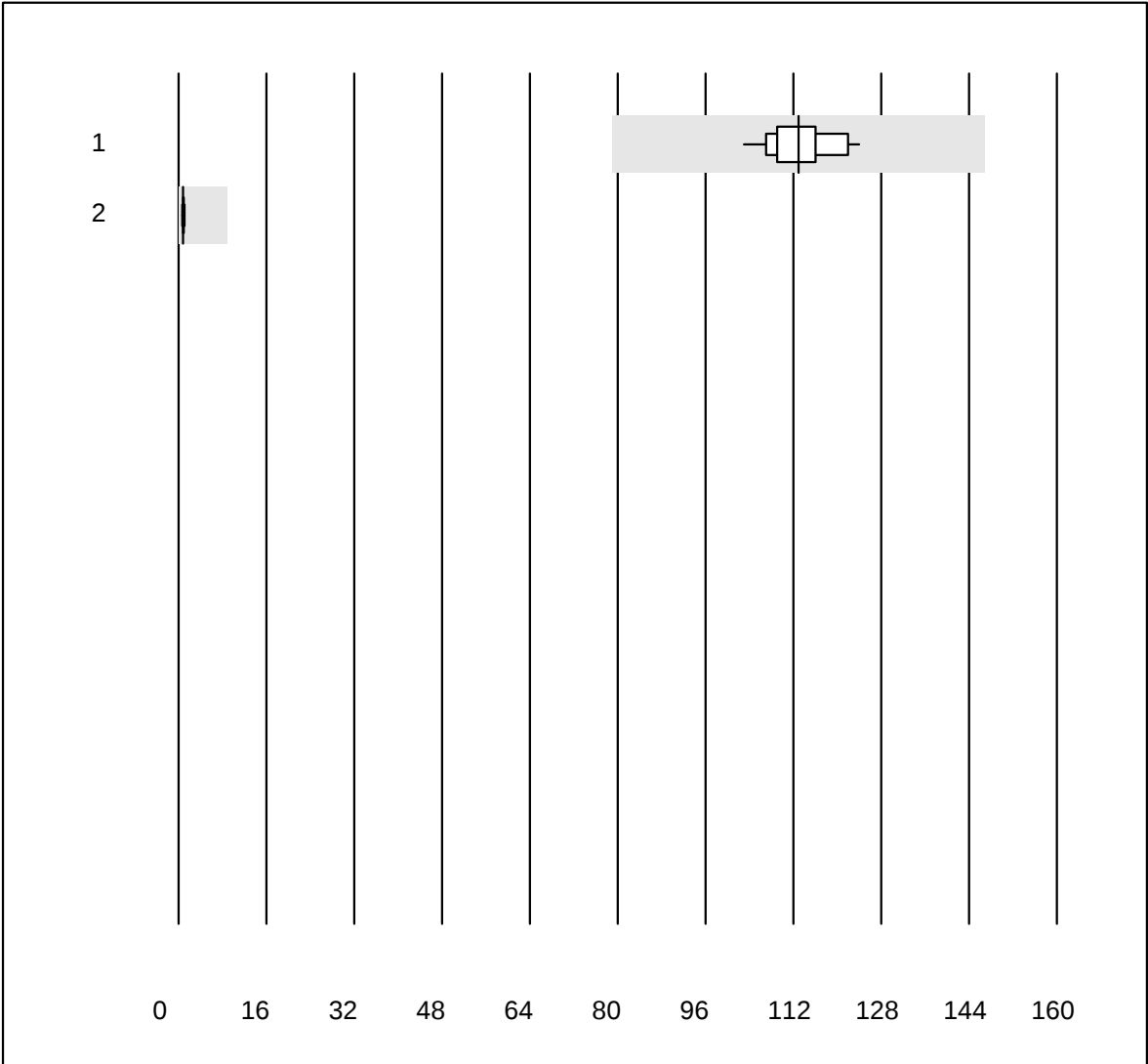


MQ tolerance : 30 %

Reticulocytes (G/l)

| No.Methode |         | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------|---------|-------|-------|-----------|-----------|--------|------|------|
| 1          | Sysmex  | 67    | 98.5  | 0.0       | 1.5       | 161.1  | 9.6  | e    |
| 2          | Advia   | 4     | 100.0 | 0.0       | 0.0       | 174.9  | 7.7  | e*   |
| 3          | Beckman | 5     | 100.0 | 0.0       | 0.0       | 158.1  | 12.3 | e*   |

Hämolyseindex Probe A

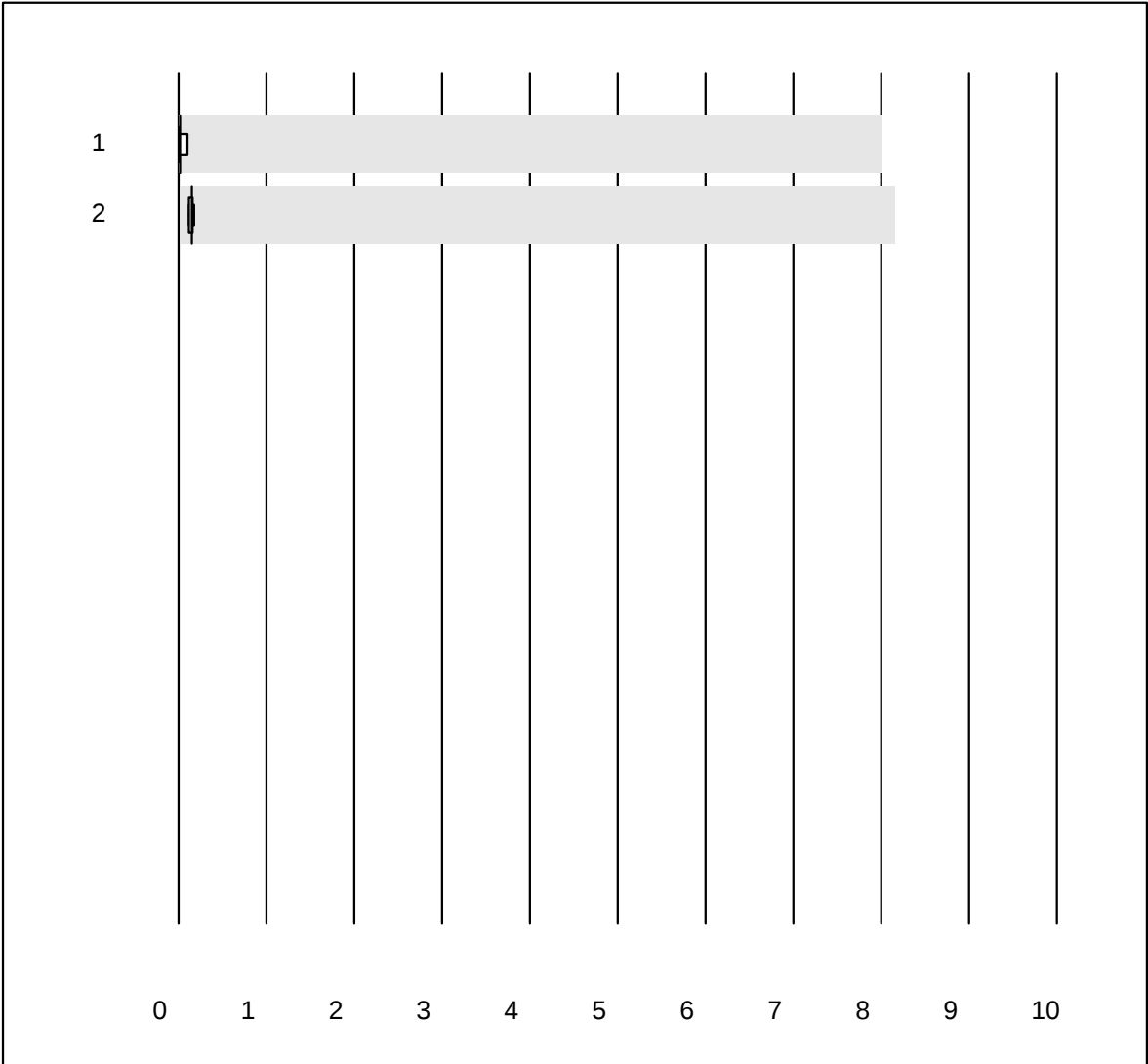


MQ tolerance : 30 % Hämolyseindex Probe A (Index (mg/))  
( < 20.000: +/- 8.000 Index (mg/))

| No.Methode |              | Total | % OK  | % insuff. | % outlier | Target  | CV%  | Type |
|------------|--------------|-------|-------|-----------|-----------|---------|------|------|
| 1          | Roche, Cobas | 24    | 95.8  | 0.0       | 4.2       | 112.913 | 5.0  | e    |
| 2          | Abbott       | 7     | 100.0 | 0.0       | 0.0       | 0.850   | 14.6 | e*   |

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Hämolyseindex Probe B

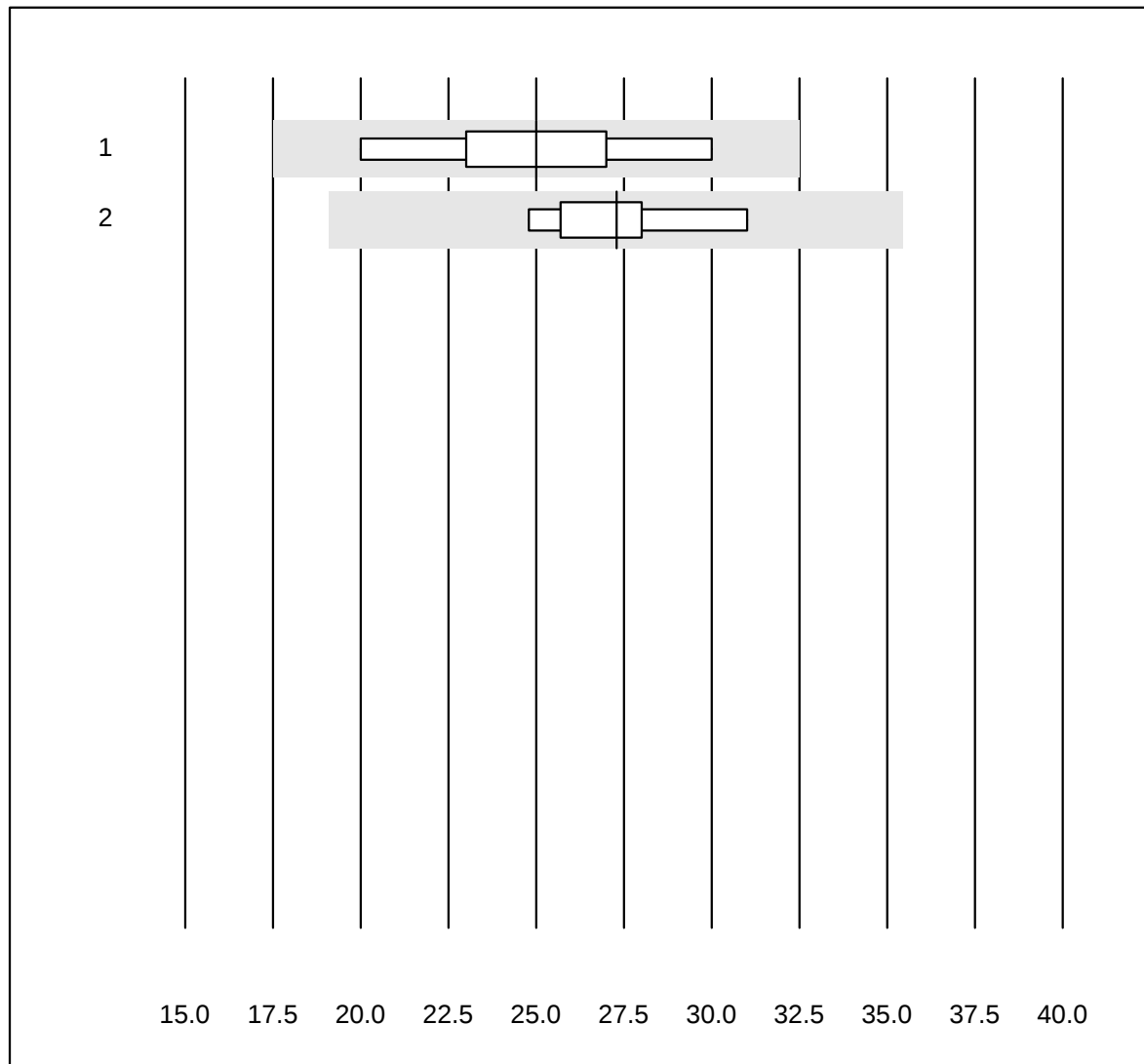


MQ tolerance : 30 % Hämolyseindex Probe B (Index (mg/))  
( < 20.000: +/- 8.000 Index (mg/))

| No.Methode |              | Total | % OK  | % insuff. | % outlier | Target | CV%   | Type |
|------------|--------------|-------|-------|-----------|-----------|--------|-------|------|
| 1          | Roche, Cobas | 20    | 95.0  | 0.0       | 5.0       | 0.020  | 145.7 | e*   |
| 2          | Abbott       | 7     | 100.0 | 0.0       | 0.0       | 0.150  | 14.7  | e*   |

2 additional results were submitted but not published because the method groups were too small. (< results per group)

## Lipemia index A



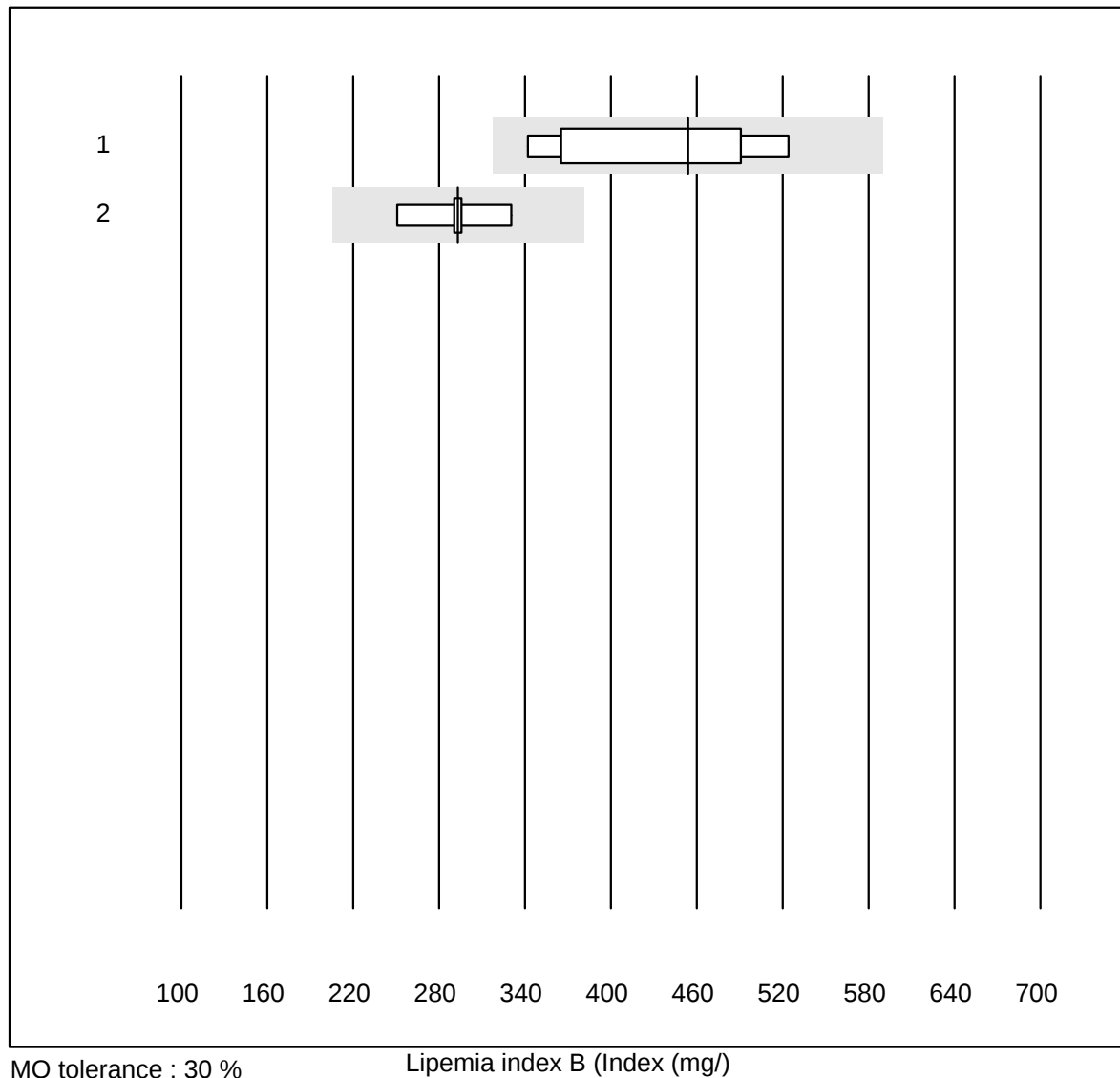
MQ tolerance : 30 %

Lipemia index A (Index (mg/))

| No. | Methode | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----|---------|-------|-------|-----------|-----------|--------|------|------|
| 1   | Cobas   | 9     | 100.0 | 0.0       | 0.0       | 25.00  | 12.3 | e*   |
| 2   | Abbott  | 6     | 83.3  | 0.0       | 16.7      | 27.29  | 8.9  | e*   |

One result was submitted but not published because the method group was too small. (< 4 results per group)

## Lipemia index B



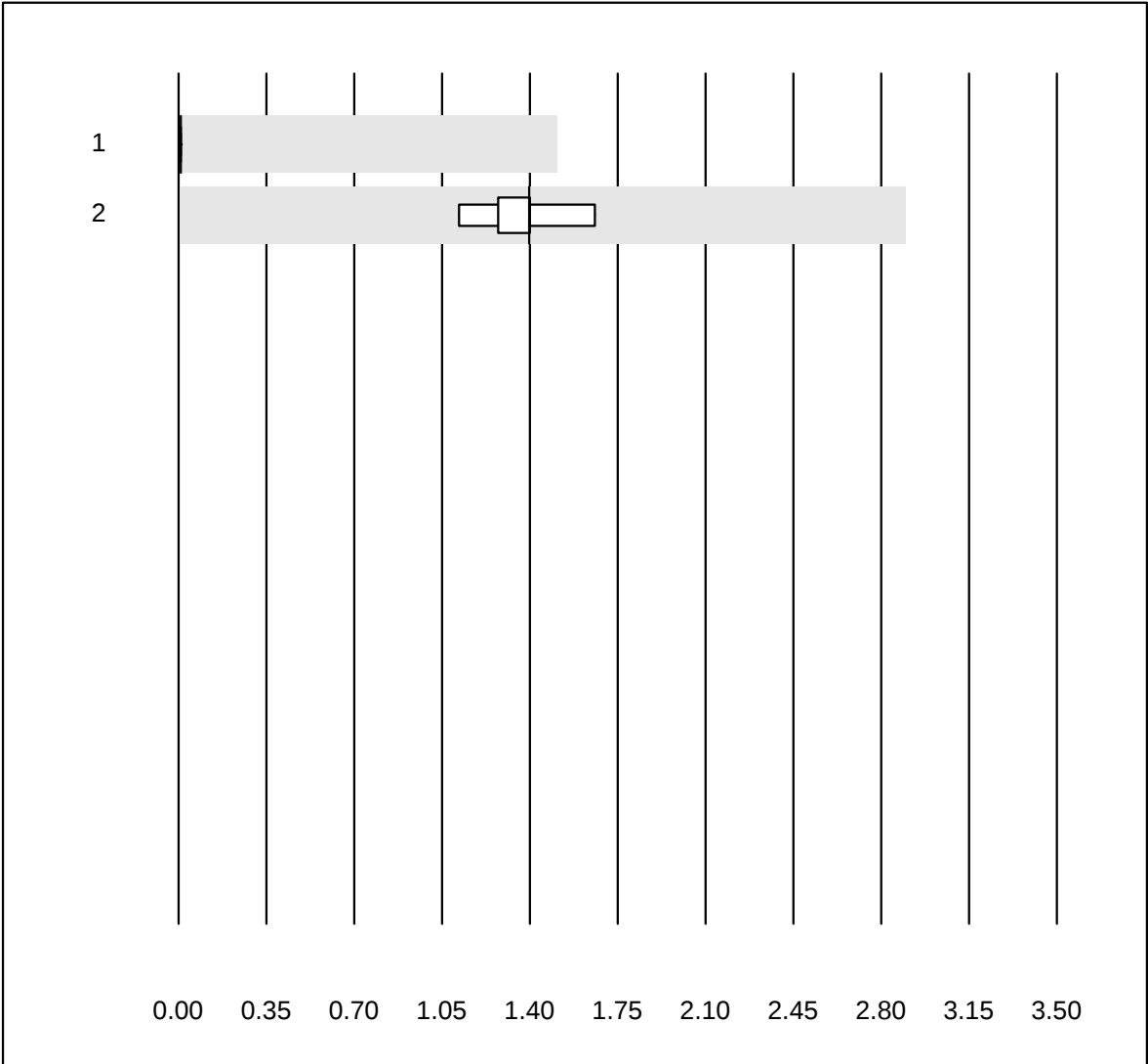
MQ tolerance : 30 %

Lipemia index B (Index (mg/))

| No. | Methode | Total | % OK | % insuff. | % outlier | Target | CV%  | Type |
|-----|---------|-------|------|-----------|-----------|--------|------|------|
| 1   | Cobas   | 9     | 88.9 | 0.0       | 11.1      | 454.00 | 16.3 | e*   |
| 2   | Abbott  | 6     | 83.3 | 0.0       | 16.7      | 293.17 | 9.7  | e*   |

One result was submitted but not published because the method group was too small. (< 4 results per group)

Icteria Index A



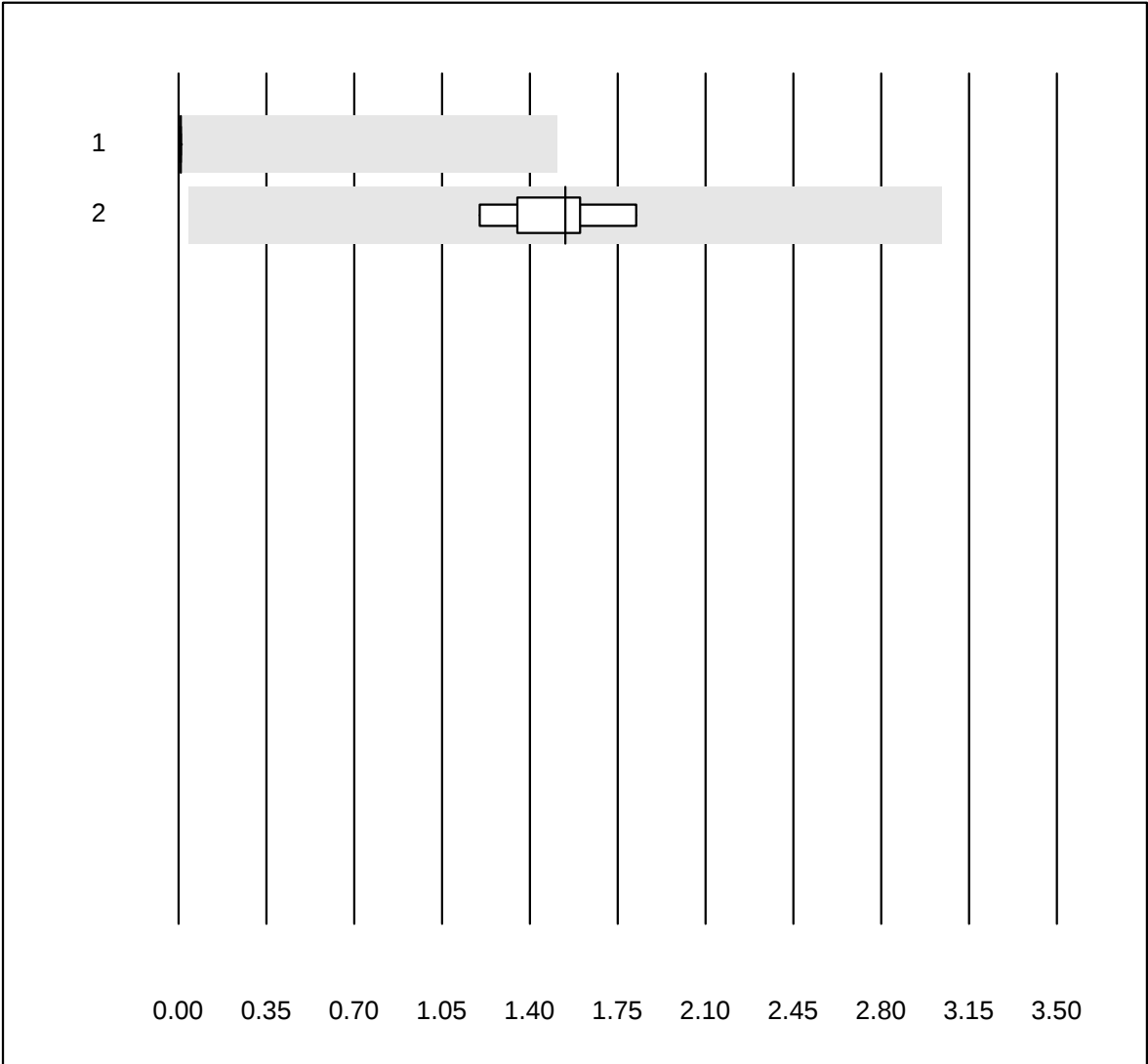
MQ tolerance : 30 %  
( < 5.00: +/- 1.50 Index (mg/)

Icteria Index A (Index (mg/)

| No.Methode |        | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------|--------|-------|-------|-----------|-----------|--------|------|------|
| 1          | Cobas  | 8     | 100.0 | 0.0       | 0.0       | 0.01   | 0.0  | e    |
| 2          | Abbott | 6     | 100.0 | 0.0       | 0.0       | 1.40   | 13.0 | e*   |

One result was submitted but not published because the method group was too small. (< 4 results per group)

Icteria Index B

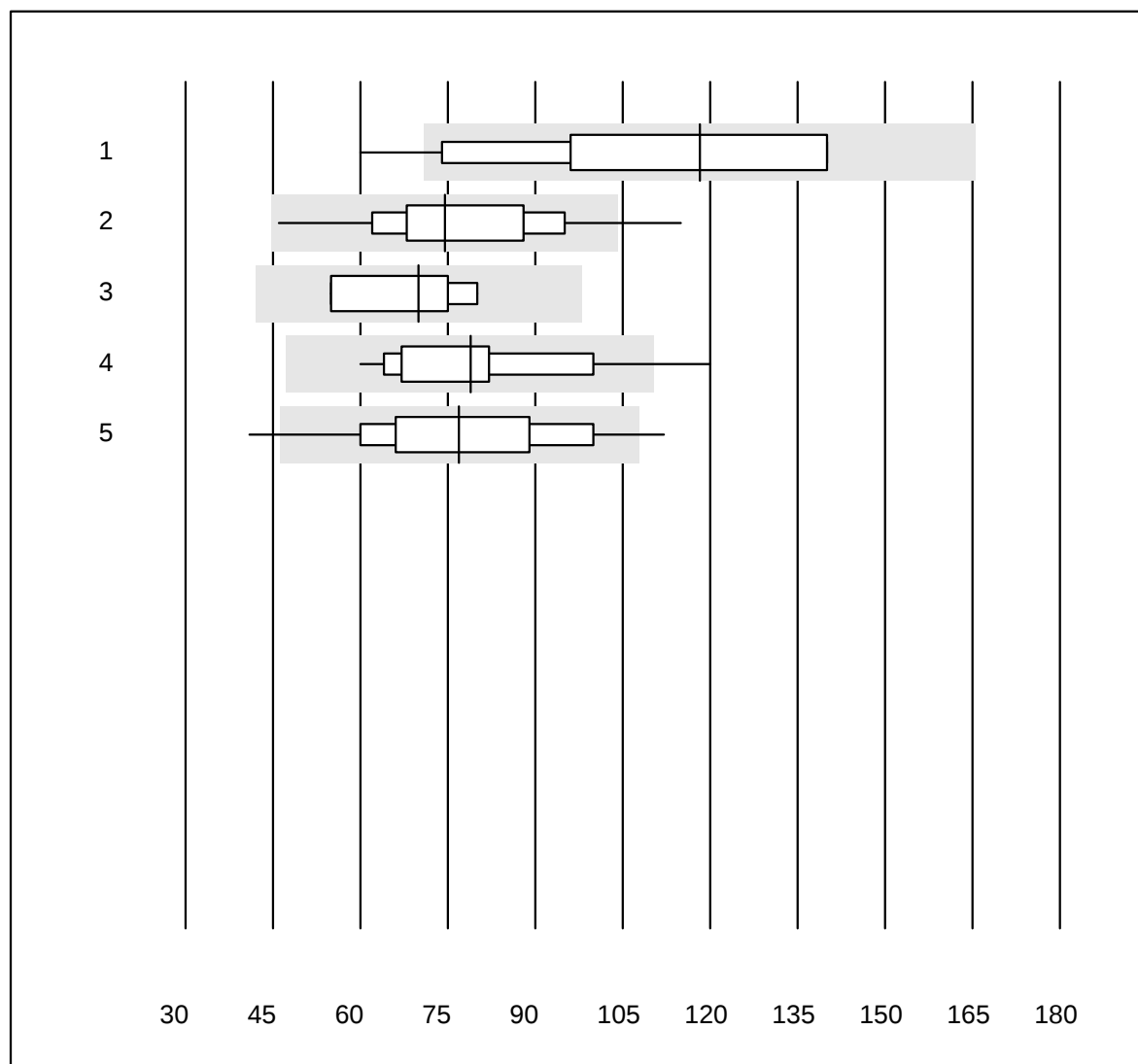


MQ tolerance : 30 %  
( < 5.00: +/- 1.50 Index (mg/))

| No.Methode |        | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------|--------|-------|-------|-----------|-----------|--------|------|------|
| 1          | Cobas  | 8     | 100.0 | 0.0       | 0.0       | 0.01   | 0.0  | e    |
| 2          | Abbott | 6     | 100.0 | 0.0       | 0.0       | 1.54   | 14.3 | e*   |

One result was submitted but not published because the method group was too small. (< 4 results per group)

## Erythrocyte sedimentation rate 1h

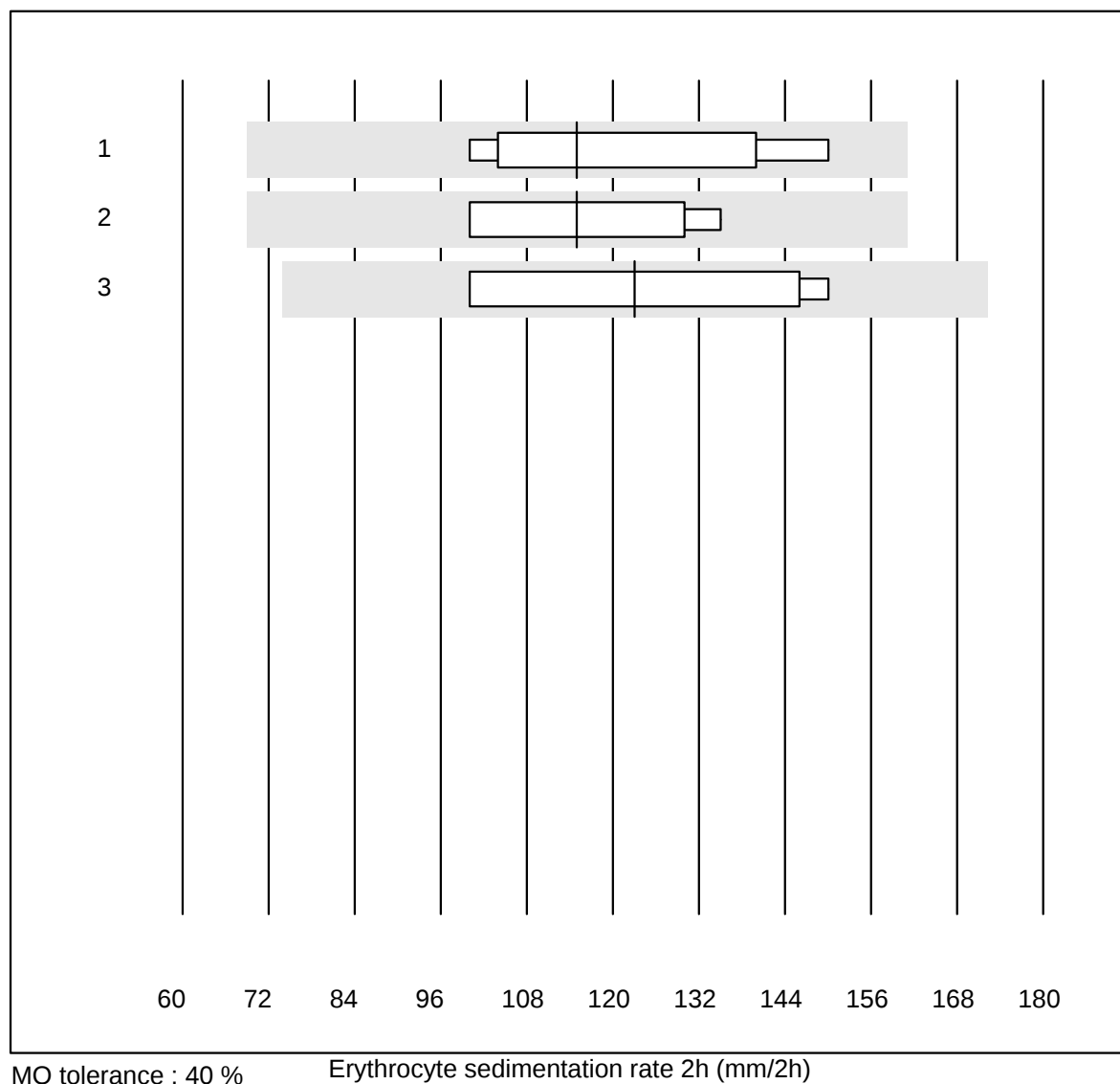


MQ tolerance : 40 %

Erythrocyte sedimentation rate 1h (mm/h)

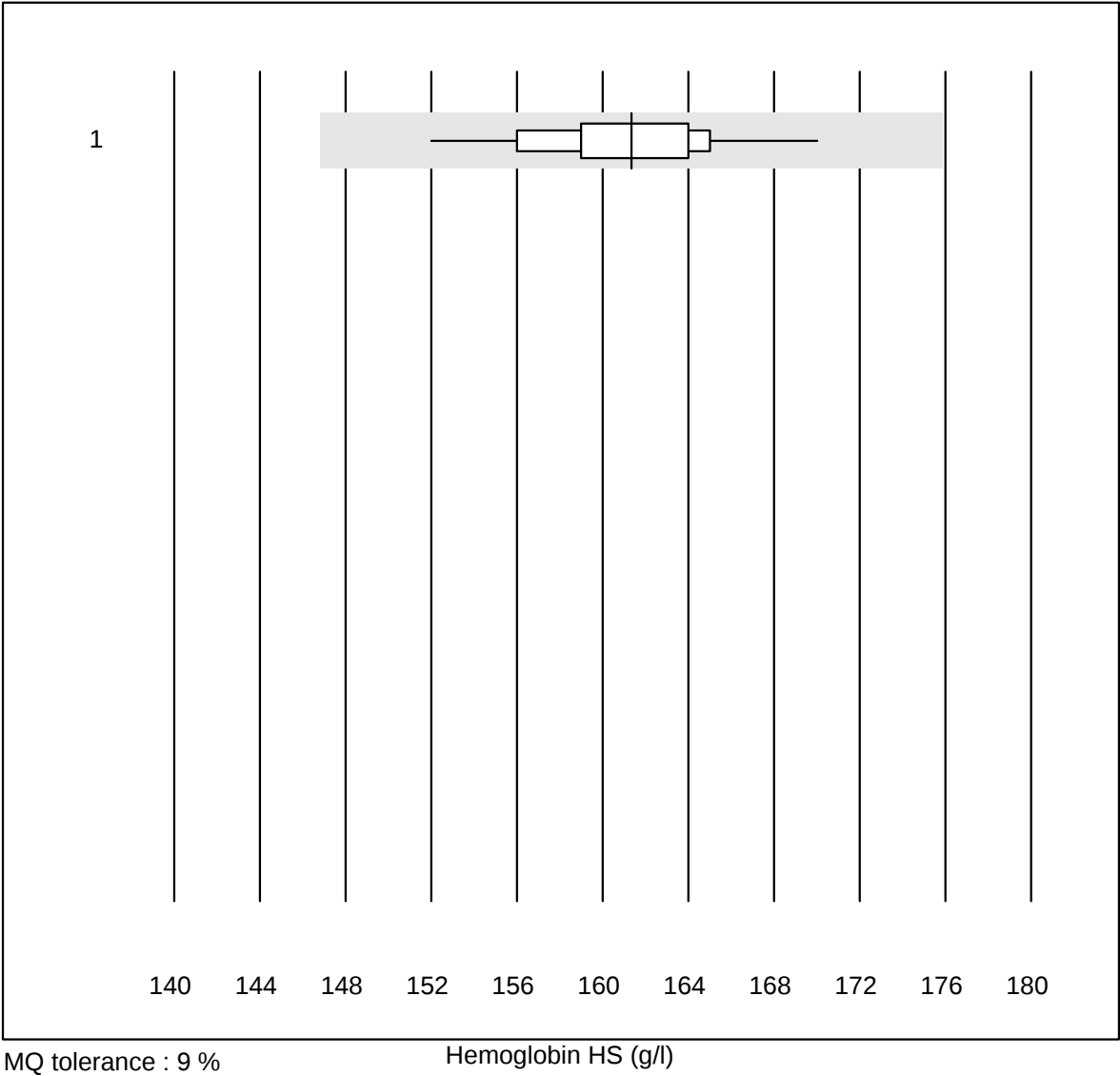
| No. | Methode             | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----|---------------------|-------|-------|-----------|-----------|--------|------|------|
| 1   | MINI-CUBE           | 28    | 92.9  | 7.1       | 0.0       | 118    | 23.0 | e    |
| 2   | Sarstedt Sedivette  | 18    | 83.3  | 5.6       | 11.1      | 75     | 20.5 | e*   |
| 3   | Sarstedt Microvette | 4     | 100.0 | 0.0       | 0.0       | 70     | 16.1 | e*   |
| 4   | BD Seditainer       | 42    | 90.4  | 4.8       | 4.8       | 79     | 18.8 | e    |
| 5   | Other methods       | 18    | 88.9  | 11.1      | 0.0       | 77     | 21.2 | e*   |

## Erythrocyte sedimentation rate 2h



| No. | Methode            | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----|--------------------|-------|-------|-----------|-----------|--------|------|------|
| 1   | Sarstedt Sedivette | 6     | 100.0 | 0.0       | 0.0       | 115    | 16.6 | e*   |
| 2   | BD Seditainer      | 4     | 100.0 | 0.0       | 0.0       | 115    | 16.2 | e*   |
| 3   | Other methods      | 4     | 100.0 | 0.0       | 0.0       | 123    | 22.4 | e*   |

Hemoglobin HS

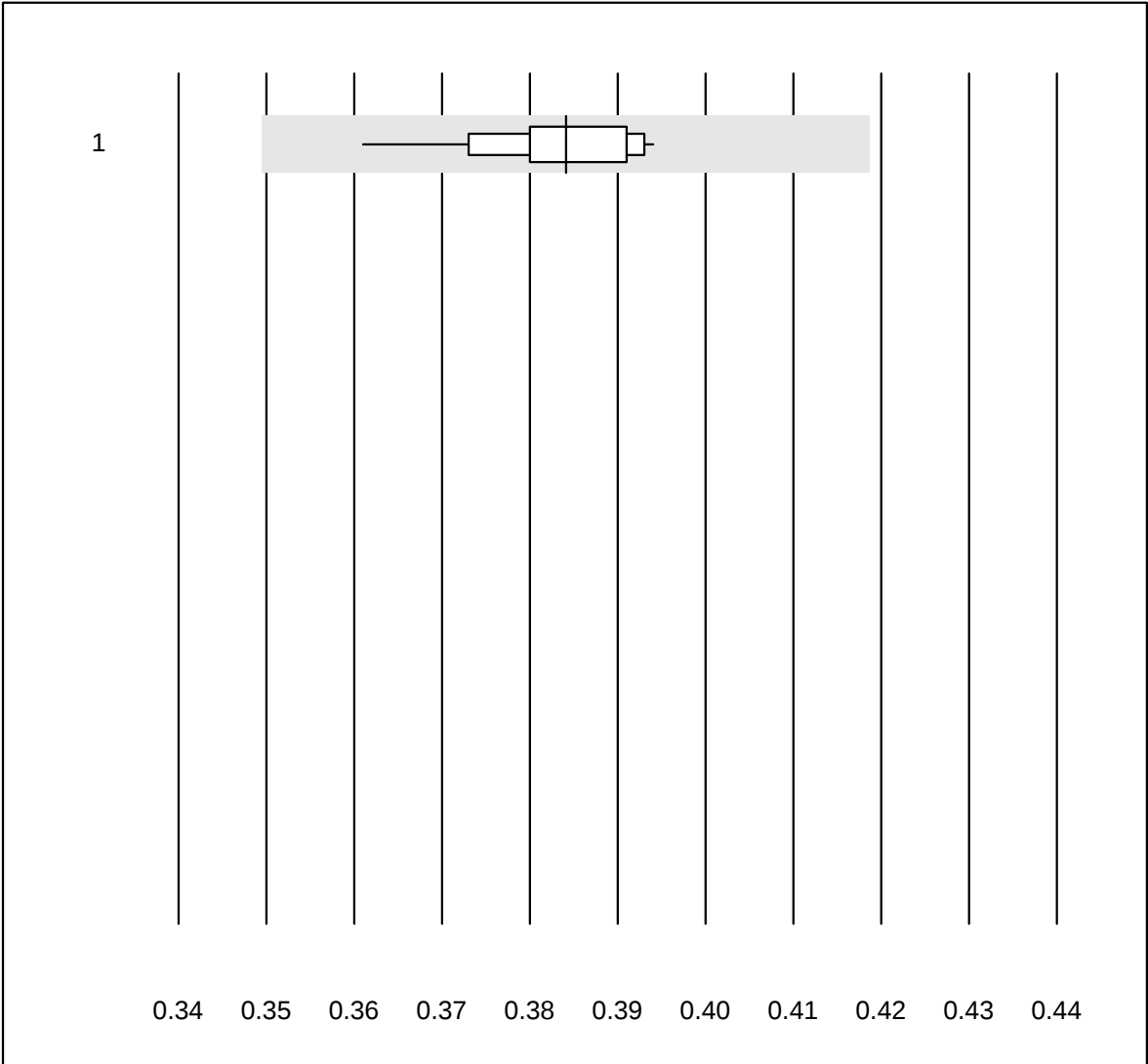


MQ tolerance : 9 %

Hemoglobin HS (g/l)

| No.Methode |                    | Total | % OK | % insuff. | % outlier | Target | CV% | Type |
|------------|--------------------|-------|------|-----------|-----------|--------|-----|------|
| 1          | PixCell HemoScreen | 25    | 60.0 | 0.0       | 40.0      | 161.3  | 2.6 | e    |

Hematocrit HS

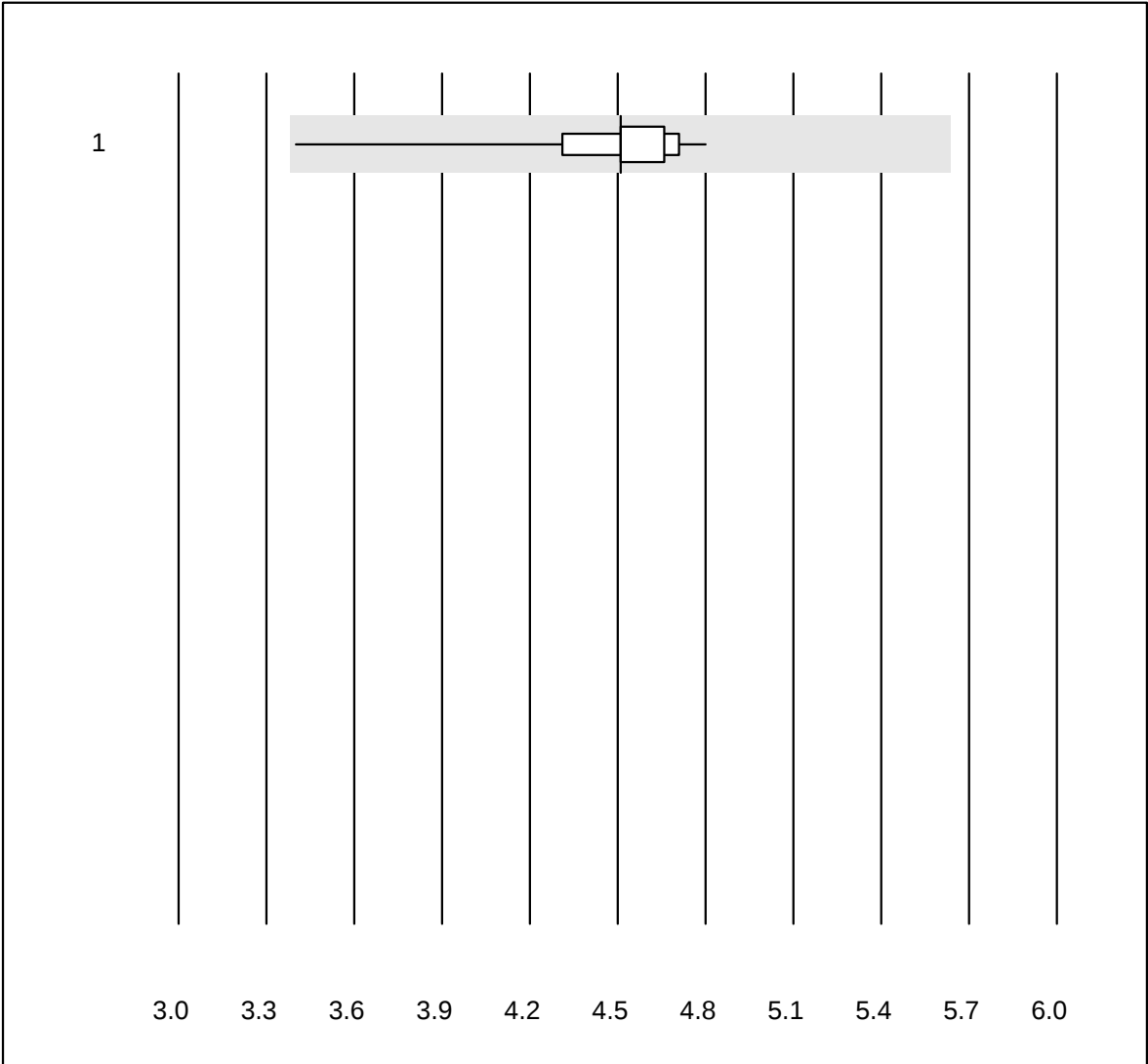


MQ tolerance : 9 %

Hematocrit HS (l/l)

| No.Methode |                    | Total | % OK | % insuff. | % outlier | Target | CV% | Type |
|------------|--------------------|-------|------|-----------|-----------|--------|-----|------|
| 1          | PixCell HemoScreen | 25    | 60.0 | 0.0       | 40.0      | 0.4    | 2.3 | e    |

Erythrocytes HS

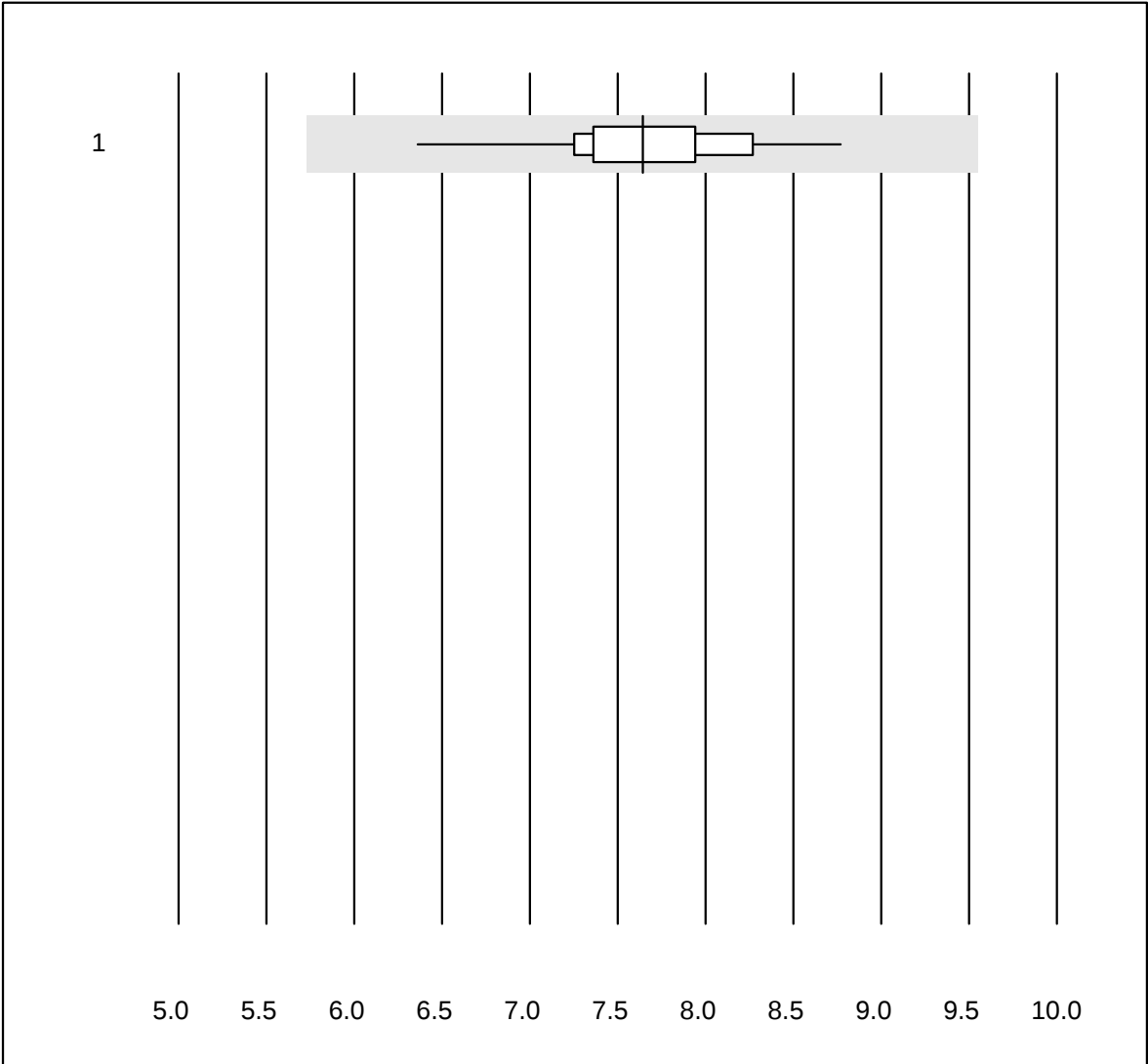


MQ tolerance : 25 %

Erythrocytes HS (T/l)

| No.Methode |                    | Total | % OK | % insuff. | % outlier | Target | CV% | Type |
|------------|--------------------|-------|------|-----------|-----------|--------|-----|------|
| 1          | PixCell HemoScreen | 25    | 60.0 | 0.0       | 40.0      | 4.51   | 7.3 | e    |

Leucocytes HS

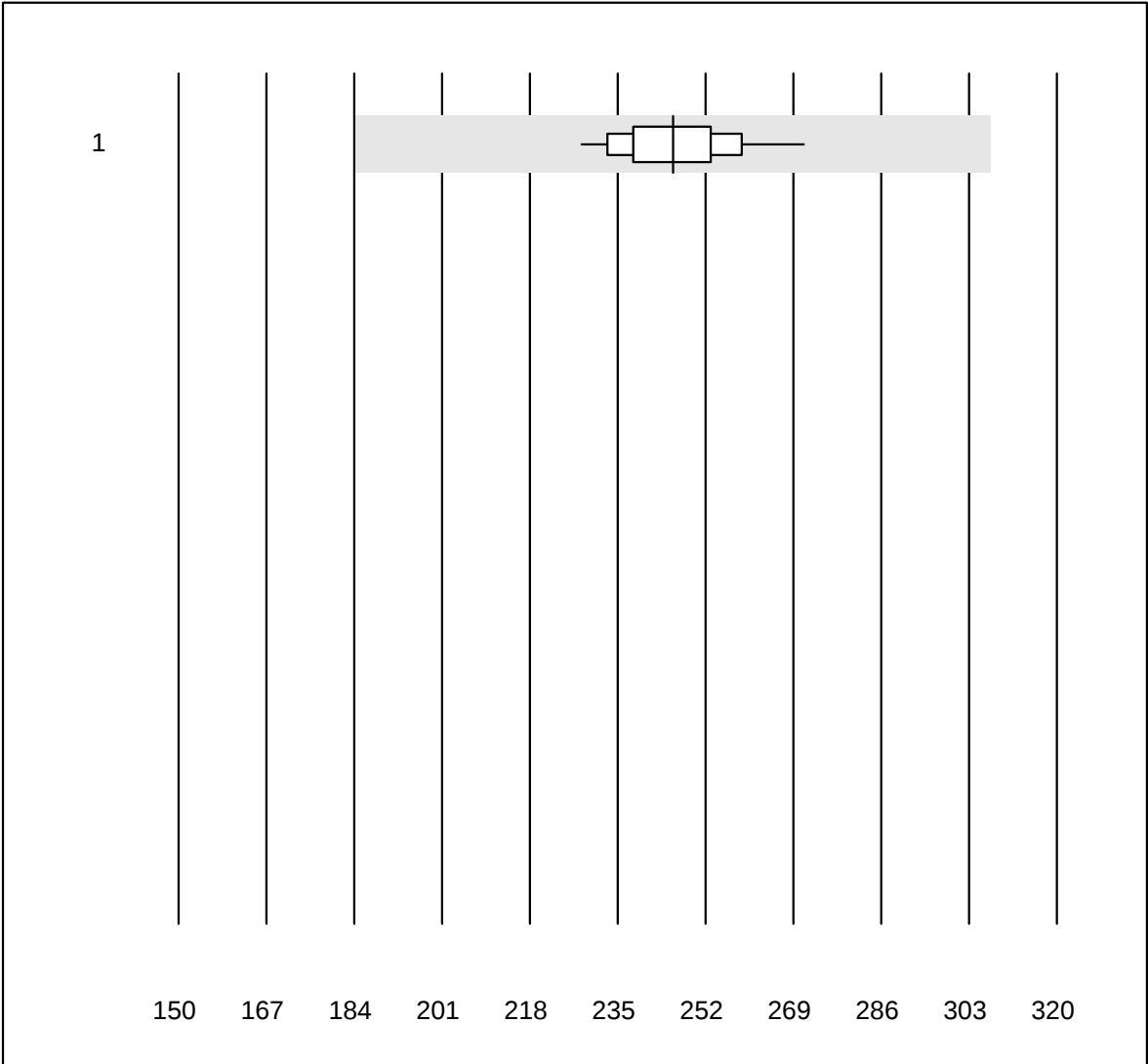


MQ tolerance : 25 %

Leucocytes HS (G/l)

| No.Methode |                    | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|--------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | PixCell HemoScreen | 25    | 100.0 | 0.0       | 0.0       | 7.64   | 6.2 | e    |

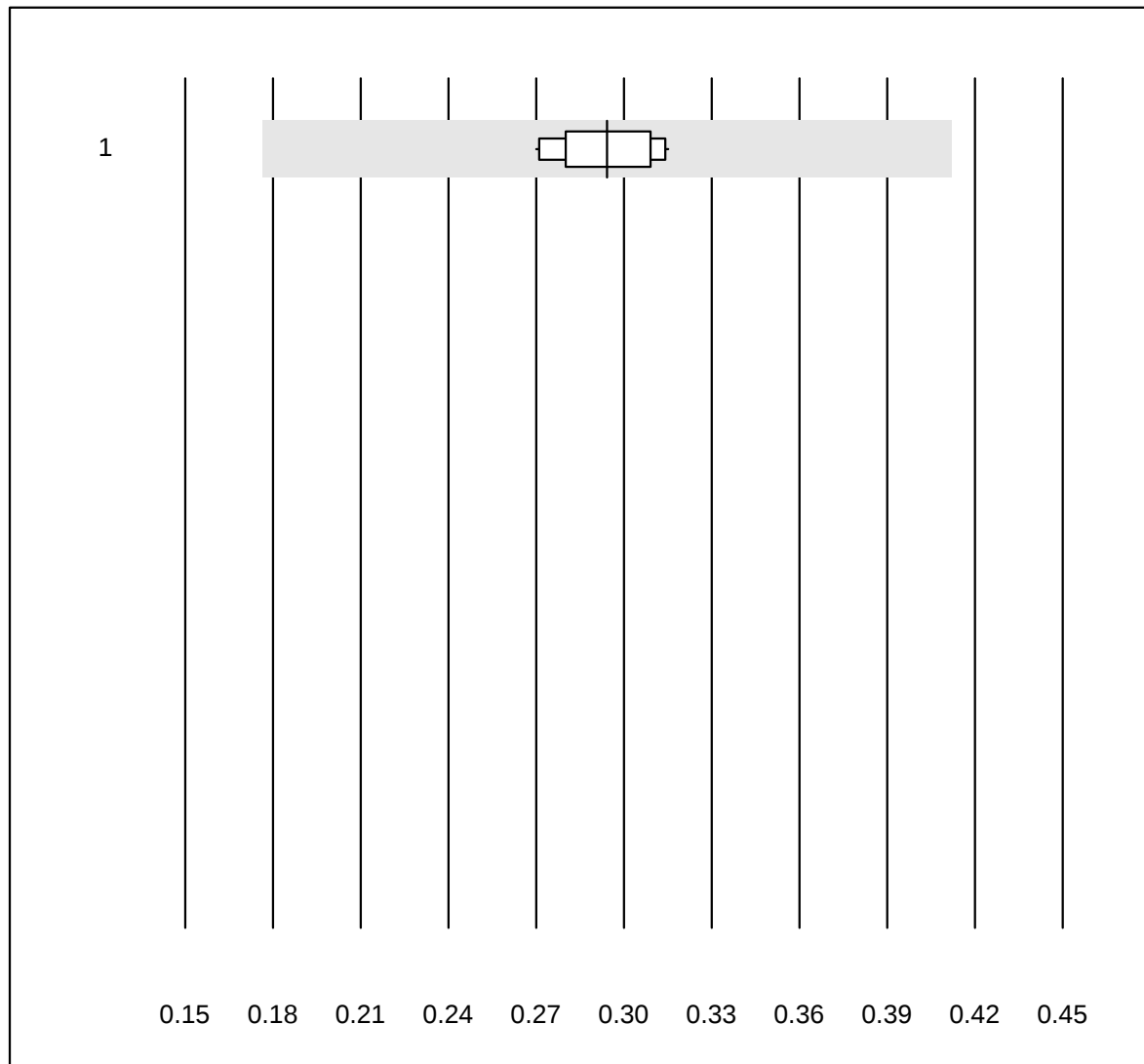
Trombocytes HS



MQ tolerance : 25 %

Trombocytes HS (G/l)

| No.Methode |                    | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|--------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | PixCell HemoScreen | 25    | 100.0 | 0.0       | 0.0       | 245.7  | 4.4 | e    |

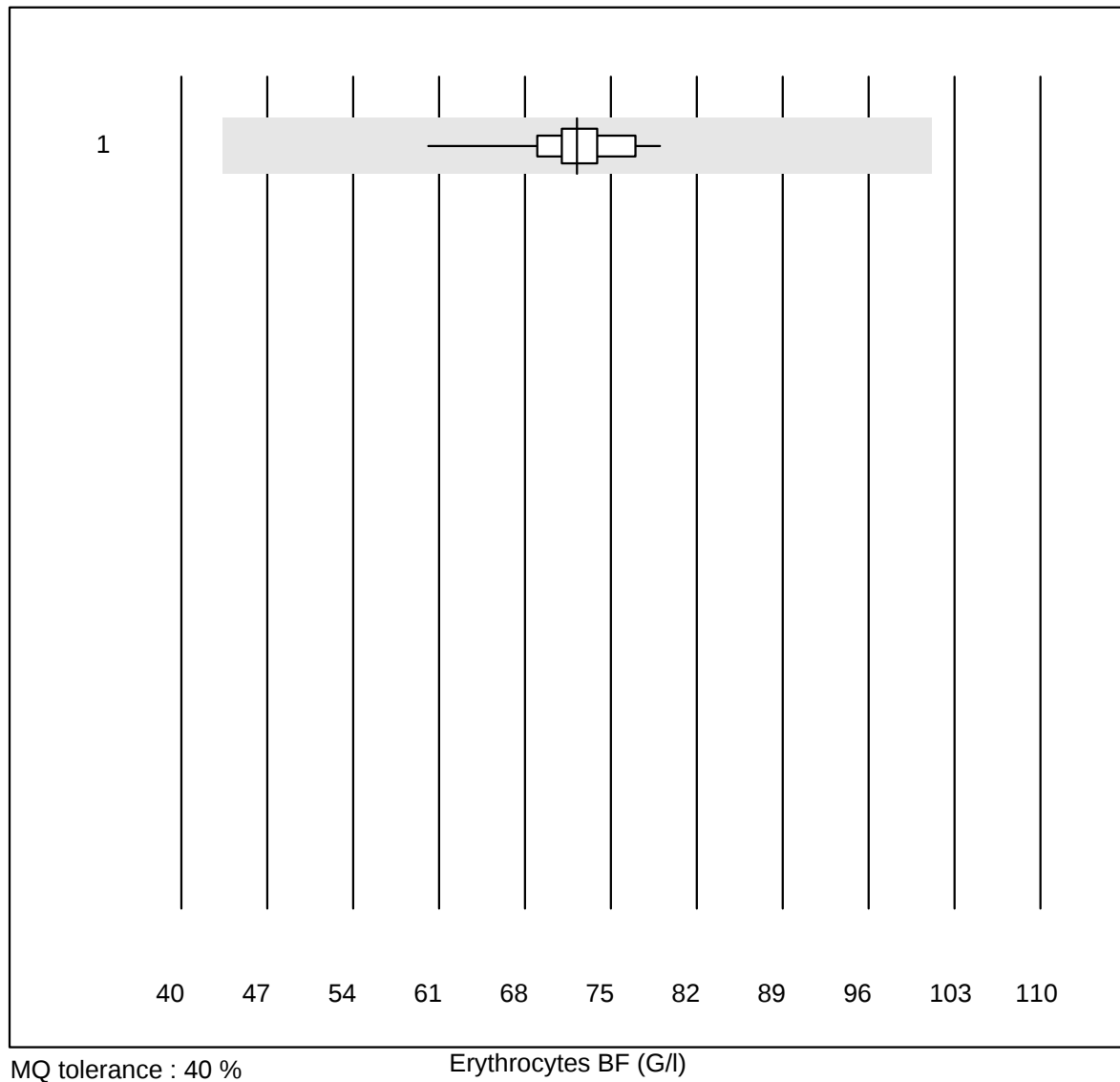
**Leucocytes BF**

MQ tolerance : 40 %

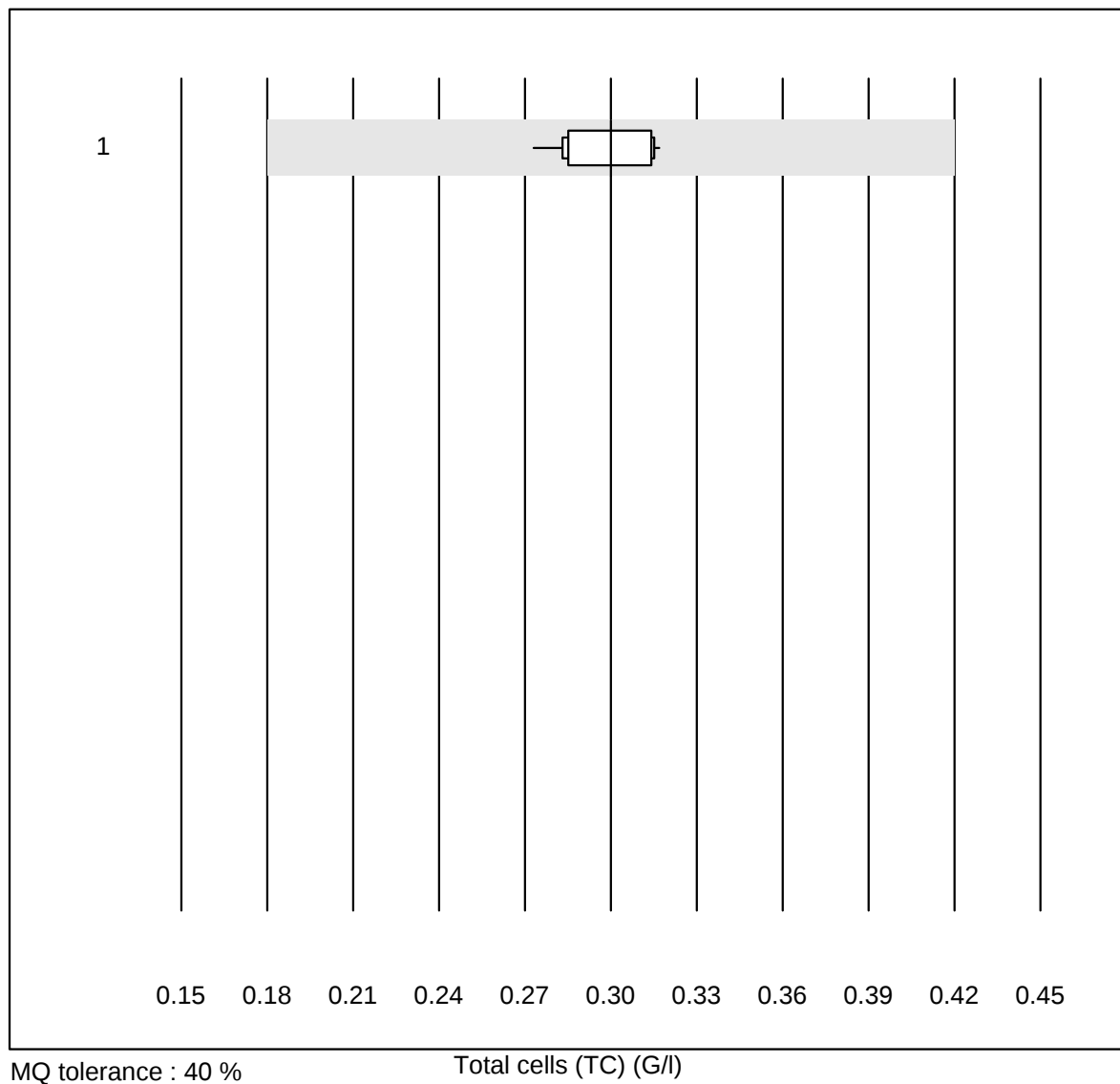
Leucocytes BF (G/l)

| No. | Methode | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|---------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Sysmex  | 14    | 100.0 | 0.0       | 0.0       | 0.294  | 5.6 | e    |

## Erythrocytes BF

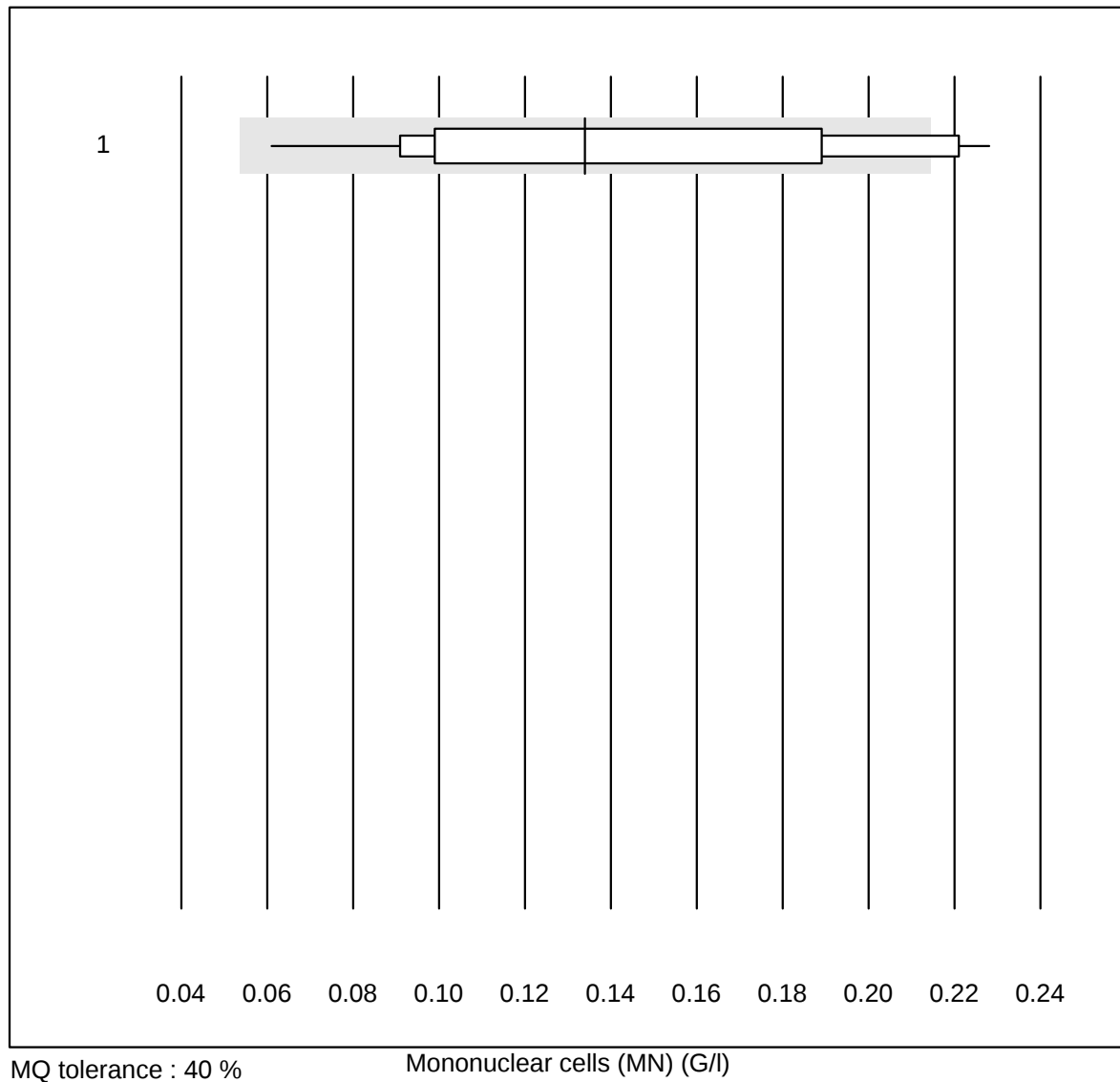


| No. | Methode | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|---------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Sysmex  | 13    | 100.0 | 0.0       | 0.0       | 72.245 | 6.4 | e    |

**Total cells (TC)**

| No. | Methode | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|---------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Sysmex  | 11    | 100.0 | 0.0       | 0.0       | 0.300  | 4.9 | e    |

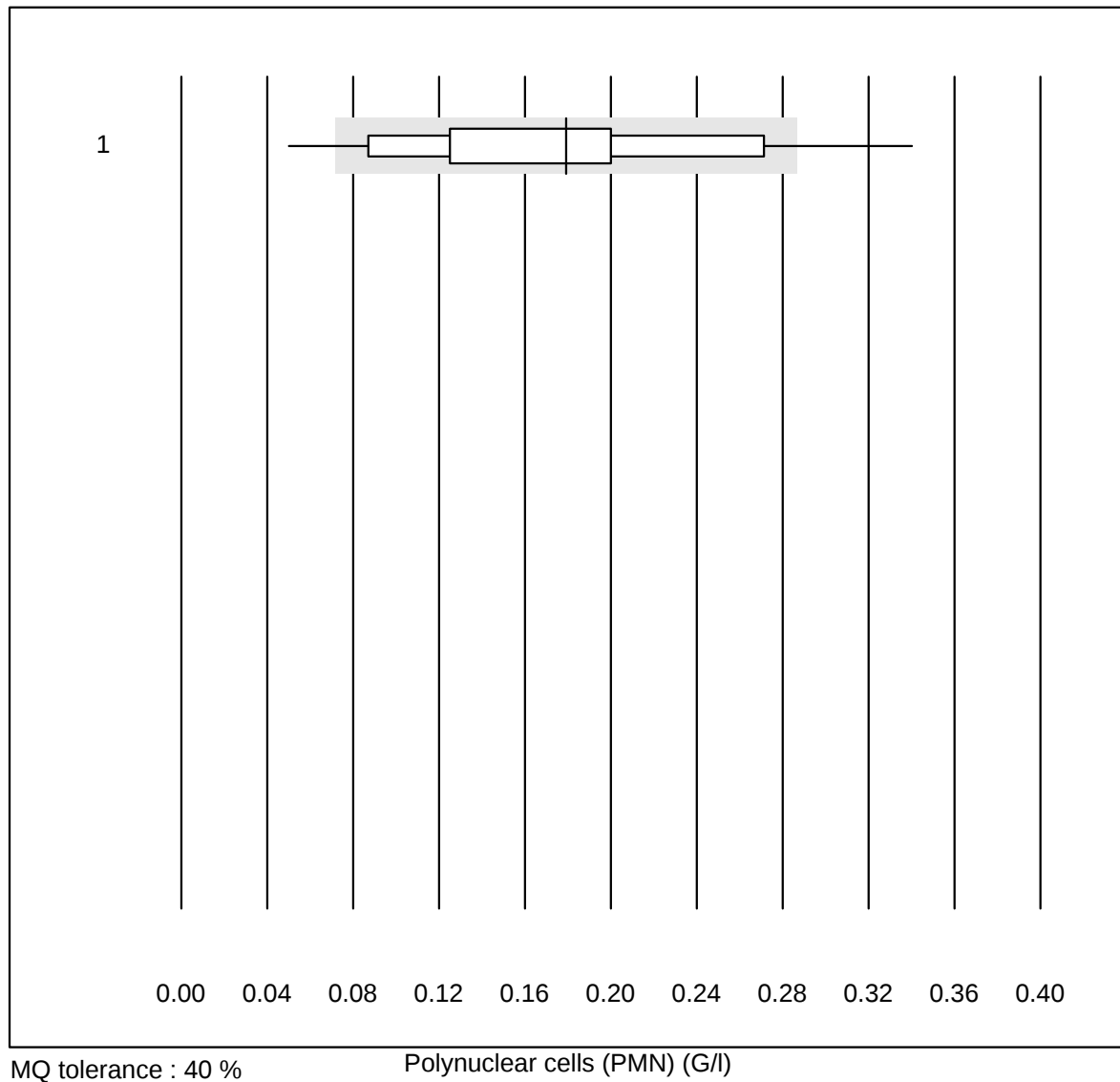
## Mononuclear cells (MN)



MQ tolerance : 40 %

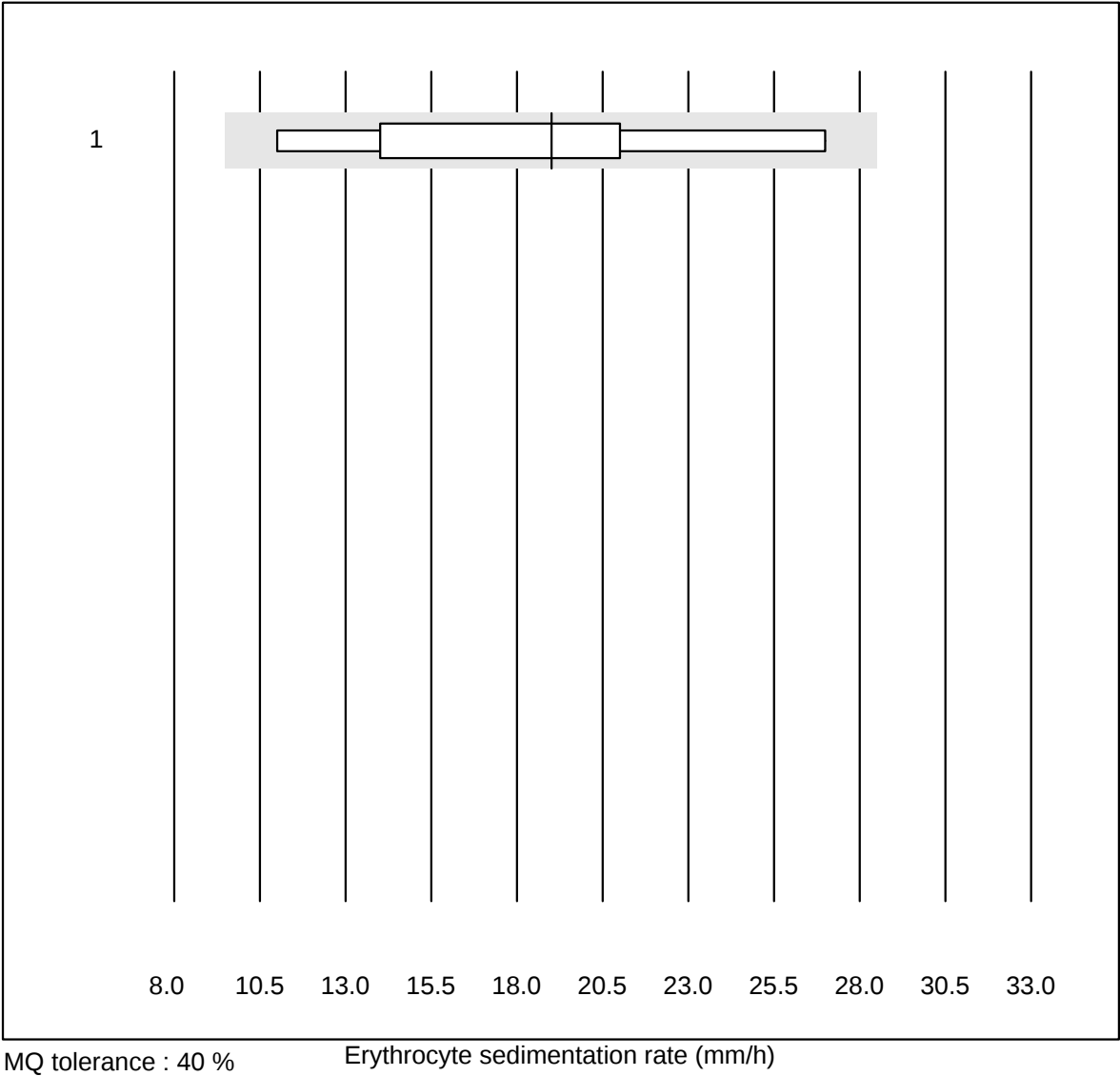
Mononuclear cells (MN) (G/l)

| No. | Methode | Total | % OK | % insuff. | % outlier | Target | CV%  | Type |
|-----|---------|-------|------|-----------|-----------|--------|------|------|
| 1   | Sysmex  | 13    | 84.6 | 15.4      | 0.0       | 0.134  | 38.6 | a    |

**Polynuclear cells (PMN)**

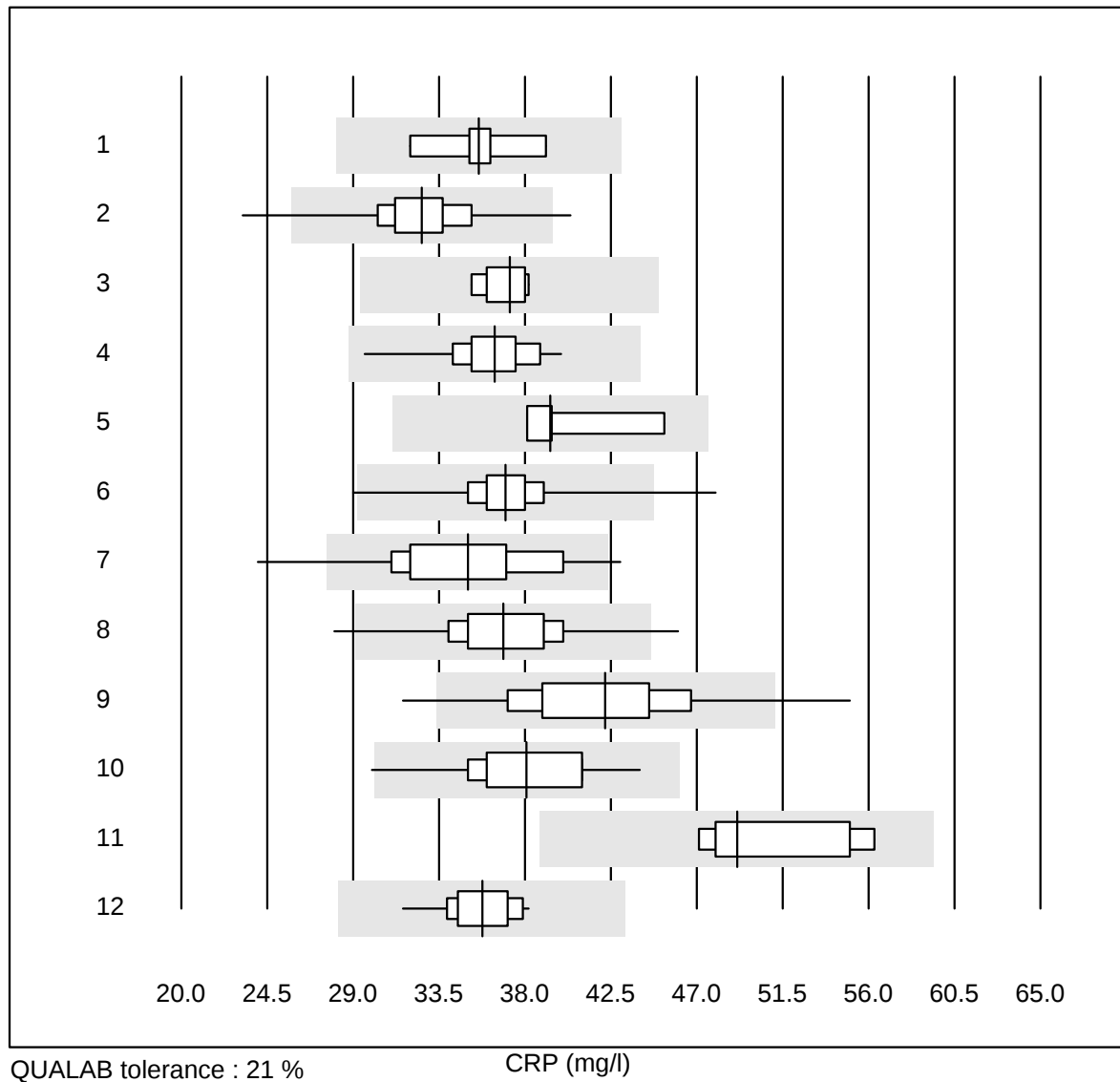
| No.Methode | Total | % OK | % insuff. | % outlier | Target | CV%  | Type |
|------------|-------|------|-----------|-----------|--------|------|------|
| 1 Sysmex   | 13    | 84.6 | 15.4      | 0.0       | 0.179  | 46.9 | a    |

Erythrocyte sedimentation rate



| No.Methode | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------|-------|-------|-----------|-----------|--------|------|------|
| 1 miniiSed | 9     | 100.0 | 0.0       | 0.0       | 19     | 27.9 | a    |

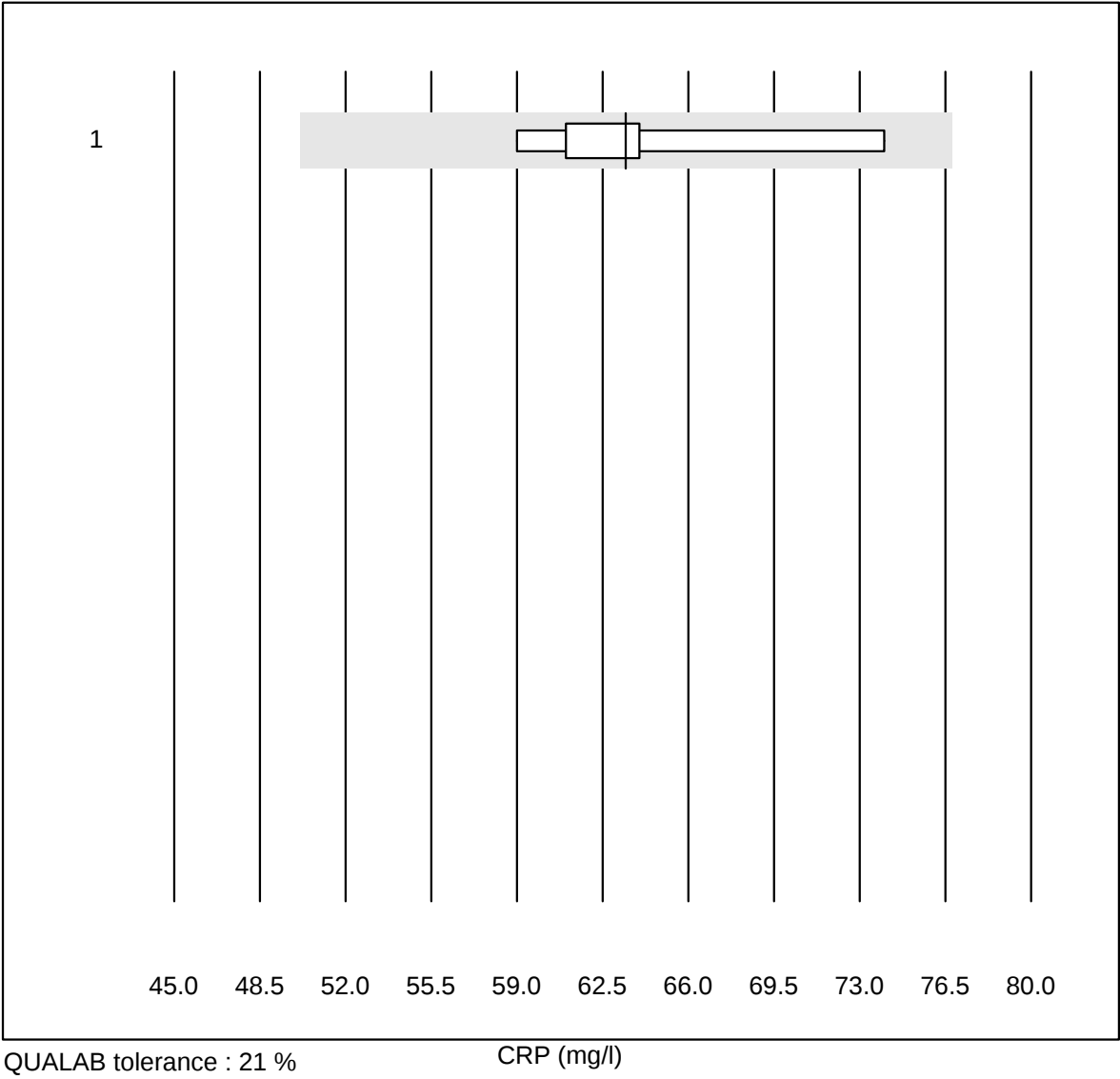
## CRP



| No. | Methode              | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----|----------------------|-------|-------|-----------|-----------|--------|------|------|
| 1   | Autolyser            | 10    | 90.0  | 0.0       | 10.0      | 35.6   | 6.6  | e    |
| 2   | Cobas b101           | 431   | 97.2  | 0.9       | 1.9       | 32.6   | 6.3  | e    |
| 3   | Siemens              | 8     | 100.0 | 0.0       | 0.0       | 37.2   | 2.9  | e    |
| 4   | Cobas                | 44    | 100.0 | 0.0       | 0.0       | 36.4   | 5.6  | e    |
| 5   | Turbidimetry         | 4     | 100.0 | 0.0       | 0.0       | 39.3   | 8.0  | e*   |
| 6   | Afinion              | 1066  | 99.1  | 0.5       | 0.4       | 37.0   | 5.0  | e    |
| 7   | NycoCard SingleTest- | 48    | 77.1  | 8.3       | 14.6      | 35.0   | 11.8 | e    |
| 8   | Quick Read go        | 85    | 94.1  | 2.4       | 3.5       | 36.9   | 7.9  | e    |
| 9   | Eurolyser            | 53    | 83.0  | 5.7       | 11.3      | 42.2   | 10.8 | e    |
| 10  | Fuji Dri-Chem        | 12    | 91.7  | 8.3       | 0.0       | 38.1   | 9.7  | e*   |
| 11  | Piccolo              | 5     | 100.0 | 0.0       | 0.0       | 49.1   | 8.3  | e*   |
| 12  | Celltac chemi        | 20    | 90.0  | 0.0       | 10.0      | 35.8   | 4.8  | e    |

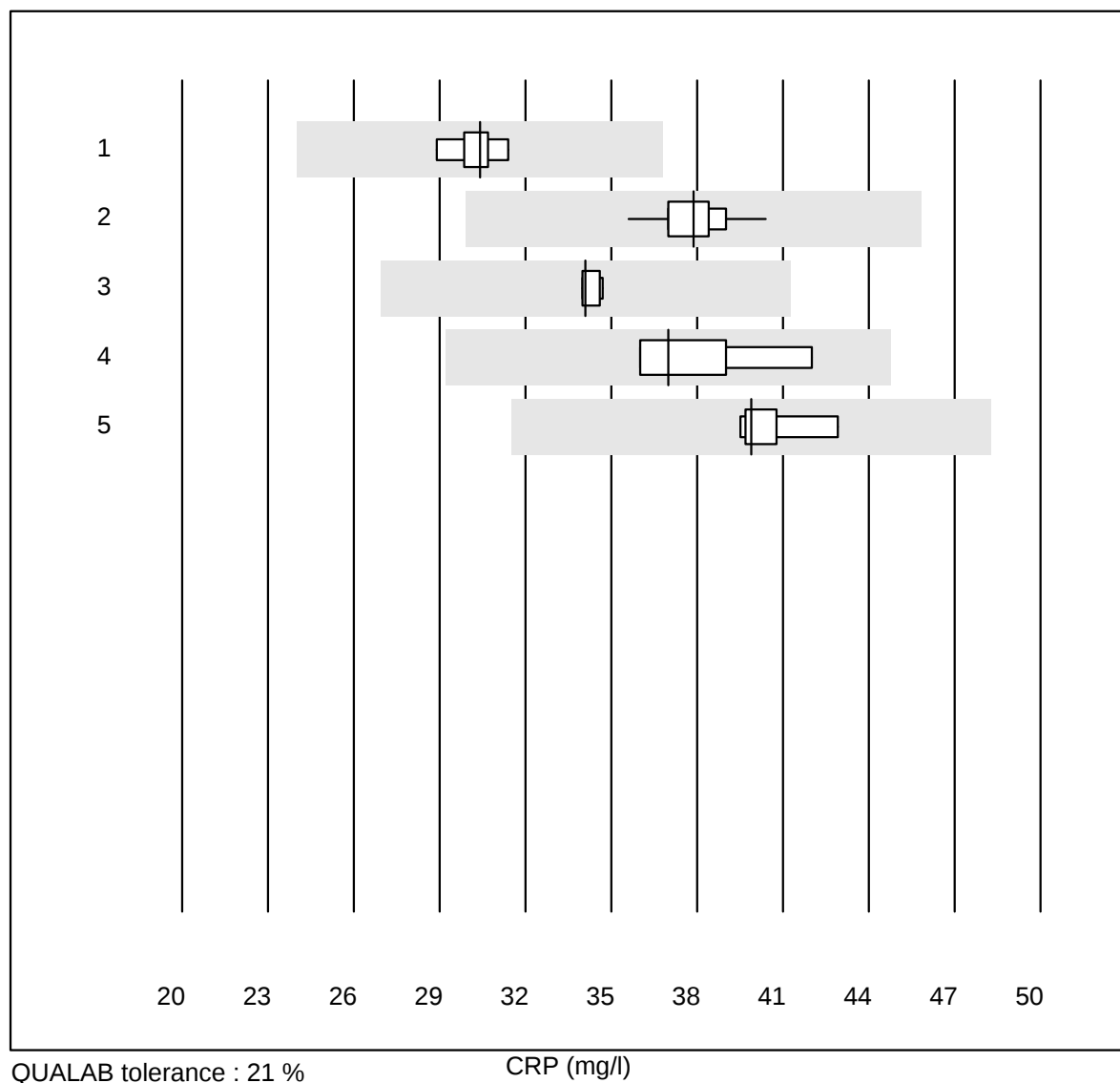
2 additional results were submitted but not published because the method groups were too small. (< results per group)

CRP



| No.Methode |                     | Total | % OK | % insuff. | % outlier | Target | CV% | Type |
|------------|---------------------|-------|------|-----------|-----------|--------|-----|------|
| 1          | QuikRead (Vollblut) | 10    | 90.0 | 0.0       | 10.0      | 63.4   | 6.9 | e    |

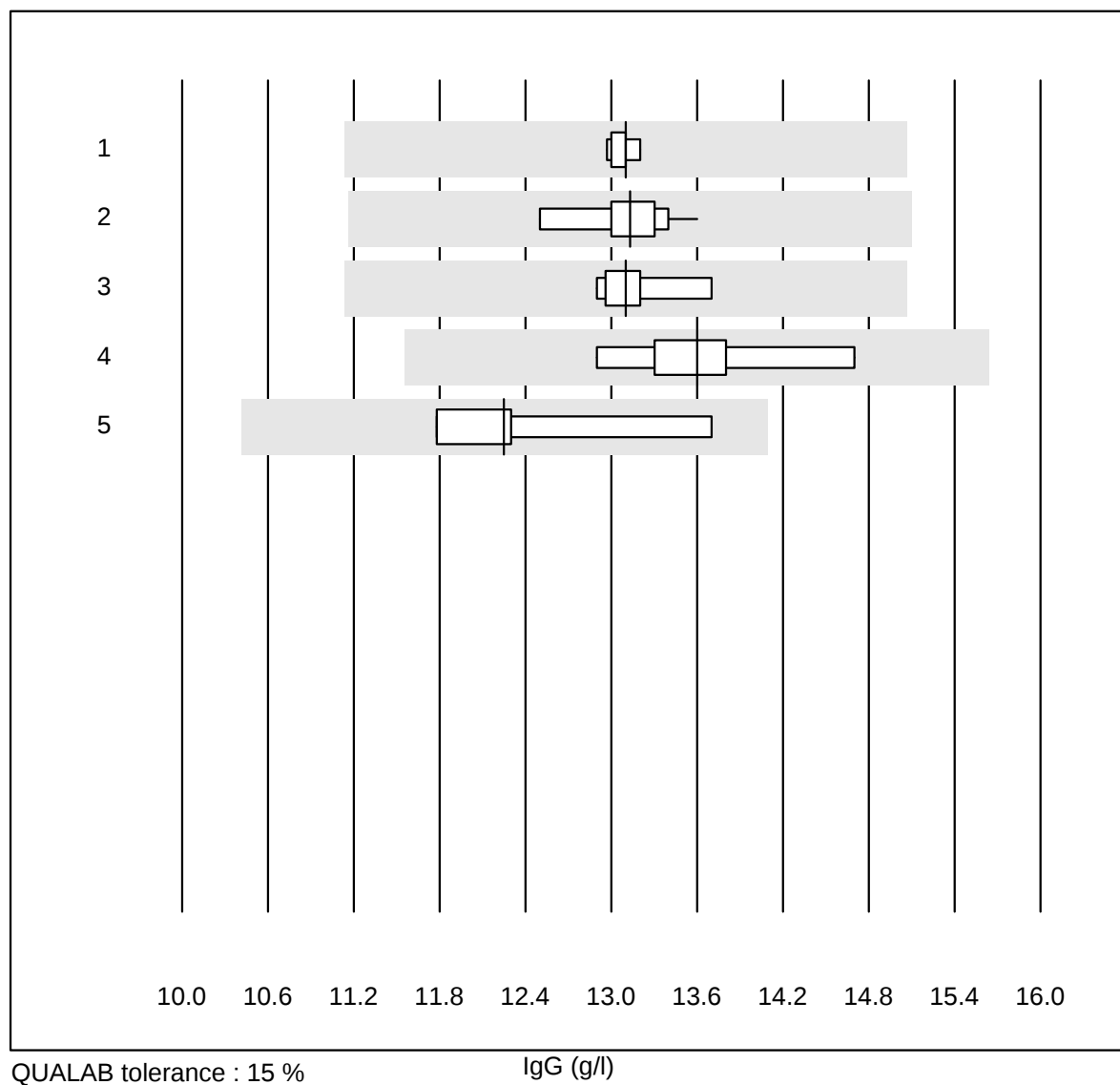
## CRP



| No. | Method             | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|--------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Spinit             | 7     | 100.0 | 0.0       | 0.0       | 30.4   | 2.6 | e    |
| 2   | Abbott             | 12    | 100.0 | 0.0       | 0.0       | 37.9   | 3.3 | e    |
| 3   | Beckman            | 5     | 80.0  | 0.0       | 20.0      | 34.1   | 1.0 | e    |
| 4   | AQT 90 FLEX        | 5     | 100.0 | 0.0       | 0.0       | 37.0   | 6.7 | e*   |
| 5   | Spotchem D-Concept | 6     | 100.0 | 0.0       | 0.0       | 39.9   | 3.2 | e    |

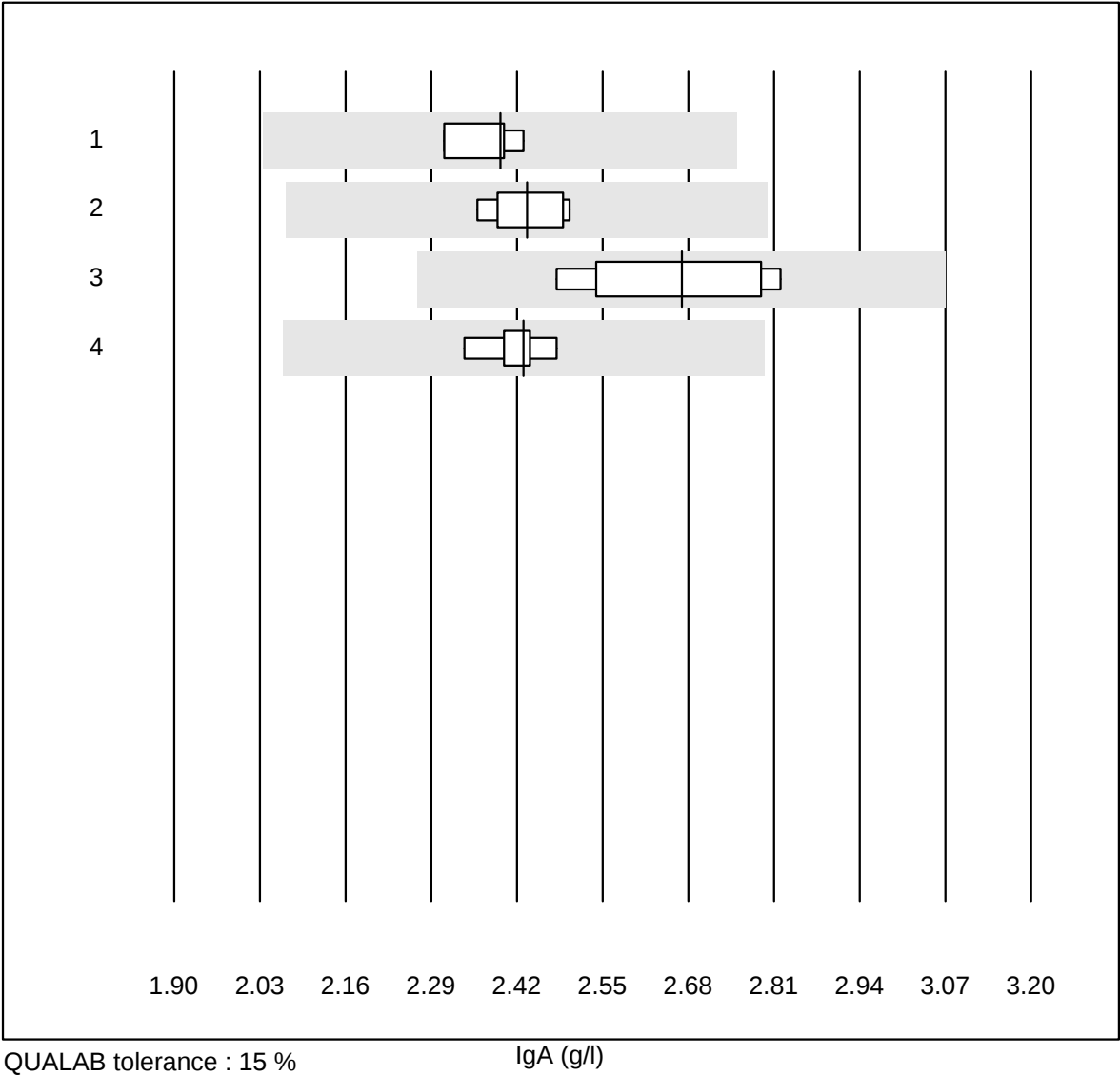
One result was submitted but not published because the method group was too small. (< 4 results per group)

## IgG



| No. | Methode       | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|---------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Abbott        | 5     | 100.0 | 0.0       | 0.0       | 13.10  | 0.7 | e    |
| 2   | Roche, Cobas  | 10    | 100.0 | 0.0       | 0.0       | 13.13  | 2.6 | e    |
| 3   | Turbidimetry  | 7     | 100.0 | 0.0       | 0.0       | 13.10  | 2.0 | e    |
| 4   | Siemens       | 5     | 100.0 | 0.0       | 0.0       | 13.60  | 4.9 | e*   |
| 5   | Other methods | 4     | 100.0 | 0.0       | 0.0       | 12.25  | 6.7 | e*   |

IgA



QUALAB tolerance : 15 %

| No. Methode |              | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-------------|--------------|-------|-------|-----------|-----------|--------|-----|------|
| 1           | Abbott       | 4     | 100.0 | 0.0       | 0.0       | 2.40   | 2.2 | e    |
| 2           | Roche, Cobas | 10    | 100.0 | 0.0       | 0.0       | 2.44   | 2.3 | e    |
| 3           | Siemens      | 6     | 100.0 | 0.0       | 0.0       | 2.67   | 5.2 | e*   |
| 4           | Turbidimetry | 6     | 100.0 | 0.0       | 0.0       | 2.43   | 1.9 | e    |

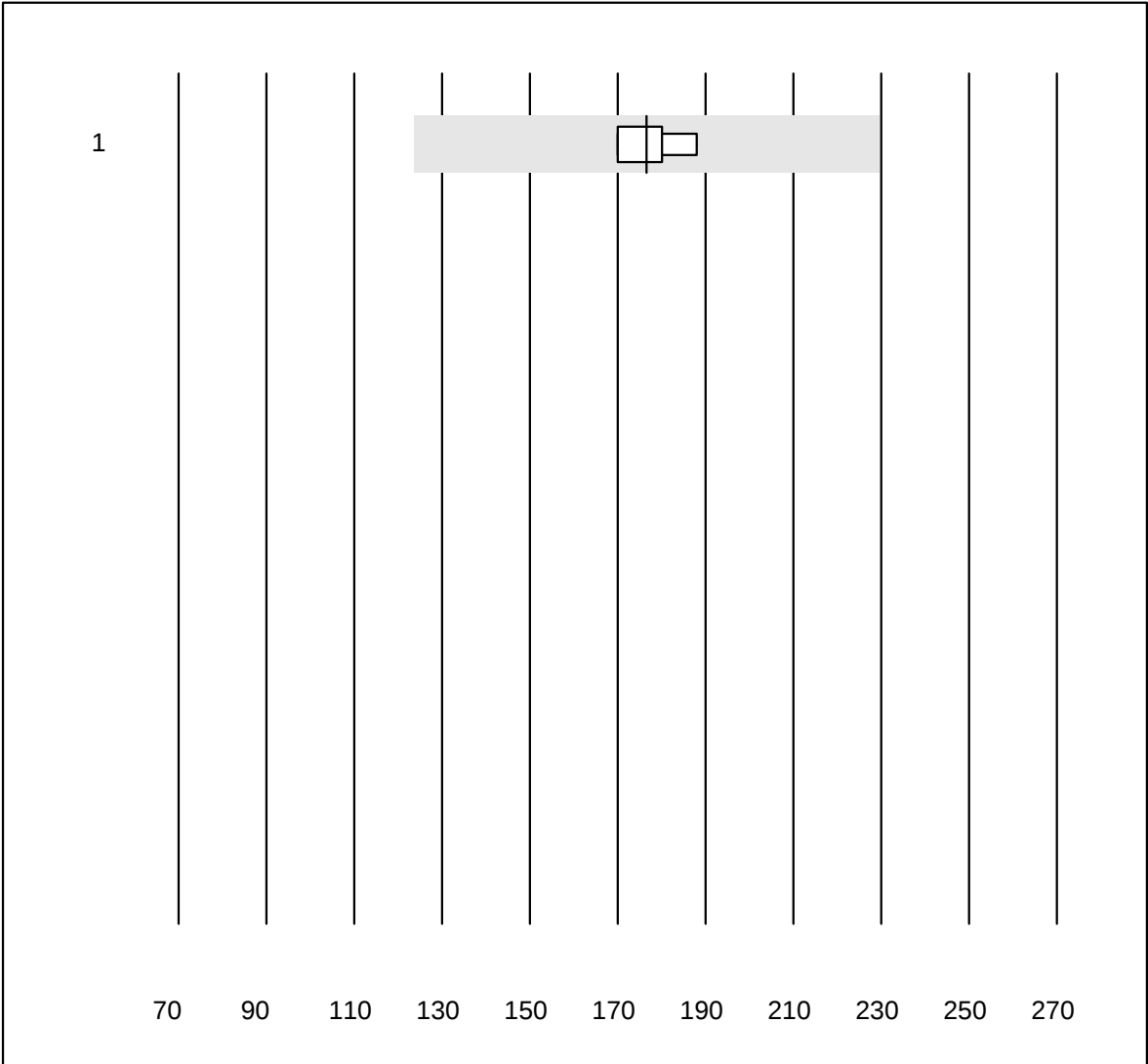
4 additional results were submitted but not published because the method groups were too small. (< results per group)

IgM



| No.Methode |              | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|--------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Turbidimetry | 10    | 100.0 | 0.0       | 0.0       | 1.23   | 5.4 | e    |
| 2          | Siemens      | 8     | 100.0 | 0.0       | 0.0       | 1.26   | 5.4 | e*   |
| 3          | Roche, Cobas | 11    | 100.0 | 0.0       | 0.0       | 1.18   | 3.8 | e    |

IgE

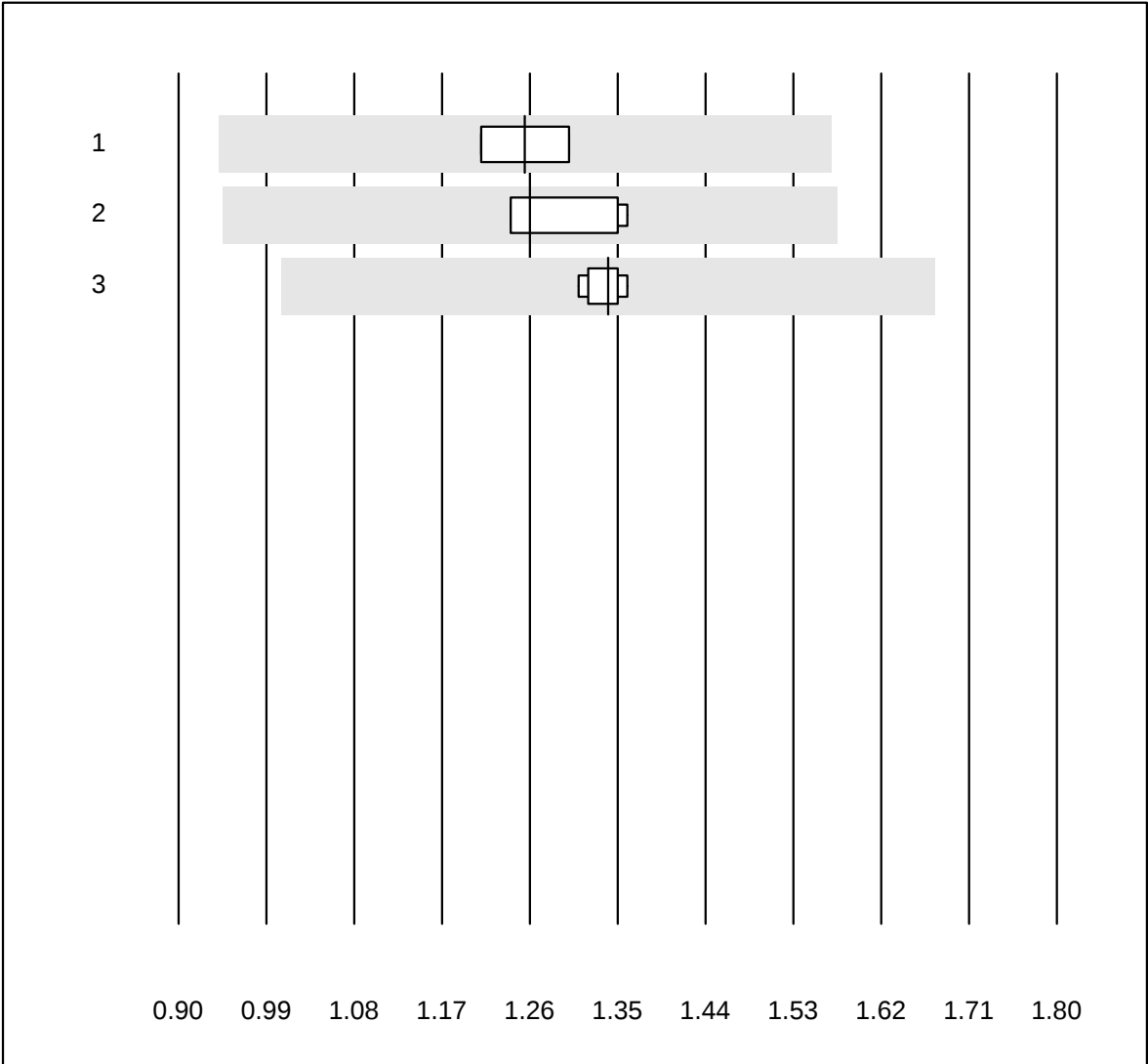


QUALAB tolerance : 30 %

IgE (kU/L)

| No.Methode                                                                                                            |              | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----------------------------------------------------------------------------------------------------------------------|--------------|-------|-------|-----------|-----------|--------|-----|------|
| 1                                                                                                                     | Roche, Cobas | 4     | 100.0 | 0.0       | 0.0       | 177    | 4.5 | e    |
| 7 additional results were submitted but not published because the method groups were too small. (< results per group) |              |       |       |           |           |        |     |      |

Alpha-1-Antitrypsin

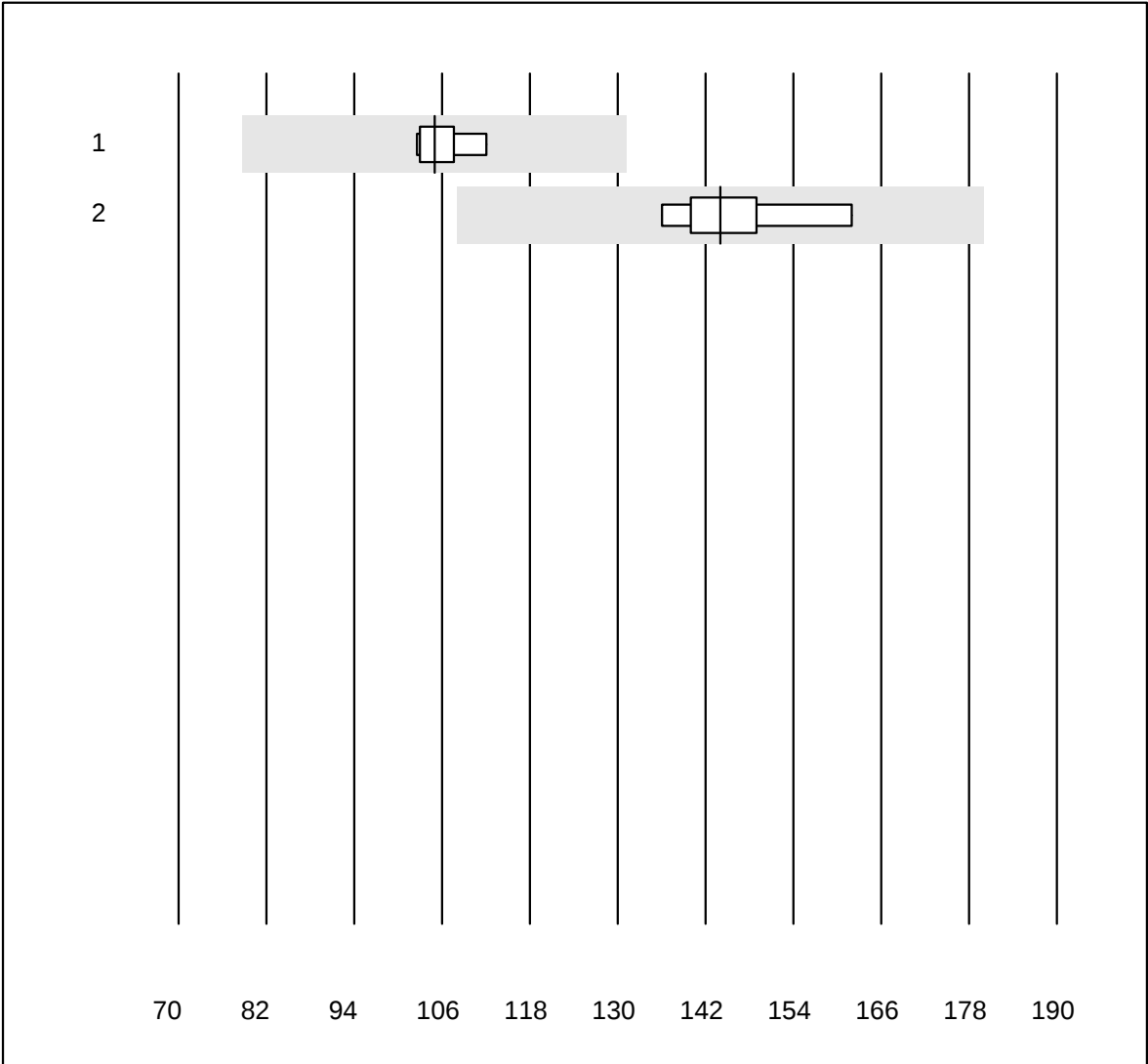


MQ tolerance : 25 %

Alpha-1-Antitrypsin (g/l)

| No.Methode |              | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|--------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Abbott       | 4     | 100.0 | 0.0       | 0.0       | 1.26   | 4.1 | e    |
| 2          | Roche, Cobas | 5     | 100.0 | 0.0       | 0.0       | 1.26   | 4.7 | e    |
| 3          | Siemens      | 5     | 100.0 | 0.0       | 0.0       | 1.34   | 1.6 | e    |

Anti-Streptolysin-Antibodies



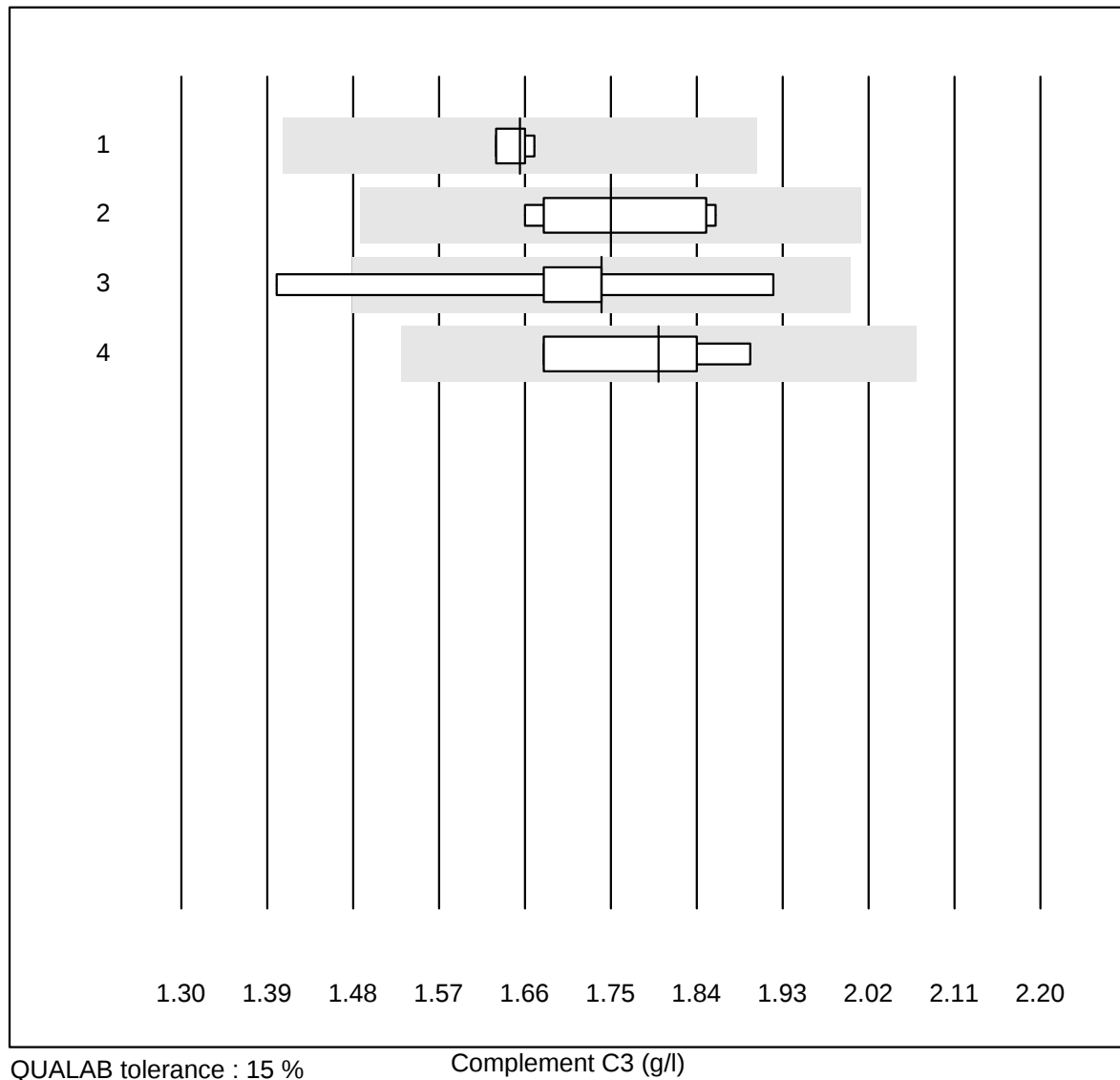
MQ tolerance : 25 %

Anti-Streptolysin-Antibodies (kIU/l)

| No.Methode |              | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|--------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Abbott       | 6     | 100.0 | 0.0       | 0.0       | 105    | 3.4 | e    |
| 2          | Roche, Cobas | 9     | 100.0 | 0.0       | 0.0       | 144    | 5.5 | e    |

2 additional results were submitted but not published because the method groups were too small. (< results per group)

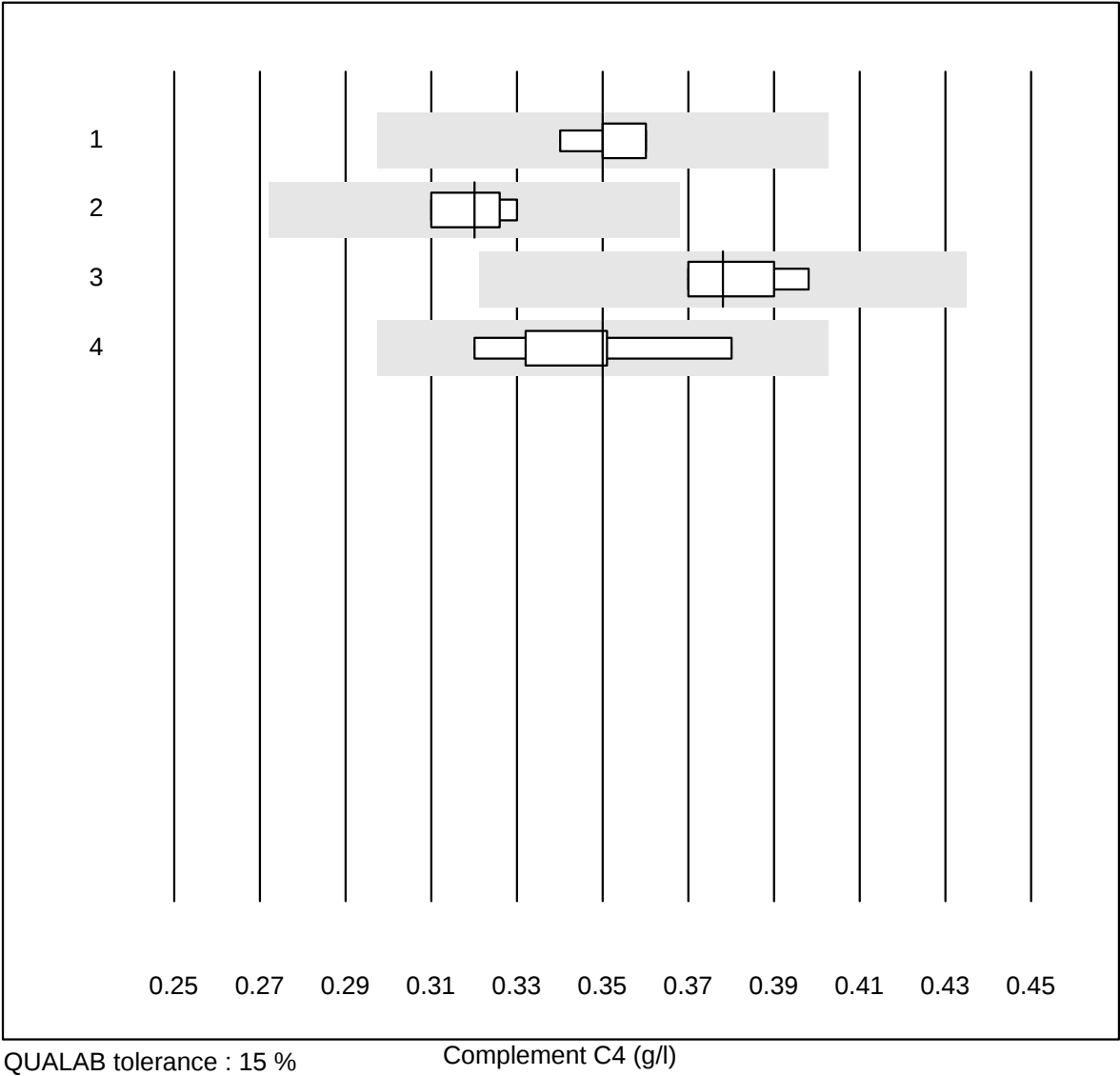
## Complement C3



| No. | Methode       | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----|---------------|-------|-------|-----------|-----------|--------|------|------|
| 1   | Abbott        | 4     | 100.0 | 0.0       | 0.0       | 1.66   | 1.0  | e    |
| 2   | Roche, Cobas  | 7     | 100.0 | 0.0       | 0.0       | 1.75   | 4.4  | e    |
| 3   | Siemens       | 5     | 80.0  | 20.0      | 0.0       | 1.74   | 11.1 | e*   |
| 4   | Other methods | 4     | 100.0 | 0.0       | 0.0       | 1.80   | 5.3  | e*   |

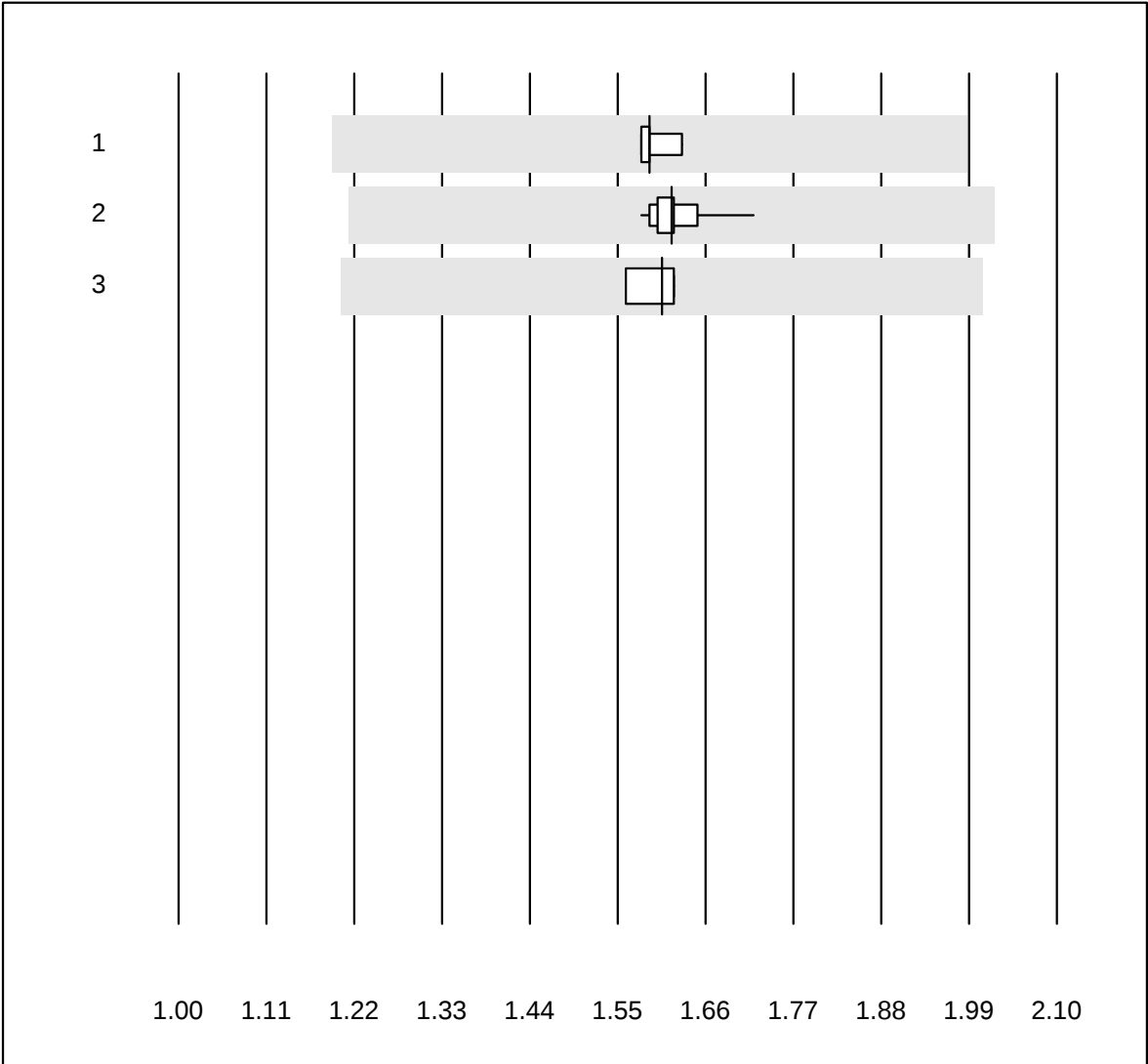
2 additional results were submitted but not published because the method groups were too small. (< results per group)

Complement C4



| No. | Methode       | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|---------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Alinity       | 5     | 100.0 | 0.0       | 0.0       | 0.35   | 2.4 | e    |
| 2   | Roche, Cobas  | 6     | 100.0 | 0.0       | 0.0       | 0.32   | 2.6 | e    |
| 3   | Siemens       | 5     | 100.0 | 0.0       | 0.0       | 0.38   | 3.3 | e    |
| 4   | Other methods | 5     | 100.0 | 0.0       | 0.0       | 0.35   | 6.6 | e*   |

Haptoglobin



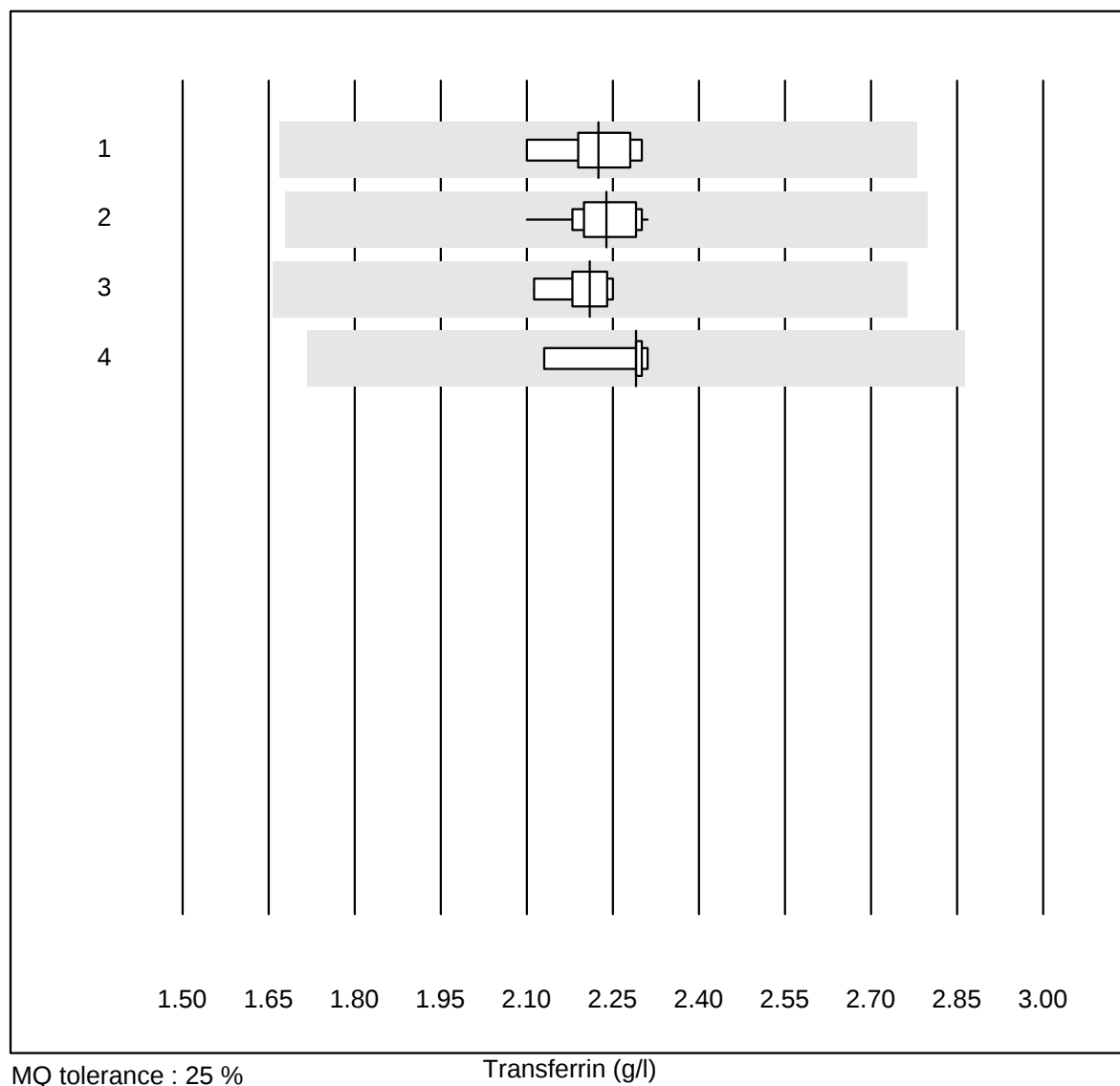
MQ tolerance : 25 %

Haptoglobin (g/l)

| No.Methode |               | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|---------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Abbott        | 4     | 100.0 | 0.0       | 0.0       | 1.59   | 1.4 | e    |
| 2          | Roche, Cobas  | 21    | 100.0 | 0.0       | 0.0       | 1.62   | 2.1 | e    |
| 3          | Other methods | 4     | 100.0 | 0.0       | 0.0       | 1.61   | 1.8 | e    |

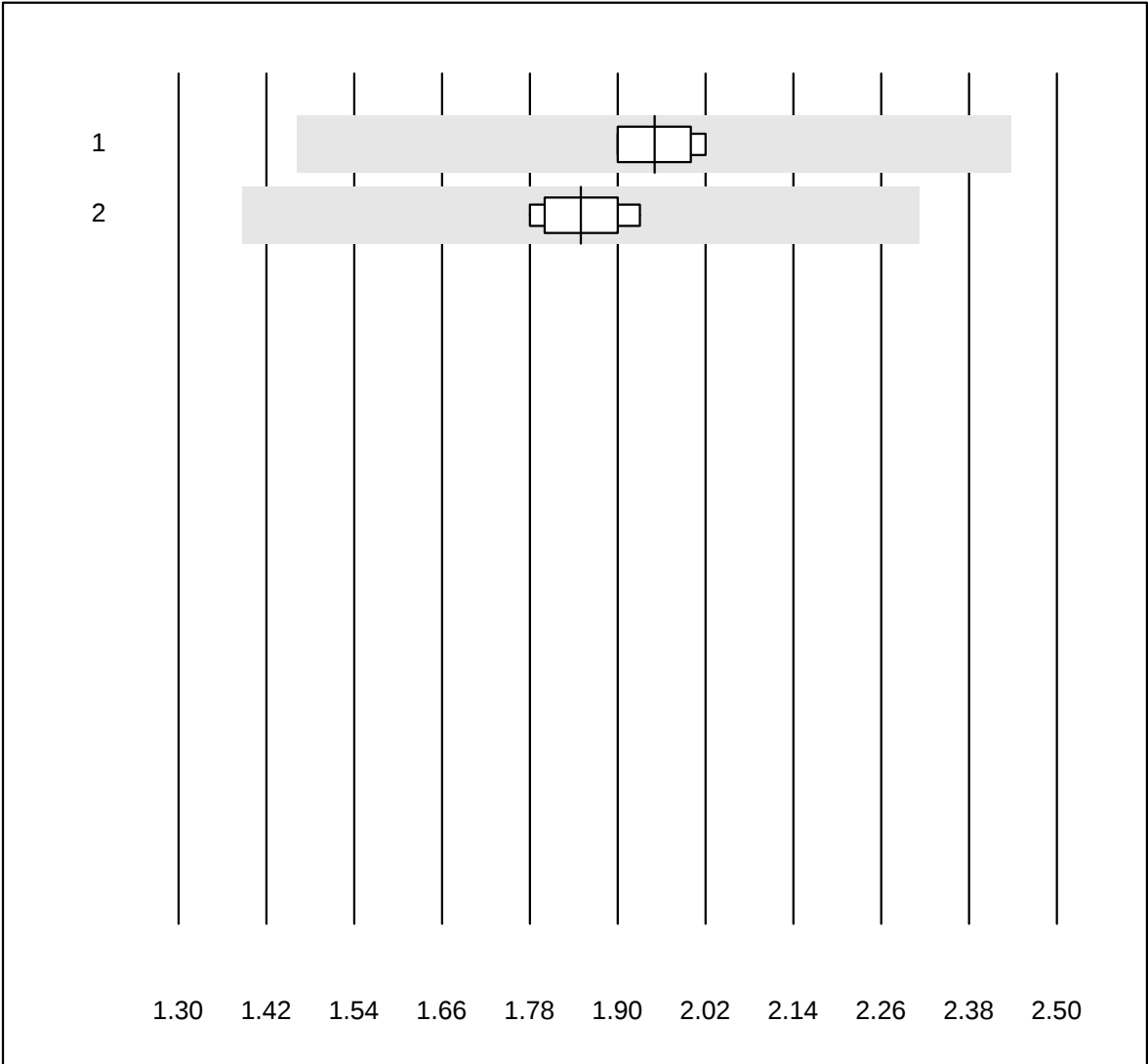
2 additional results were submitted but not published because the method groups were too small. (< results per group)

## Transferrin



| No. | Methode       | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|---------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Abbott        | 6     | 100.0 | 0.0       | 0.0       | 2.23   | 3.3 | e    |
| 2   | Roche, Cobas  | 22    | 100.0 | 0.0       | 0.0       | 2.24   | 2.5 | e    |
| 3   | Siemens       | 5     | 100.0 | 0.0       | 0.0       | 2.21   | 2.5 | e    |
| 4   | Other methods | 5     | 100.0 | 0.0       | 0.0       | 2.29   | 3.3 | e    |

Beta-2 microglobuline



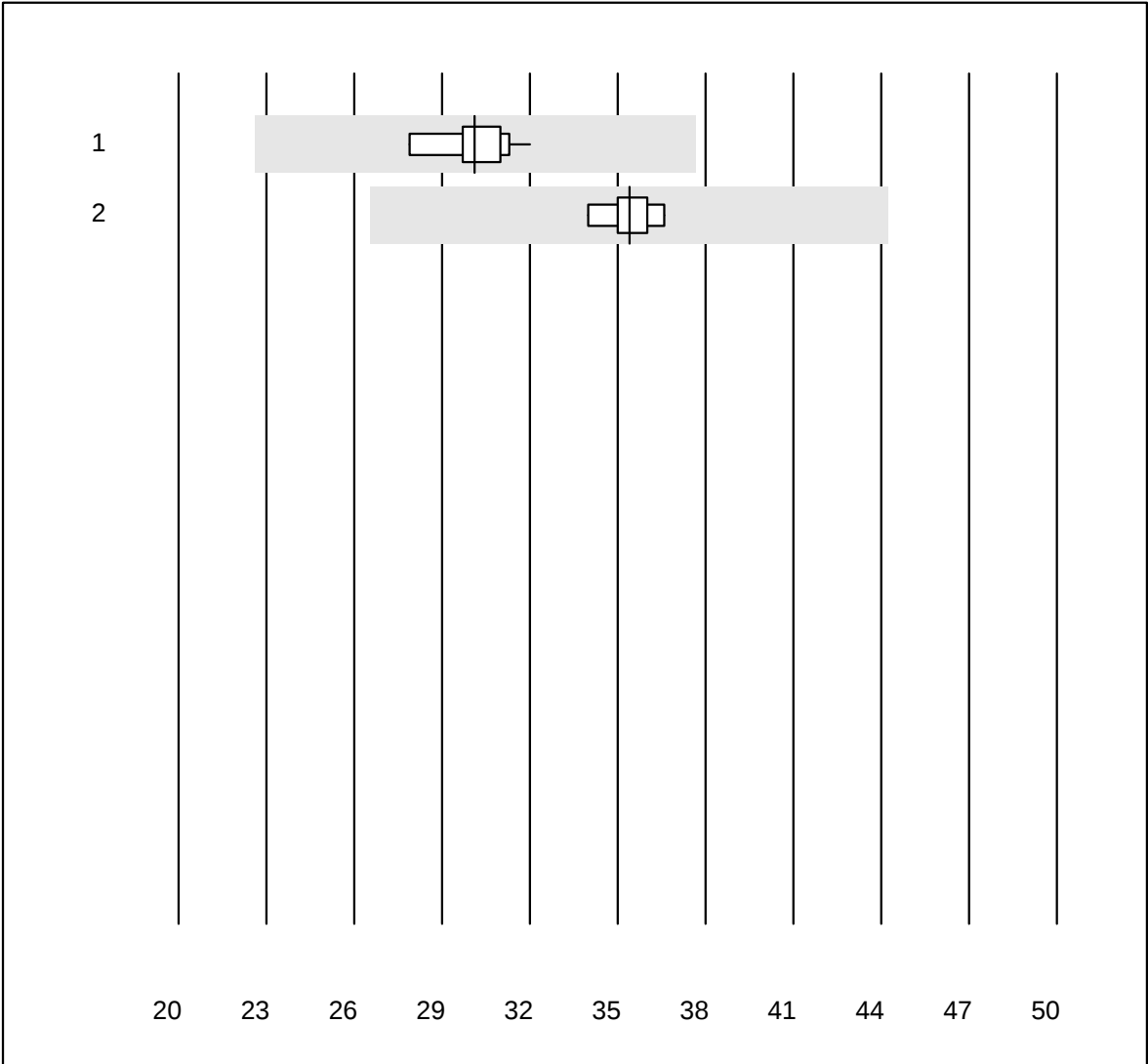
MQ tolerance : 25 %

Beta-2 microglobuline (mg/l)

| No. | Methode      | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|--------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Abbott       | 4     | 100.0 | 0.0       | 0.0       | 1.95   | 3.3 | e    |
| 2   | Roche, Cobas | 6     | 100.0 | 0.0       | 0.0       | 1.85   | 3.5 | e    |

4 additional results were submitted but not published because the method groups were too small. (< results per group)

Rheumatoid factor



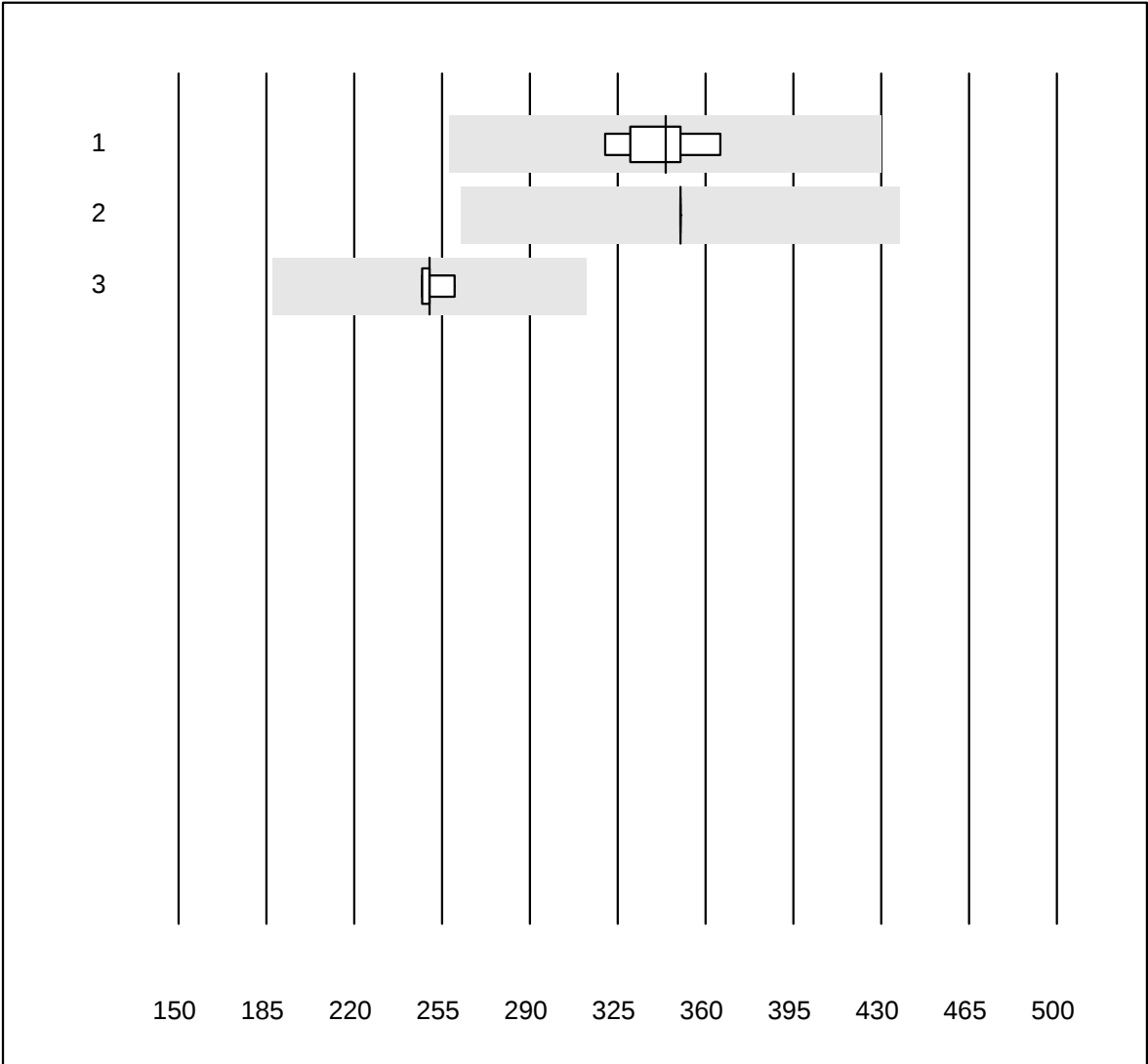
MQ tolerance : 25 %

Rheumatoid factor (U/ml)

| No.Methode |              | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|--------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Roche, Cobas | 10    | 100.0 | 0.0       | 0.0       | 30.1   | 3.9 | e    |
| 2          | Abbott       | 9     | 77.8  | 0.0       | 22.2      | 35.4   | 2.4 | a    |

3 additional results were submitted but not published because the method groups were too small. (< results per group)

Ceruloplasmin

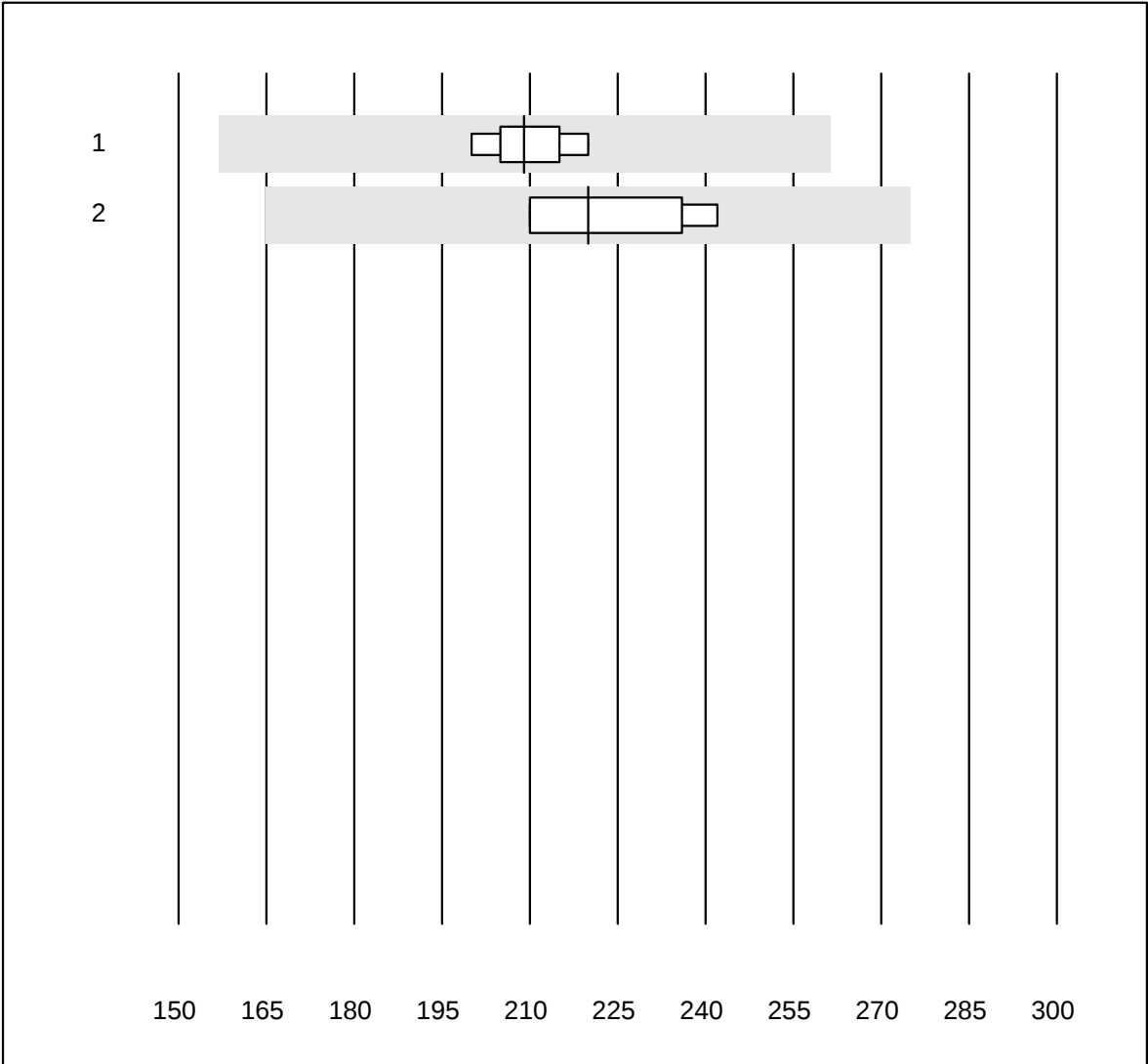


MQ tolerance : 25 %

Ceruloplasmin (mg/l)

| No.Methode |              | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|--------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Siemens      | 5     | 100.0 | 0.0       | 0.0       | 344.00 | 5.2 | e    |
| 2          | Abbott       | 4     | 100.0 | 0.0       | 0.0       | 350.00 | 0.0 | e    |
| 3          | Roche, Cobas | 4     | 100.0 | 0.0       | 0.0       | 250.00 | 2.3 | e    |

Prealbumin



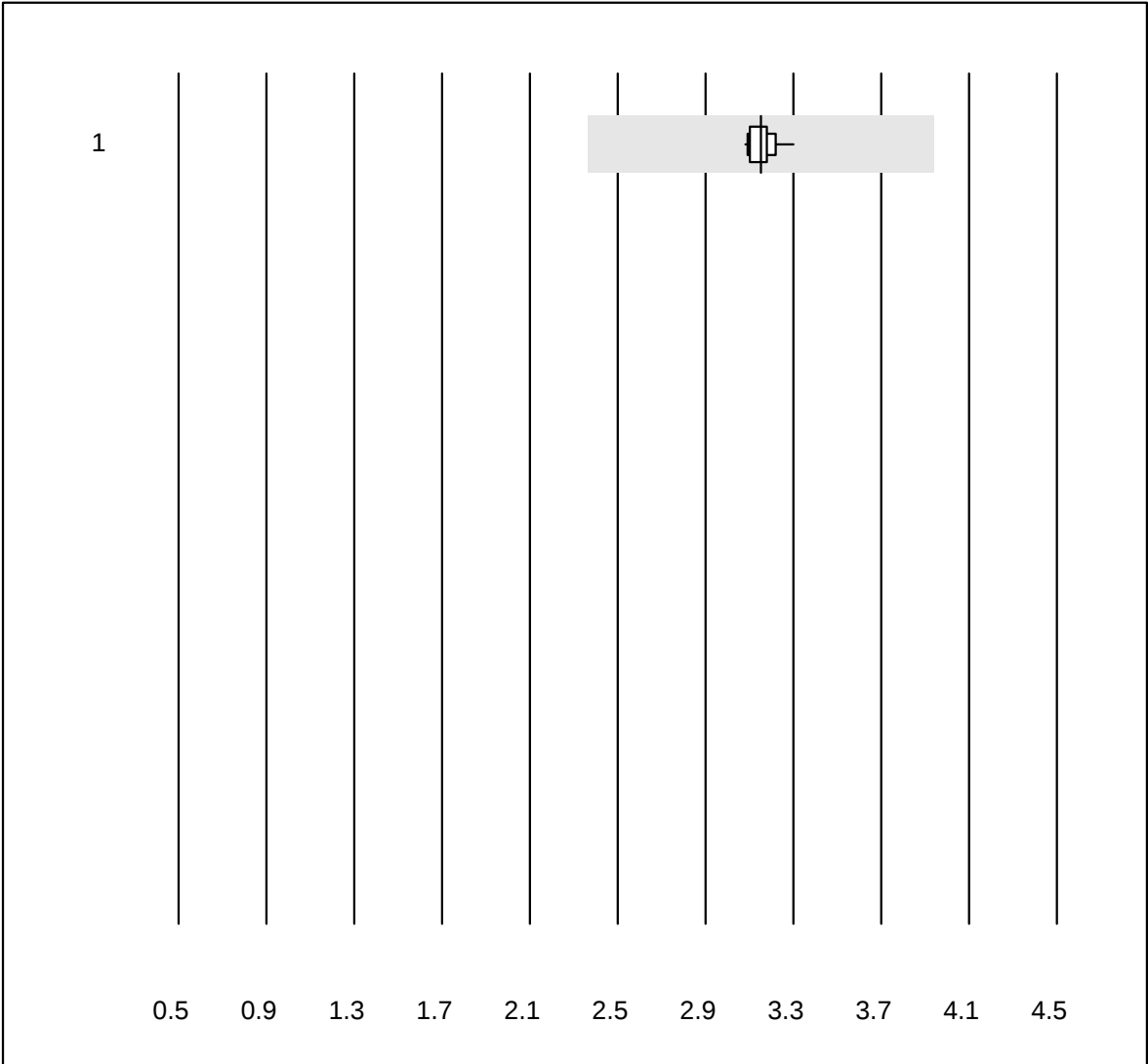
MQ tolerance : 25 %

Prealbumin (mg/l)

| No. | Methode          | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Roche, Cobas     | 7     | 100.0 | 0.0       | 0.0       | 209.00 | 3.1 | e    |
| 2   | all Participants | 7     | 100.0 | 0.0       | 0.0       | 220.00 | 5.8 | e    |

5 additional results were submitted but not published because the method groups were too small. (< results per group)

Soluble transferrin receptor

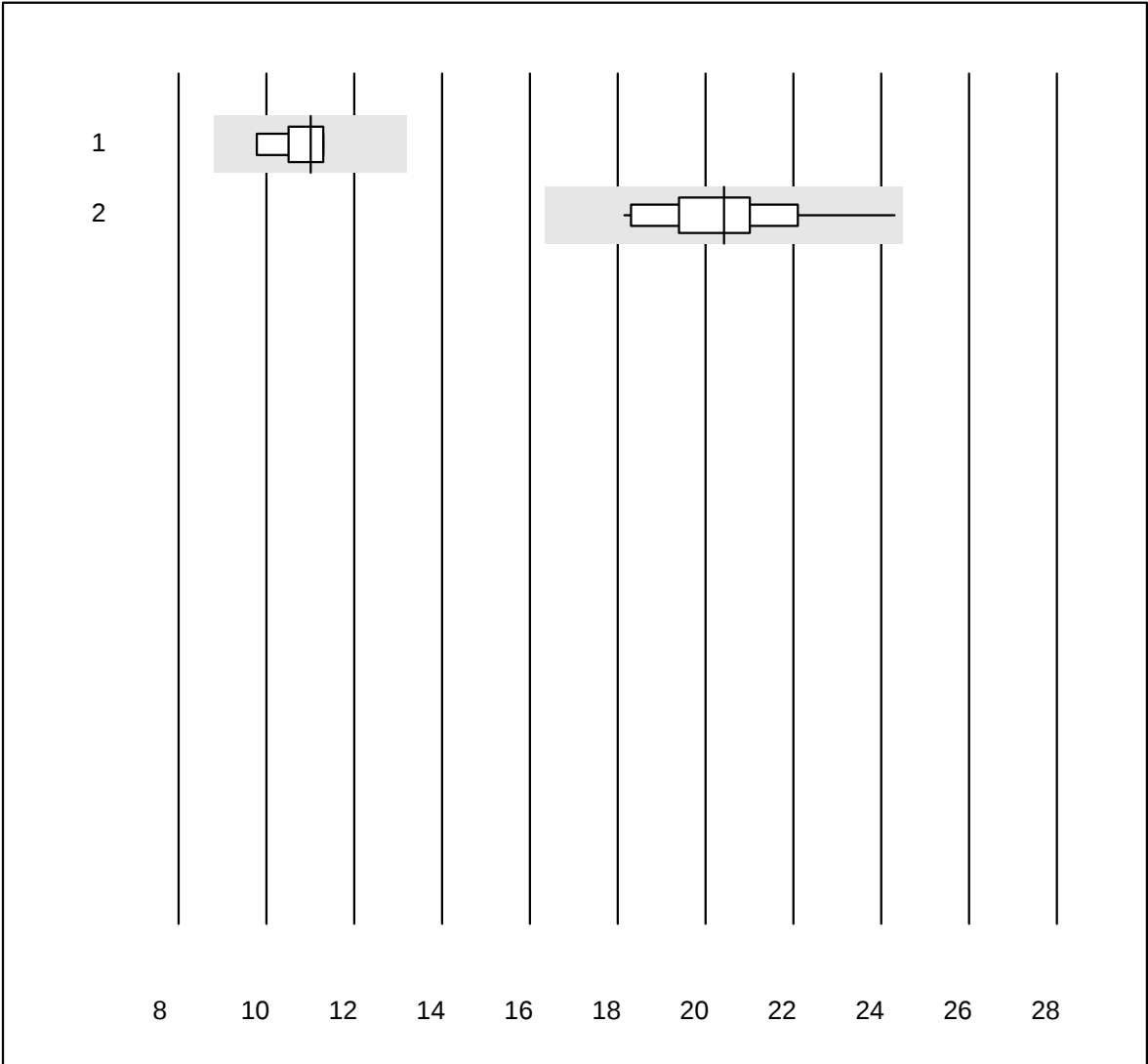


MQ tolerance : 25 % Soluble transferrin receptor (mg/l)

| No. | Methode      | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|--------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Roche, Cobas | 14    | 100.0 | 0.0       | 0.0       | 3.2    | 1.9 | e    |

4 additional results were submitted but not published because the method groups were too small. (< results per group)

free light chain kappa

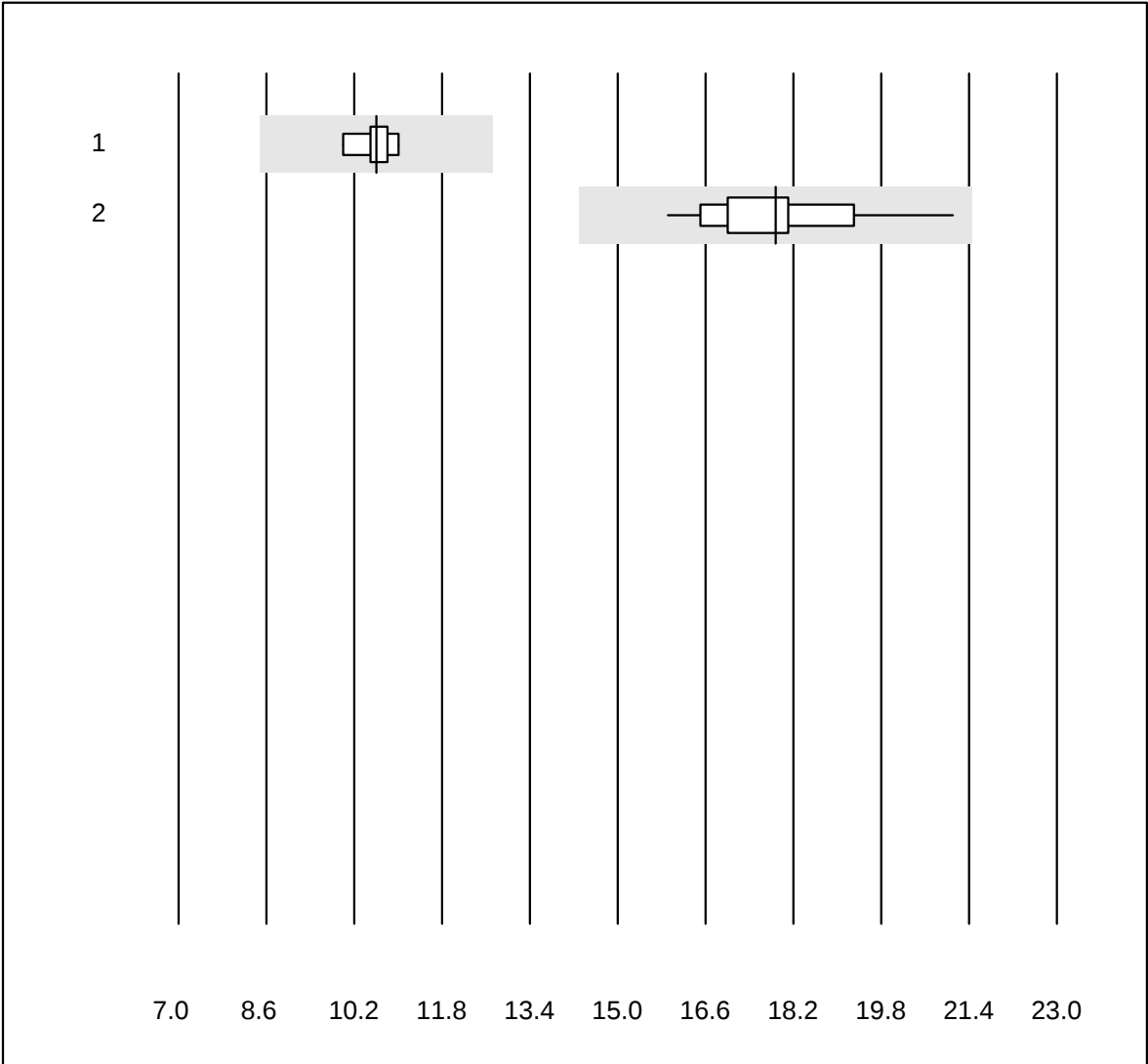


QUALAB tolerance : 20 %

free light chain kappa (mg/l)

| No. | Methode  | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|----------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | N Latex  | 6     | 100.0 | 0.0       | 0.0       | 11.00  | 5.5 | e    |
| 2   | Freelite | 12    | 100.0 | 0.0       | 0.0       | 20.41  | 8.3 | e*   |

free light chain lambda

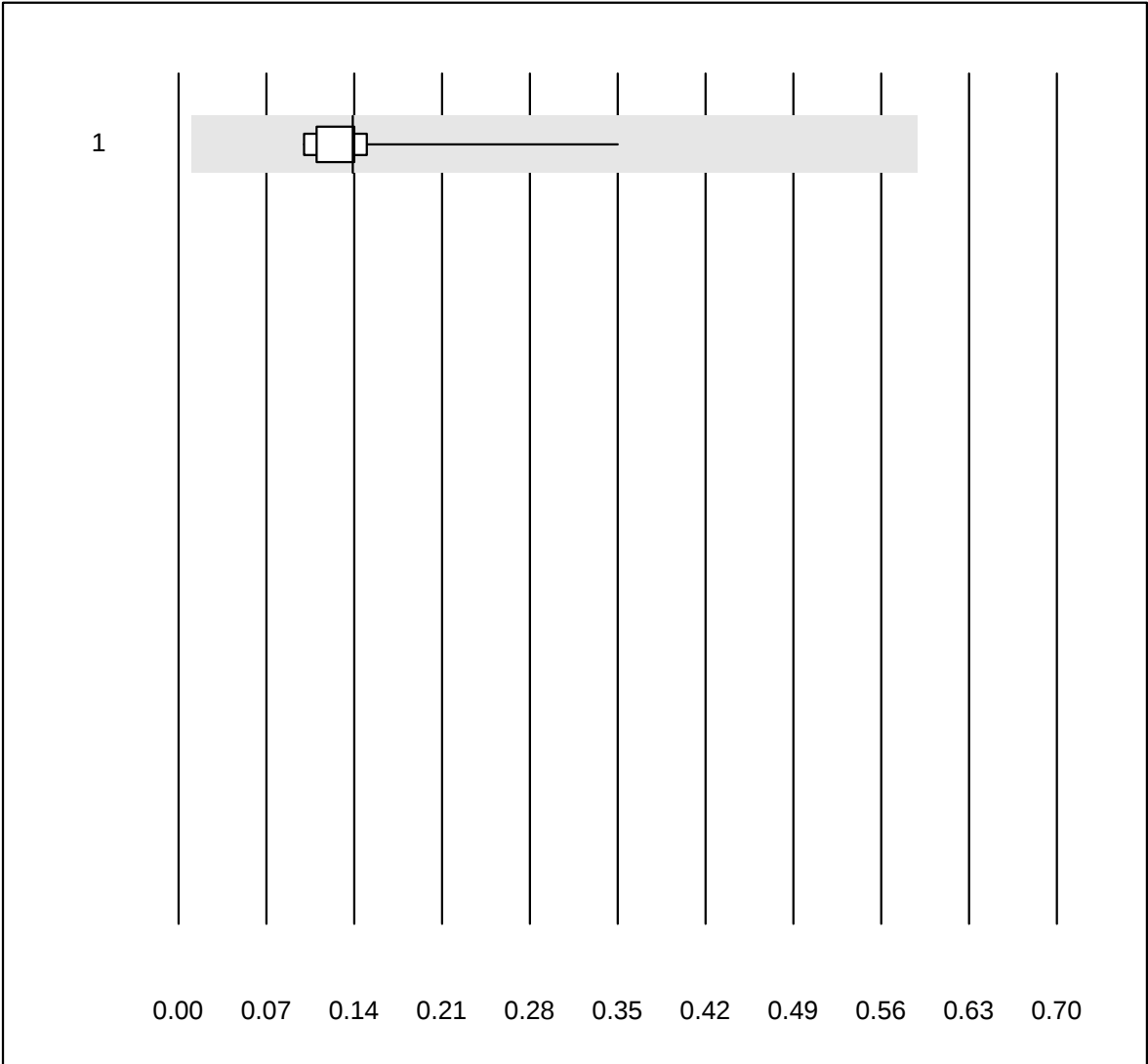


QUALAB tolerance : 20 %

free light chain lambda (mg/l)

| No. | Methode  | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|----------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | N Latex  | 6     | 100.0 | 0.0       | 0.0       | 10.60  | 3.2 | e    |
| 2   | Freelite | 12    | 100.0 | 0.0       | 0.0       | 17.88  | 7.7 | e    |

IgE peanut qn

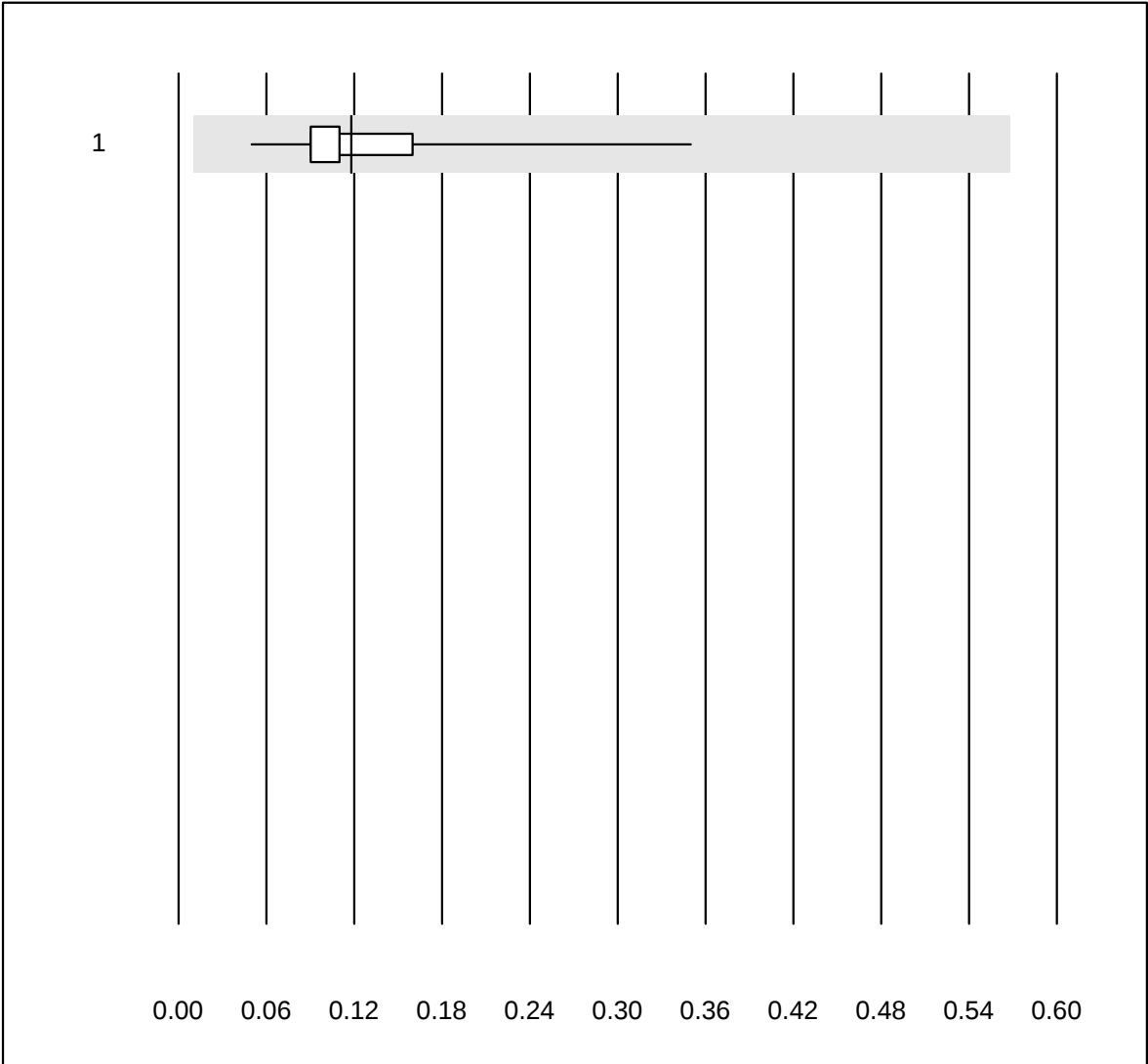


MQ tolerance : 30 %  
( < 1.50: +/- 0.45 kU/L)

IgE peanut qn (kU/L)

| No.Methode |                  | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------|------------------|-------|-------|-----------|-----------|--------|------|------|
| 1          | all Participants | 14    | 100.0 | 0.0       | 0.0       | 0.14   | 45.5 | e*   |

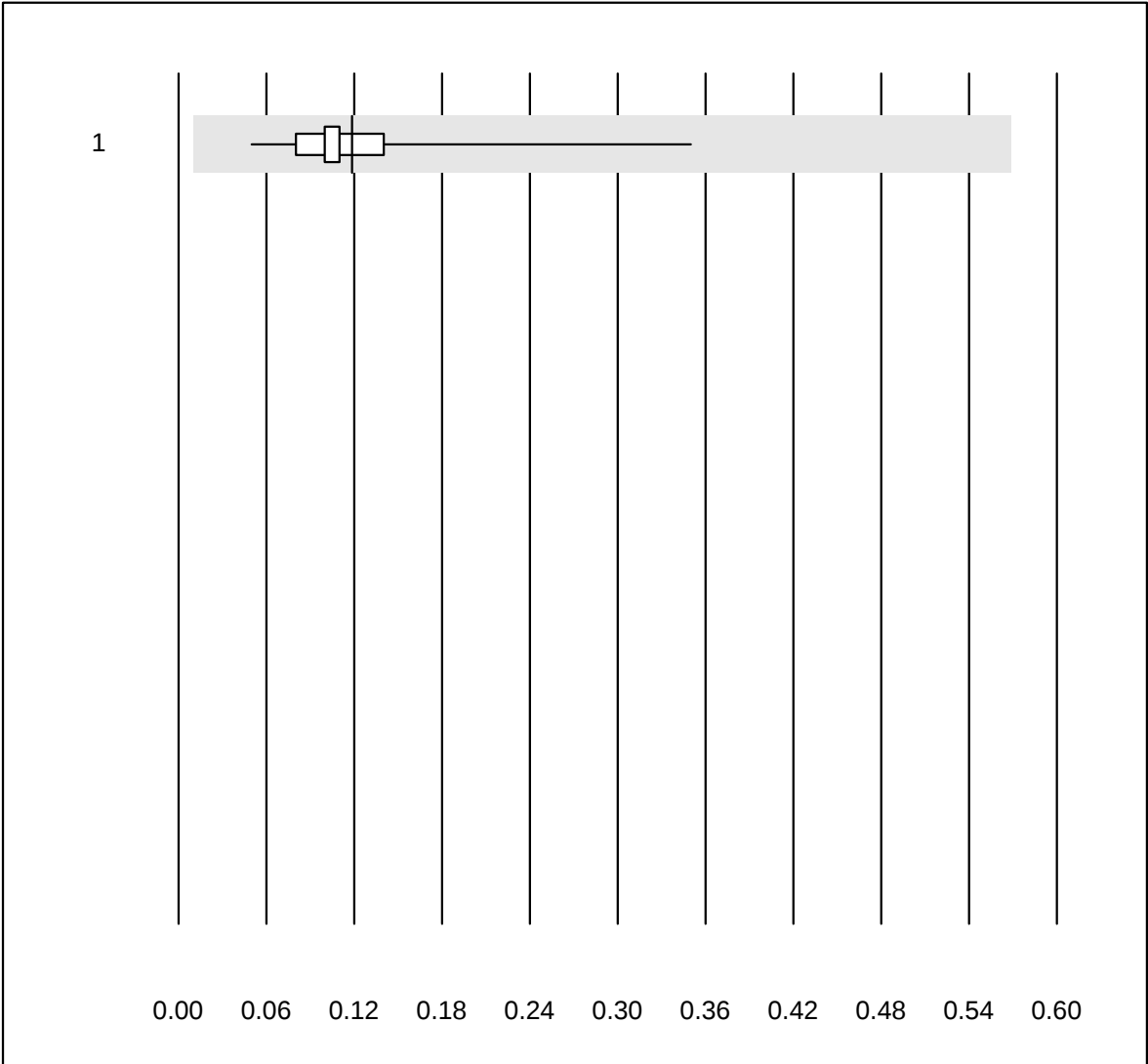
IgE birch qn



QUALAB tolerance : 30 %  
( < 1.50: +/- 0.45 kU/L)

| No.Methode |                  | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------|------------------|-------|-------|-----------|-----------|--------|------|------|
| 1          | all Participants | 15    | 100.0 | 0.0       | 0.0       | 0.12   | 57.6 | e*   |

IgE cat qn

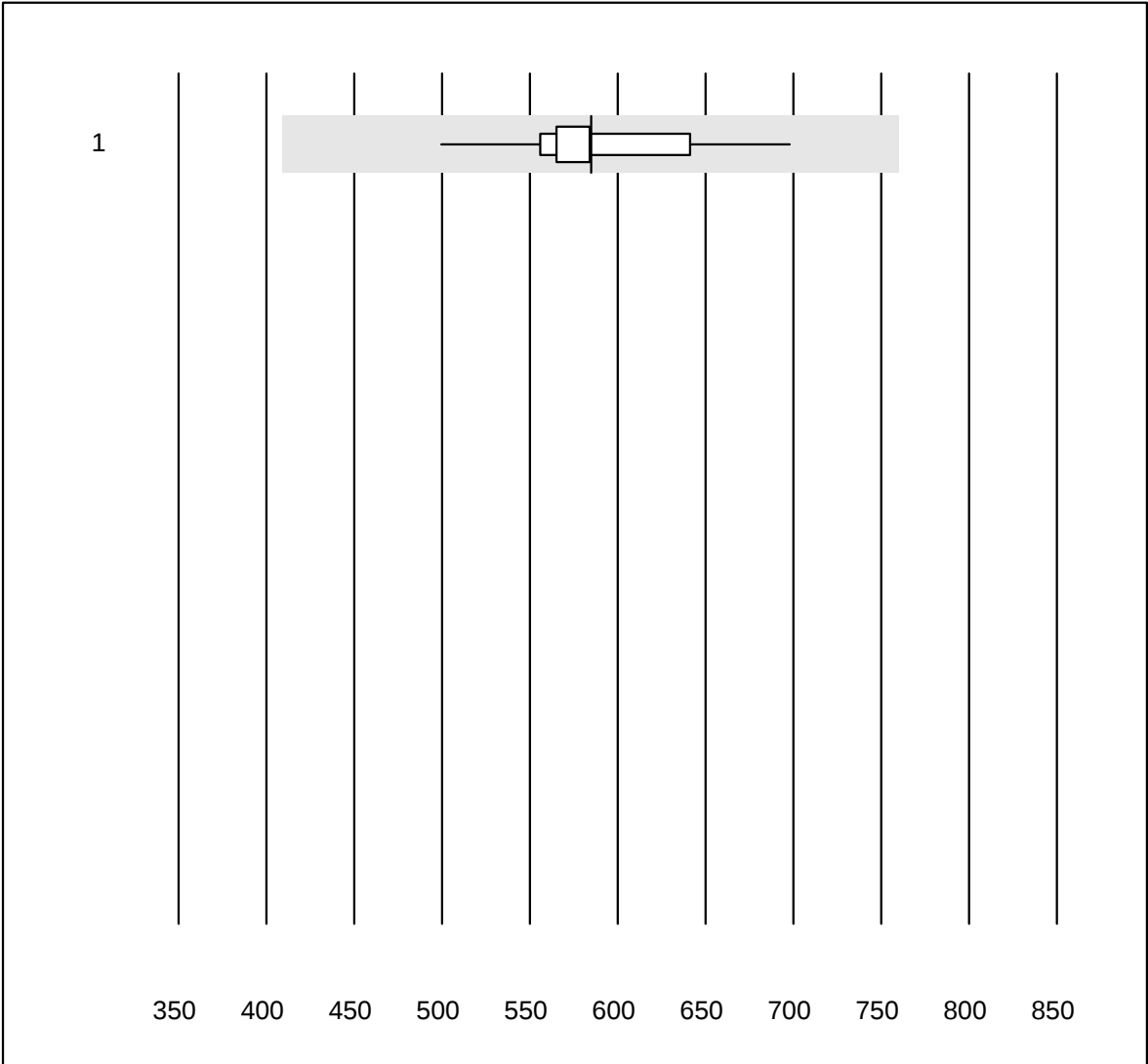


QUALAB tolerance : 30 %  
( < 1.50: +/- 0.45 kU/L)

IgE cat qn (kU/L)

| No.Methode |                  | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------|------------------|-------|-------|-----------|-----------|--------|------|------|
| 1          | all Participants | 14    | 100.0 | 0.0       | 0.0       | 0.12   | 58.8 | e*   |

IgE total



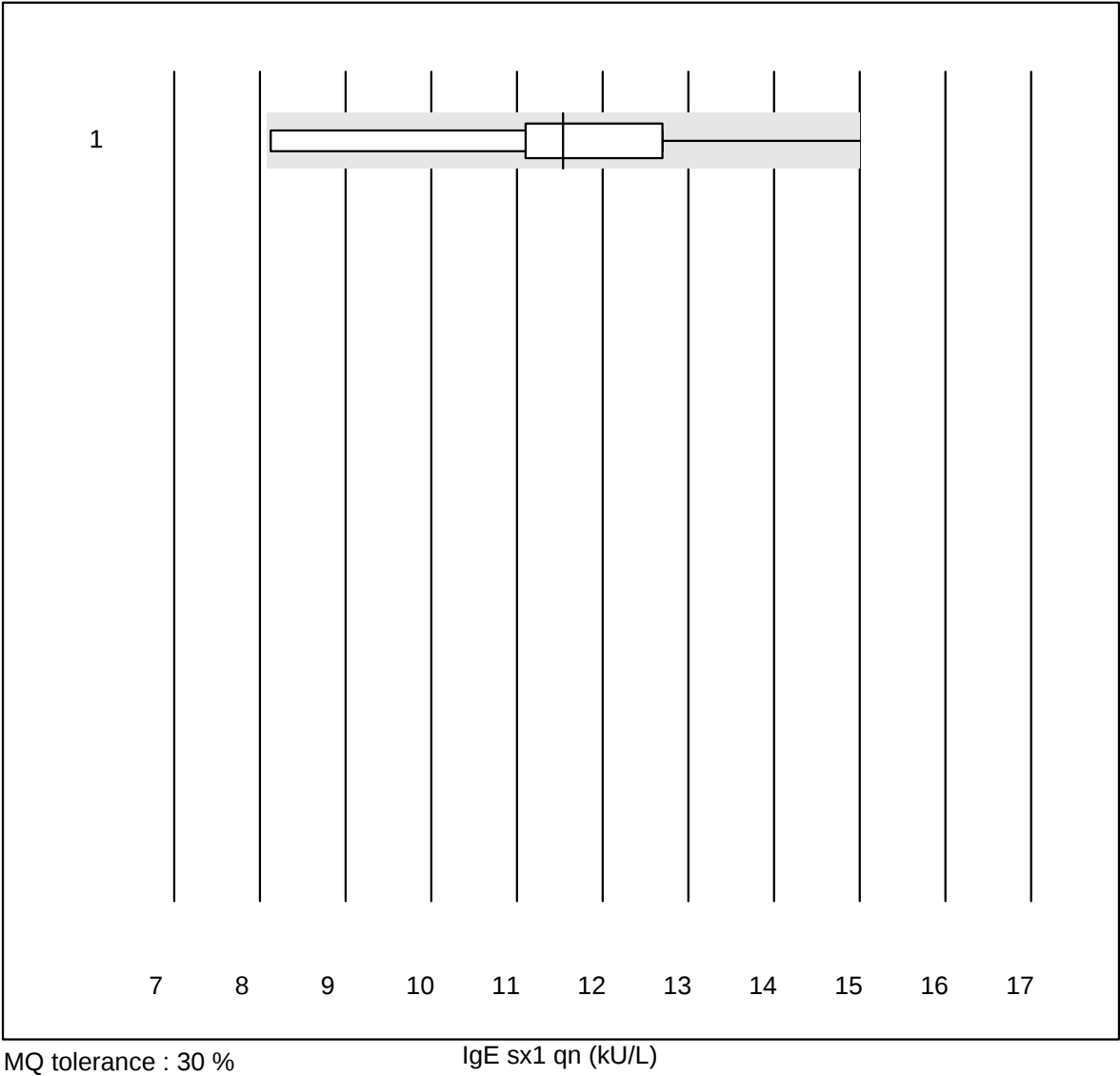
QUALAB tolerance : 30 %

IgE total (kU/L)

| No. | Methode          | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | all Participants | 14    | 100.0 | 0.0       | 0.0       | 585    | 7.7 | e    |

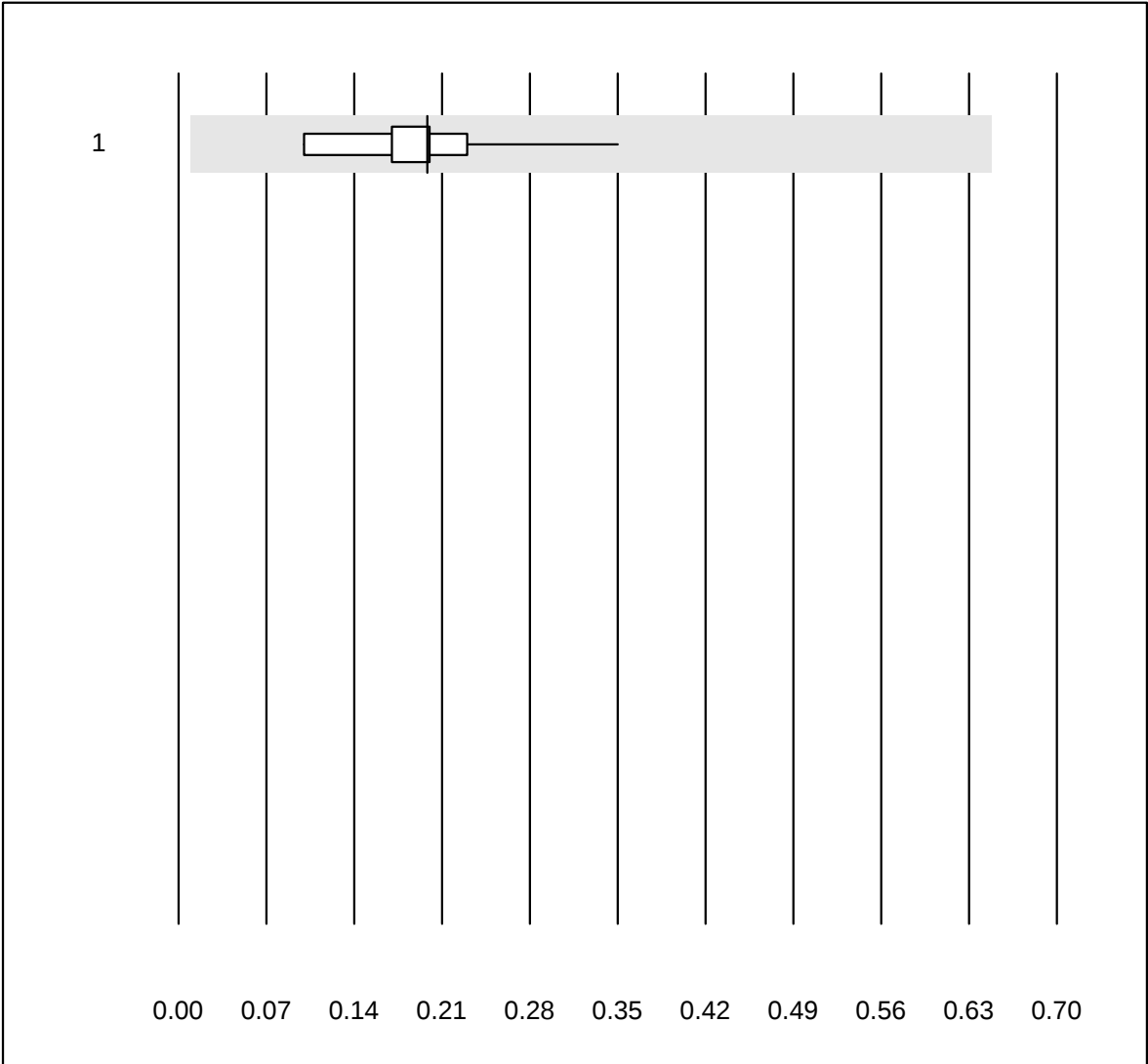
One result was submitted but not published because the method group was too small. (< 4 results per group)

IgE sx1 qn



| No.Methode |                  | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------|------------------|-------|-------|-----------|-----------|--------|------|------|
| 1          | all Participants | 10    | 100.0 | 0.0       | 0.0       | 11.54  | 14.7 | a    |

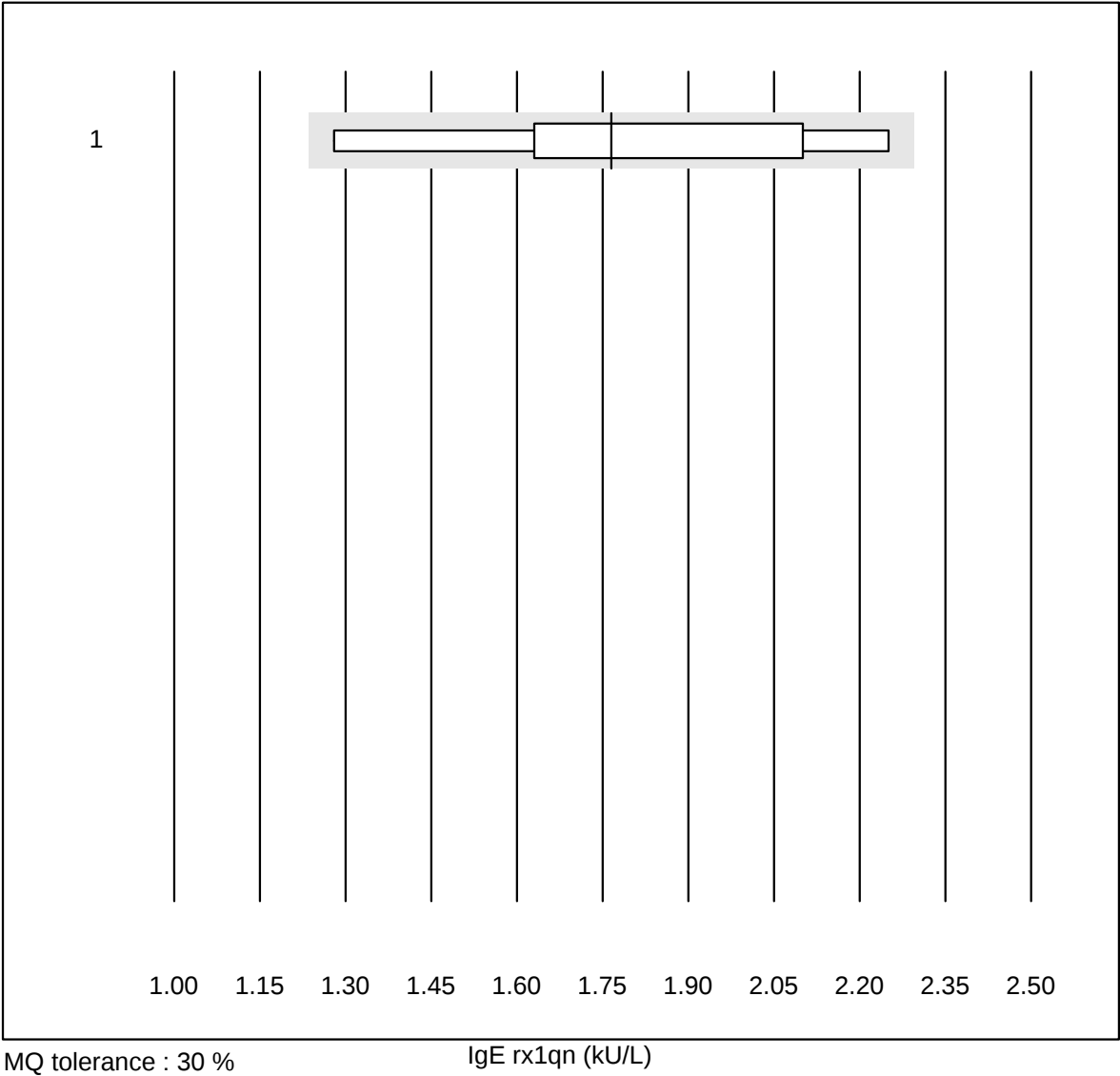
IgE fx5 qn



MQ tolerance : 30 %  
( < 1.50: +/- 0.45 kU/L)

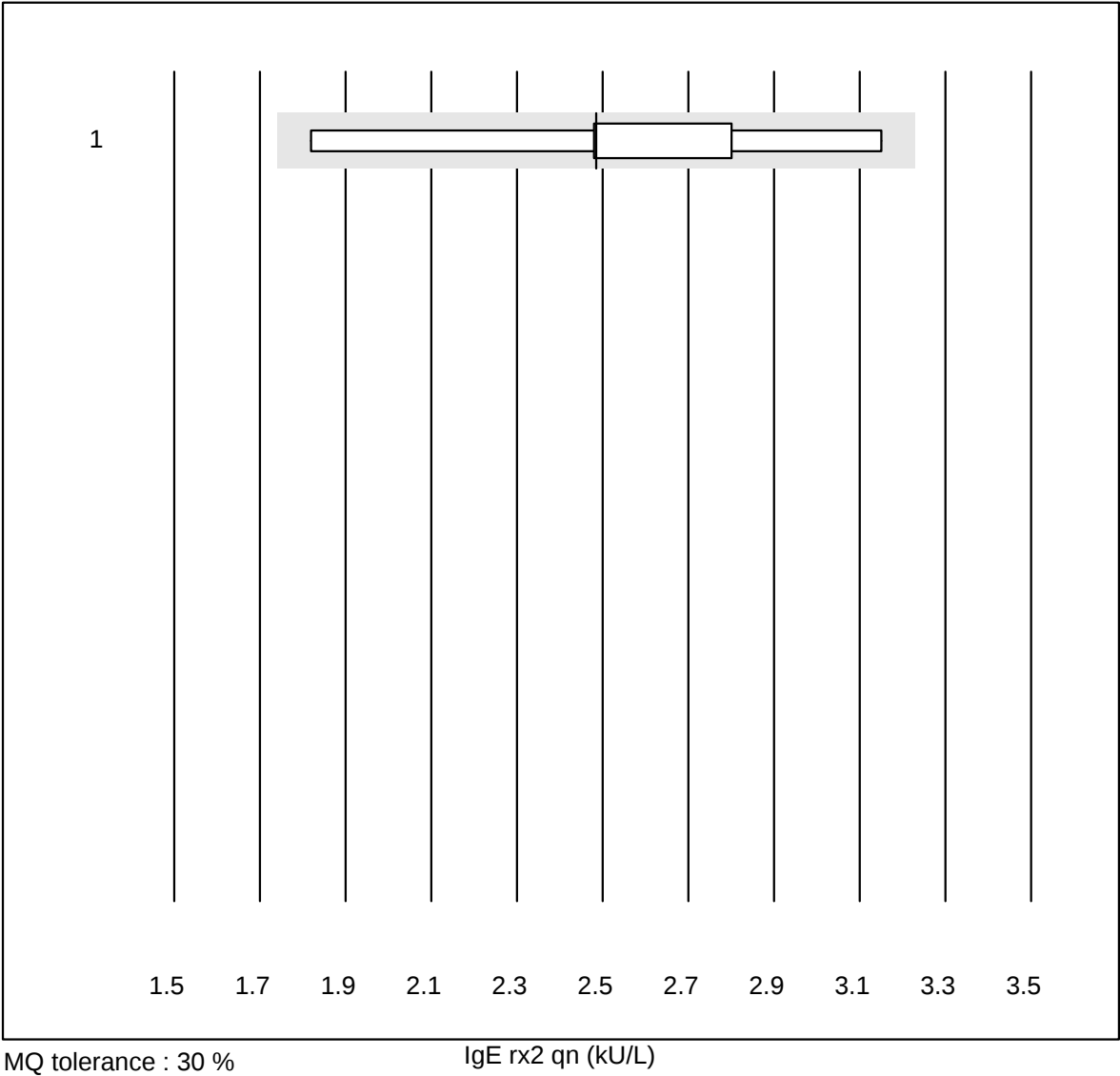
| No.Methode |                  | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------|------------------|-------|-------|-----------|-----------|--------|------|------|
| 1          | all Participants | 10    | 100.0 | 0.0       | 0.0       | 0.20   | 32.4 | e*   |

IgE rx1qn



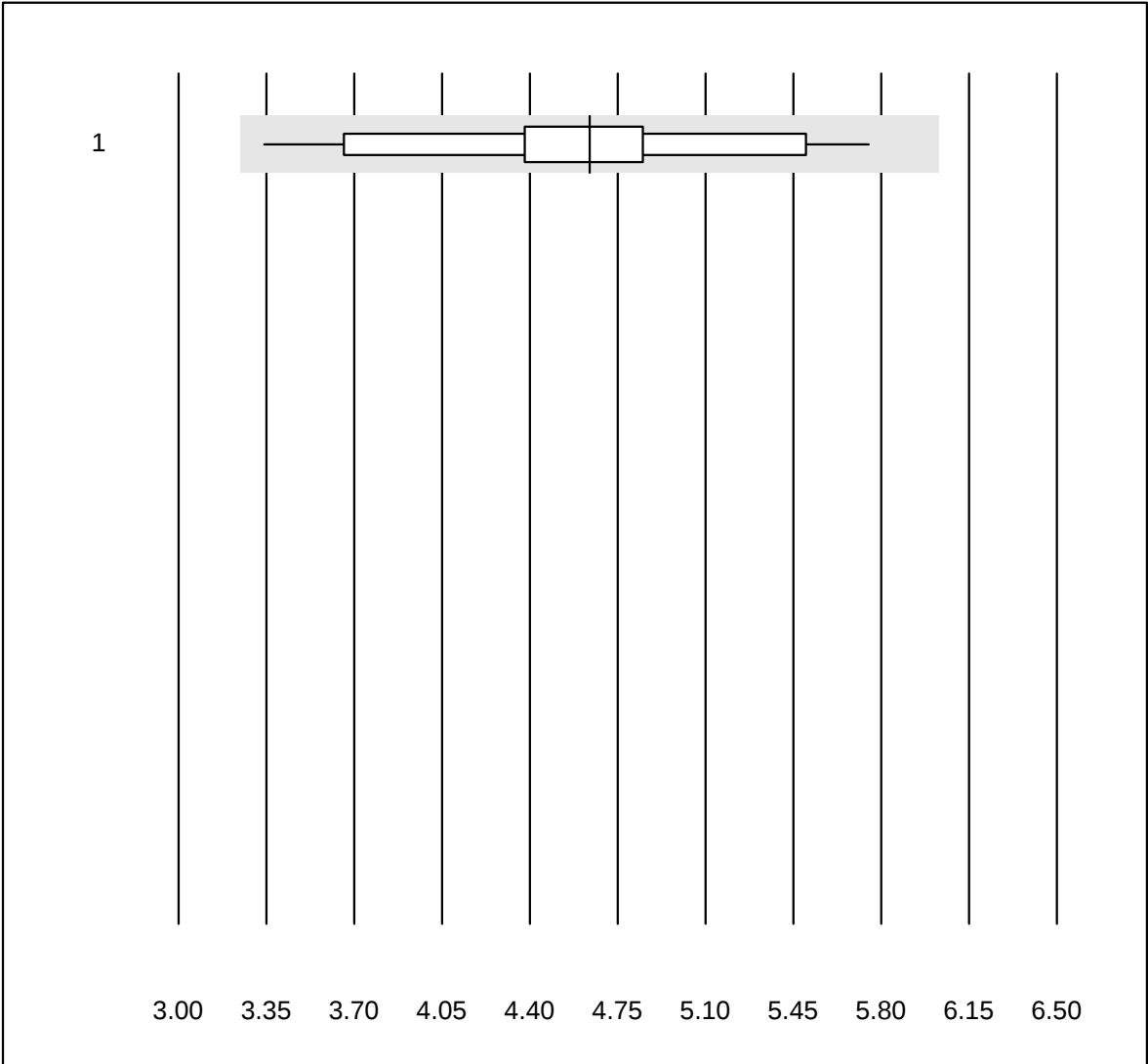
| No.Methode |                  | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------|------------------|-------|-------|-----------|-----------|--------|------|------|
| 1          | all Participants | 8     | 100.0 | 0.0       | 0.0       | 1.77   | 17.4 | a    |

IgE rx2 qn



| No. | Methode          | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----|------------------|-------|-------|-----------|-----------|--------|------|------|
| 1   | all Participants | 8     | 100.0 | 0.0       | 0.0       | 2.49   | 15.8 | a    |

IgE D. pteronyssinus qn

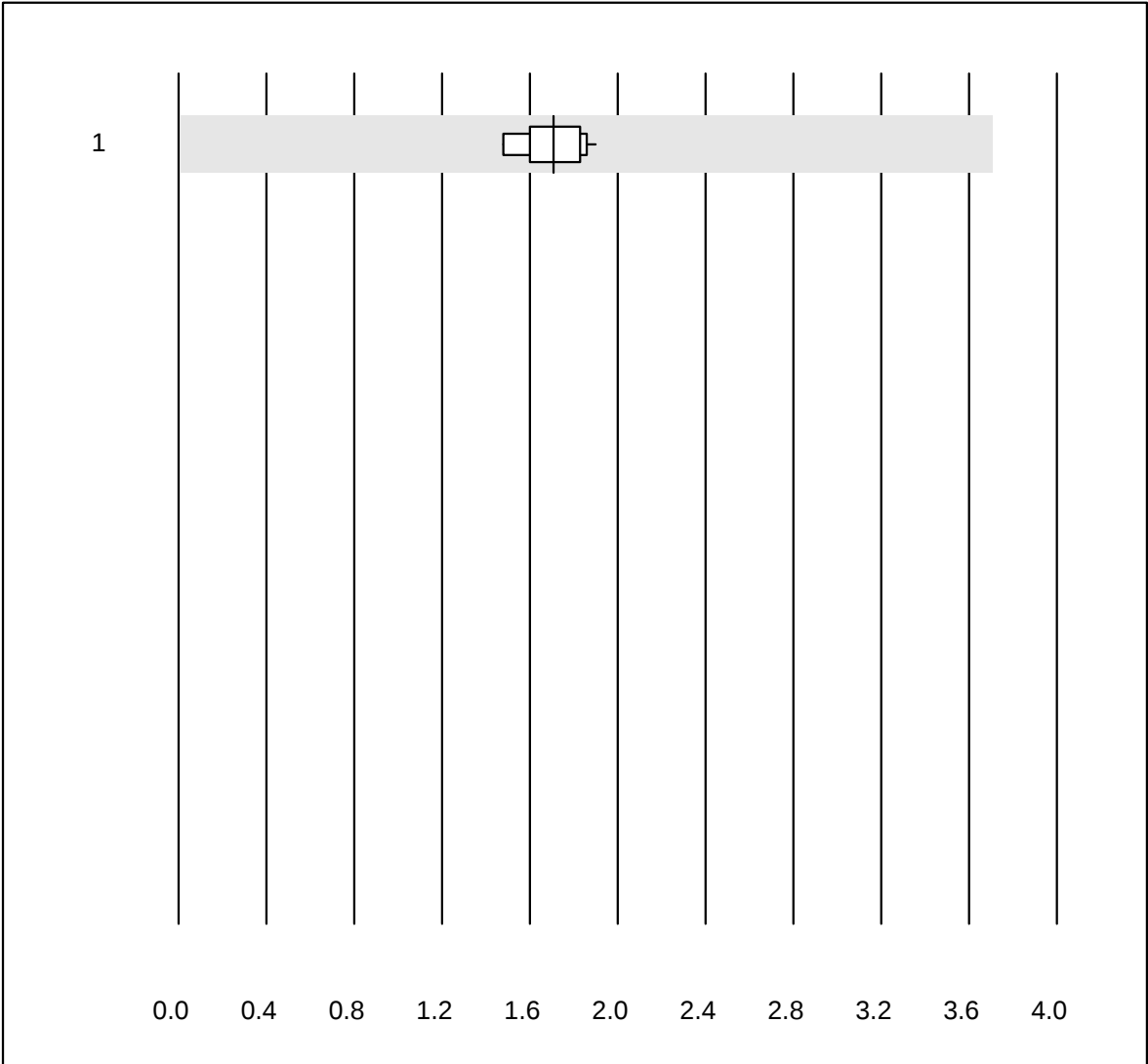


QUALAB tolerance : 30 %

IgE D. pteronyssinus qn (kU/L)

| No.                                                                                                        | Methode          | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------------------------------------------------------------------------------------------------------|------------------|-------|-------|-----------|-----------|--------|------|------|
| 1                                                                                                          | all Participants | 12    | 100.0 | 0.0       | 0.0       | 4.64   | 14.5 | e*   |
| One result was submitted but not published because the method group was too small. (< 4 results per group) |                  |       |       |           |           |        |      |      |

CRP HS



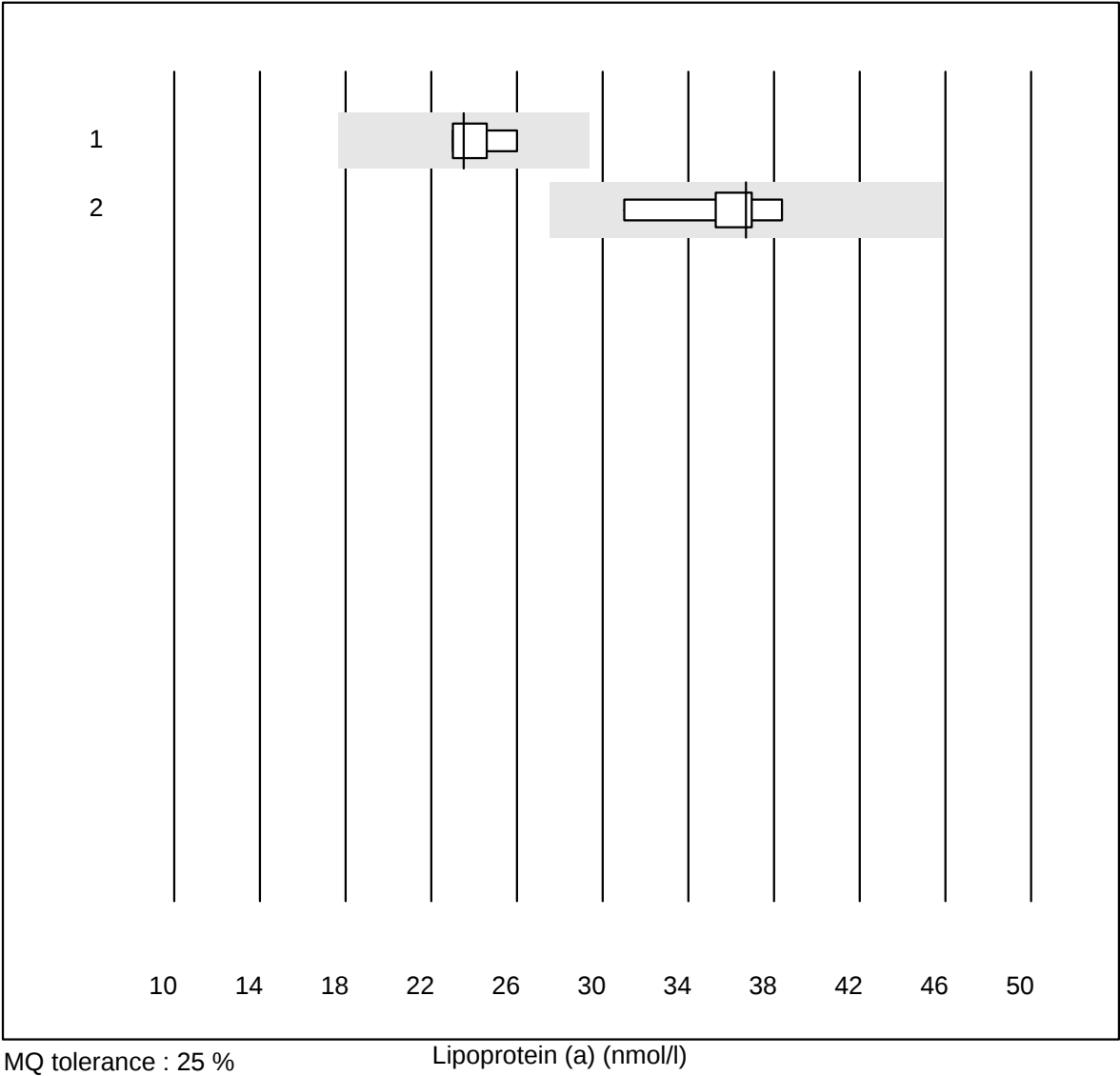
QUALAB tolerance : 21 %  
( < 10.00: +/- 2.00 mg/l)

CRP HS (mg/l)

| No. | Methode      | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|--------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Turbidimetry | 10    | 100.0 | 0.0       | 0.0       | 1.71   | 7.8 | e    |

One result was submitted but not published because the method group was too small. (< 4 results per group)

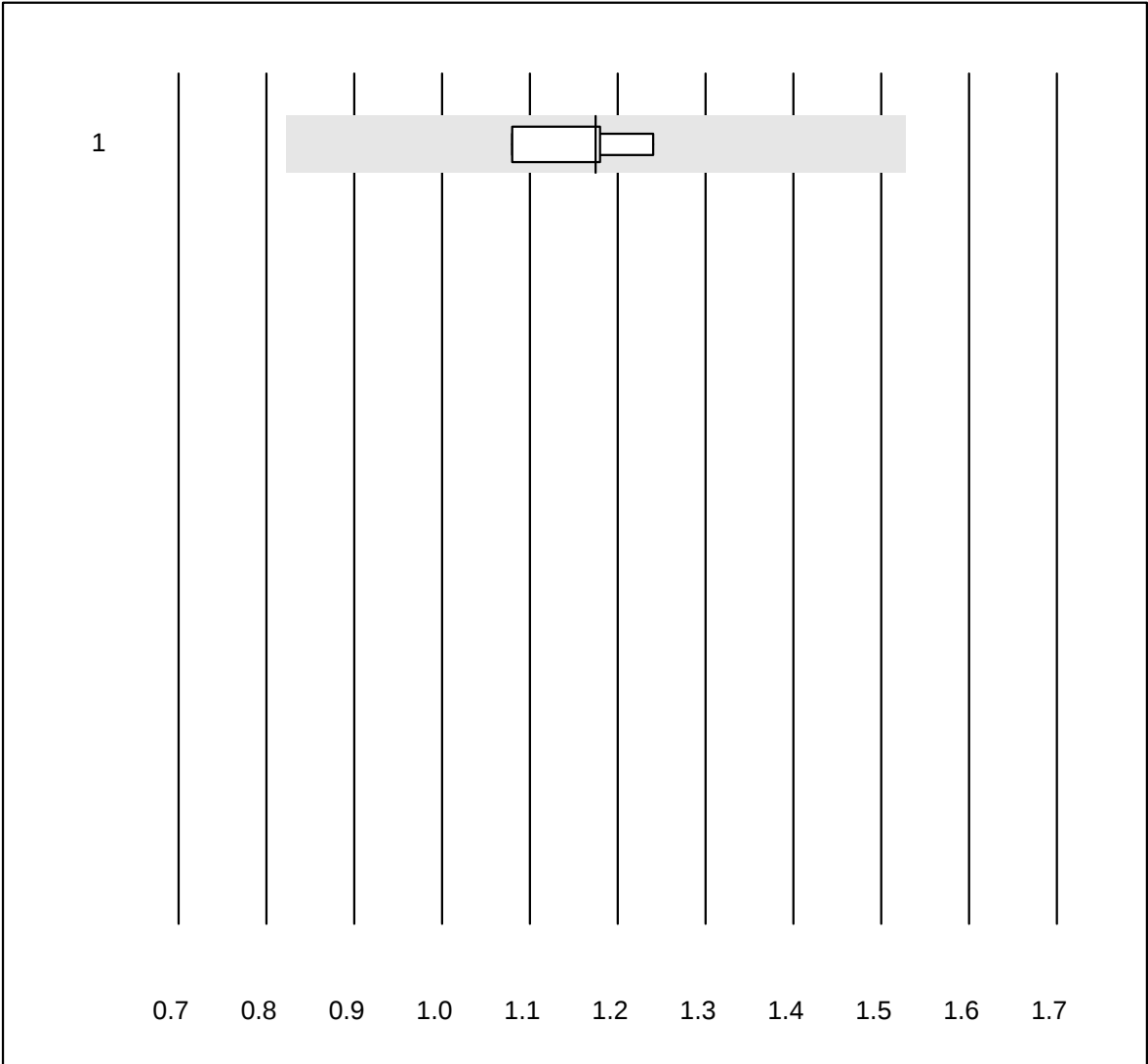
Lipoprotein (a)



MQ tolerance : 25 %

| No.Methode |                  | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | all Participants | 7     | 100.0 | 0.0       | 0.0       | 24     | 4.6 | e    |
| 2          | Others           | 5     | 100.0 | 0.0       | 0.0       | 37     | 7.9 | e*   |

Apolipoprotein A1

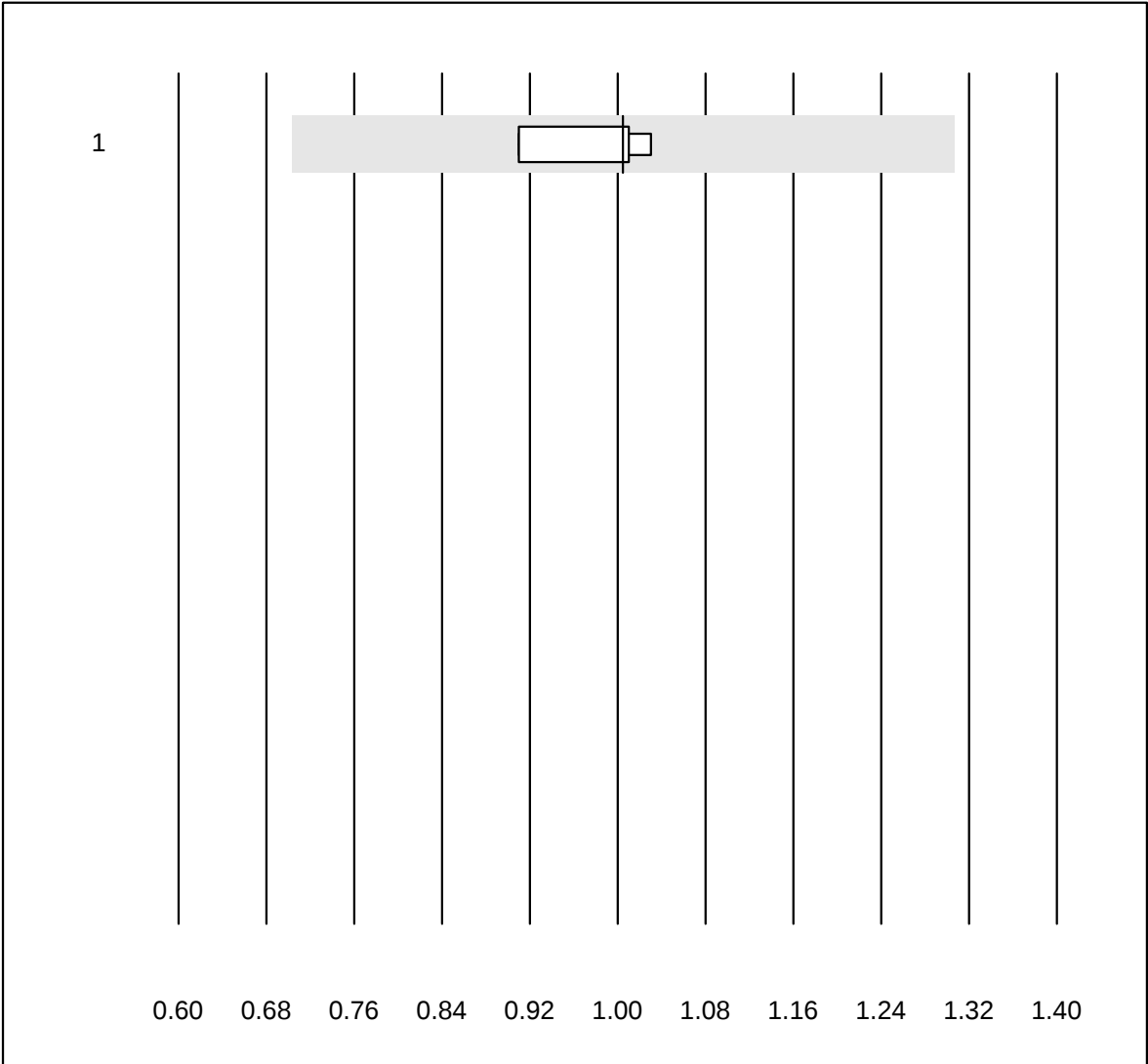


MQ tolerance : 30 %

Apolipoprotein A1 (g/l)

| No. | Methode | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|---------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Alinity | 4     | 100.0 | 0.0       | 0.0       | 1.18   | 5.7 | e    |

Apolipoprotein B

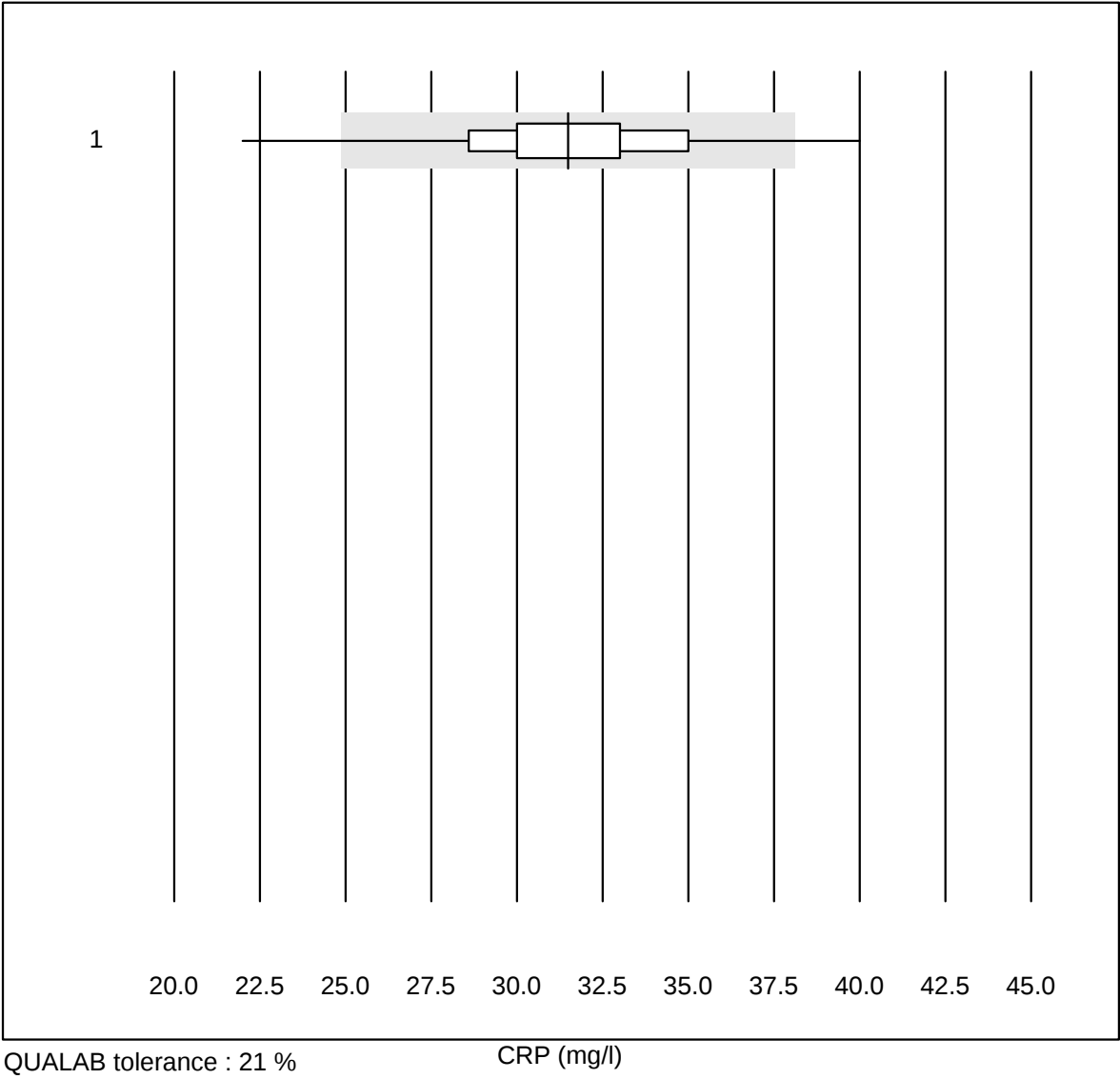


MQ tolerance : 30 %

Apolipoprotein B (g/l)

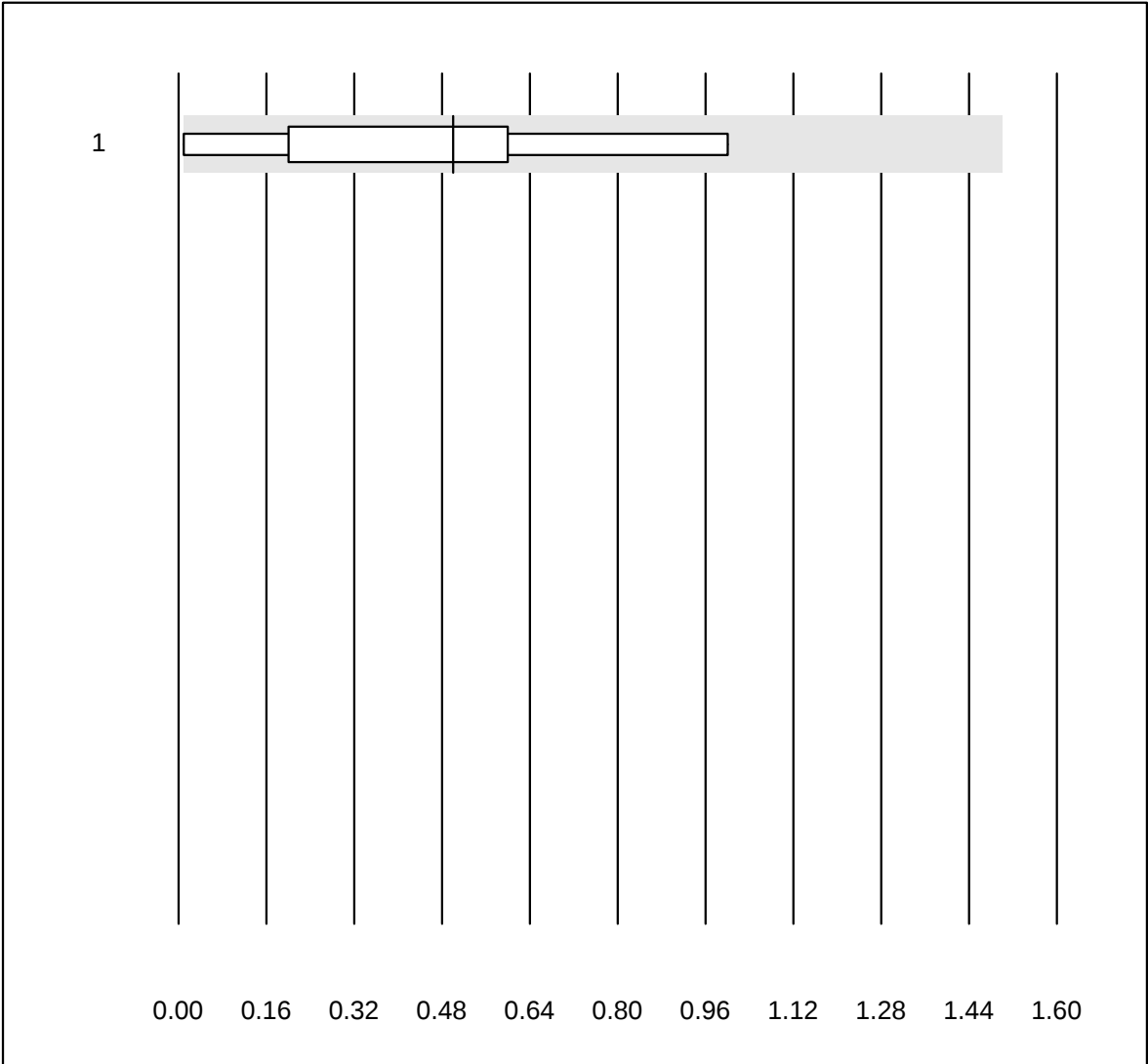
| No. | Methode | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|---------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Alinity | 4     | 100.0 | 0.0       | 0.0       | 1.0    | 5.4 | e    |

CRP



| No.Methode |       | Total | % OK | % insuff. | % outlier | Target | CV% | Type |
|------------|-------|-------|------|-----------|-----------|--------|-----|------|
| 1          | AFIAS | 204   | 93.2 | 3.4       | 3.4       | 31.5   | 8.7 | e    |

Anti deam. Gliadin IgG

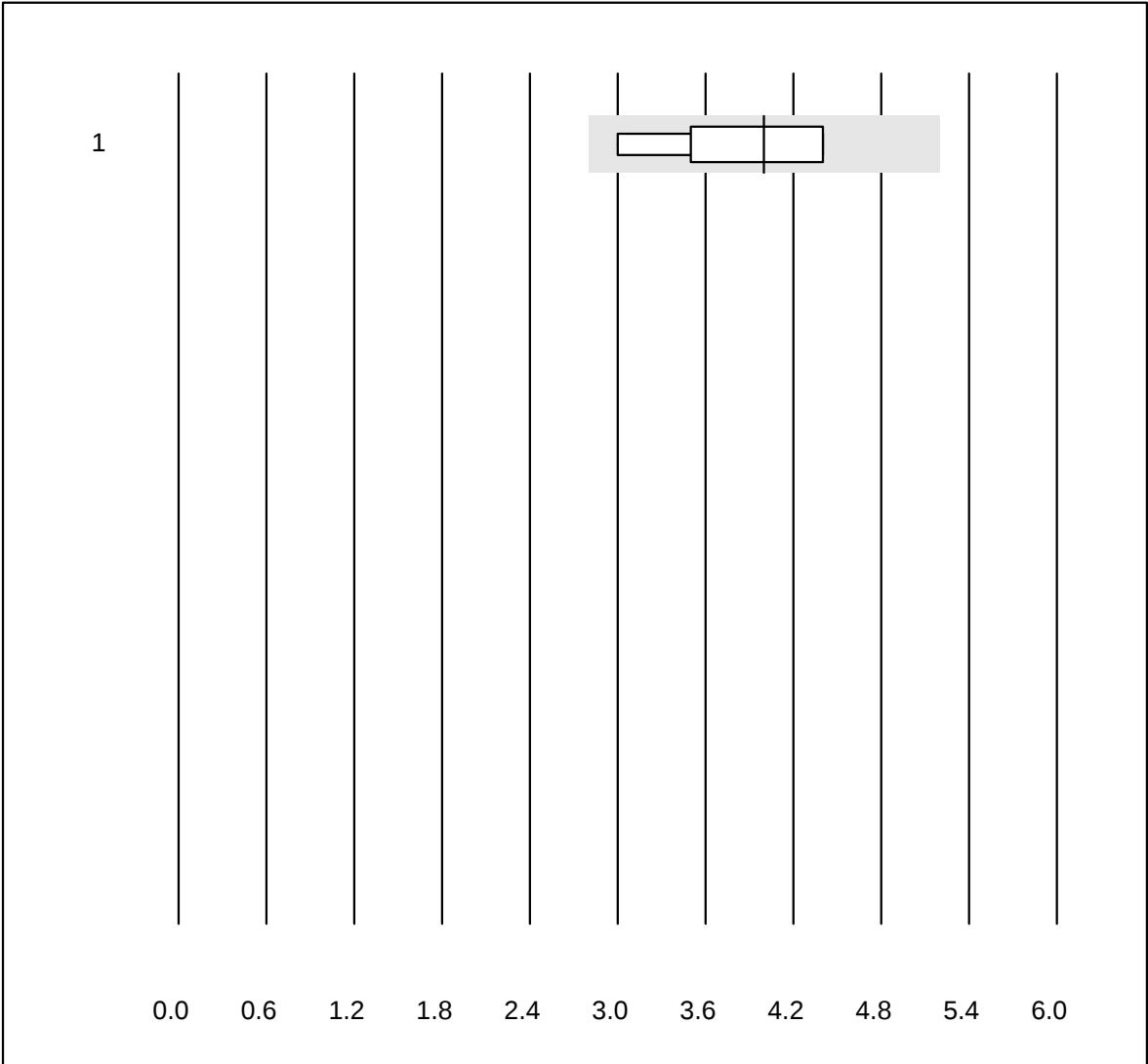


MQ tolerance : 30 %  
( < 2.00: +/- 1.00 U/ml)

Anti deam. Gliadin IgG (U/ml)

| No.                                                                                                                   | Methode | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----------------------------------------------------------------------------------------------------------------------|---------|-------|-------|-----------|-----------|--------|------|------|
| 1                                                                                                                     | Phadia  | 8     | 100.0 | 0.0       | 0.0       | 0.50   | 69.6 | e*   |
| 2 additional results were submitted but not published because the method groups were too small. (< results per group) |         |       |       |           |           |        |      |      |

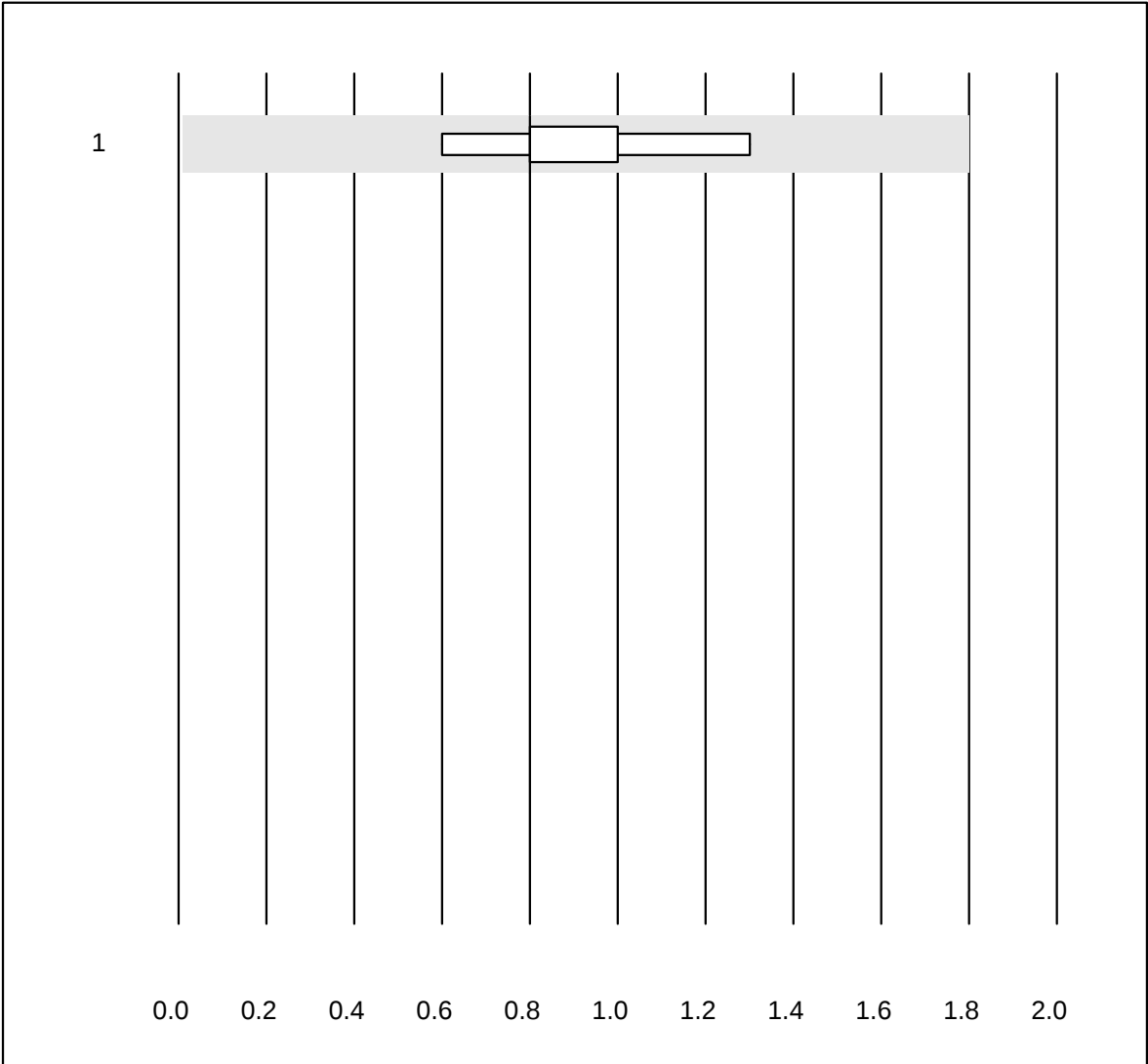
Anti deam. Gliadin IgA



MQ tolerance : 30 %      Anti deam. Gliadin IgA (U/ml)

| No.                                                                                                                   | Methode | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----------------------------------------------------------------------------------------------------------------------|---------|-------|-------|-----------|-----------|--------|------|------|
| 1                                                                                                                     | Phadia  | 7     | 100.0 | 0.0       | 0.0       | 4.00   | 12.9 | e*   |
| 2 additional results were submitted but not published because the method groups were too small. (< results per group) |         |       |       |           |           |        |      |      |

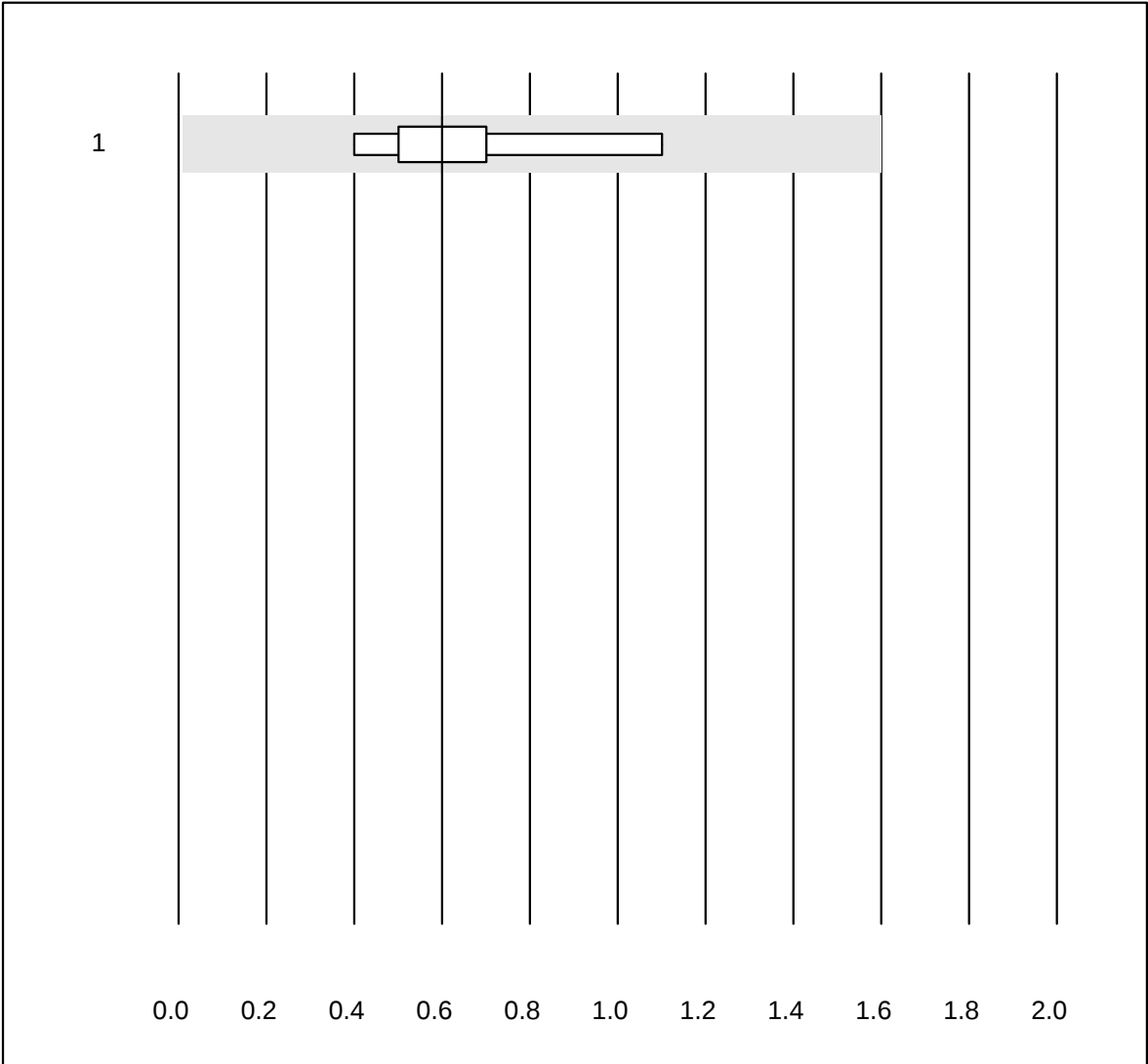
Anti tTG IgG



MQ tolerance : 30 %  
( < 2.00: +/- 1.00 U/ml)

| No.Methode |               | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------|---------------|-------|-------|-----------|-----------|--------|------|------|
| 1          | Other methods | 5     | 100.0 | 0.0       | 0.0       | 0.80   | 29.4 | e*   |

Anti tTG IgA

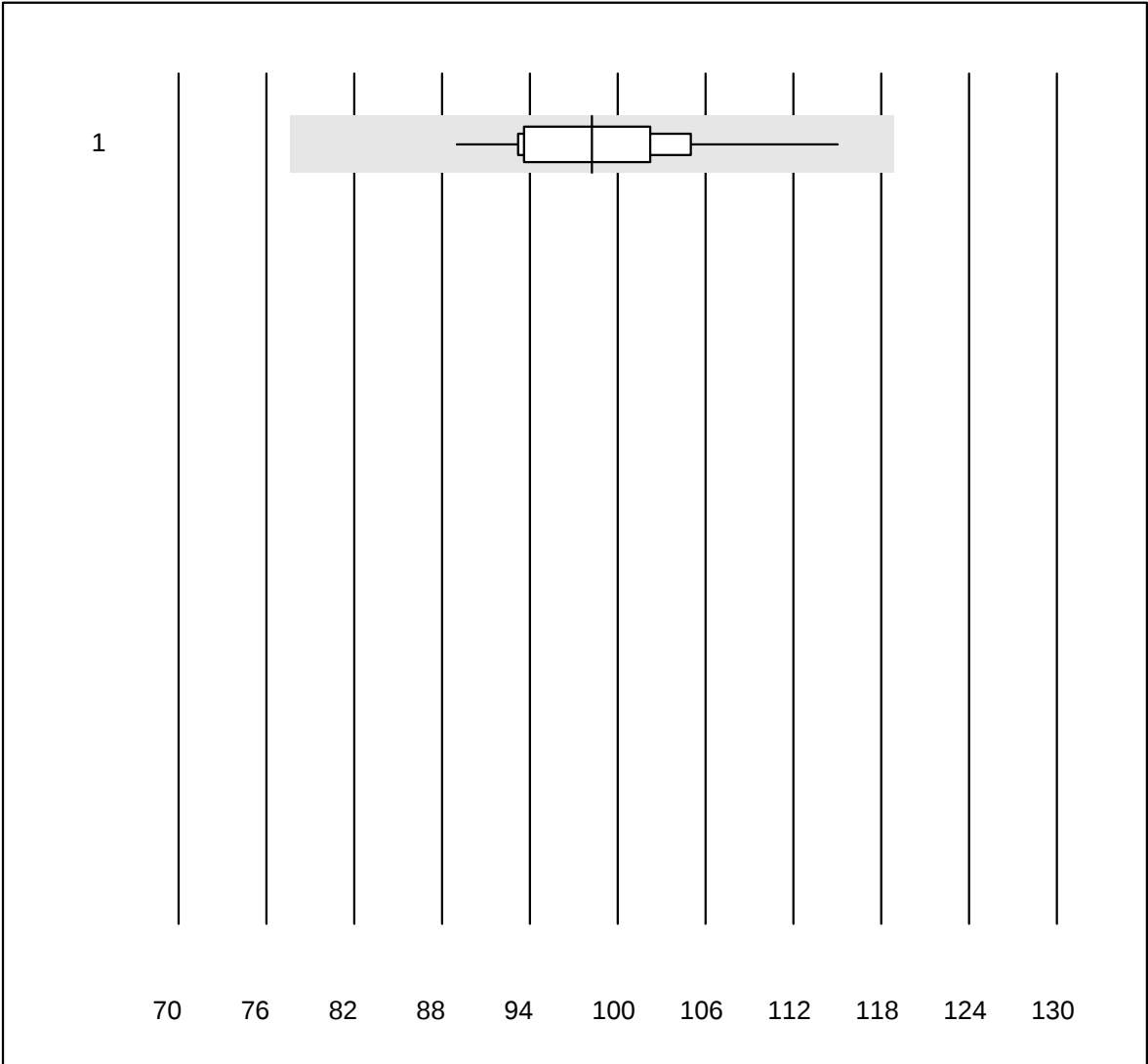


MQ tolerance : 30 %  
( < 2.00: +/- 1.00 U/ml)

Anti tTG IgA (U/ml)

| No.                                                                                                                   | Methode       | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----------------------------------------------------------------------------------------------------------------------|---------------|-------|-------|-----------|-----------|--------|------|------|
| 1                                                                                                                     | Other methods | 9     | 100.0 | 0.0       | 0.0       | 0.60   | 36.7 | e*   |
| 2 additional results were submitted but not published because the method groups were too small. (< results per group) |               |       |       |           |           |        |      |      |

CRP Lumira

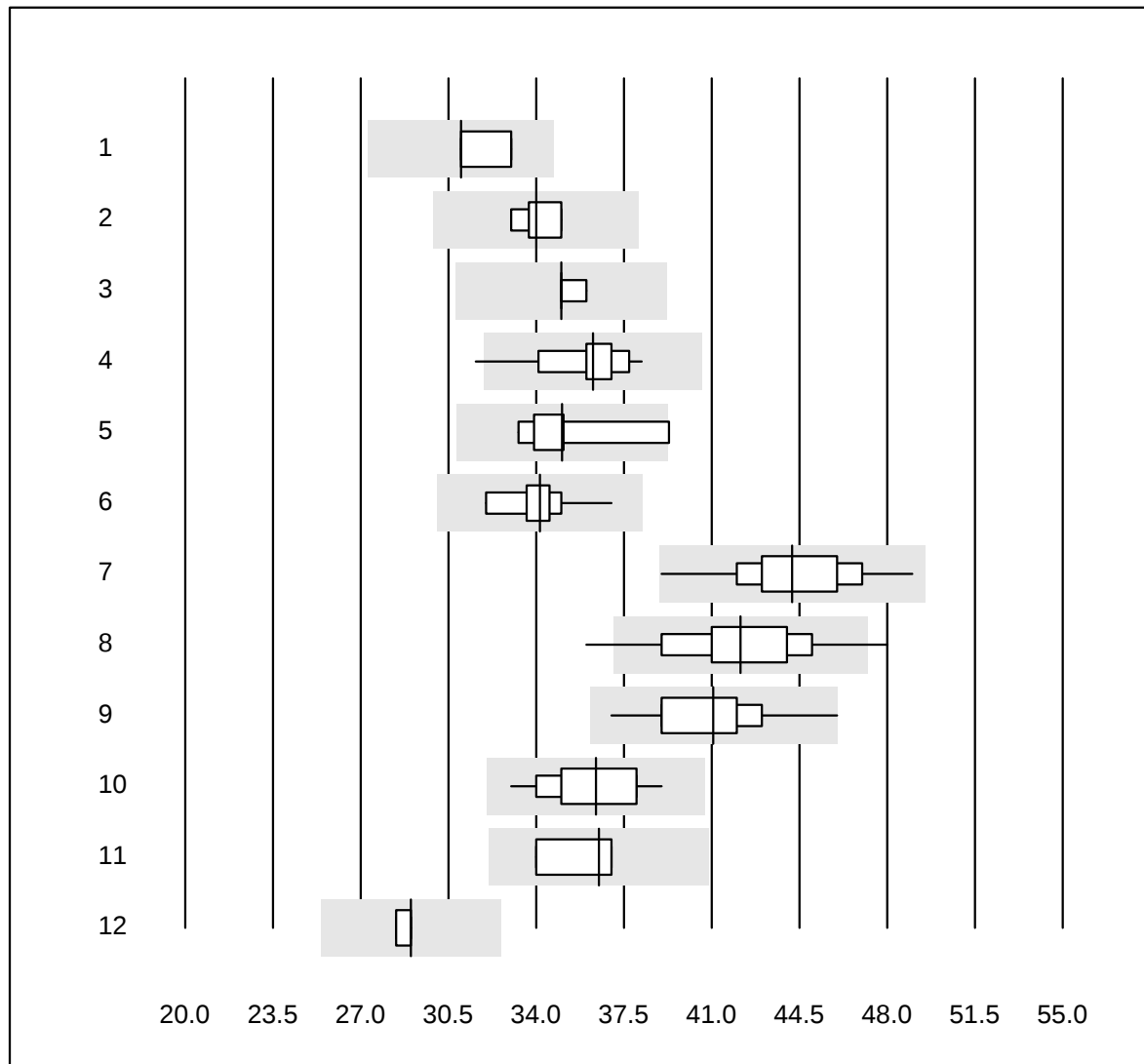


QUALAB tolerance : 21 %

CRP Lumira (mg/l)

| No.Methode |           | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|-----------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Lumira Dx | 11    | 100.0 | 0.0       | 0.0       | 98.2   | 7.3 | e    |

## Albumine



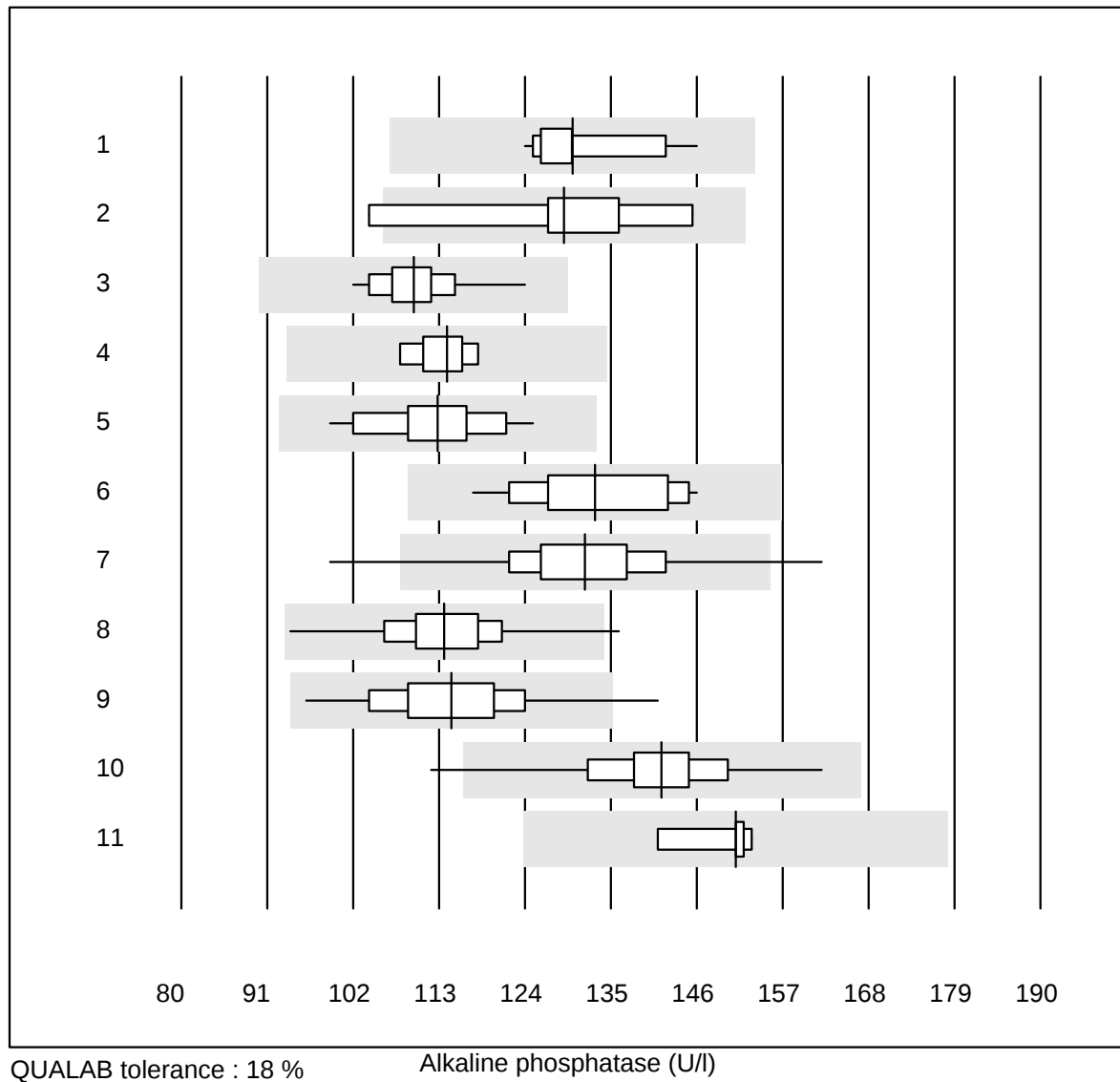
QUALAB tolerance : 12 %  
( < 30.0: +/- 3.6 g/l)

Albumine (g/l)

| No. | Method             | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|--------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Turbidimetry       | 5     | 100.0 | 0.0       | 0.0       | 31.0   | 3.4 | e*   |
| 2   | Abbott             | 9     | 100.0 | 0.0       | 0.0       | 34.0   | 2.3 | e    |
| 3   | Beckman            | 4     | 100.0 | 0.0       | 0.0       | 35.0   | 1.4 | e    |
| 4   | Roche              | 37    | 97.3  | 2.7       | 0.0       | 36.3   | 3.7 | e    |
| 5   | Autolyser          | 8     | 87.5  | 12.5      | 0.0       | 35.0   | 5.2 | e*   |
| 6   | Selectra Pro       | 10    | 100.0 | 0.0       | 0.0       | 34.1   | 3.8 | e    |
| 7   | Fuji Dri-Chem      | 245   | 98.8  | 0.0       | 1.2       | 44.2   | 4.2 | e    |
| 8   | Spotchem D-Concept | 235   | 99.1  | 0.9       | 0.0       | 42.2   | 5.2 | e    |
| 9   | Spotchem SP-4430   | 28    | 96.4  | 3.6       | 0.0       | 41.1   | 4.7 | e    |
| 10  | Piccolo            | 63    | 98.4  | 0.0       | 1.6       | 36.4   | 4.1 | e    |
| 11  | Skylla             | 4     | 100.0 | 0.0       | 0.0       | 36.5   | 3.9 | e*   |
| 12  | Hitachi S40/M40    | 4     | 100.0 | 0.0       | 0.0       | 29.0   | 1.0 | e    |

4 additional results were submitted but not published because the method groups were too small. (< results per group)

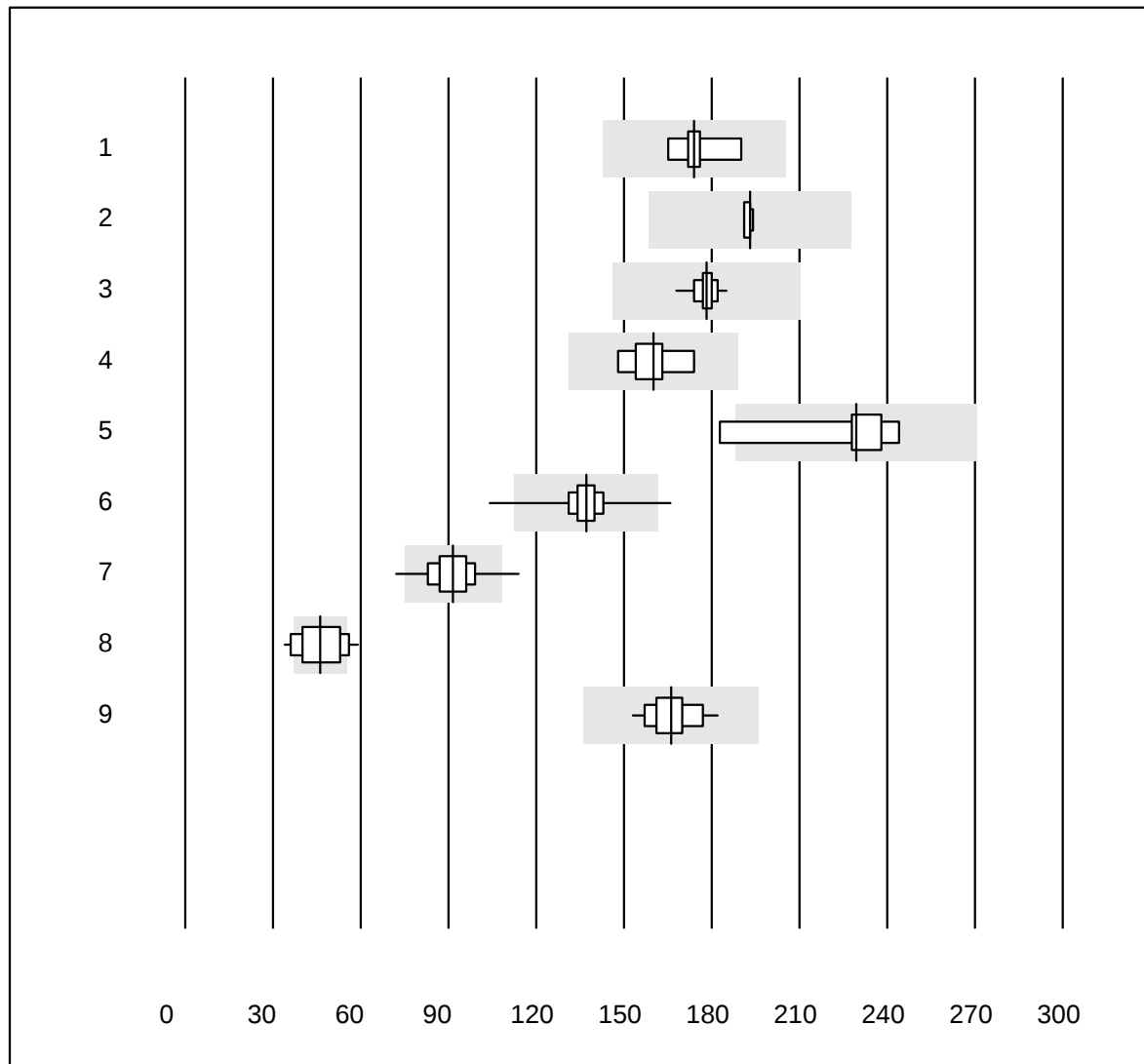
## Alkaline phosphatase



| No. | Methode            | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----|--------------------|-------|-------|-----------|-----------|--------|------|------|
| 1   | Abbott             | 12    | 100.0 | 0.0       | 0.0       | 130    | 5.3  | e    |
| 2   | Beckman            | 6     | 83.3  | 16.7      | 0.0       | 129    | 10.7 | e*   |
| 3   | Roche              | 37    | 100.0 | 0.0       | 0.0       | 110    | 4.2  | e    |
| 4   | Siemens            | 7     | 100.0 | 0.0       | 0.0       | 114    | 2.9  | e    |
| 5   | Autolyser          | 22    | 100.0 | 0.0       | 0.0       | 113    | 6.2  | e    |
| 6   | Selectra Pro       | 15    | 100.0 | 0.0       | 0.0       | 133    | 6.6  | e    |
| 7   | Fuji Dri-Chem      | 1030  | 98.4  | 0.8       | 0.8       | 132    | 6.2  | e    |
| 8   | Spotchem D-Concept | 559   | 99.3  | 0.2       | 0.5       | 114    | 5.3  | e    |
| 9   | Spotchem SP-4430   | 77    | 97.4  | 2.6       | 0.0       | 115    | 7.3  | e    |
| 10  | Piccolo            | 50    | 96.0  | 4.0       | 0.0       | 141    | 6.0  | e    |
| 11  | Skyla              | 5     | 100.0 | 0.0       | 0.0       | 151    | 3.3  | e    |

One result was submitted but not published because the method group was too small. (< 4 results per group)

## Amylase



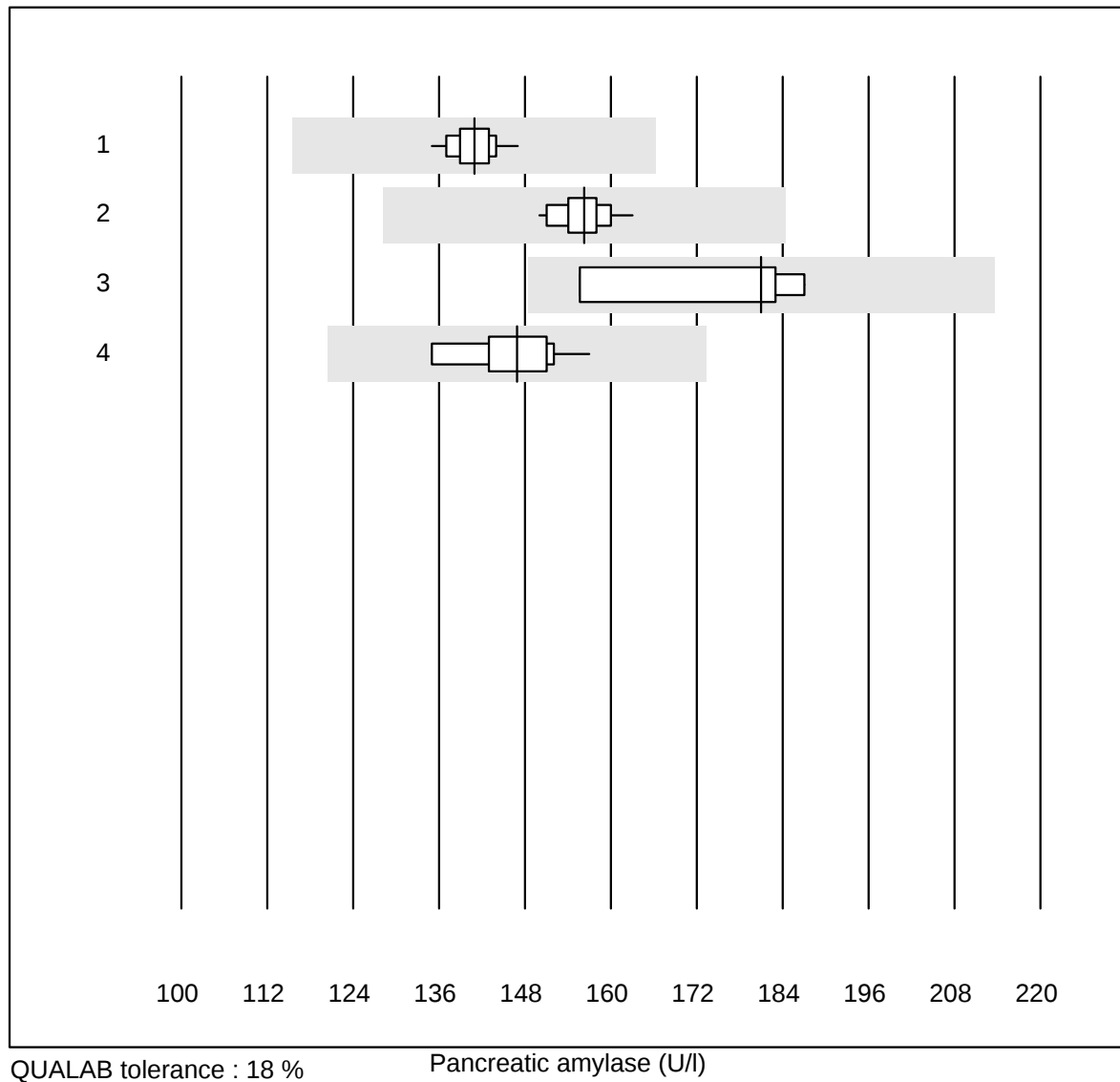
QUALAB tolerance : 18 %  
( < 50: +/- 9 U/l)

Amylase (U/l)

| No. | Methode            | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----|--------------------|-------|-------|-----------|-----------|--------|------|------|
| 1   | Abbott             | 9     | 100.0 | 0.0       | 0.0       | 174    | 3.8  | e    |
| 2   | Beckman            | 4     | 100.0 | 0.0       | 0.0       | 193    | 0.7  | e    |
| 3   | Roche              | 15    | 100.0 | 0.0       | 0.0       | 178    | 2.1  | e    |
| 4   | Autolyser          | 9     | 100.0 | 0.0       | 0.0       | 160    | 5.3  | e    |
| 5   | Selectra Pro       | 10    | 90.0  | 10.0      | 0.0       | 229    | 7.7  | e*   |
| 6   | Fuji Dri-Chem      | 736   | 99.2  | 0.7       | 0.1       | 137    | 4.2  | e    |
| 7   | Spotchem D-Concept | 396   | 99.0  | 1.0       | 0.0       | 92     | 7.0  | e    |
| 8   | Spotchem SP-4430   | 61    | 62.2  | 23.0      | 14.8      | 46     | 16.1 | e    |
| 9   | Piccolo            | 59    | 100.0 | 0.0       | 0.0       | 166    | 4.1  | e    |

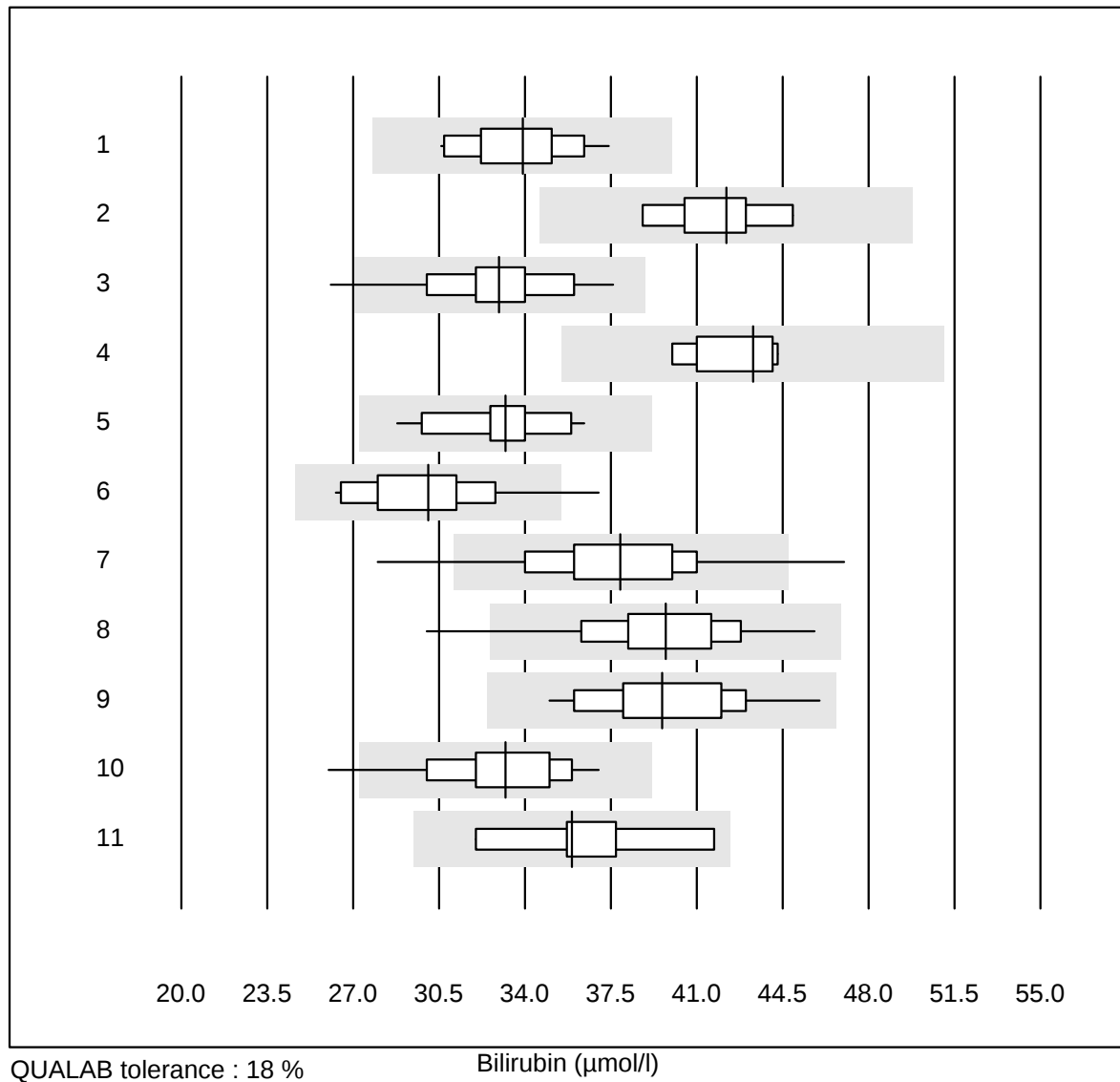
4 additional results were submitted but not published because the method groups were too small. (< results per group)

## Pancreatic amylase



| No. | Methode   | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|-----------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Abbott    | 13    | 100.0 | 0.0       | 0.0       | 141    | 2.3 | e    |
| 2   | Roche     | 17    | 100.0 | 0.0       | 0.0       | 156    | 2.2 | e    |
| 3   | Siemens   | 4     | 100.0 | 0.0       | 0.0       | 181    | 8.0 | e*   |
| 4   | Autolyser | 10    | 100.0 | 0.0       | 0.0       | 147    | 4.2 | e    |

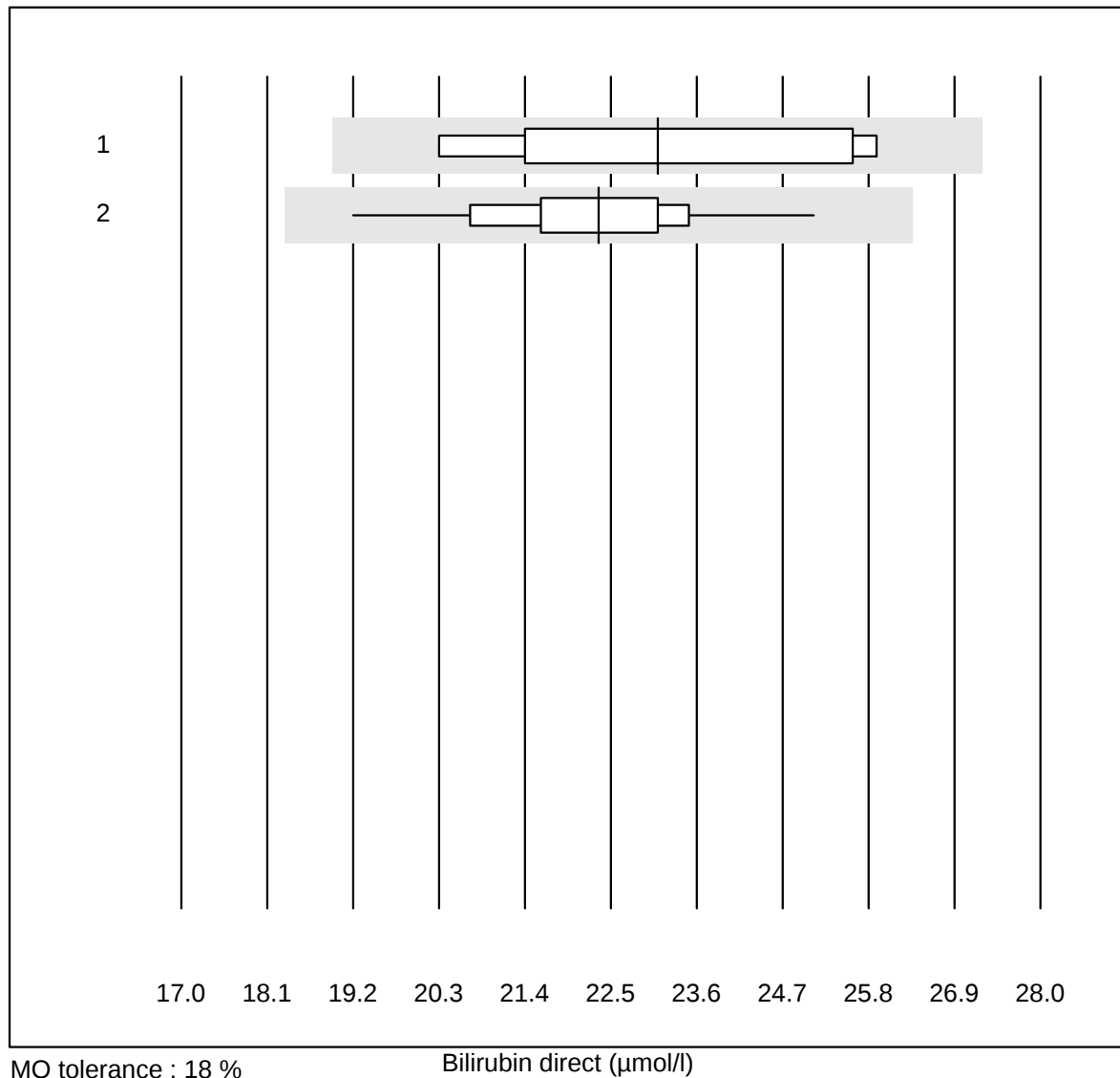
## Bilirubin



| No. | Methode            | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|--------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Abbott             | 12    | 100.0 | 0.0       | 0.0       | 33.9   | 6.5 | e    |
| 2   | Beckman            | 6     | 100.0 | 0.0       | 0.0       | 42.2   | 5.1 | e    |
| 3   | Roche              | 37    | 94.6  | 5.4       | 0.0       | 32.9   | 7.2 | e    |
| 4   | Siemens            | 7     | 100.0 | 0.0       | 0.0       | 43.3   | 4.2 | e    |
| 5   | Autolyser          | 19    | 100.0 | 0.0       | 0.0       | 33.2   | 5.5 | e    |
| 6   | Selectra Pro       | 15    | 86.6  | 6.7       | 6.7       | 30.1   | 9.3 | e*   |
| 7   | Fuji Dri-Chem      | 839   | 95.5  | 3.3       | 1.2       | 37.9   | 7.9 | e    |
| 8   | Spotchem D-Concept | 450   | 98.0  | 1.3       | 0.7       | 39.7   | 6.4 | e    |
| 9   | Spotchem SP-4430   | 72    | 98.6  | 0.0       | 1.4       | 39.6   | 6.7 | e    |
| 10  | Piccolo            | 58    | 98.3  | 1.7       | 0.0       | 33.2   | 6.8 | e    |
| 11  | Skyla              | 7     | 100.0 | 0.0       | 0.0       | 35.9   | 7.9 | e*   |

2 additional results were submitted but not published because the method groups were too small. (< results per group)

## Bilirubin direct



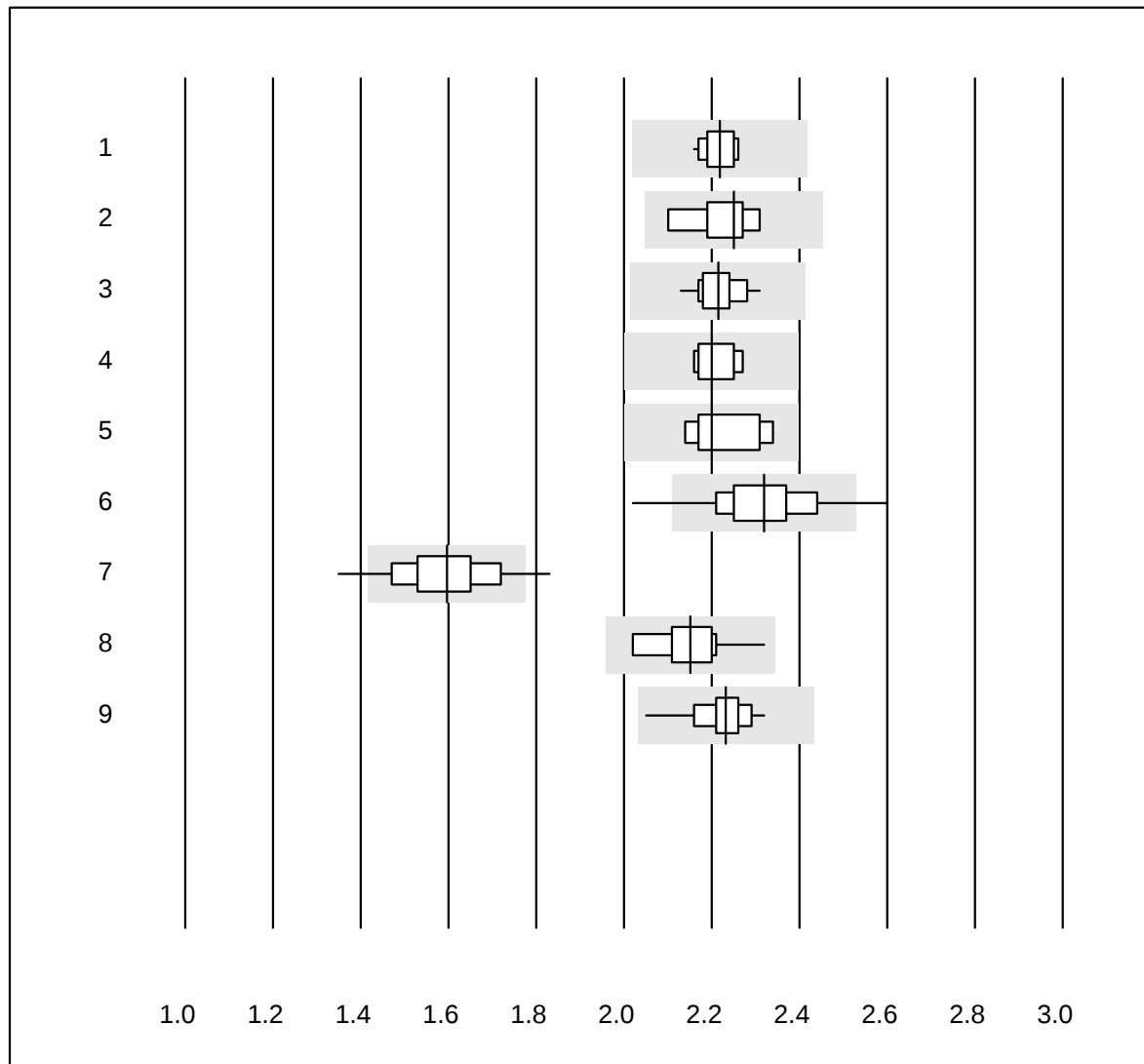
MQ tolerance : 18 %

Bilirubin direct (μmol/l)

| No. | Method        | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|---------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Other methods | 12    | 100.0 | 0.0       | 0.0       | 23.1   | 8.9 | a    |
| 2   | Fuji Dri-Chem | 22    | 100.0 | 0.0       | 0.0       | 22.3   | 6.4 | e    |

4 additional results were submitted but not published because the method groups were too small. (< results per group)

## Calcium



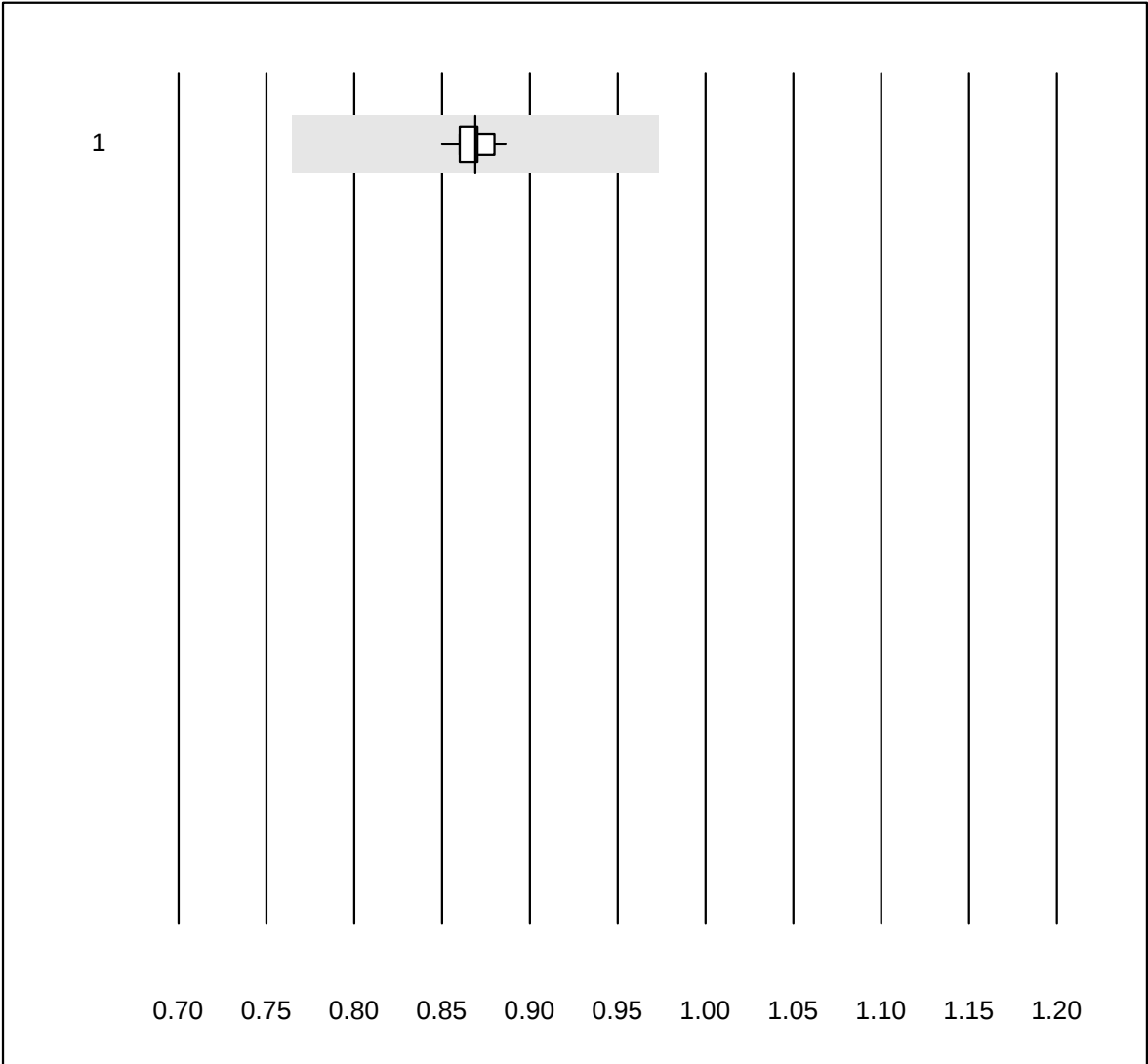
QUALAB tolerance : 9 %  
( < 2.00: +/- 0.18 mmol/l)

Calcium (mmol/l)

| No. | Methode            | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|--------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Abbott             | 15    | 100.0 | 0.0       | 0.0       | 2.22   | 1.5 | e    |
| 2   | Beckman            | 5     | 100.0 | 0.0       | 0.0       | 2.25   | 3.7 | e*   |
| 3   | Roche              | 39    | 100.0 | 0.0       | 0.0       | 2.21   | 1.9 | e    |
| 4   | Siemens            | 5     | 100.0 | 0.0       | 0.0       | 2.20   | 2.2 | e    |
| 5   | Autolyser          | 9     | 100.0 | 0.0       | 0.0       | 2.20   | 3.4 | e*   |
| 6   | Fuji Dri-Chem      | 261   | 95.8  | 2.3       | 1.9       | 2.32   | 3.9 | e    |
| 7   | Spotchem D-Concept | 71    | 90.2  | 7.0       | 2.8       | 1.60   | 5.9 | e    |
| 8   | Spotchem SP-4430   | 12    | 100.0 | 0.0       | 0.0       | 2.15   | 3.9 | e*   |
| 9   | Piccolo            | 50    | 100.0 | 0.0       | 0.0       | 2.23   | 2.5 | e    |

7 additional results were submitted but not published because the method groups were too small. (< results per group)

Calcium ISE

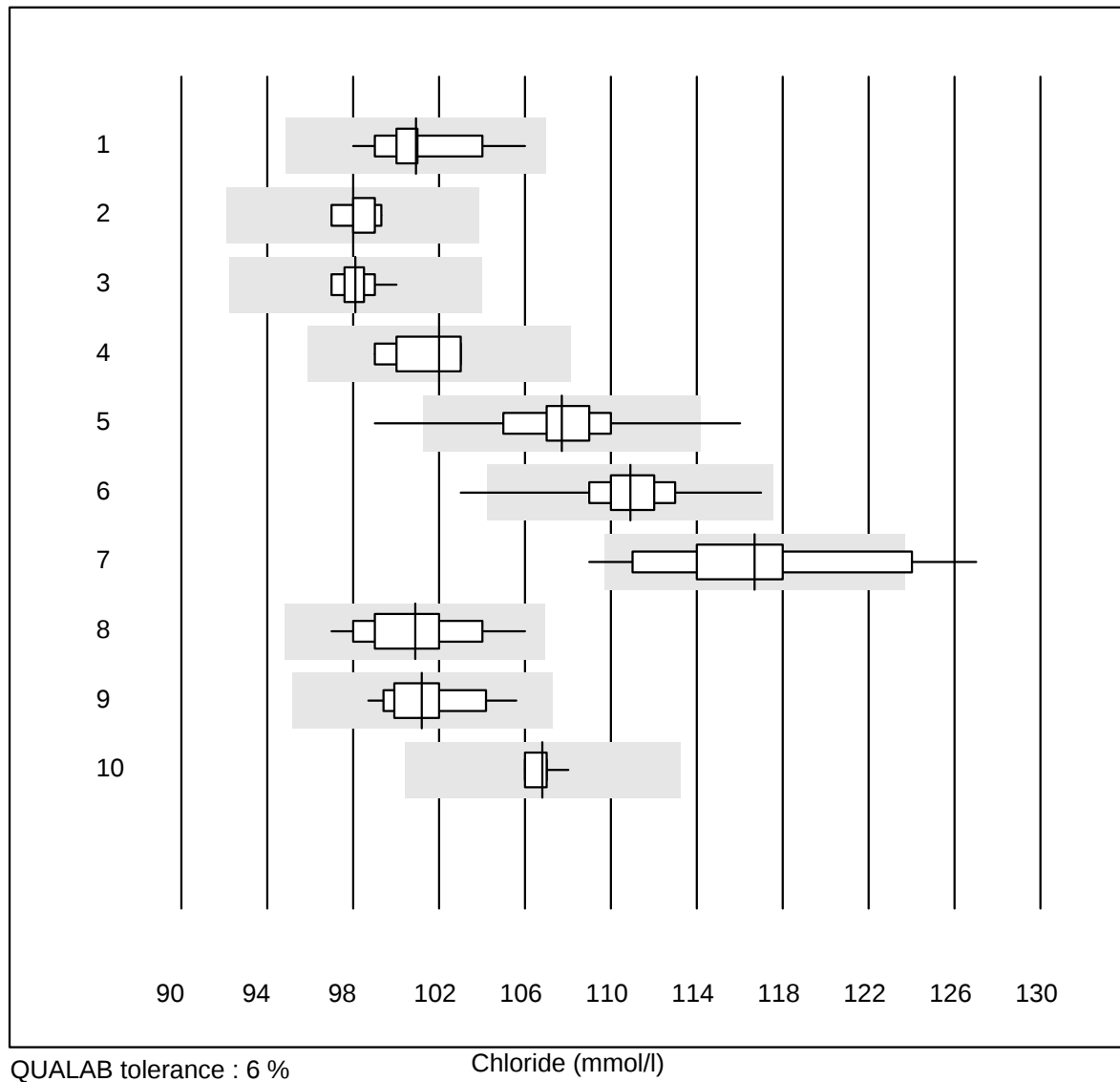


MQ tolerance : 12 %

Calcium ISE (mmol/l)

| No.                                                                                                                   | Methode     | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----------------------------------------------------------------------------------------------------------------------|-------------|-------|-------|-----------|-----------|--------|-----|------|
| 1                                                                                                                     | iStat Chem8 | 11    | 100.0 | 0.0       | 0.0       | 0.87   | 1.1 | e    |
| 3 additional results were submitted but not published because the method groups were too small. (< results per group) |             |       |       |           |           |        |     |      |

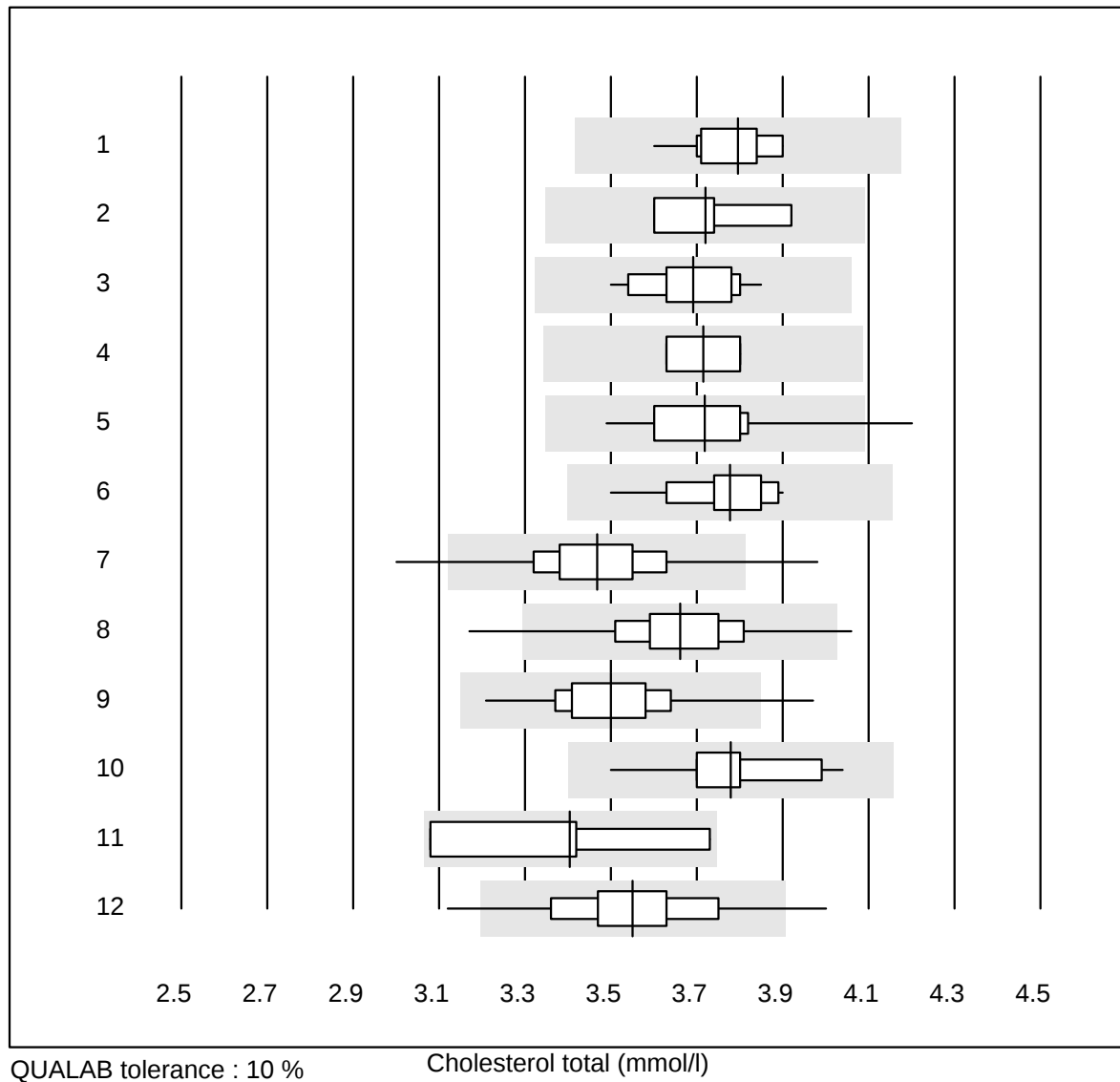
## Chloride



| No. | Methode             | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|---------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Abbott              | 15    | 100.0 | 0.0       | 0.0       | 101    | 1.9 | e    |
| 2   | Beckman             | 5     | 100.0 | 0.0       | 0.0       | 98     | 0.9 | e    |
| 3   | Roche               | 29    | 96.6  | 0.0       | 3.4       | 98     | 0.8 | e    |
| 4   | Siemens             | 5     | 100.0 | 0.0       | 0.0       | 102    | 1.8 | e*   |
| 5   | Fuji Dri-Chem       | 950   | 97.5  | 1.7       | 0.8       | 108    | 2.0 | e    |
| 6   | Spotchem D-Concept  | 434   | 98.3  | 0.5       | 1.2       | 111    | 1.6 | e    |
| 7   | Spotchem EL-SE 1520 | 61    | 80.3  | 13.1      | 6.6       | 117    | 3.5 | e    |
| 8   | Piccolo             | 24    | 100.0 | 0.0       | 0.0       | 101    | 2.3 | e    |
| 9   | Exias               | 24    | 95.8  | 0.0       | 4.2       | 101    | 1.8 | e    |
| 10  | iStat Chem8         | 11    | 100.0 | 0.0       | 0.0       | 107    | 0.6 | e    |

6 additional results were submitted but not published because the method groups were too small. (< results per group)

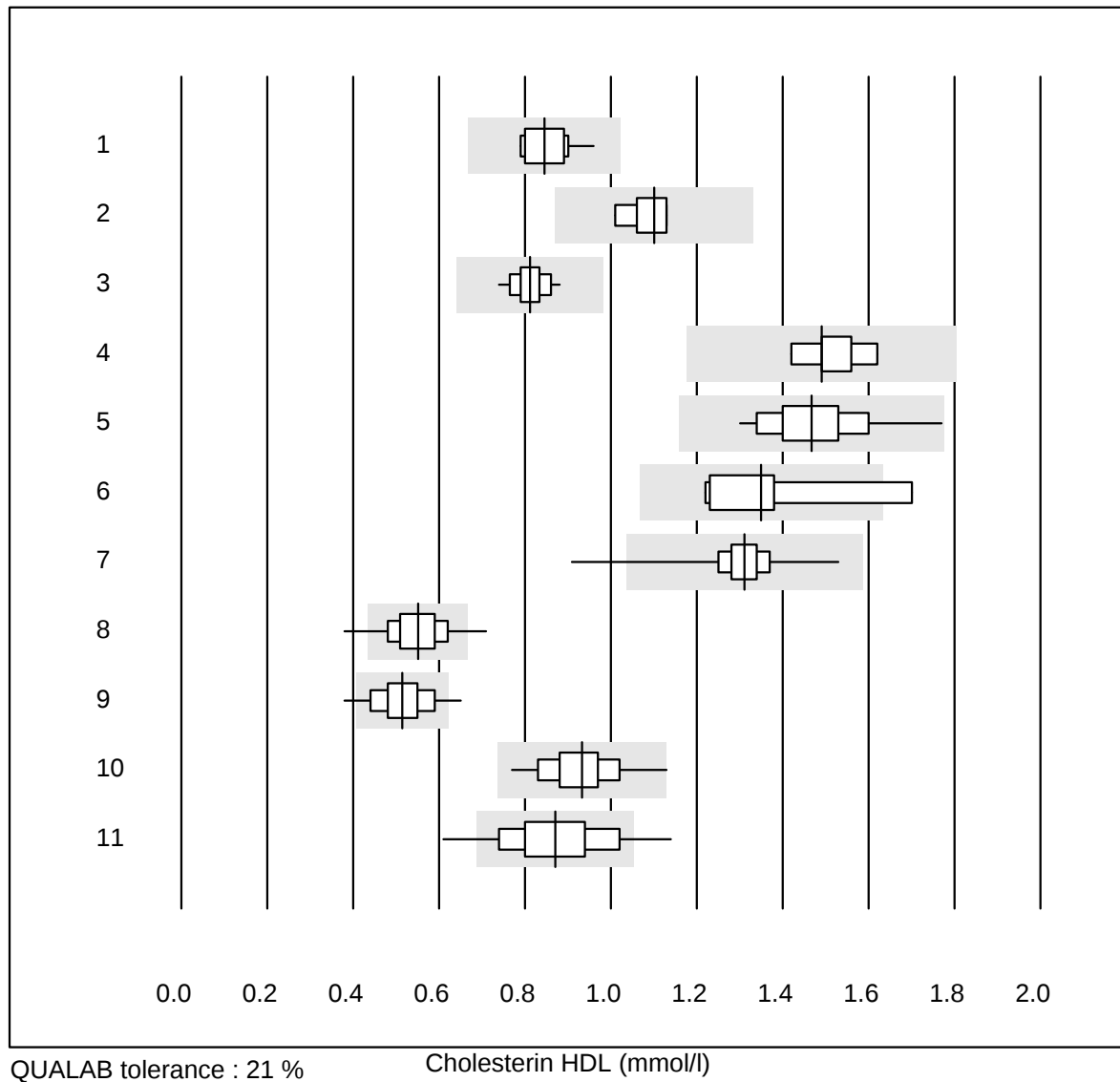
## Cholesterol total



| No. | Method             | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|--------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Abbott             | 16    | 100.0 | 0.0       | 0.0       | 3.80   | 2.2 | e    |
| 2   | Beckman            | 4     | 100.0 | 0.0       | 0.0       | 3.72   | 3.6 | e*   |
| 3   | Roche              | 31    | 100.0 | 0.0       | 0.0       | 3.69   | 2.7 | e    |
| 4   | Siemens            | 4     | 75.0  | 0.0       | 25.0      | 3.72   | 2.6 | e*   |
| 5   | Autolyser          | 22    | 95.5  | 4.5       | 0.0       | 3.72   | 3.9 | e    |
| 6   | Selectra Pro       | 13    | 92.3  | 0.0       | 7.7       | 3.78   | 3.1 | e    |
| 7   | Fuji Dri-Chem      | 981   | 97.1  | 1.2       | 1.7       | 3.47   | 3.7 | e    |
| 8   | Spotchem D-Concept | 479   | 97.9  | 1.3       | 0.8       | 3.66   | 3.5 | e    |
| 9   | Spotchem SP-4430   | 76    | 97.4  | 1.3       | 1.3       | 3.50   | 3.8 | e    |
| 10  | Piccolo            | 26    | 100.0 | 0.0       | 0.0       | 3.78   | 3.1 | e    |
| 11  | Reflotron          | 4     | 100.0 | 0.0       | 0.0       | 3.41   | 7.8 | e*   |
| 12  | Cholestech LDX     | 256   | 96.1  | 3.1       | 0.8       | 3.55   | 4.3 | e    |
| 13  | Other methods      | 4     | 100.0 | 0.0       | 0.0       | 2.89   | 1.5 | e    |

6 additional results were submitted but not published because the method groups were too small. (< results per group)

## Cholesterin HDL



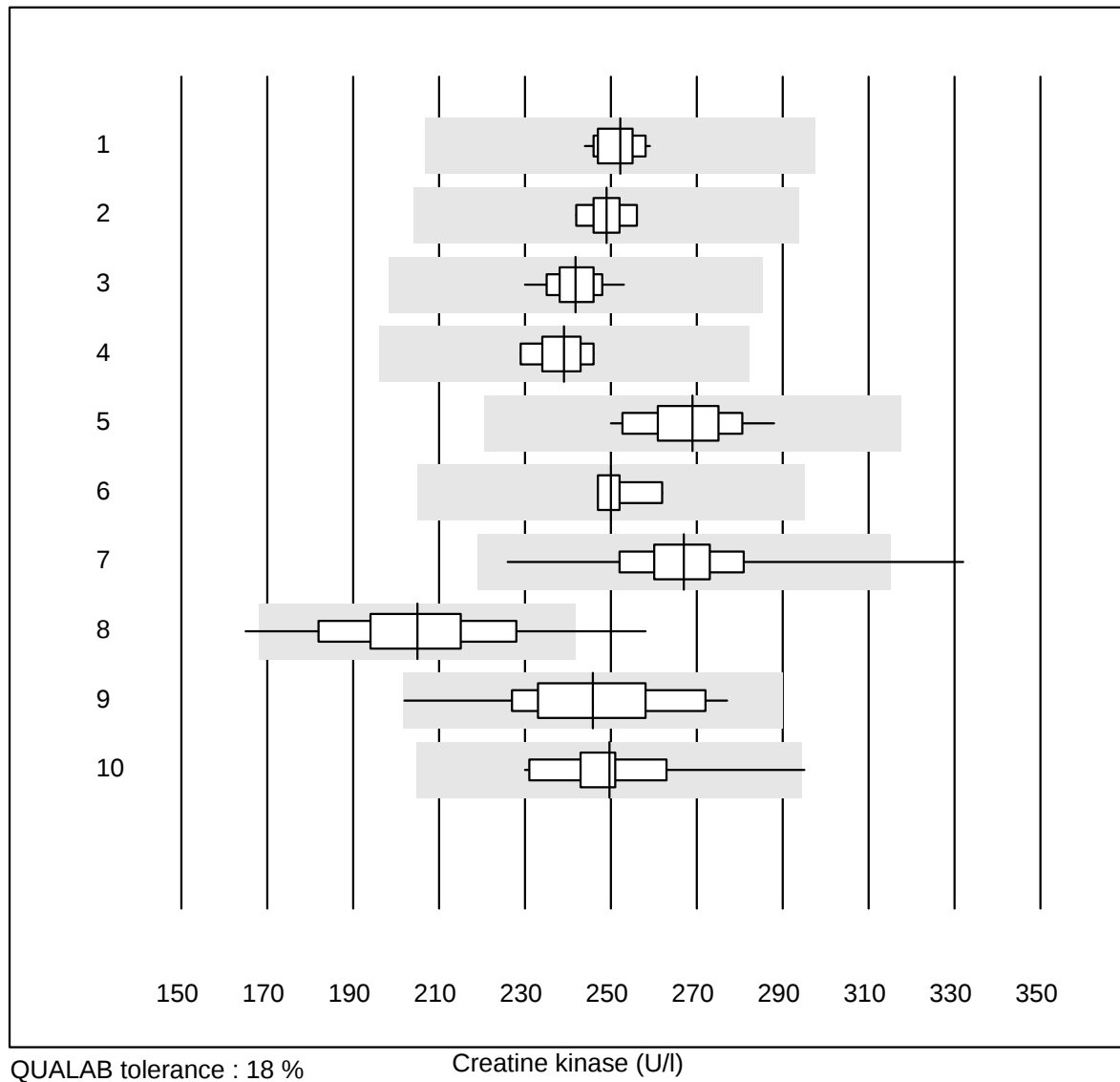
QUALAB tolerance : 21 %

Cholesterin HDL (mmol/l)

| No. | Methode            | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----|--------------------|-------|-------|-----------|-----------|--------|------|------|
| 1   | Abbott             | 13    | 100.0 | 0.0       | 0.0       | 0.84   | 6.3  | e    |
| 2   | Beckman            | 6     | 100.0 | 0.0       | 0.0       | 1.10   | 4.2  | e    |
| 3   | Roche              | 29    | 100.0 | 0.0       | 0.0       | 0.81   | 4.1  | e    |
| 4   | Dimension          | 5     | 100.0 | 0.0       | 0.0       | 1.49   | 5.0  | e    |
| 5   | Autolyser          | 22    | 100.0 | 0.0       | 0.0       | 1.47   | 8.0  | e    |
| 6   | Selectra Pro       | 12    | 58.4  | 8.3       | 33.3      | 1.35   | 13.1 | e*   |
| 7   | Fuji Dri-Chem      | 948   | 98.4  | 0.3       | 1.3       | 1.31   | 4.0  | e    |
| 8   | Spotchem D-Concept | 464   | 93.9  | 3.7       | 2.4       | 0.55   | 10.2 | e    |
| 9   | Spotchem SP-4430   | 69    | 91.4  | 4.3       | 4.3       | 0.51   | 10.6 | e    |
| 10  | Piccolo            | 25    | 96.0  | 4.0       | 0.0       | 0.93   | 8.8  | e    |
| 11  | Cholestech LDX     | 255   | 86.7  | 7.8       | 5.5       | 0.87   | 12.1 | e    |

6 additional results were submitted but not published because the method groups were too small. (< results per group)

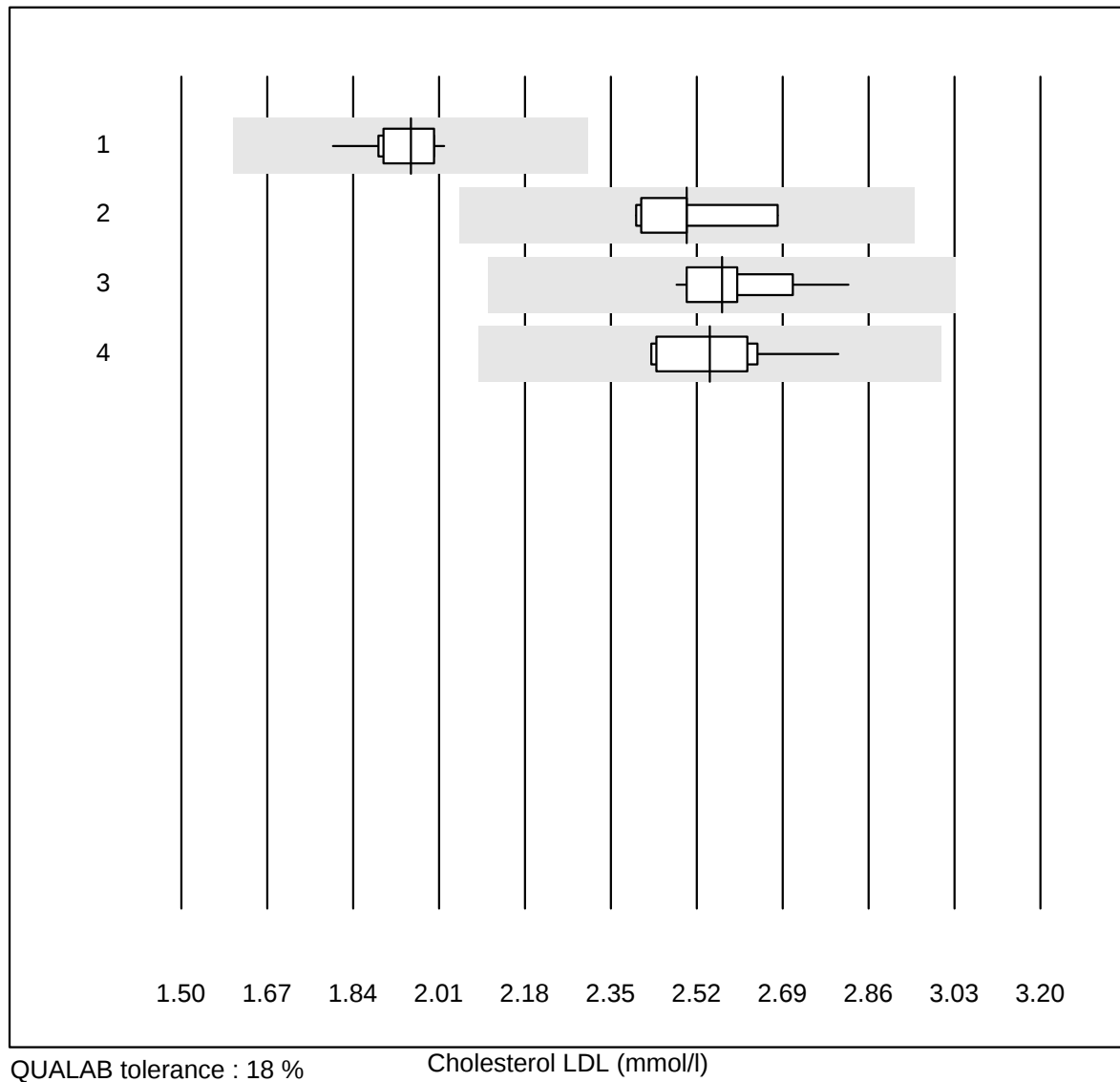
## Creatine kinase



| No. | Methode            | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|--------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Abbott             | 13    | 100.0 | 0.0       | 0.0       | 252    | 2.0 | e    |
| 2   | Beckman            | 5     | 100.0 | 0.0       | 0.0       | 249    | 2.2 | e    |
| 3   | Roche              | 34    | 100.0 | 0.0       | 0.0       | 242    | 2.2 | e    |
| 4   | Siemens            | 7     | 100.0 | 0.0       | 0.0       | 239    | 2.4 | e    |
| 5   | Autolyser          | 17    | 94.1  | 0.0       | 5.9       | 269    | 4.0 | e    |
| 6   | Selectra Pro       | 8     | 100.0 | 0.0       | 0.0       | 250    | 2.0 | e    |
| 7   | Fuji Dri-Chem      | 666   | 98.7  | 0.5       | 0.8       | 267    | 4.8 | e    |
| 8   | Spotchem D-Concept | 319   | 95.3  | 3.1       | 1.6       | 205    | 8.4 | e    |
| 9   | Spotchem SP-4430   | 38    | 97.4  | 0.0       | 2.6       | 246    | 7.5 | e    |
| 10  | Piccolo            | 20    | 95.0  | 5.0       | 0.0       | 250    | 5.4 | e    |

One result was submitted but not published because the method group was too small. (< 4 results per group)

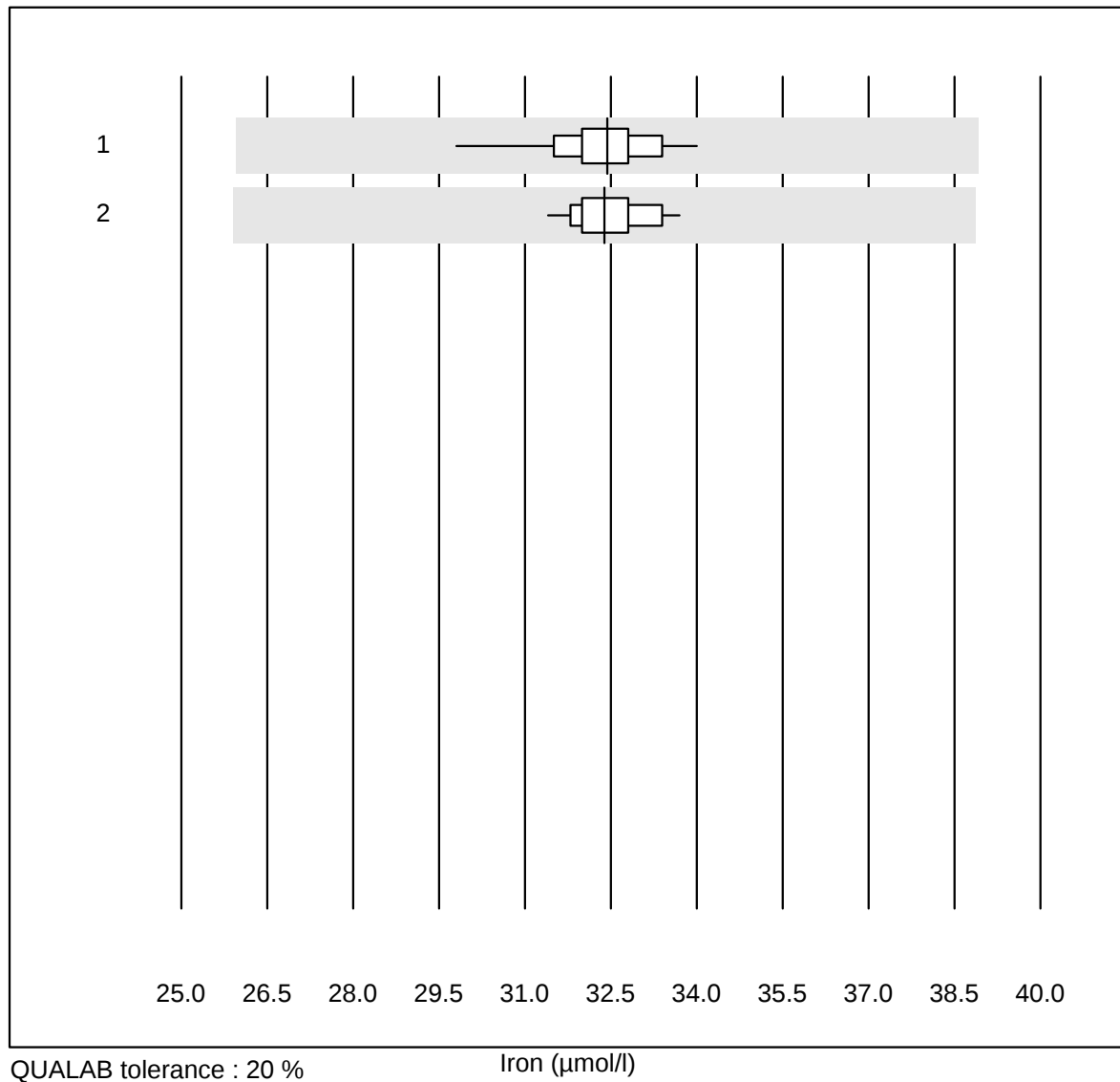
## Cholesterol LDL



| No. | Methode      | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|--------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Abbott       | 15    | 100.0 | 0.0       | 0.0       | 2.0    | 3.4 | e    |
| 2   | Beckman      | 5     | 100.0 | 0.0       | 0.0       | 2.5    | 4.5 | e    |
| 3   | Roche, Cobas | 17    | 100.0 | 0.0       | 0.0       | 2.6    | 3.6 | e    |
| 4   | Autolyser    | 11    | 90.9  | 0.0       | 9.1       | 2.5    | 4.8 | e    |

3 additional results were submitted but not published because the method groups were too small. (< results per group)

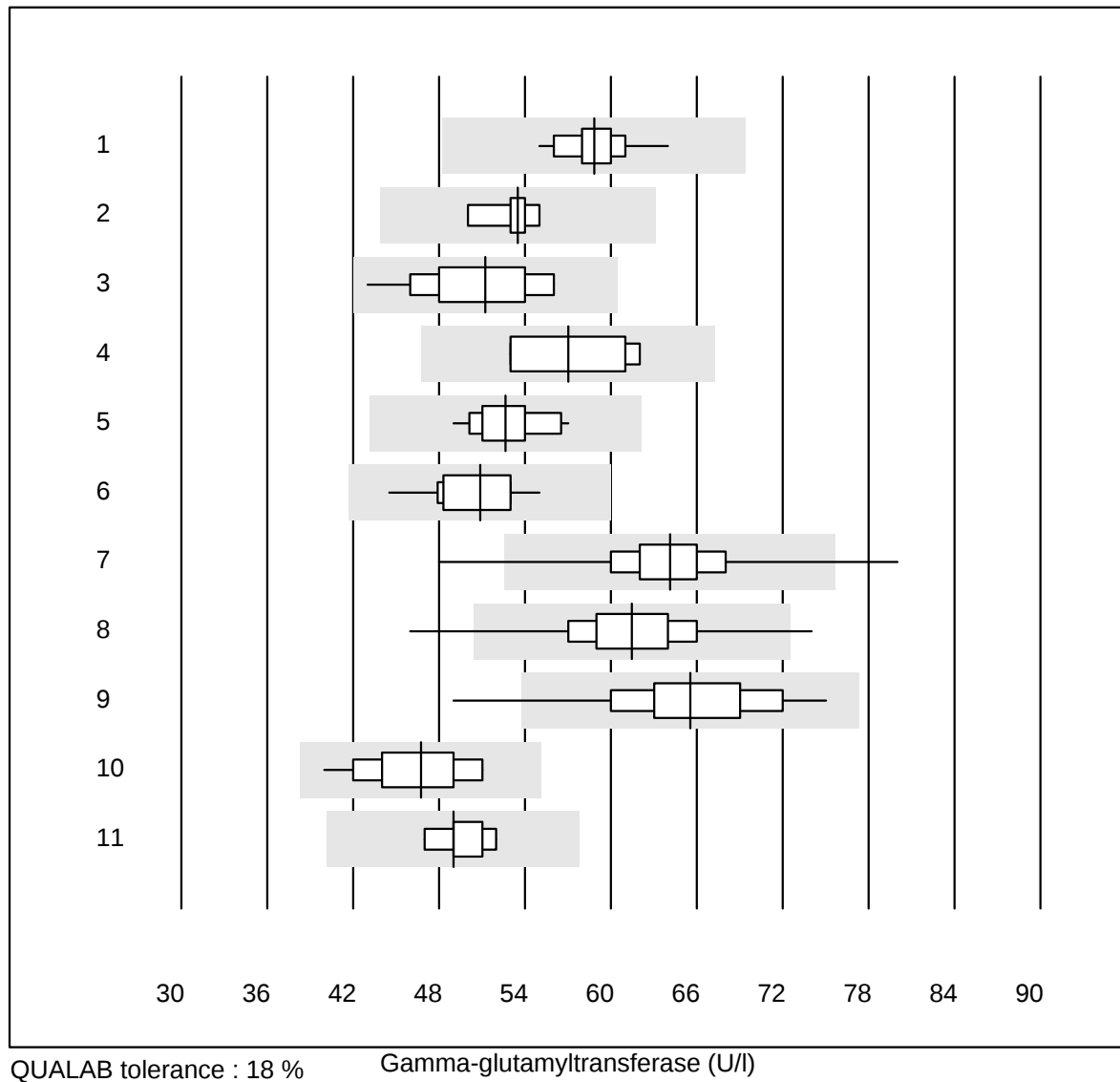
## Iron



| No. | Methode | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|---------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Abbott  | 12    | 100.0 | 0.0       | 0.0       | 32     | 3.3 | e    |
| 2   | Roche   | 23    | 100.0 | 0.0       | 0.0       | 32     | 1.9 | e    |

4 additional results were submitted but not published because the method groups were too small. (< results per group)

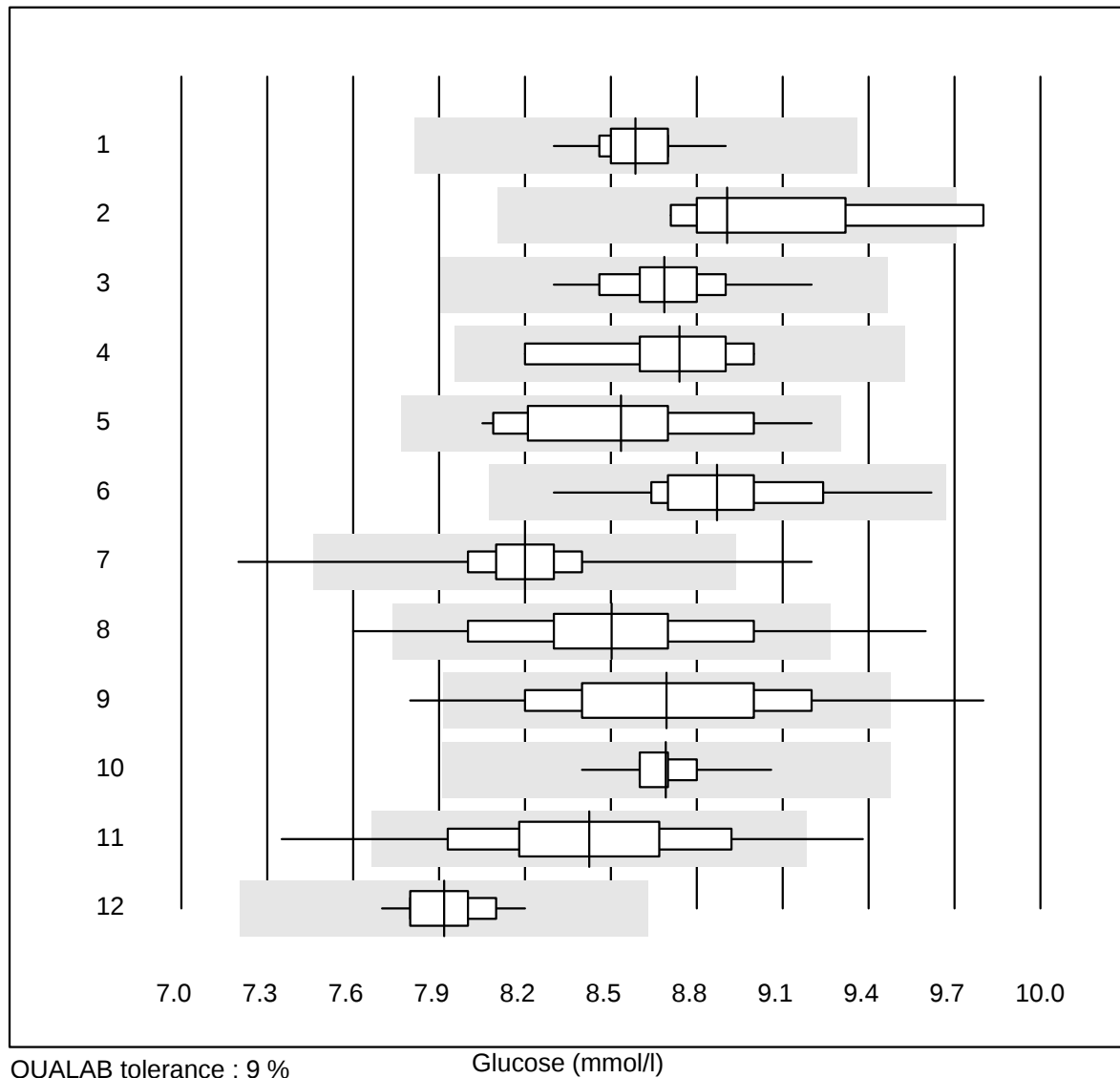
## Gamma-glutamyltransferase



| No. | Methode            | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|--------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Abbott             | 13    | 100.0 | 0.0       | 0.0       | 59     | 4.2 | e    |
| 2   | Beckman            | 6     | 100.0 | 0.0       | 0.0       | 54     | 3.2 | e    |
| 3   | Cobas              | 38    | 100.0 | 0.0       | 0.0       | 51     | 6.9 | e    |
| 4   | Siemens            | 7     | 100.0 | 0.0       | 0.0       | 57     | 6.3 | e*   |
| 5   | Autolyser          | 22    | 100.0 | 0.0       | 0.0       | 53     | 4.3 | e    |
| 6   | Selectra Pro       | 14    | 100.0 | 0.0       | 0.0       | 51     | 5.4 | e    |
| 7   | Fuji Dri-Chem      | 1144  | 99.1  | 0.3       | 0.6       | 64     | 5.1 | e    |
| 8   | Spotchem D-Concept | 630   | 99.0  | 0.5       | 0.5       | 61     | 6.0 | e    |
| 9   | Spotchem SP-4430   | 125   | 97.6  | 0.8       | 1.6       | 66     | 7.2 | e    |
| 10  | Piccolo            | 62    | 100.0 | 0.0       | 0.0       | 47     | 6.8 | e    |
| 11  | Skyla              | 5     | 100.0 | 0.0       | 0.0       | 49     | 3.9 | e    |

4 additional results were submitted but not published because the method groups were too small. (< results per group)

## Glucose



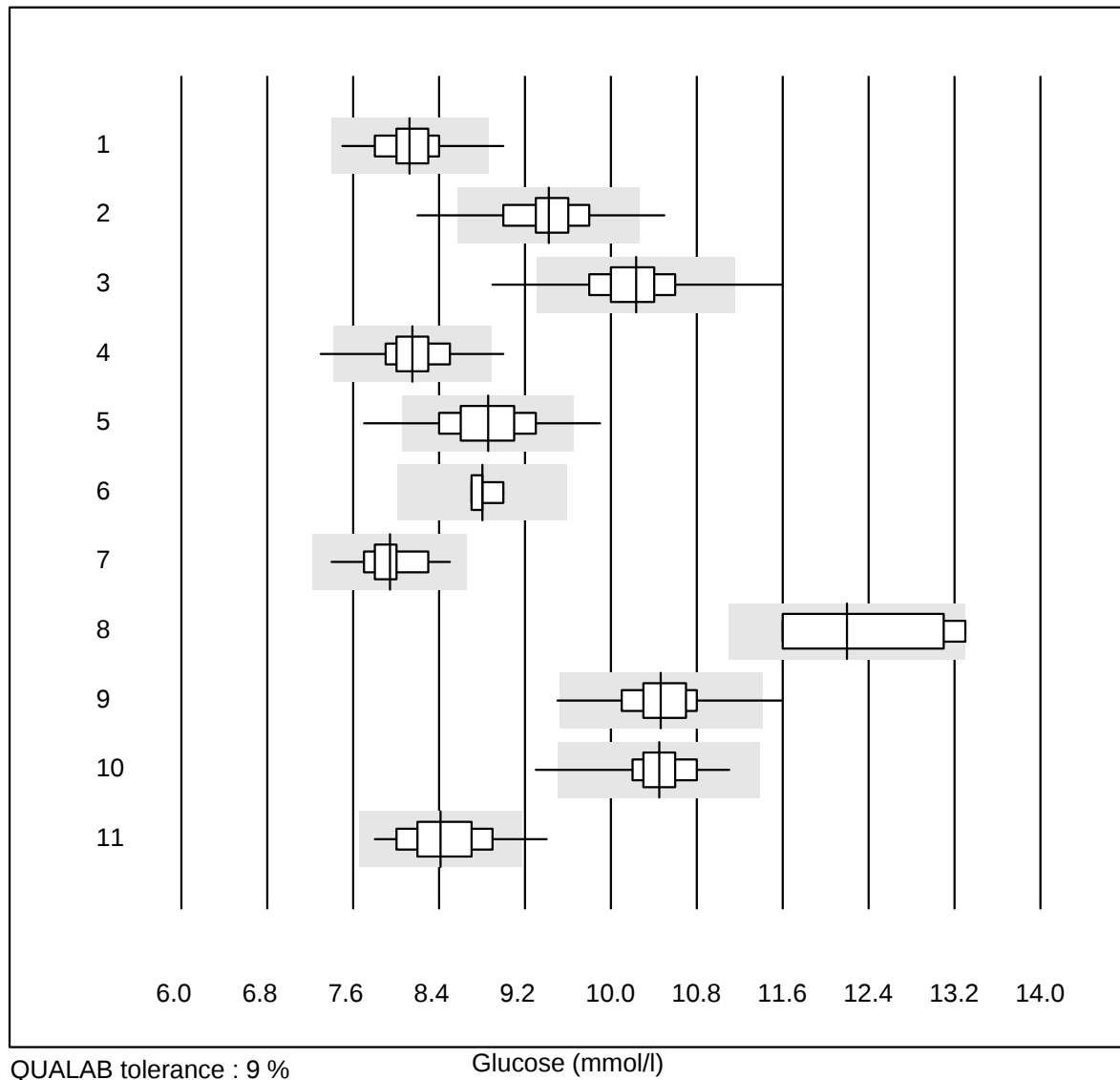
QUALAB tolerance : 9 %

Glucose (mmol/l)

| No. | Method             | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|--------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Abbott             | 14    | 100.0 | 0.0       | 0.0       | 8.6    | 1.7 | e    |
| 2   | Beckman            | 6     | 83.3  | 16.7      | 0.0       | 8.9    | 4.6 | e*   |
| 3   | Roche              | 40    | 100.0 | 0.0       | 0.0       | 8.7    | 2.0 | e    |
| 4   | Siemens            | 6     | 100.0 | 0.0       | 0.0       | 8.7    | 3.2 | e*   |
| 5   | Autolyser          | 20    | 95.0  | 0.0       | 5.0       | 8.5    | 3.6 | e    |
| 6   | Selectra Pro       | 14    | 100.0 | 0.0       | 0.0       | 8.9    | 3.5 | e    |
| 7   | Fuji Dri-Chem      | 1083  | 98.8  | 0.5       | 0.7       | 8.2    | 2.5 | e    |
| 8   | Spotchem D-Concept | 592   | 94.3  | 5.4       | 0.3       | 8.5    | 4.4 | e    |
| 9   | Spotchem SP-4430   | 102   | 95.1  | 2.9       | 2.0       | 8.7    | 4.5 | e    |
| 10  | Piccolo            | 75    | 100.0 | 0.0       | 0.0       | 8.7    | 1.2 | e    |
| 11  | Cholestech LDX     | 253   | 92.5  | 2.8       | 4.7       | 8.4    | 4.3 | e    |
| 12  | iStat Chem8        | 12    | 100.0 | 0.0       | 0.0       | 7.9    | 1.9 | e    |
| 13  | Cobas Pulse        | 137   | 98.5  | 1.5       | 0.0       | 8.4    | 3.5 | e    |
| 14  | Other methods      | 4     | 100.0 | 0.0       | 0.0       | 8.9    | 3.5 | e*   |

4 additional results were submitted but not published because the method groups were too small. (< results per group)

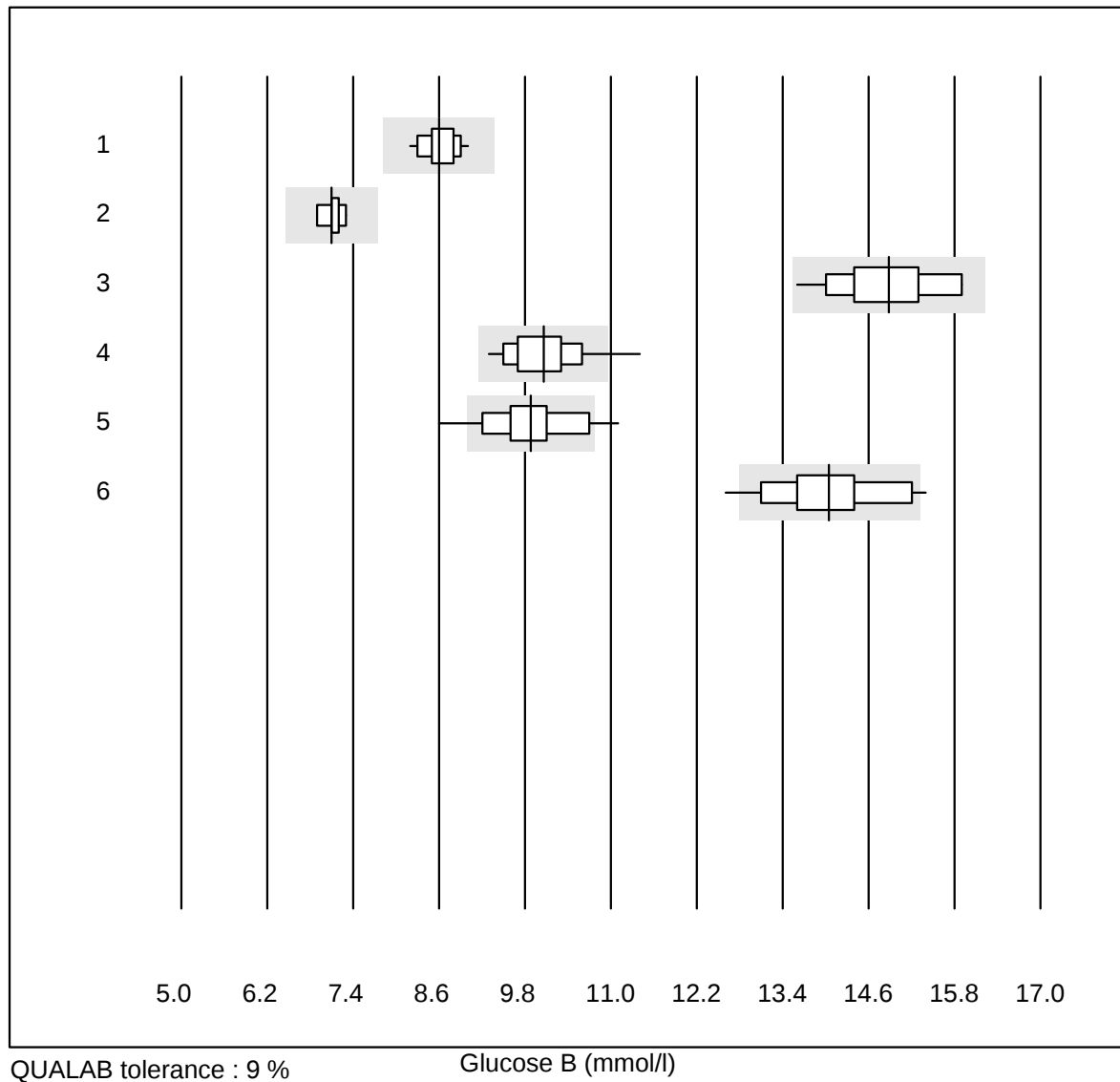
## Glucose



| No. | Method                | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|-----------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Accu-Chek Instant     | 143   | 97.2  | 2.1       | 0.7       | 8.1    | 3.3 | e    |
| 2   | Accu-Chek Aviva       | 100   | 87.0  | 6.0       | 7.0       | 9.4    | 4.0 | e    |
| 3   | Accu-Chek Inform 2    | 949   | 97.3  | 1.5       | 1.2       | 10.2   | 3.3 | e    |
| 4   | Accu-Check Guide      | 343   | 97.9  | 0.9       | 1.2       | 8.2    | 3.0 | e    |
| 5   | Contour XT            | 1338  | 94.8  | 3.8       | 1.4       | 8.9    | 4.1 | e    |
| 6   | Skyla                 | 5     | 100.0 | 0.0       | 0.0       | 8.8    | 1.4 | e    |
| 7   | Statstrip/Xpress      | 66    | 100.0 | 0.0       | 0.0       | 7.9    | 2.9 | e    |
| 8   | Glucocard             | 7     | 42.8  | 14.3      | 42.9      | 12.2   | 6.3 | e*   |
| 9   | Hemocue 201+ P-equiv  | 145   | 94.5  | 1.4       | 4.1       | 10.5   | 2.8 | e    |
| 10  | Hemocue 201RT P-equiv | 132   | 97.7  | 1.5       | 0.8       | 10.4   | 2.6 | e    |
| 11  | Contour NEXT          | 60    | 98.3  | 1.7       | 0.0       | 8.4    | 4.2 | e    |

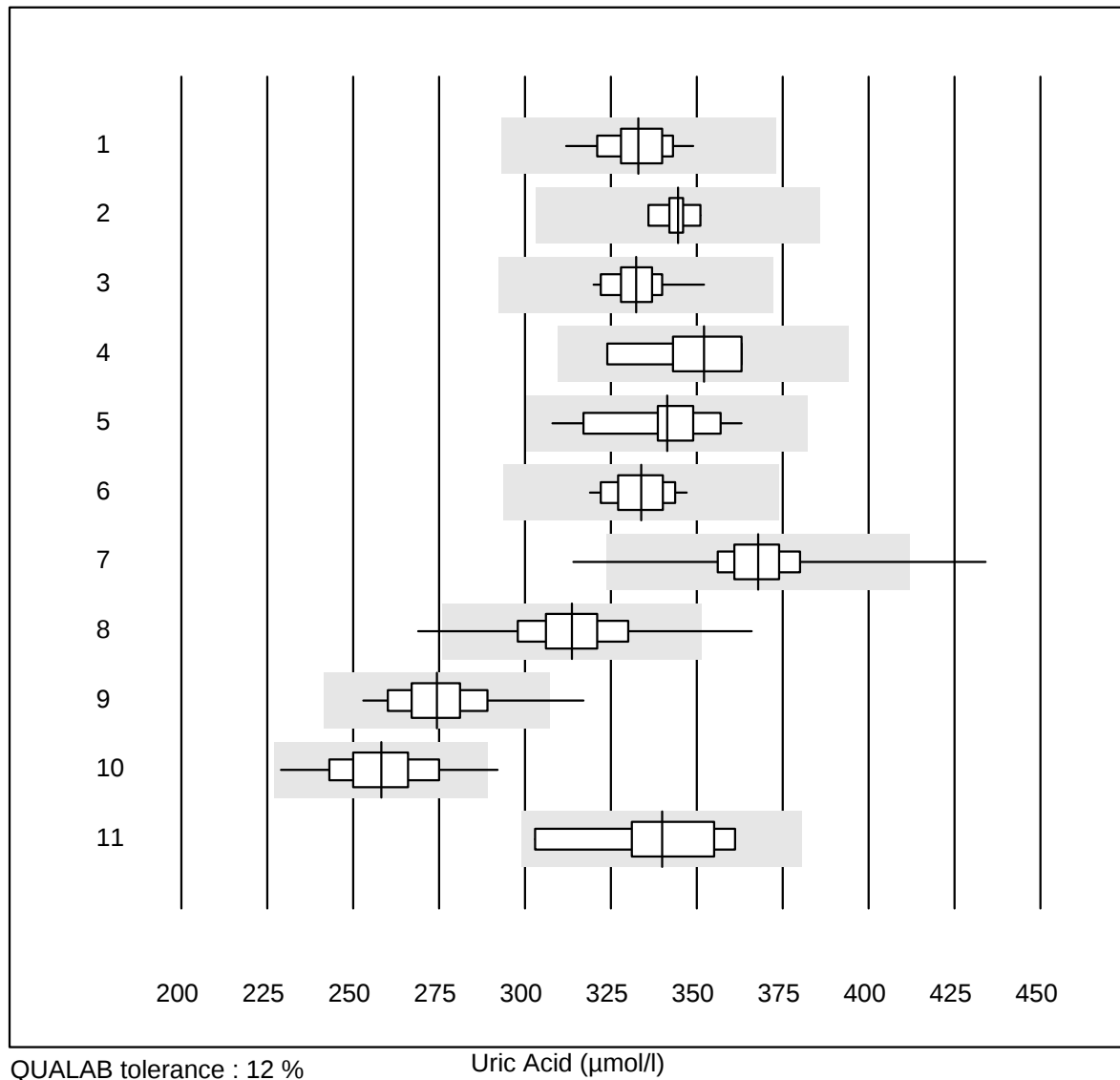
11 additional results were submitted but not published because the method groups were too small. (< results per group)

## Glucose B



| No. | Methode        | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|----------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | OneTouch Verio | 29    | 100.0 | 0.0       | 0.0       | 8.6    | 2.5 | e    |
| 2   | Contour 2 (5s) | 8     | 87.5  | 0.0       | 12.5      | 7.1    | 1.8 | e    |
| 3   | Healthpro      | 20    | 95.0  | 0.0       | 5.0       | 14.9   | 4.2 | e    |
| 4   | Mylife UNIO    | 237   | 95.4  | 2.5       | 2.1       | 10.1   | 4.2 | e    |
| 5   | mylife Pura    | 87    | 78.2  | 13.8      | 8.0       | 9.9    | 5.7 | e    |
| 6   | Alpha Check    | 34    | 88.2  | 5.9       | 5.9       | 14.1   | 5.1 | e    |

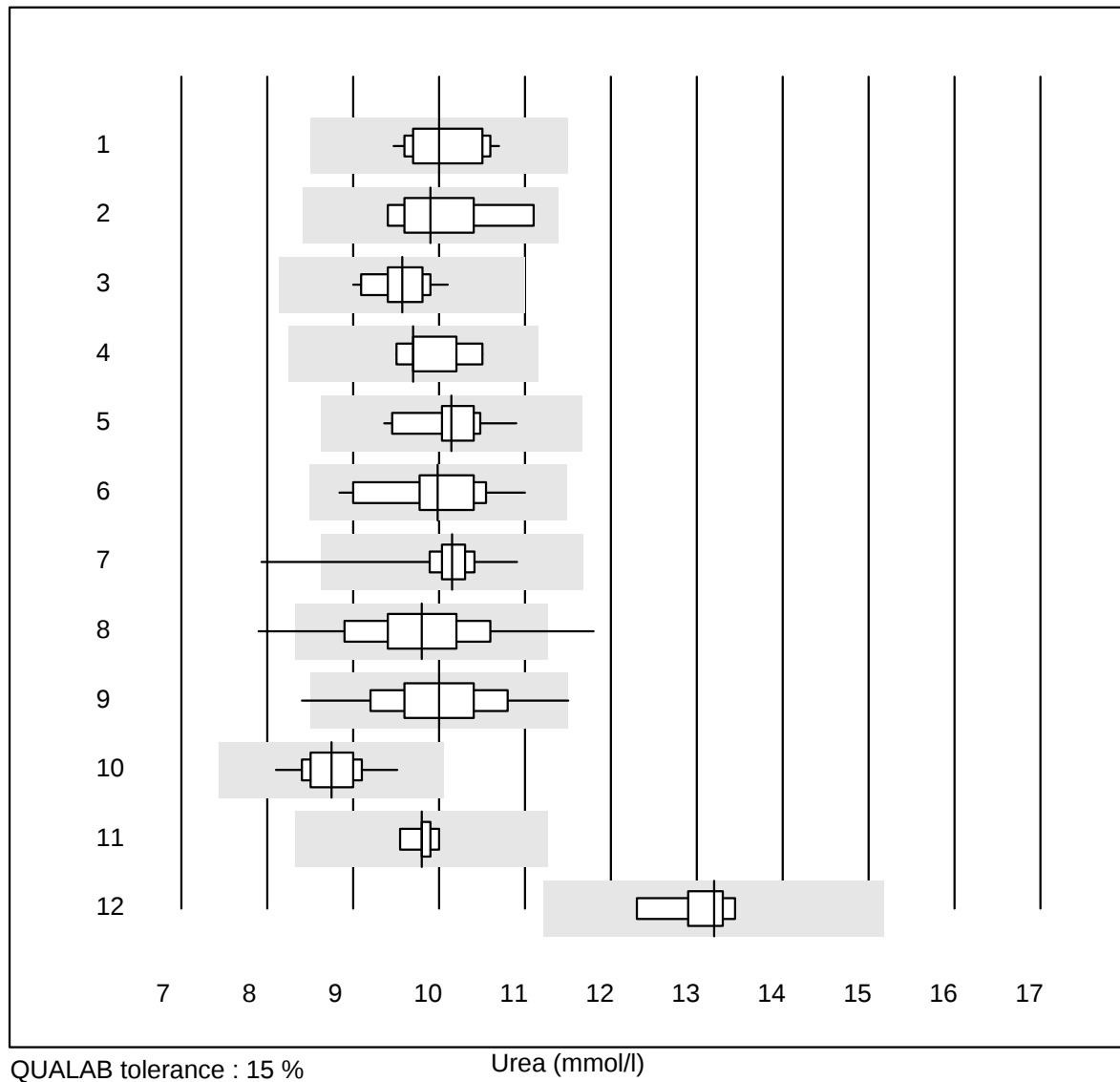
## Uric Acid



| No. | Method             | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|--------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Abbott             | 15    | 100.0 | 0.0       | 0.0       | 333    | 2.8 | e    |
| 2   | Beckman            | 6     | 100.0 | 0.0       | 0.0       | 345    | 1.4 | e    |
| 3   | Roche              | 35    | 100.0 | 0.0       | 0.0       | 332    | 2.2 | e    |
| 4   | Siemens            | 5     | 100.0 | 0.0       | 0.0       | 352    | 4.7 | e*   |
| 5   | Autolyser          | 18    | 100.0 | 0.0       | 0.0       | 341    | 4.1 | e    |
| 6   | Selectra Pro       | 15    | 93.3  | 0.0       | 6.7       | 334    | 2.5 | e    |
| 7   | Fuji Dri-Chem      | 1051  | 98.7  | 0.3       | 1.0       | 368    | 2.8 | e    |
| 8   | Spotchem D-Concept | 594   | 99.3  | 0.5       | 0.2       | 314    | 4.1 | e    |
| 9   | Spotchem SP-4430   | 97    | 96.9  | 2.1       | 1.0       | 274    | 4.1 | e    |
| 10  | Piccolo            | 34    | 91.2  | 2.9       | 5.9       | 258    | 5.0 | e    |
| 11  | Skyla              | 9     | 100.0 | 0.0       | 0.0       | 340    | 5.3 | e*   |

3 additional results were submitted but not published because the method groups were too small. (< results per group)

## Urea



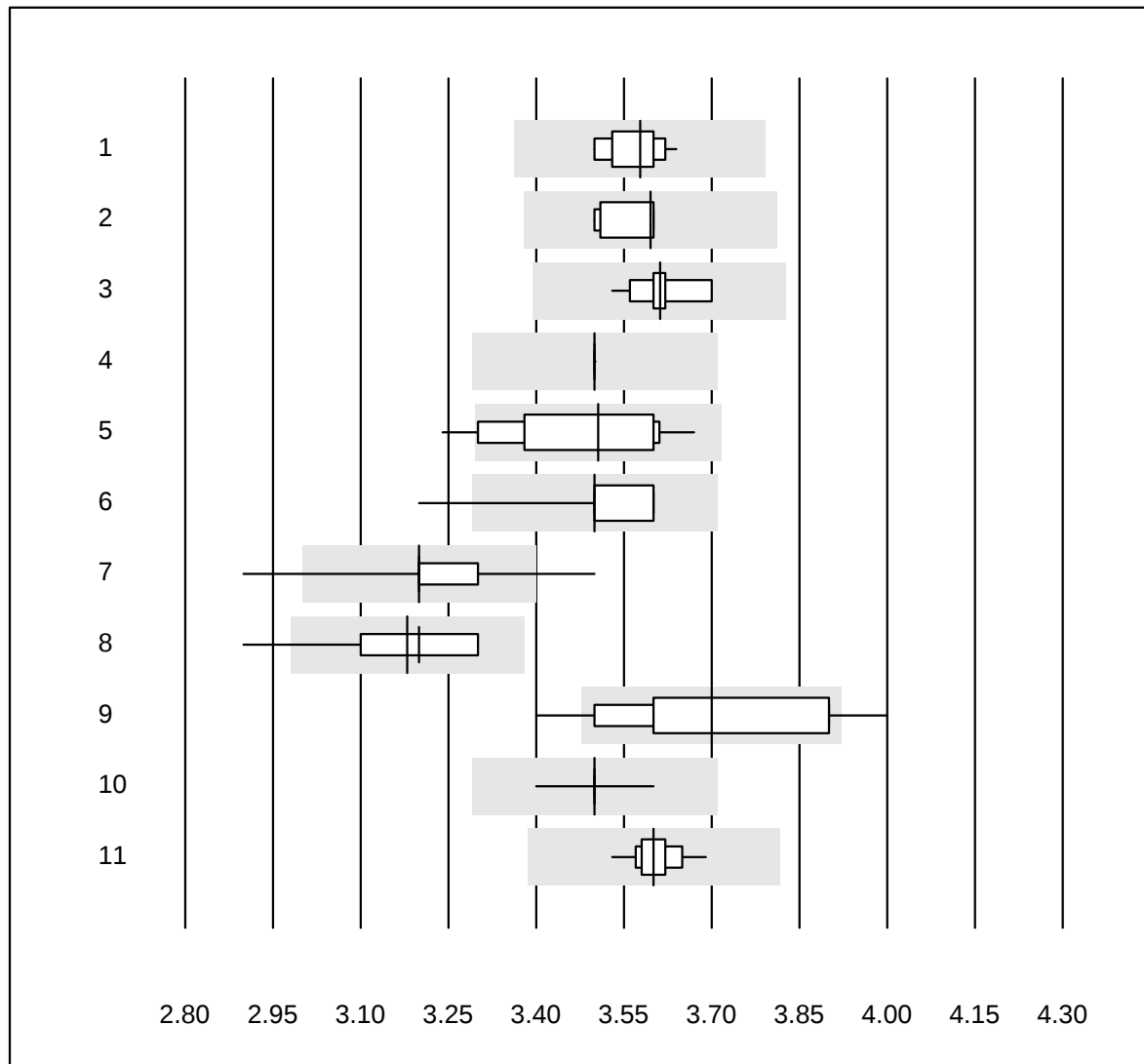
QUALAB tolerance : 15 %

Urea (mmol/l)

| No. | Methode            | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|--------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Abbott             | 13    | 100.0 | 0.0       | 0.0       | 10.0   | 4.2 | e    |
| 2   | Beckman            | 6     | 100.0 | 0.0       | 0.0       | 9.9    | 6.2 | e*   |
| 3   | Roche              | 35    | 100.0 | 0.0       | 0.0       | 9.6    | 3.1 | e    |
| 4   | Siemens            | 7     | 100.0 | 0.0       | 0.0       | 9.7    | 3.5 | e    |
| 5   | Autolyser          | 17    | 100.0 | 0.0       | 0.0       | 10.1   | 4.0 | e    |
| 6   | Selectra Pro       | 11    | 100.0 | 0.0       | 0.0       | 10.0   | 6.3 | e*   |
| 7   | Fuji Dri-Chem      | 625   | 98.7  | 0.2       | 1.1       | 10.2   | 2.3 | e    |
| 8   | Spotchem D-Concept | 329   | 96.4  | 1.8       | 1.8       | 9.8    | 6.6 | e    |
| 9   | Spotchem SP-4430   | 50    | 96.0  | 4.0       | 0.0       | 10.0   | 6.5 | e    |
| 10  | Piccolo            | 67    | 100.0 | 0.0       | 0.0       | 8.7    | 3.3 | e    |
| 11  | Skyla              | 5     | 100.0 | 0.0       | 0.0       | 9.8    | 1.7 | e    |
| 12  | iStat Chem8        | 9     | 100.0 | 0.0       | 0.0       | 13.2   | 2.7 | e    |

5 additional results were submitted but not published because the method groups were too small. (< results per group)

## Potassium



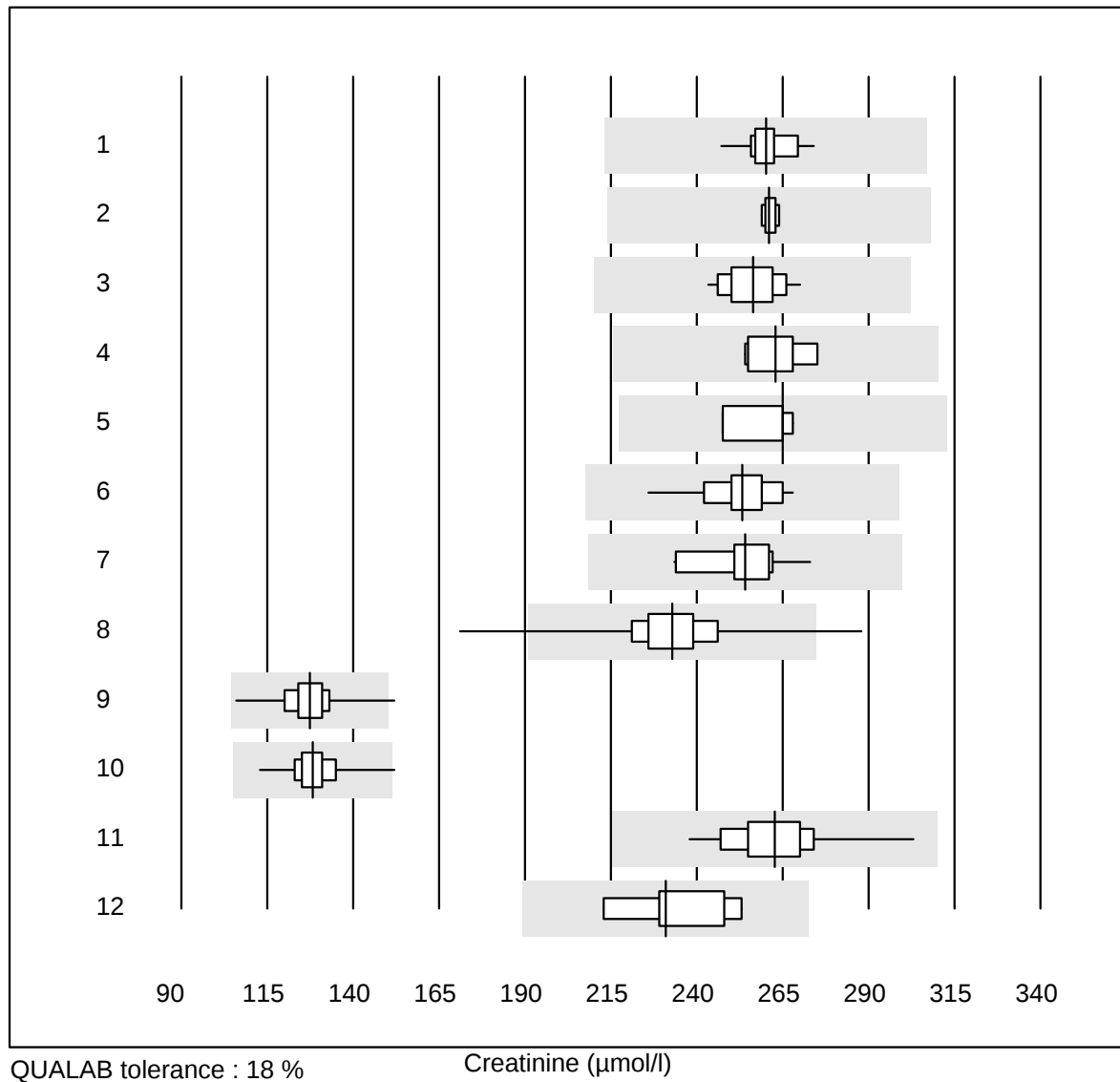
QUALAB tolerance : 6 %  
( < 3.30: +/- 0.20 mmol/l)

Potassium (mmol/l)

| No. | Methode             | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|---------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Abbott              | 15    | 100.0 | 0.0       | 0.0       | 3.58   | 1.3 | e    |
| 2   | Beckman             | 6     | 100.0 | 0.0       | 0.0       | 3.60   | 1.3 | e    |
| 3   | Roche               | 38    | 100.0 | 0.0       | 0.0       | 3.61   | 1.1 | e    |
| 4   | Siemens             | 5     | 100.0 | 0.0       | 0.0       | 3.50   | 0.0 | e    |
| 5   | Autolyser           | 18    | 94.4  | 5.6       | 0.0       | 3.51   | 3.7 | e*   |
| 6   | Fuji Dri-Chem       | 1113  | 98.7  | 0.3       | 1.0       | 3.50   | 1.8 | e    |
| 7   | Spotchem D-Concept  | 556   | 97.7  | 0.9       | 1.4       | 3.20   | 1.5 | e    |
| 8   | Spotchem EL-SE 1520 | 78    | 94.9  | 1.3       | 3.8       | 3.18   | 2.4 | e    |
| 9   | Piccolo             | 38    | 79.0  | 10.5      | 10.5      | 3.70   | 4.6 | e*   |
| 10  | iStat Chem8         | 15    | 100.0 | 0.0       | 0.0       | 3.50   | 1.1 | e    |
| 11  | Exias               | 27    | 100.0 | 0.0       | 0.0       | 3.60   | 1.0 | e    |

7 additional results were submitted but not published because the method groups were too small. (< results per group)

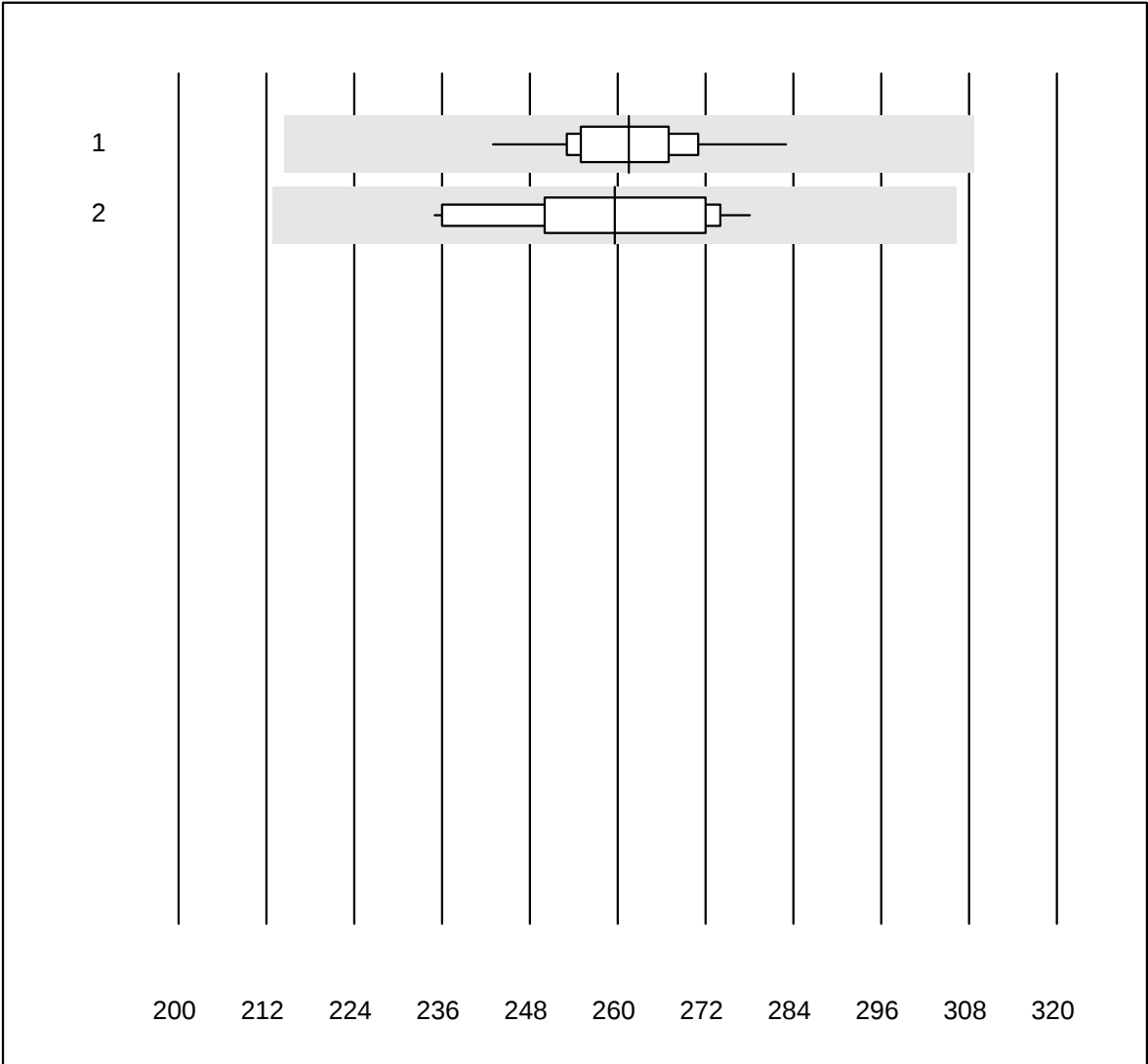
## Creatinine



| No. | Method             | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|--------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Abbott             | 13    | 100.0 | 0.0       | 0.0       | 260    | 2.6 | e    |
| 2   | Beckman            | 6     | 100.0 | 0.0       | 0.0       | 261    | 0.8 | e    |
| 3   | Roche              | 37    | 100.0 | 0.0       | 0.0       | 256    | 2.9 | e    |
| 4   | Siemens            | 7     | 85.7  | 0.0       | 14.3      | 263    | 3.0 | e    |
| 5   | Enzymatic          | 4     | 100.0 | 0.0       | 0.0       | 265    | 3.6 | e    |
| 6   | Autolyser          | 22    | 100.0 | 0.0       | 0.0       | 253    | 3.7 | e    |
| 7   | Selectra Pro       | 15    | 100.0 | 0.0       | 0.0       | 254    | 4.1 | e    |
| 8   | Fuji Dri-Chem      | 1175  | 99.1  | 0.3       | 0.6       | 233    | 4.3 | e    |
| 9   | Spotchem D-Concept | 649   | 99.2  | 0.2       | 0.6       | 127    | 4.3 | e    |
| 10  | Spotchem SP-4430   | 143   | 97.9  | 0.7       | 1.4       | 128    | 4.1 | e    |
| 11  | Piccolo            | 71    | 98.6  | 0.0       | 1.4       | 263    | 4.3 | e    |
| 12  | Skyla              | 5     | 100.0 | 0.0       | 0.0       | 231    | 6.8 | e*   |
| 13  | EPOC               | 12    | 83.3  | 0.0       | 16.7      | 237    | 6.0 | e    |

3 additional results were submitted but not published because the method groups were too small. (< results per group)

Creatinine E

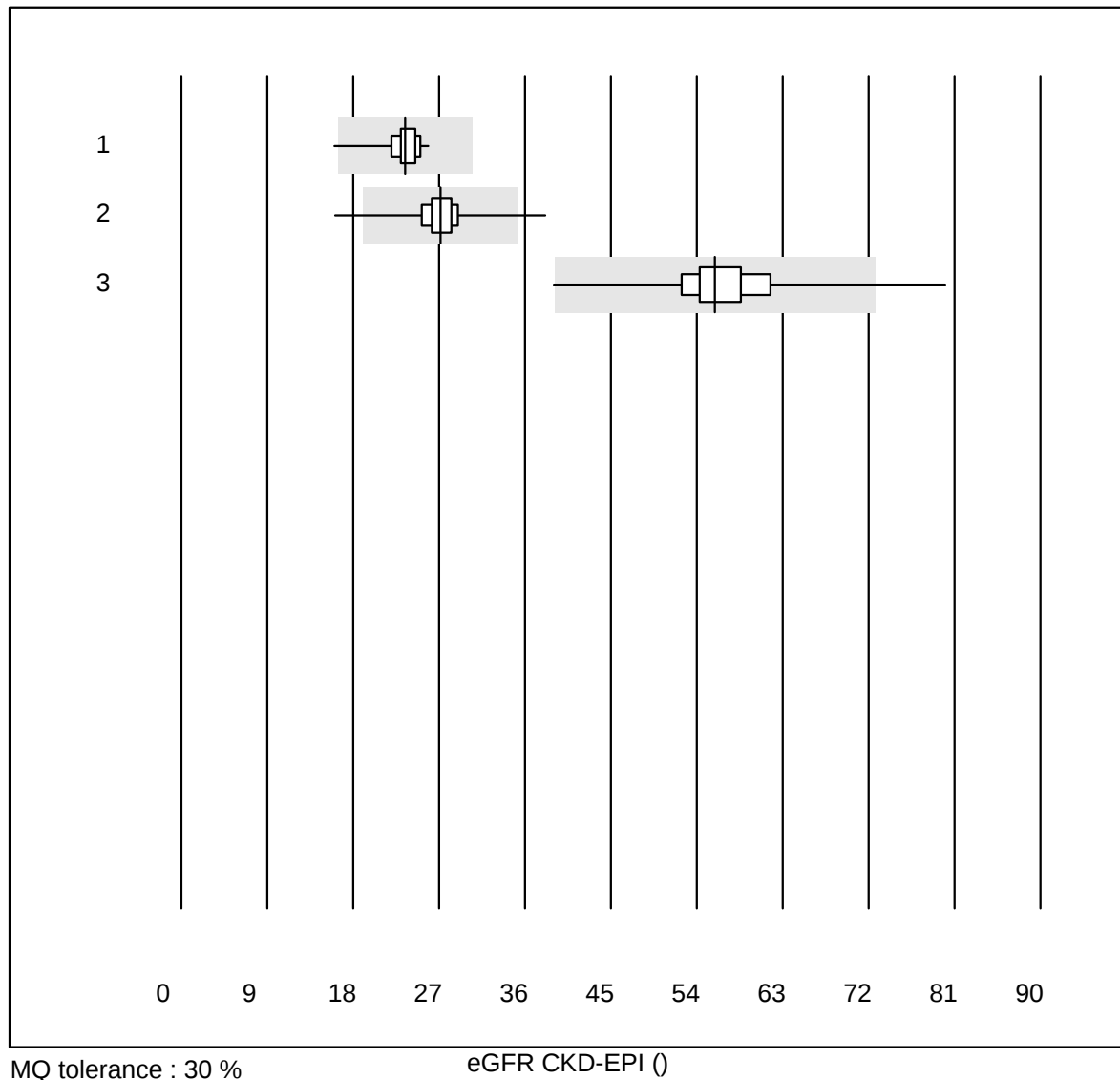


QUALAB tolerance : 18 %

Creatinine E (µmol/l)

| No. | Methode     | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|-------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | iStat Chem8 | 46    | 100.0 | 0.0       | 0.0       | 262    | 2.9 | e    |
| 2   | ABL700/800  | 15    | 100.0 | 0.0       | 0.0       | 260    | 5.6 | e    |

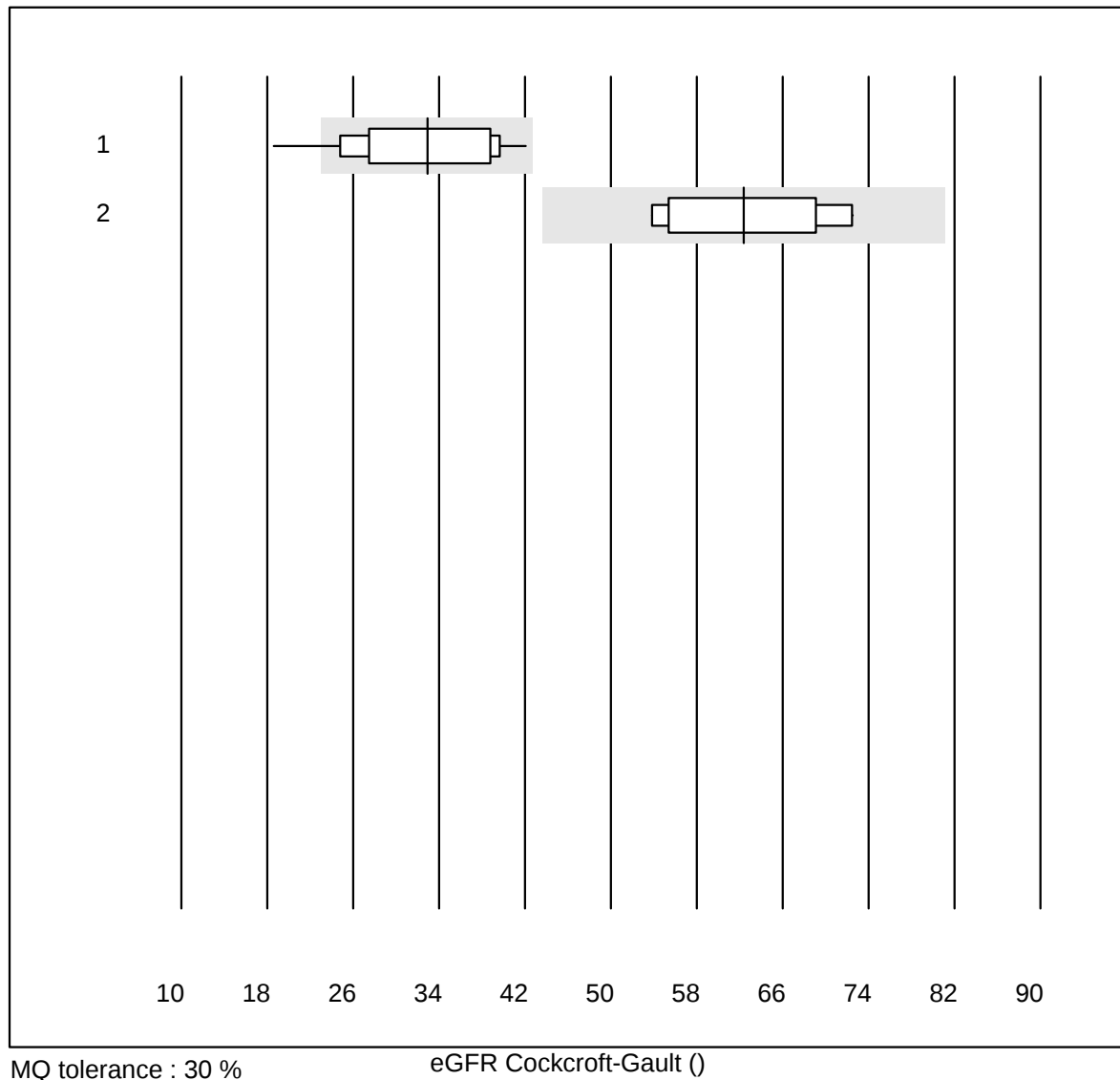
## eGFR CKD-EPI



| No. | Methode            | Total | % OK | % insuff. | % outlier | Target | CV% | Type |
|-----|--------------------|-------|------|-----------|-----------|--------|-----|------|
| 1   | Standard chemistry | 57    | 98.2 | 1.8       | 0.0       | 23     | 7.3 | e    |
| 2   | Fuji Dri-Chem      | 393   | 96.1 | 0.8       | 3.1       | 27     | 6.8 | e    |
| 3   | Spotchem           | 262   | 94.6 | 2.3       | 3.1       | 56     | 9.6 | e    |

One result was submitted but not published because the method group was too small. (< 4 results per group)

## eGFR Cockcroft-Gault



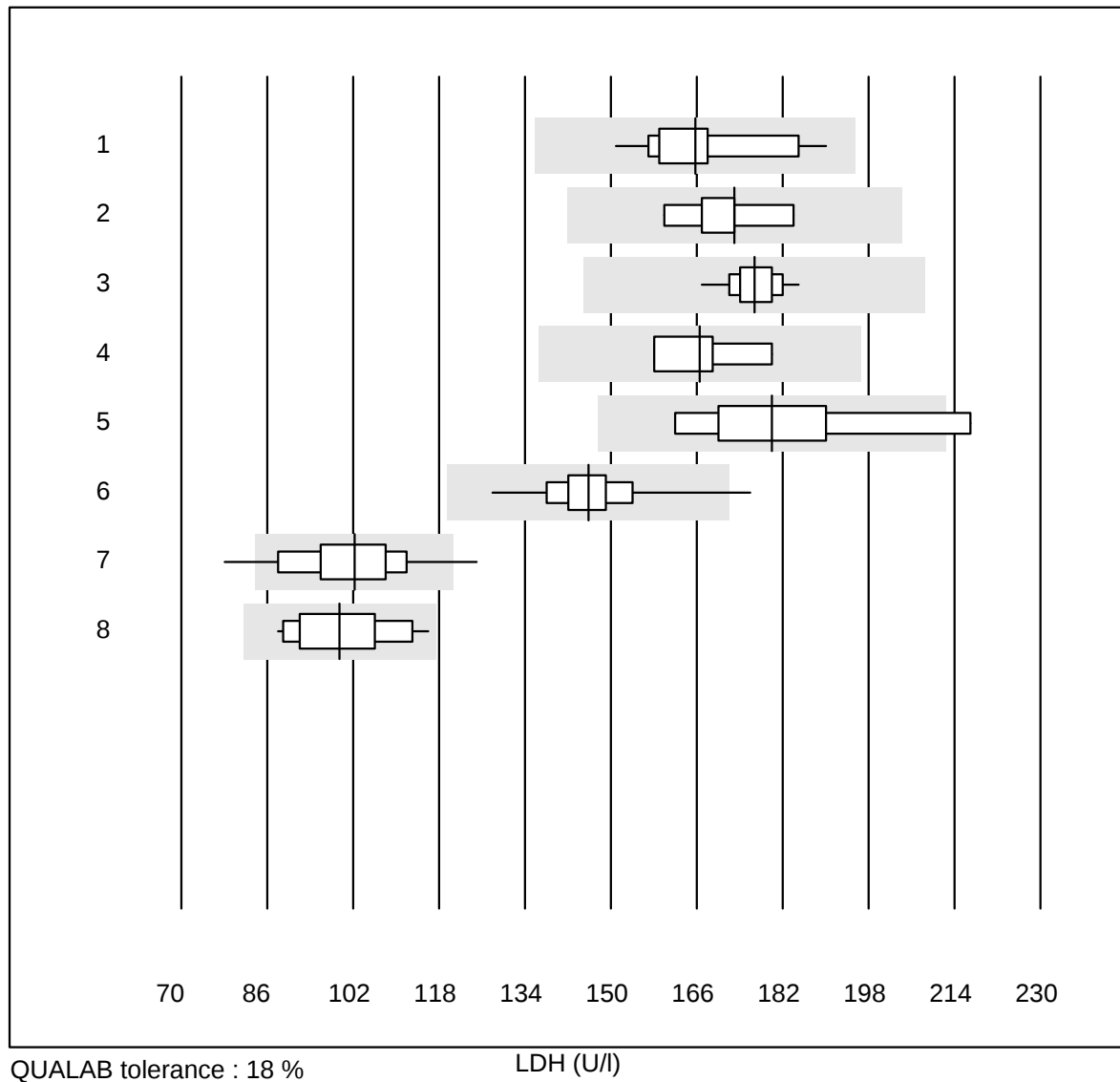
MQ tolerance : 30 %

eGFR Cockcroft-Gault ()

| No. | Methode       | Total | % OK | % insuff. | % outlier | Target | CV%  | Type |
|-----|---------------|-------|------|-----------|-----------|--------|------|------|
| 1   | Fuji Dri-Chem | 35    | 80.0 | 5.7       | 14.3      | 33     | 19.9 | e    |
| 2   | Spotchem      | 17    | 94.1 | 0.0       | 5.9       | 62     | 11.7 | e    |

2 additional results were submitted but not published because the method groups were too small. (< results per group)

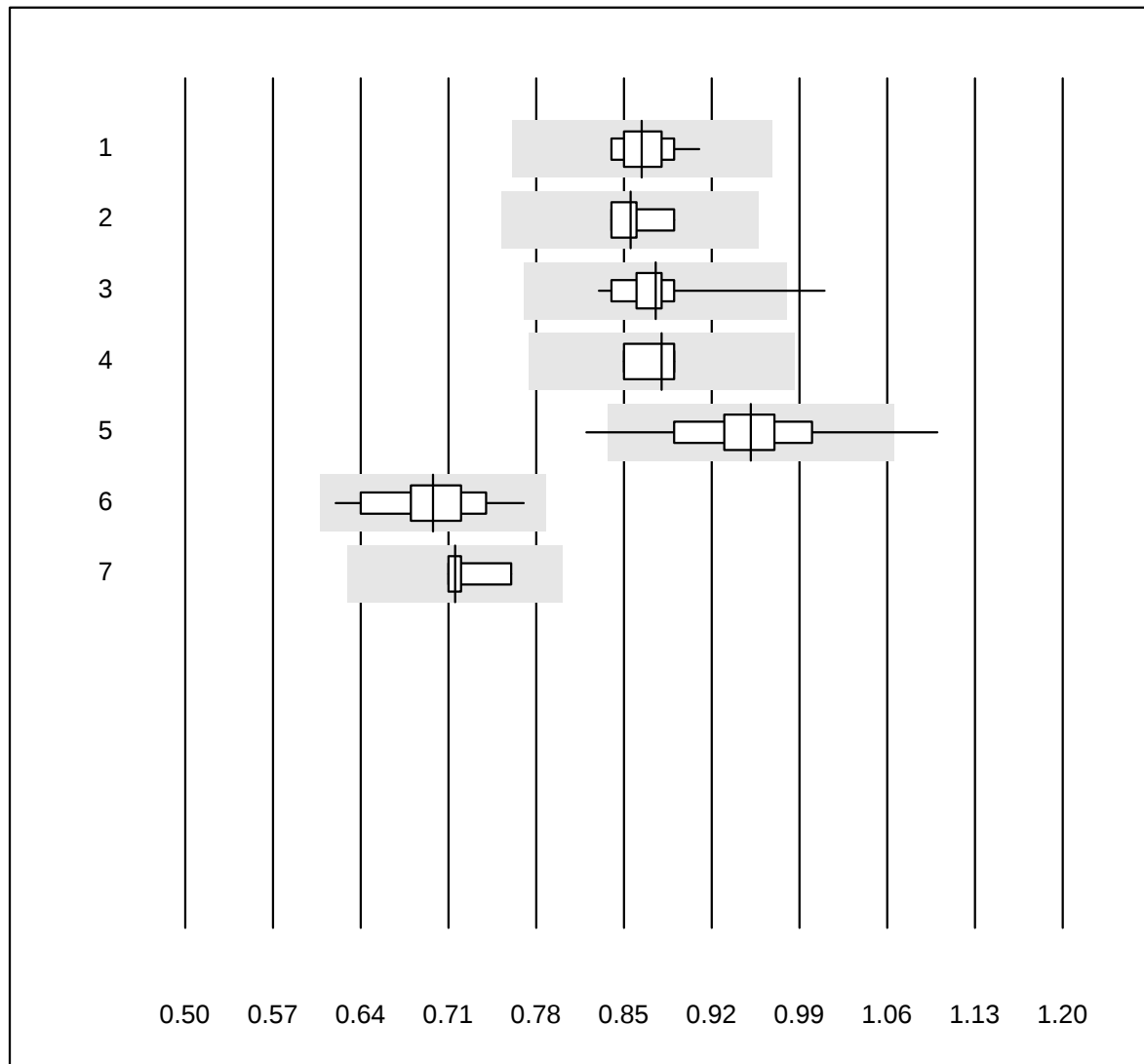
## LDH



| No. | Methode            | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|--------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Abbott             | 15    | 100.0 | 0.0       | 0.0       | 166    | 6.1 | e    |
| 2   | Beckman            | 5     | 100.0 | 0.0       | 0.0       | 173    | 5.2 | e*   |
| 3   | Roche              | 36    | 100.0 | 0.0       | 0.0       | 177    | 2.3 | e    |
| 4   | Siemens            | 4     | 100.0 | 0.0       | 0.0       | 167    | 5.6 | e*   |
| 5   | Autolyser          | 7     | 85.7  | 14.3      | 0.0       | 180    | 9.8 | e*   |
| 6   | Fuji Dri-Chem      | 113   | 97.3  | 0.9       | 1.8       | 146    | 4.8 | e    |
| 7   | Spotchem D-Concept | 42    | 90.4  | 4.8       | 4.8       | 102    | 9.5 | e    |
| 8   | Spotchem SP-4430   | 13    | 92.3  | 0.0       | 7.7       | 100    | 9.5 | e*   |

3 additional results were submitted but not published because the method groups were too small. (< results per group)

## Magnesium



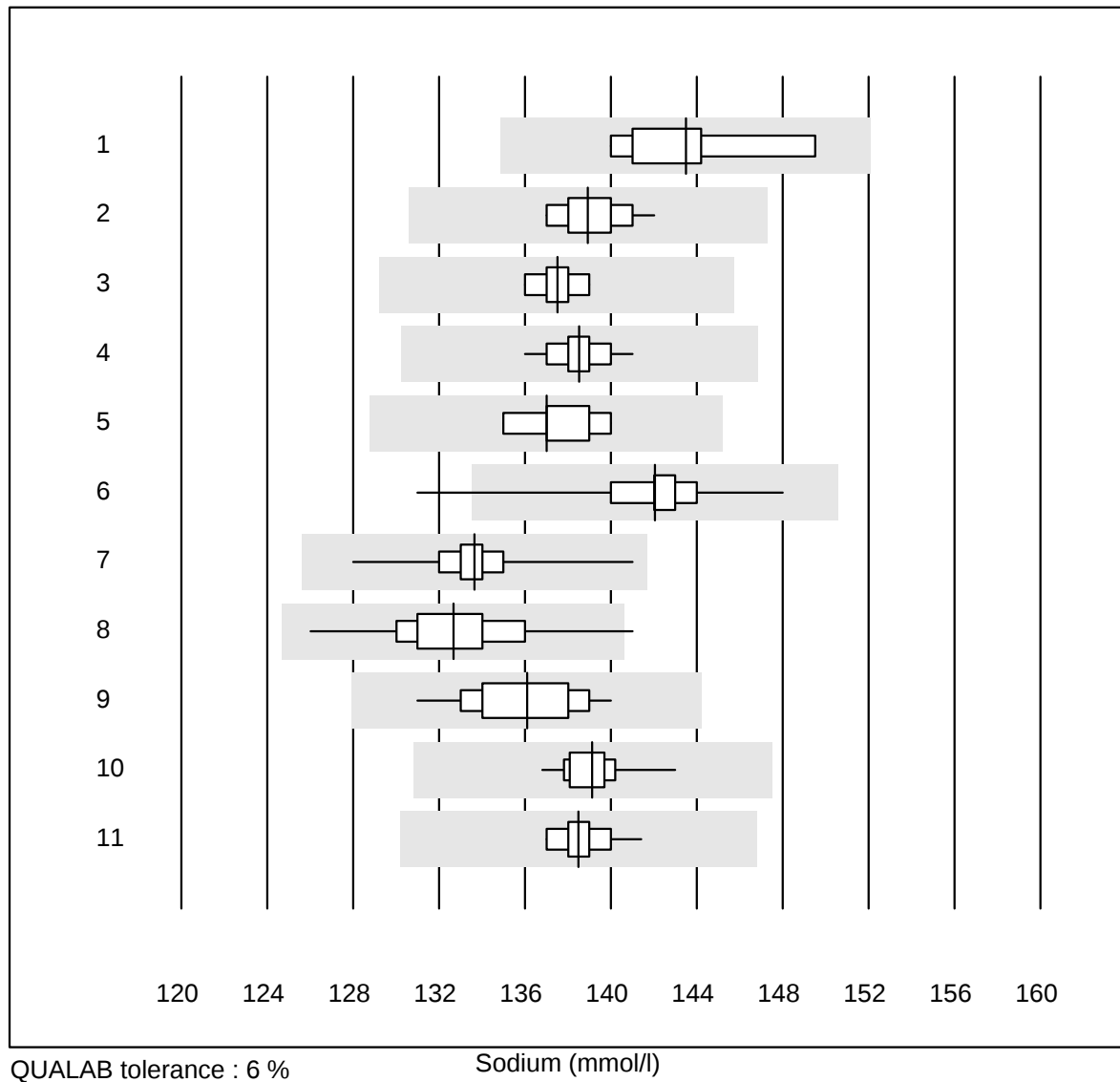
QUALAB tolerance : 12 %  
( < 0.70: +/- 0.09 mmol/l)

Magnesium (mmol/l)

| No. | Methode            | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|--------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Abbott             | 14    | 100.0 | 0.0       | 0.0       | 0.86   | 2.5 | e    |
| 2   | Beckman            | 4     | 100.0 | 0.0       | 0.0       | 0.86   | 2.5 | e    |
| 3   | Roche              | 30    | 96.7  | 3.3       | 0.0       | 0.88   | 3.6 | e    |
| 4   | Siemens            | 4     | 75.0  | 0.0       | 25.0      | 0.88   | 2.3 | e    |
| 5   | Fuji Dri-Chem      | 73    | 93.2  | 4.1       | 2.7       | 0.95   | 4.7 | e    |
| 6   | Spotchem D-Concept | 39    | 100.0 | 0.0       | 0.0       | 0.70   | 5.2 | e    |
| 7   | Spotchem SP-4430   | 4     | 100.0 | 0.0       | 0.0       | 0.72   | 3.3 | e*   |

8 additional results were submitted but not published because the method groups were too small. (< results per group)

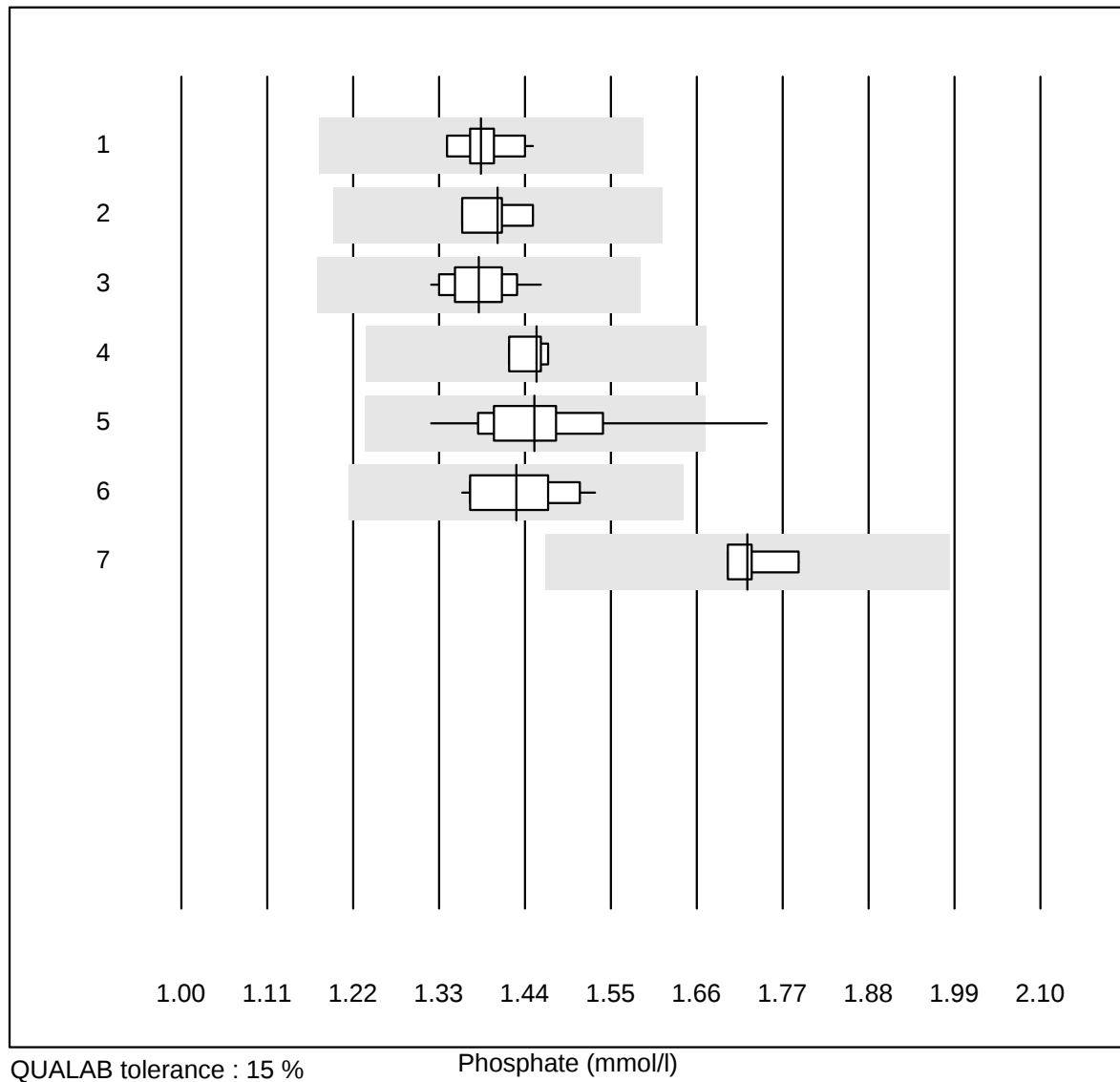
## Sodium



| No. | Methode             | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|---------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Autolyser           | 8     | 100.0 | 0.0       | 0.0       | 144    | 2.1 | e*   |
| 2   | Abbott              | 16    | 93.7  | 0.0       | 6.3       | 139    | 1.0 | e    |
| 3   | Beckman             | 6     | 100.0 | 0.0       | 0.0       | 138    | 0.8 | e    |
| 4   | Roche               | 38    | 100.0 | 0.0       | 0.0       | 139    | 0.9 | e    |
| 5   | Siemens             | 5     | 100.0 | 0.0       | 0.0       | 137    | 1.4 | e    |
| 6   | Fuji Dri-Chem       | 1029  | 98.5  | 0.9       | 0.6       | 142    | 1.4 | e    |
| 7   | Spotchem D-Concept  | 481   | 99.6  | 0.0       | 0.4       | 134    | 1.1 | e    |
| 8   | Spotchem EL-SE 1520 | 67    | 94.0  | 1.5       | 4.5       | 133    | 2.0 | e    |
| 9   | Piccolo             | 35    | 100.0 | 0.0       | 0.0       | 136    | 1.6 | e    |
| 10  | Exias               | 28    | 100.0 | 0.0       | 0.0       | 139    | 1.0 | e    |
| 11  | iStat Chem8         | 15    | 100.0 | 0.0       | 0.0       | 138    | 0.8 | e    |

5 additional results were submitted but not published because the method groups were too small. (< results per group)

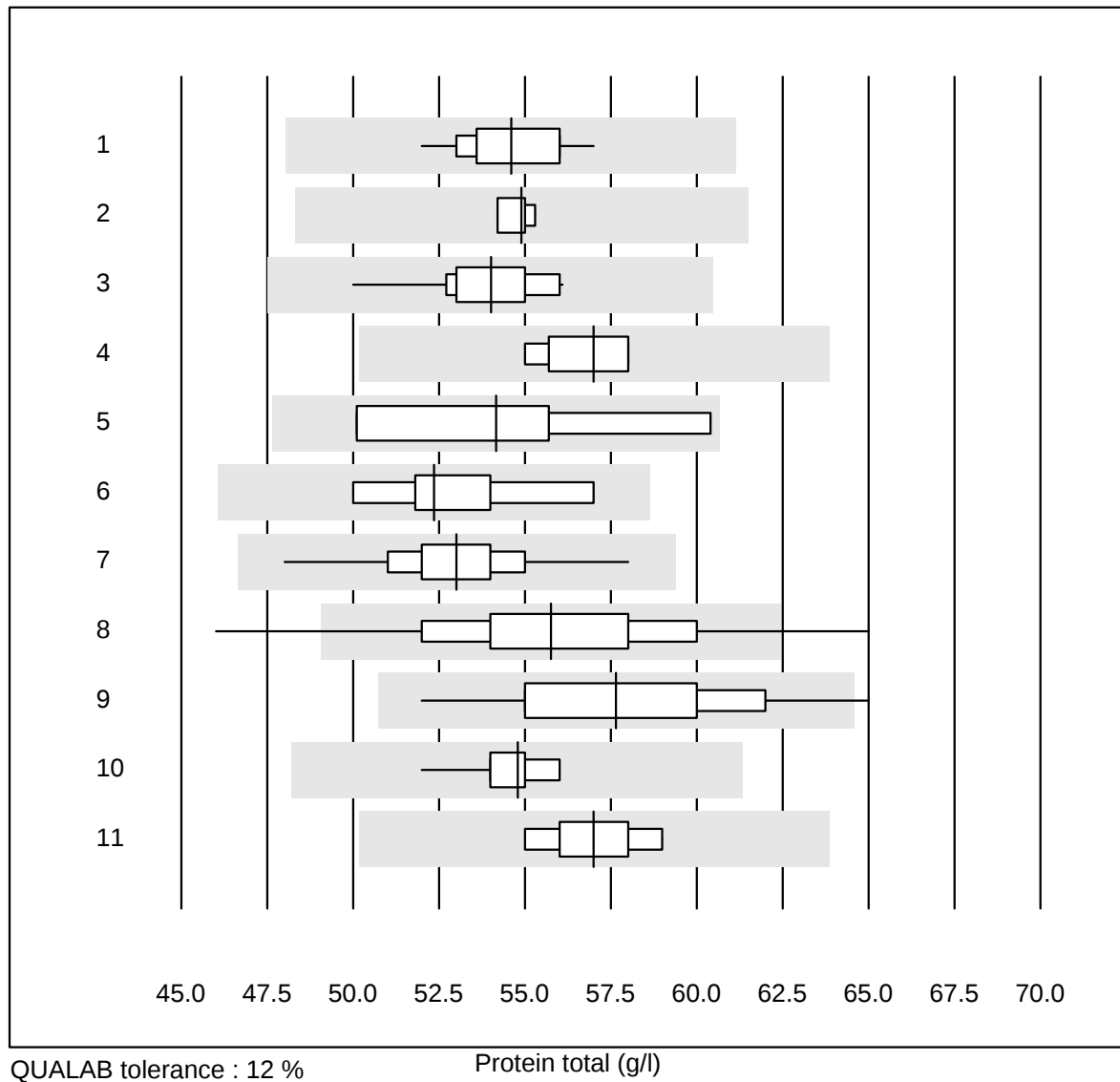
## Phosphate



| No. | Methode            | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|--------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Abbott             | 15    | 100.0 | 0.0       | 0.0       | 1.38   | 2.3 | e    |
| 2   | Beckman            | 4     | 100.0 | 0.0       | 0.0       | 1.41   | 2.6 | e    |
| 3   | Roche              | 35    | 100.0 | 0.0       | 0.0       | 1.38   | 2.7 | e    |
| 4   | Siemens            | 4     | 100.0 | 0.0       | 0.0       | 1.46   | 1.5 | e    |
| 5   | Fuji Dri-Chem      | 68    | 91.1  | 1.5       | 7.4       | 1.45   | 5.3 | e    |
| 6   | Spotchem D-Concept | 14    | 100.0 | 0.0       | 0.0       | 1.43   | 4.0 | e    |
| 7   | Piccolo            | 4     | 100.0 | 0.0       | 0.0       | 1.73   | 2.2 | e    |

10 additional results were submitted but not published because the method groups were too small. (< results per group)

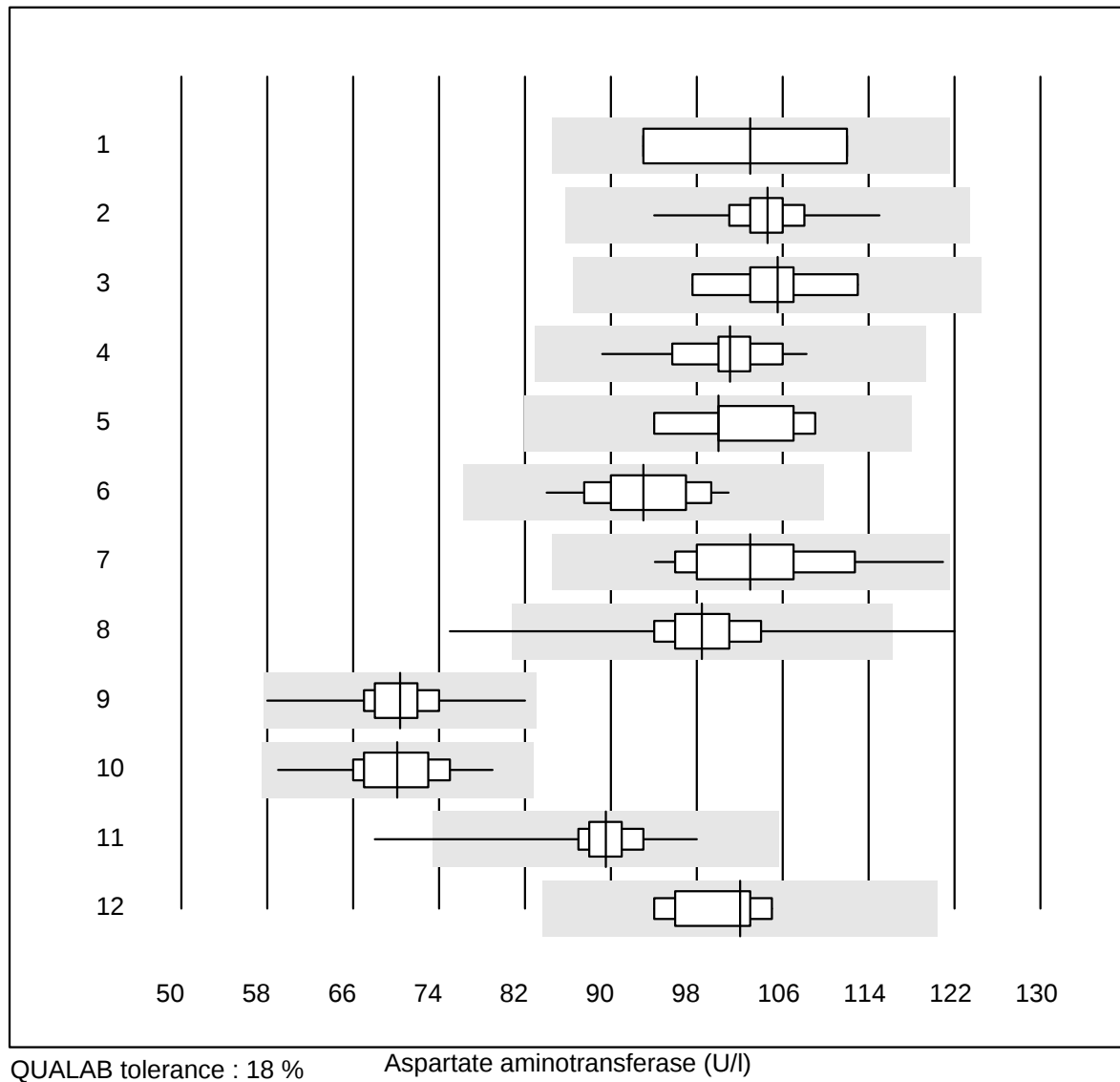
## Protein total



| No. | Method             | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|--------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Abbott             | 14    | 100.0 | 0.0       | 0.0       | 54.6   | 2.6 | e    |
| 2   | Beckman            | 4     | 100.0 | 0.0       | 0.0       | 54.9   | 0.8 | e    |
| 3   | Roche              | 32    | 100.0 | 0.0       | 0.0       | 54.0   | 2.6 | e    |
| 4   | Siemens            | 5     | 100.0 | 0.0       | 0.0       | 57.0   | 2.4 | e    |
| 5   | Autolyser          | 4     | 100.0 | 0.0       | 0.0       | 54.2   | 8.1 | e*   |
| 6   | Selectra Pro       | 8     | 87.5  | 0.0       | 12.5      | 52.4   | 4.2 | e*   |
| 7   | Fuji Dri-Chem      | 183   | 97.8  | 0.0       | 2.2       | 53.0   | 3.6 | e    |
| 8   | Spotchem D-Concept | 187   | 92.0  | 5.3       | 2.7       | 55.8   | 5.9 | e    |
| 9   | Spotchem SP-4430   | 23    | 95.7  | 4.3       | 0.0       | 57.7   | 5.2 | e    |
| 10  | Piccolo            | 47    | 100.0 | 0.0       | 0.0       | 54.8   | 1.6 | e    |
| 11  | Skyla              | 5     | 100.0 | 0.0       | 0.0       | 57.0   | 2.8 | e    |

One result was submitted but not published because the method group was too small. (< 4 results per group)

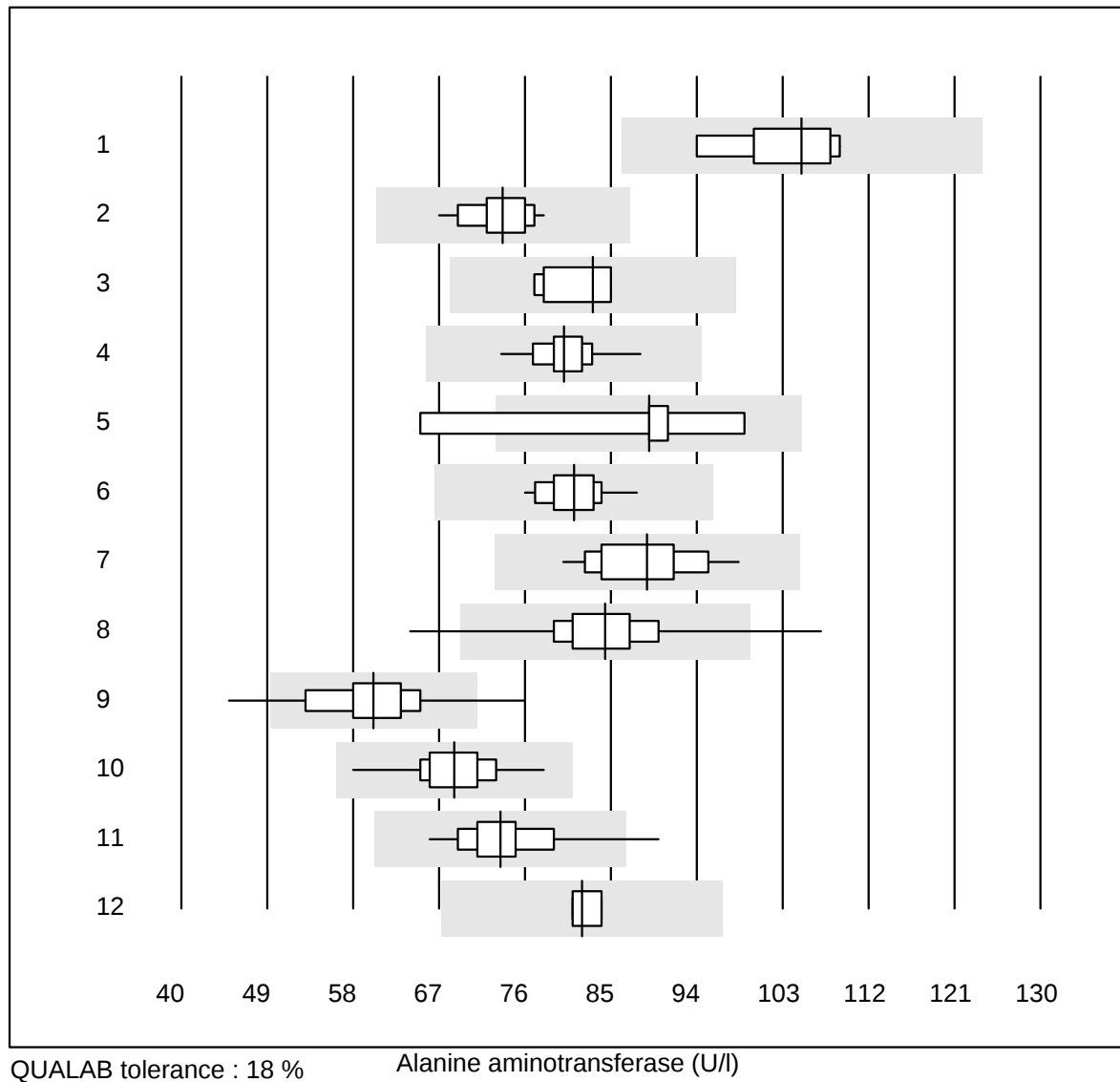
## Aspartate aminotransferase



| No. | Methode            | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----|--------------------|-------|-------|-----------|-----------|--------|------|------|
| 1   | Vitros             | 4     | 100.0 | 0.0       | 0.0       | 103    | 10.4 | e*   |
| 2   | Abbott             | 15    | 100.0 | 0.0       | 0.0       | 105    | 4.1  | e    |
| 3   | Beckman            | 6     | 100.0 | 0.0       | 0.0       | 106    | 4.8  | e    |
| 4   | Roche              | 39    | 100.0 | 0.0       | 0.0       | 101    | 3.8  | e    |
| 5   | Siemens            | 5     | 100.0 | 0.0       | 0.0       | 100    | 5.9  | e*   |
| 6   | Autolyser          | 22    | 100.0 | 0.0       | 0.0       | 93     | 4.9  | e    |
| 7   | Selectra Pro       | 15    | 93.3  | 0.0       | 6.7       | 103    | 7.1  | e    |
| 8   | Fuji Dri-Chem      | 1150  | 98.7  | 0.5       | 0.8       | 99     | 4.3  | e    |
| 9   | Spotchem D-Concept | 634   | 99.5  | 0.0       | 0.5       | 70     | 4.3  | e    |
| 10  | Spotchem SP-4430   | 135   | 99.3  | 0.0       | 0.7       | 70     | 5.4  | e    |
| 11  | Piccolo            | 73    | 98.6  | 1.4       | 0.0       | 90     | 4.0  | e    |
| 12  | Skyla              | 5     | 100.0 | 0.0       | 0.0       | 102    | 4.7  | e    |

2 additional results were submitted but not published because the method groups were too small. (< results per group)

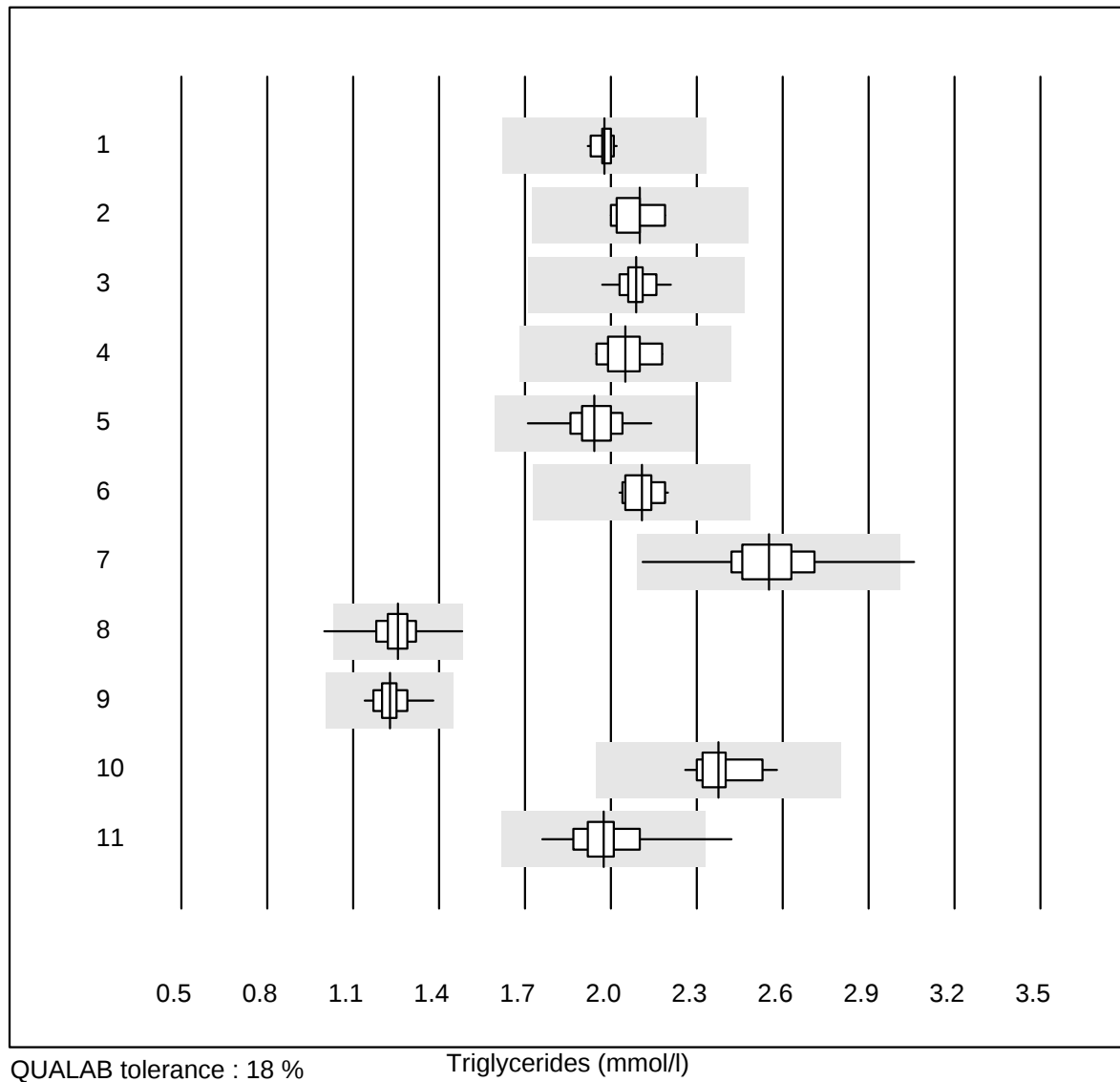
## Alanine aminotransferase



| No. | Method             | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----|--------------------|-------|-------|-----------|-----------|--------|------|------|
| 1   | Vitros             | 5     | 100.0 | 0.0       | 0.0       | 105    | 6.0  | e*   |
| 2   | Abbott             | 13    | 100.0 | 0.0       | 0.0       | 74     | 4.5  | e    |
| 3   | Beckman            | 6     | 100.0 | 0.0       | 0.0       | 83     | 4.3  | e    |
| 4   | Roche              | 39    | 100.0 | 0.0       | 0.0       | 80     | 3.3  | e    |
| 5   | Siemens            | 7     | 85.7  | 14.3      | 0.0       | 89     | 12.0 | e*   |
| 6   | Autolyser          | 22    | 100.0 | 0.0       | 0.0       | 81     | 3.7  | e    |
| 7   | Selectra Pro       | 15    | 100.0 | 0.0       | 0.0       | 89     | 6.0  | e    |
| 8   | Fuji Dri-Chem      | 1169  | 98.2  | 0.9       | 0.9       | 84     | 5.5  | e    |
| 9   | Spotchem D-Concept | 639   | 96.9  | 2.2       | 0.9       | 60     | 7.6  | e    |
| 10  | Spotchem SP-4430   | 136   | 99.3  | 0.0       | 0.7       | 69     | 5.7  | e    |
| 11  | Piccolo            | 70    | 97.1  | 2.9       | 0.0       | 73     | 6.0  | e    |
| 12  | Skyla              | 5     | 100.0 | 0.0       | 0.0       | 82     | 1.8  | e    |

2 additional results were submitted but not published because the method groups were too small. (< results per group)

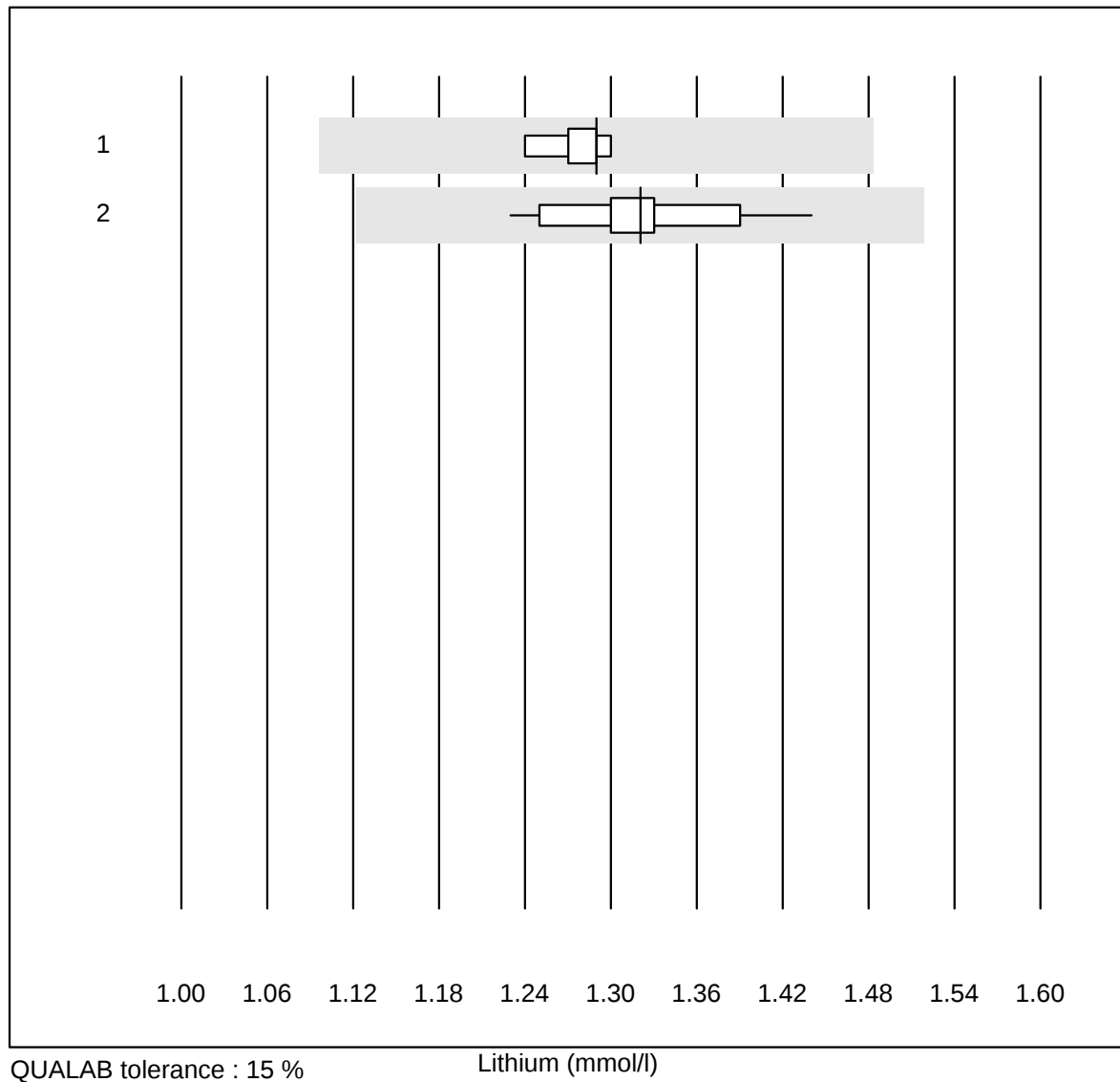
## Triglycerides



| No. | Methode            | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|--------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Abbott             | 13    | 100.0 | 0.0       | 0.0       | 1.98   | 1.6 | e    |
| 2   | Beckman            | 5     | 100.0 | 0.0       | 0.0       | 2.10   | 3.6 | e    |
| 3   | Roche              | 31    | 100.0 | 0.0       | 0.0       | 2.09   | 2.5 | e    |
| 4   | Siemens            | 6     | 100.0 | 0.0       | 0.0       | 2.05   | 4.2 | e    |
| 5   | Autolyser          | 23    | 100.0 | 0.0       | 0.0       | 1.94   | 4.5 | e    |
| 6   | Selectra Pro       | 12    | 100.0 | 0.0       | 0.0       | 2.11   | 2.8 | e    |
| 7   | Fuji Dri-Chem      | 963   | 99.0  | 0.3       | 0.7       | 2.55   | 4.7 | e    |
| 8   | Spotchem D-Concept | 461   | 98.3  | 0.2       | 1.5       | 1.26   | 4.5 | e    |
| 9   | Spotchem SP-4430   | 72    | 100.0 | 0.0       | 0.0       | 1.23   | 3.8 | e    |
| 10  | Piccolo            | 23    | 100.0 | 0.0       | 0.0       | 2.38   | 3.5 | e    |
| 11  | Cholestech LDX     | 256   | 99.2  | 0.4       | 0.4       | 1.97   | 4.8 | e    |

4 additional results were submitted but not published because the method groups were too small. (< results per group)

# Lithium



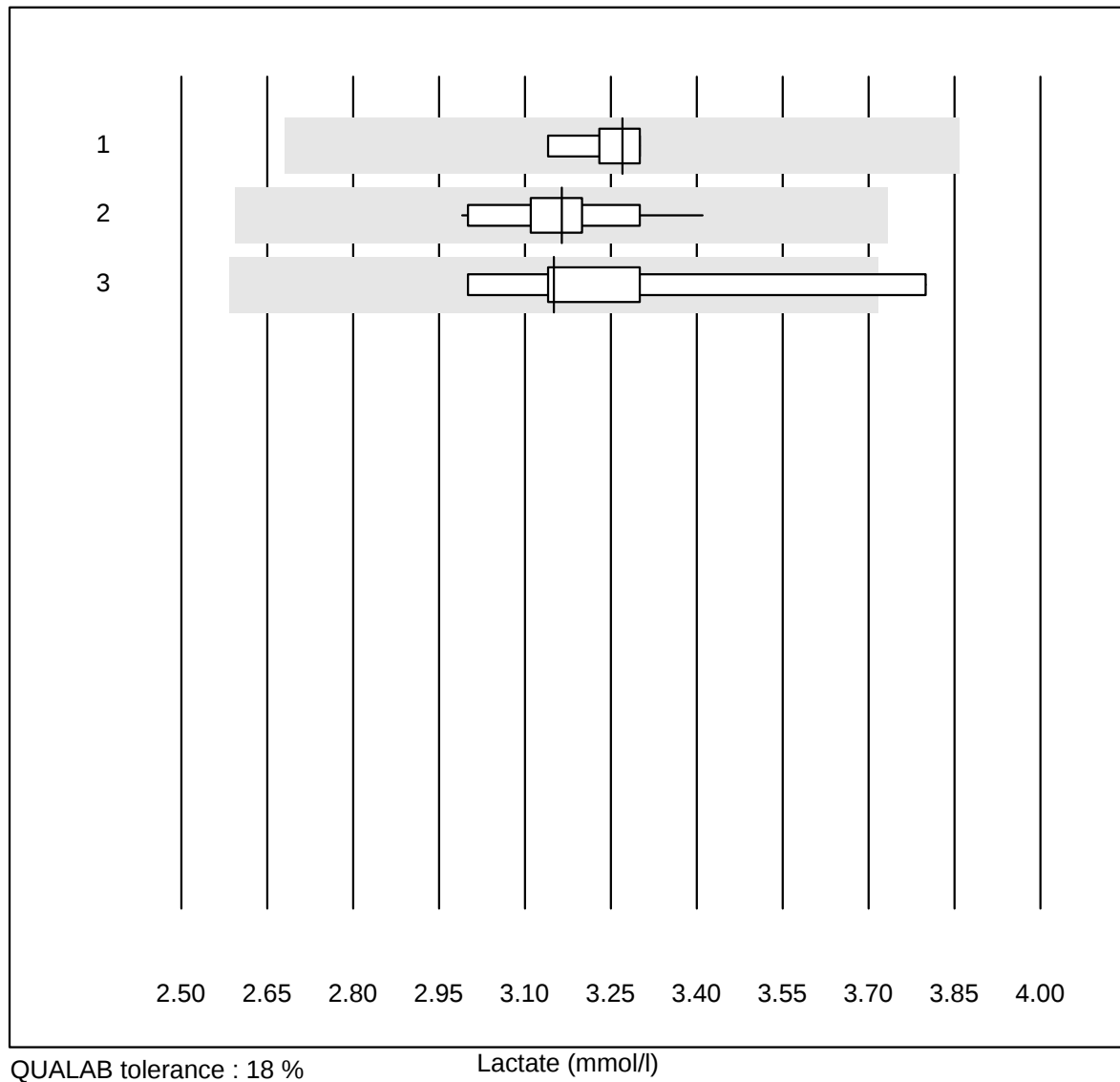
QUALAB tolerance : 15 %

Lithium (mmol/l)

| No. | Methode | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|---------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Abbott  | 5     | 100.0 | 0.0       | 0.0       | 1.29   | 1.9 | e    |
| 2   | Roche   | 17    | 94.1  | 0.0       | 5.9       | 1.32   | 3.7 | e    |

3 additional results were submitted but not published because the method groups were too small. (< results per group)

## Lactate

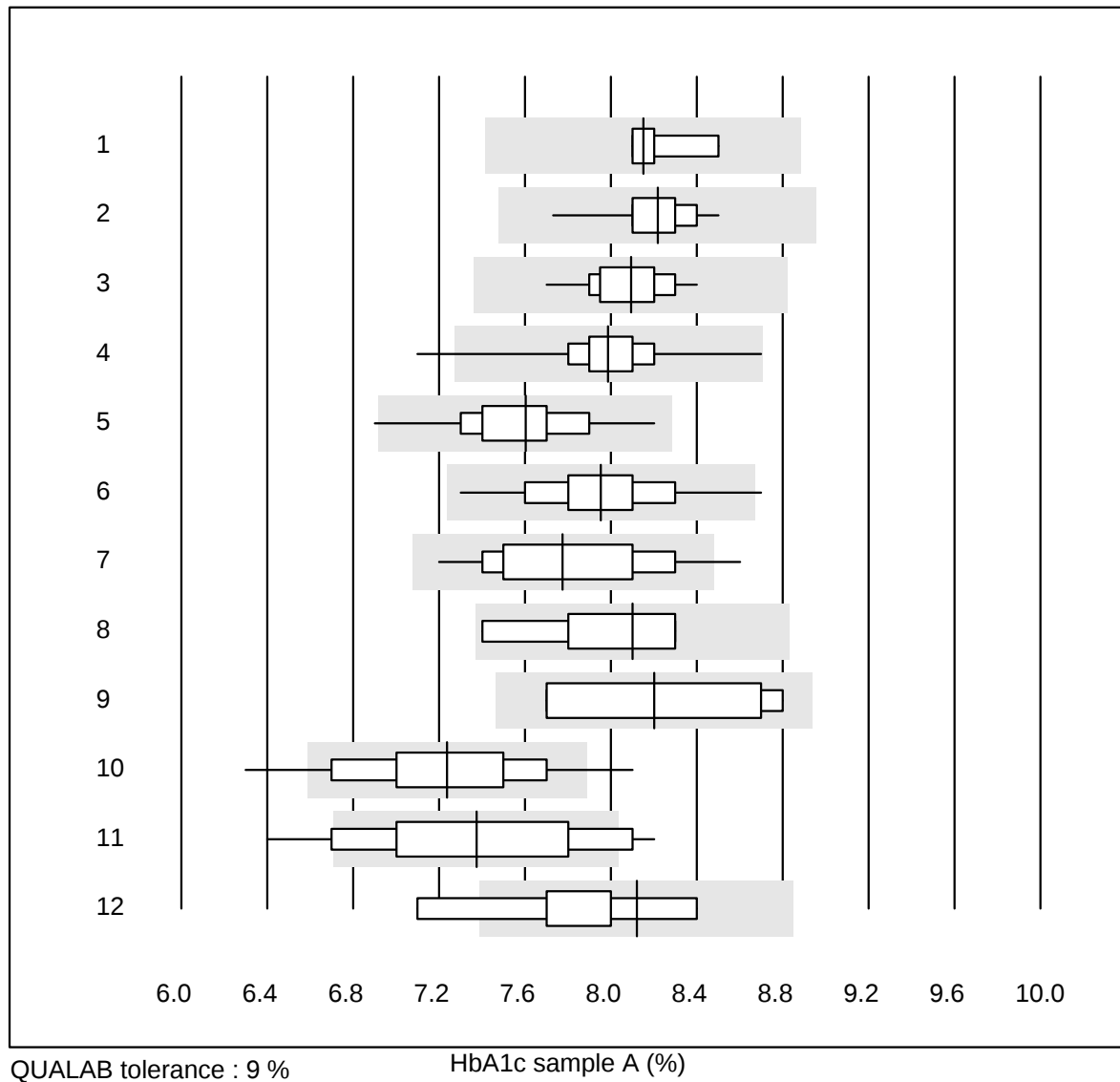


QUALAB tolerance : 18 %

Lactate (mmol/l)

| No. | Methode       | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|---------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Abbott        | 5     | 100.0 | 0.0       | 0.0       | 3.27   | 2.1 | e    |
| 2   | Roche         | 17    | 100.0 | 0.0       | 0.0       | 3.16   | 3.2 | e    |
| 3   | Other methods | 7     | 71.4  | 14.3      | 14.3      | 3.15   | 8.6 | e*   |

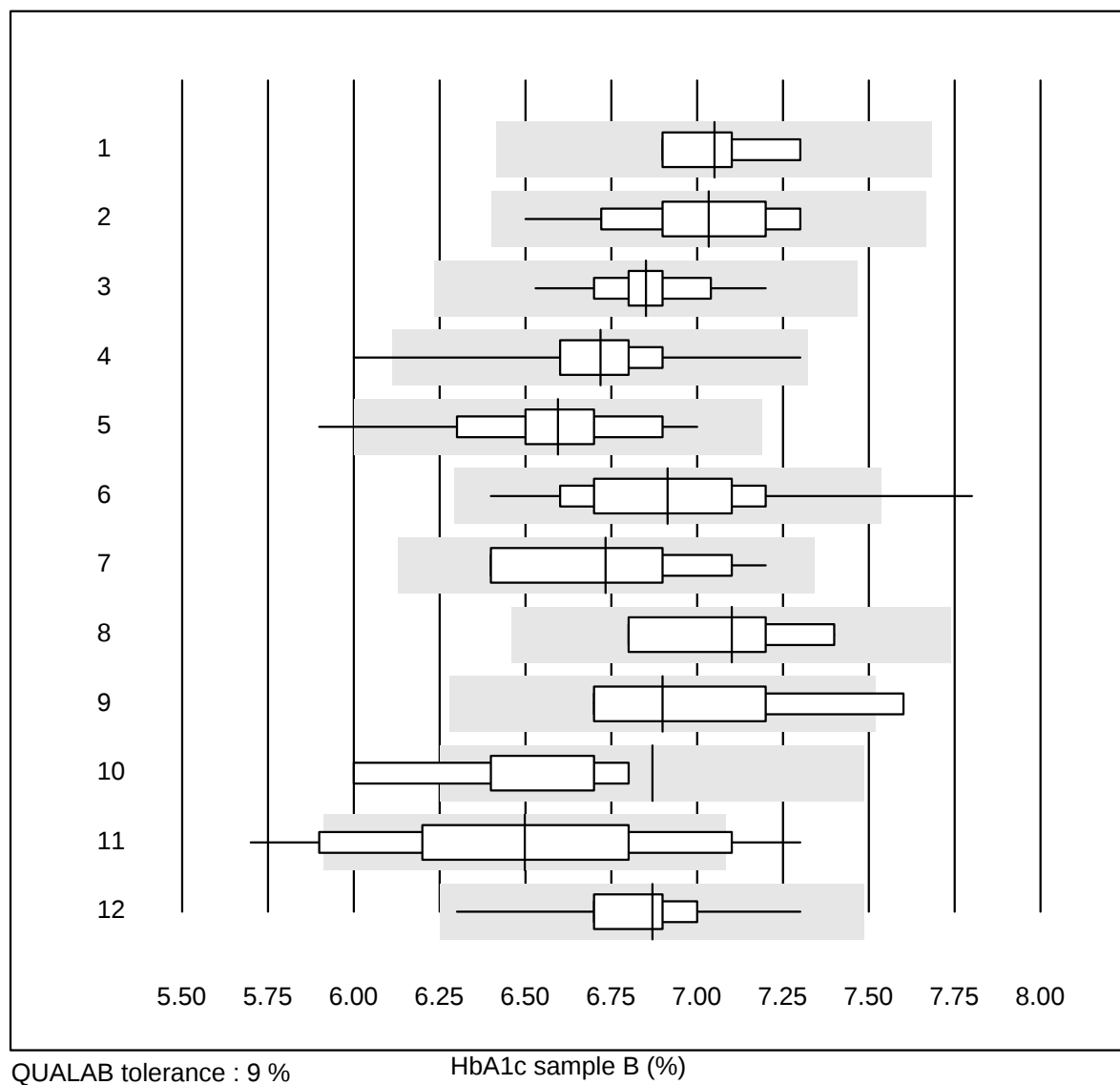
## HbA1c sample A



| No. | Method          | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|-----------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Abbott          | 4     | 100.0 | 0.0       | 0.0       | 8.2    | 2.3 | e*   |
| 2   | Roche, Cobas    | 21    | 100.0 | 0.0       | 0.0       | 8.2    | 2.1 | e    |
| 3   | HPLC            | 13    | 100.0 | 0.0       | 0.0       | 8.1    | 2.4 | e    |
| 4   | Afinion         | 530   | 97.6  | 0.9       | 1.5       | 8.0    | 2.6 | e    |
| 5   | Cobas b101      | 217   | 98.6  | 0.5       | 0.9       | 7.6    | 3.1 | e    |
| 6   | DCA2000/Vantage | 139   | 97.9  | 1.4       | 0.7       | 8.0    | 3.4 | e    |
| 7   | Celltac chemi   | 23    | 87.0  | 4.3       | 8.7       | 7.8    | 4.9 | e    |
| 8   | NycoCard        | 5     | 100.0 | 0.0       | 0.0       | 8.1    | 4.8 | e*   |
| 9   | Eurolyser       | 7     | 100.0 | 0.0       | 0.0       | 8.2    | 5.3 | e*   |
| 10  | A1c Now         | 220   | 87.3  | 8.6       | 4.1       | 7.2    | 5.3 | e    |
| 11  | AFIAS           | 128   | 71.9  | 20.3      | 7.8       | 7.4    | 7.0 | e    |
| 12  | Others          | 18    | 88.9  | 11.1      | 0.0       | 8.1    | 4.5 | c    |

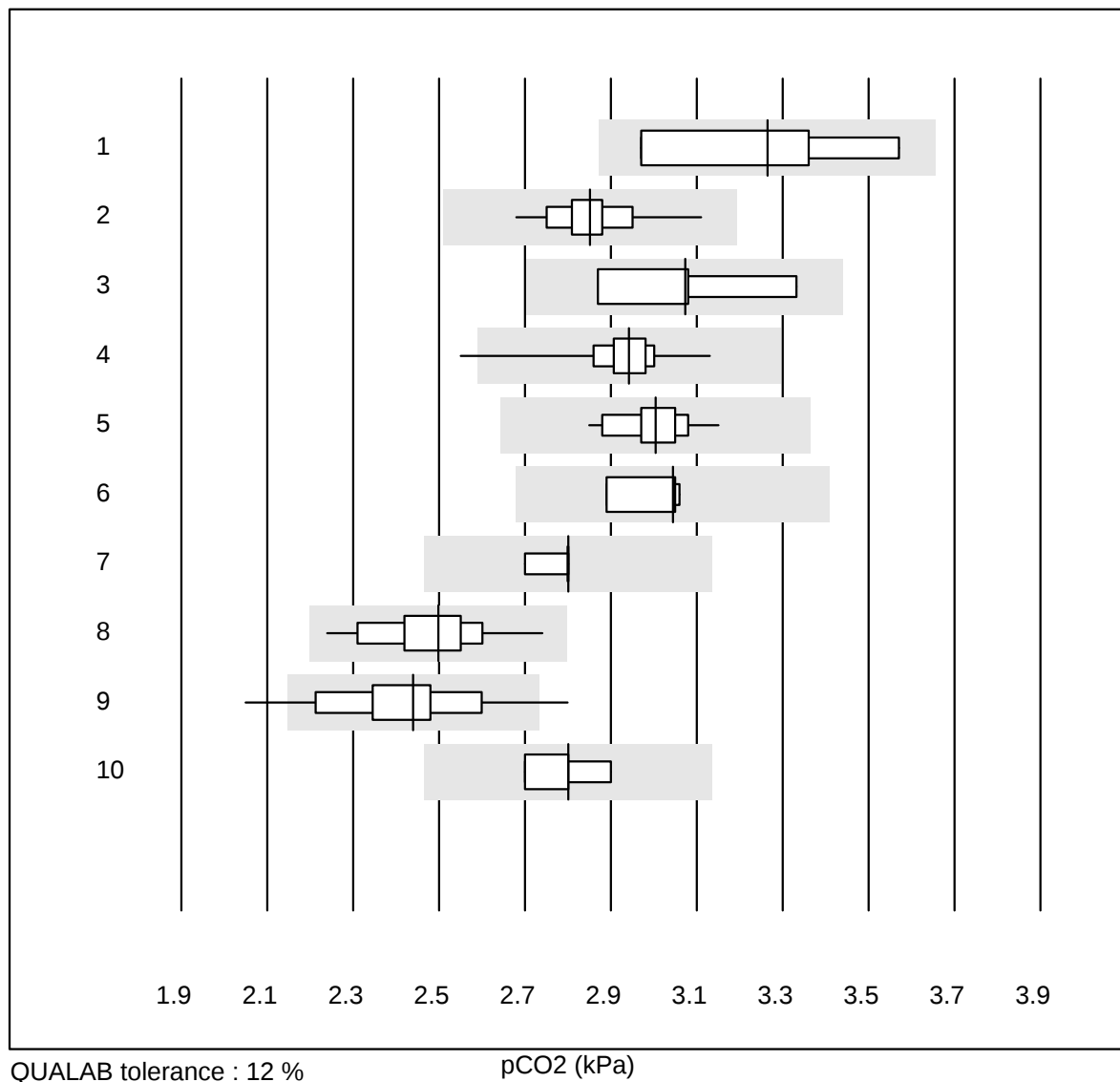
4 additional results were submitted but not published because the method groups were too small. (< results per group)

## HbA1c sample B



| No. | Method          | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|-----------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Abbott          | 4     | 100.0 | 0.0       | 0.0       | 7.1    | 2.4 | e*   |
| 2   | Roche, Cobas    | 18    | 100.0 | 0.0       | 0.0       | 7.0    | 3.1 | e    |
| 3   | HPLC            | 13    | 100.0 | 0.0       | 0.0       | 6.9    | 2.4 | e    |
| 4   | Afinion         | 733   | 98.8  | 0.5       | 0.7       | 6.7    | 2.3 | e    |
| 5   | Cobas b101      | 210   | 98.5  | 1.0       | 0.5       | 6.6    | 3.0 | e    |
| 6   | DCA2000/Vantage | 189   | 96.8  | 1.6       | 1.6       | 6.9    | 3.5 | e    |
| 7   | Celltac chemi   | 21    | 100.0 | 0.0       | 0.0       | 6.7    | 4.1 | e    |
| 8   | NycoCard        | 4     | 100.0 | 0.0       | 0.0       | 7.1    | 3.6 | e*   |
| 9   | Eurolyser       | 5     | 80.0  | 20.0      | 0.0       | 6.9    | 5.5 | e*   |
| 10  | A1c Now         | 7     | 57.1  | 14.3      | 28.6      | 6.9    | 4.9 | c    |
| 11  | AFIAS           | 191   | 69.6  | 21.5      | 8.9       | 6.5    | 6.3 | e    |
| 12  | Others          | 12    | 100.0 | 0.0       | 0.0       | 6.9    | 3.5 | c    |

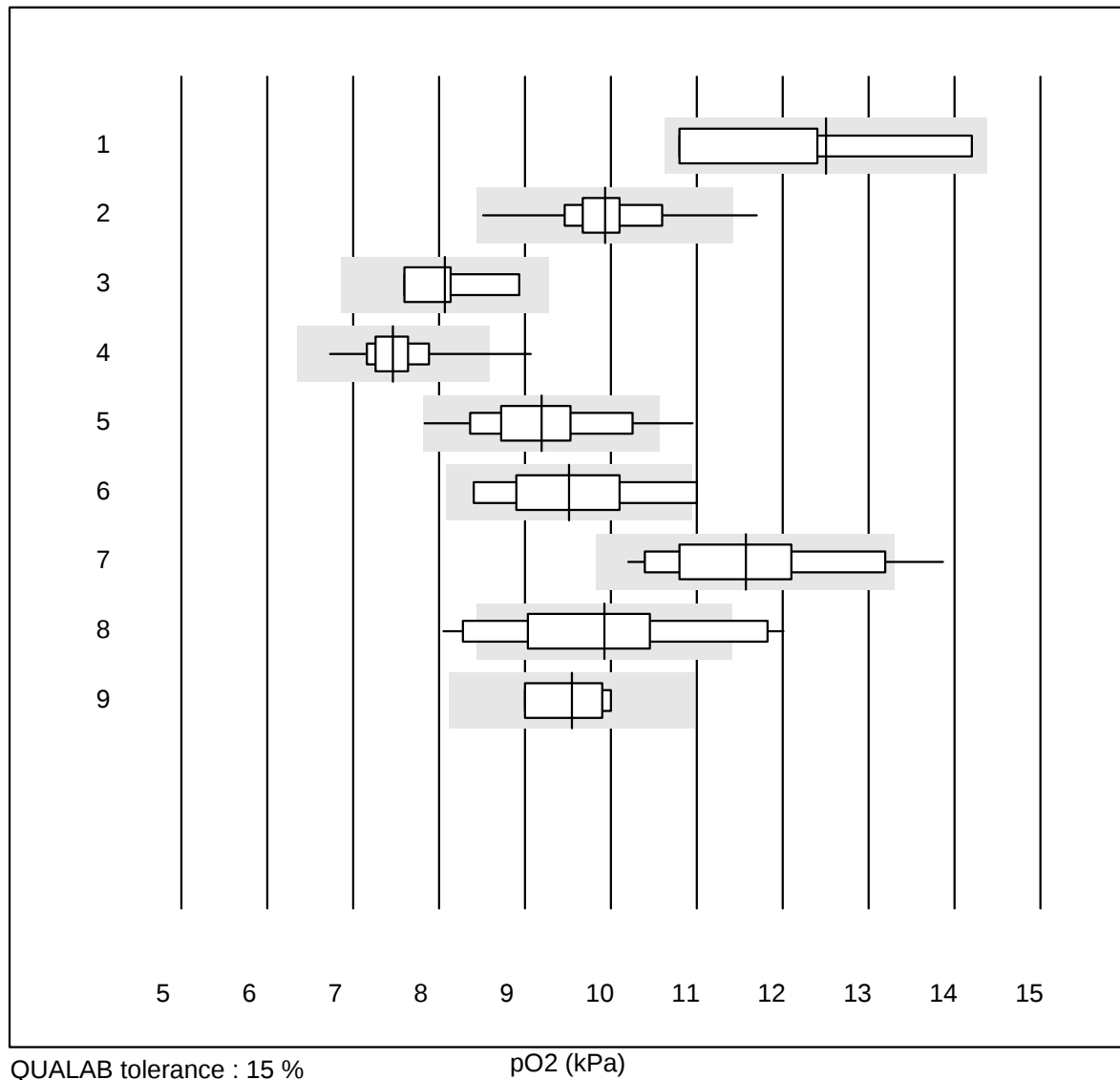
6 additional results were submitted but not published because the method groups were too small. (< results per group)

pCO<sub>2</sub>

| No. | Method               | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|----------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Edan                 | 4     | 100.0 | 0.0       | 0.0       | 3.27   | 7.9 | e*   |
| 2   | ABL700/800           | 108   | 100.0 | 0.0       | 0.0       | 2.85   | 2.6 | e    |
| 3   | ABL80 FLEX CO-OX / O | 4     | 100.0 | 0.0       | 0.0       | 3.07   | 6.1 | e*   |
| 4   | ABL90 FLEX / PLUS    | 129   | 99.2  | 0.8       | 0.0       | 2.94   | 2.3 | e    |
| 5   | Cobas b 123          | 19    | 94.7  | 0.0       | 5.3       | 3.00   | 2.3 | e    |
| 6   | Cobas b 221          | 4     | 100.0 | 0.0       | 0.0       | 3.04   | 2.7 | e    |
| 7   | GEM                  | 8     | 100.0 | 0.0       | 0.0       | 2.80   | 1.3 | e    |
| 8   | iStat                | 51    | 98.0  | 0.0       | 2.0       | 2.50   | 4.3 | e    |
| 9   | EPOC                 | 55    | 89.1  | 9.1       | 1.8       | 2.44   | 6.2 | e    |
| 10  | IL                   | 4     | 100.0 | 0.0       | 0.0       | 2.80   | 2.9 | e*   |

5 additional results were submitted but not published because the method groups were too small. (< results per group)

## pO2

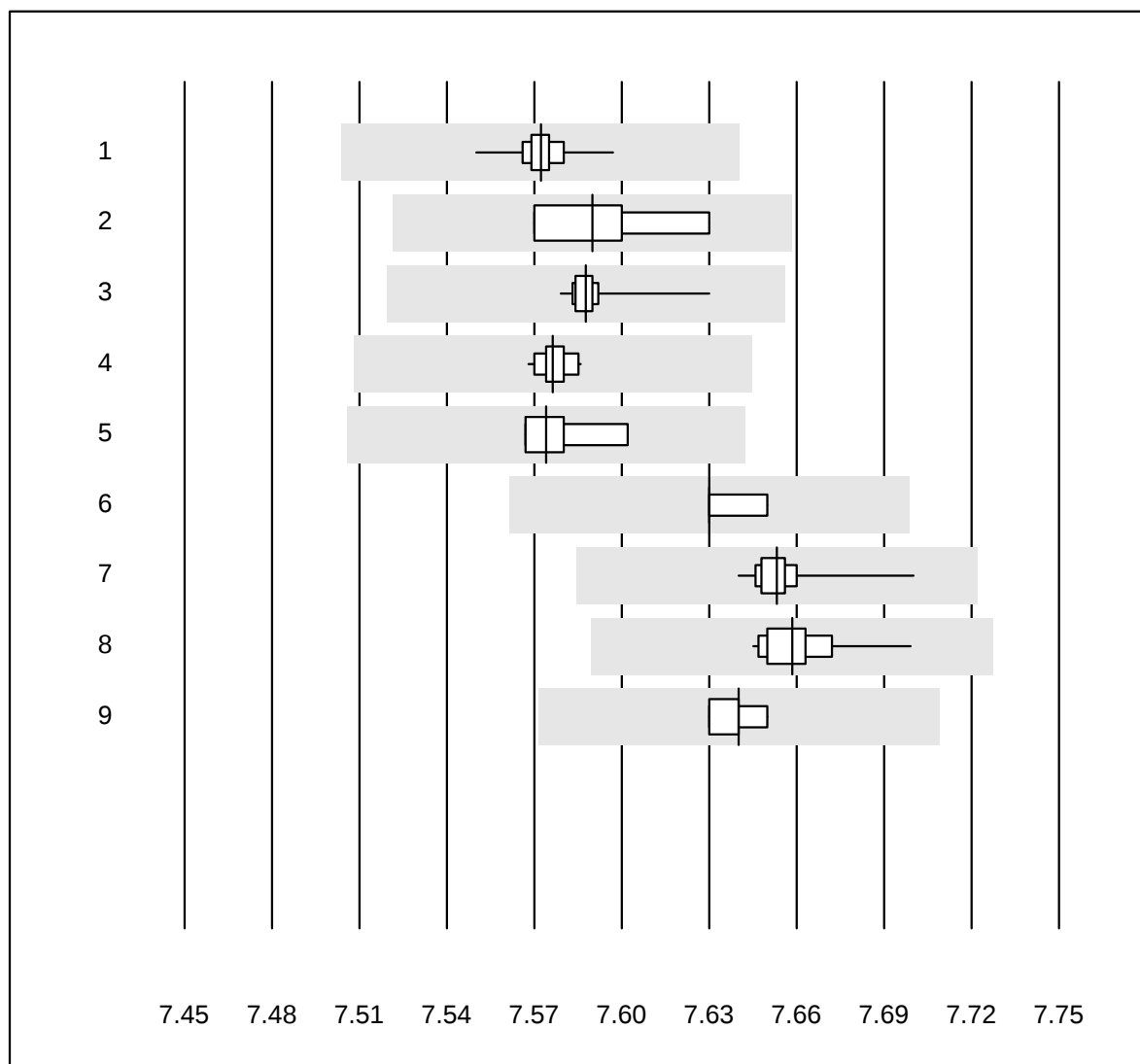


| No. | Methode              | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----|----------------------|-------|-------|-----------|-----------|--------|------|------|
| 1   | Edan                 | 4     | 100.0 | 0.0       | 0.0       | 12.50  | 12.6 | a    |
| 2   | ABL700/800           | 107   | 92.6  | 0.9       | 6.5       | 9.93   | 5.0  | e    |
| 3   | ABL80 FLEX CO-OX / O | 4     | 100.0 | 0.0       | 0.0       | 8.07   | 6.8  | e*   |
| 4   | ABL90 FLEX / PLUS    | 131   | 90.1  | 1.5       | 8.4       | 7.47   | 4.5  | e    |
| 5   | Cobas b 123          | 20    | 90.0  | 5.0       | 5.0       | 9.19   | 7.6  | e    |
| 6   | GEM                  | 8     | 87.5  | 12.5      | 0.0       | 9.52   | 8.7  | e*   |
| 7   | iStat                | 48    | 85.4  | 8.3       | 6.3       | 11.57  | 8.5  | e    |
| 8   | EPOC                 | 55    | 63.7  | 21.8      | 14.5      | 9.93   | 11.5 | e    |
| 9   | IL                   | 4     | 100.0 | 0.0       | 0.0       | 9.55   | 5.2  | e*   |

6 additional results were submitted but not published because the method groups were too small. (< results per group)

# K04 Blood gases

## pH



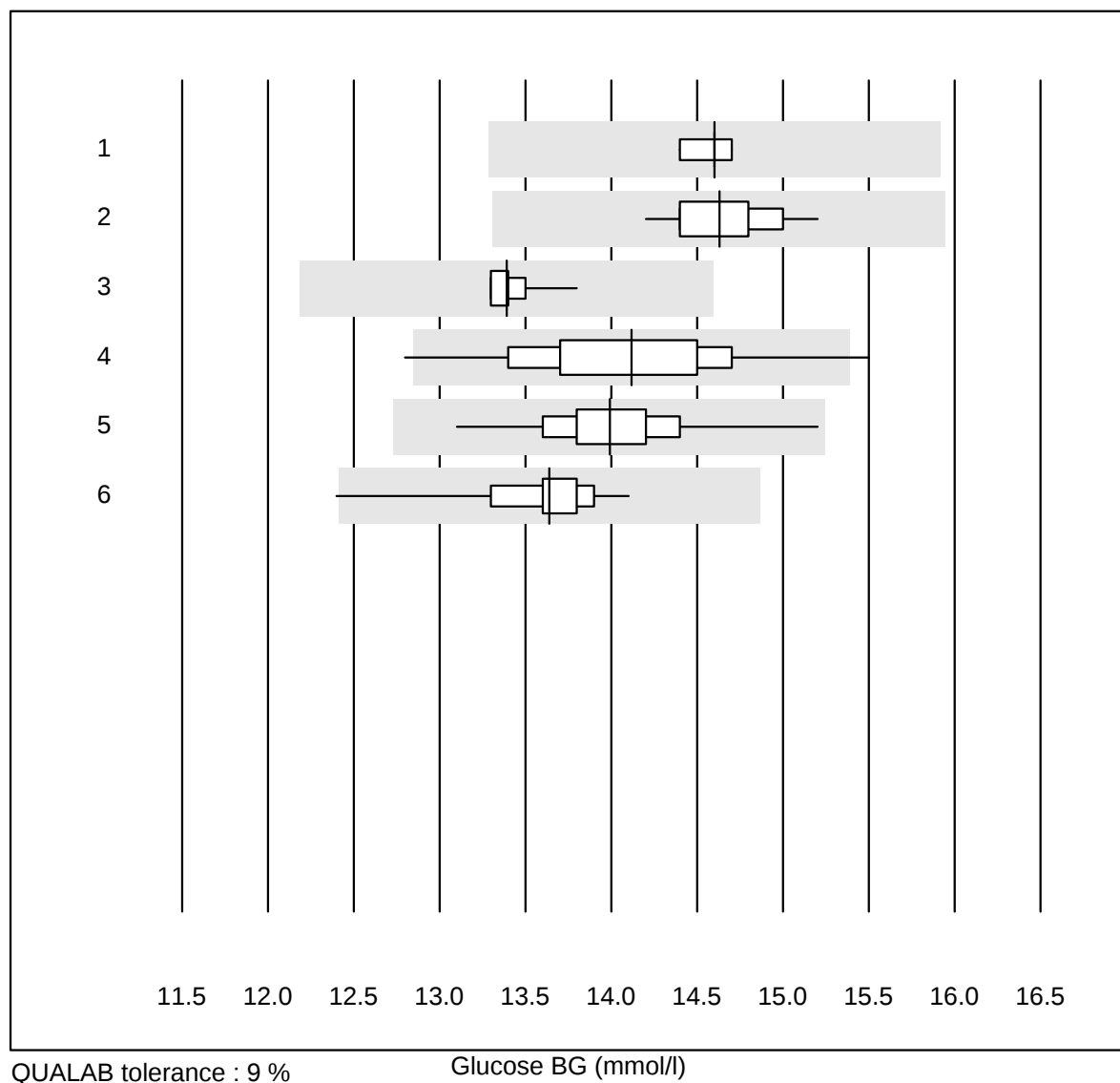
QUALAB tolerance : 1 %

pH ()

| No. | Methode              | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|----------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | ABL700/800           | 106   | 100.0 | 0.0       | 0.0       | 7.57   | 0.1 | e    |
| 2   | ABL80 FLEX CO-OX / O | 4     | 100.0 | 0.0       | 0.0       | 7.59   | 0.3 | e*   |
| 3   | ABL90 FLEX / PLUS    | 131   | 100.0 | 0.0       | 0.0       | 7.59   | 0.1 | e    |
| 4   | Cobas b 123          | 20    | 100.0 | 0.0       | 0.0       | 7.58   | 0.1 | e    |
| 5   | Cobas b 221          | 4     | 100.0 | 0.0       | 0.0       | 7.57   | 0.2 | e    |
| 6   | GEM                  | 8     | 100.0 | 0.0       | 0.0       | 7.63   | 0.1 | e    |
| 7   | iStat                | 53    | 100.0 | 0.0       | 0.0       | 7.65   | 0.1 | e    |
| 8   | EPOC                 | 55    | 100.0 | 0.0       | 0.0       | 7.66   | 0.1 | e    |
| 9   | IL                   | 4     | 100.0 | 0.0       | 0.0       | 7.64   | 0.1 | e    |

8 additional results were submitted but not published because the method groups were too small. (< results per group)

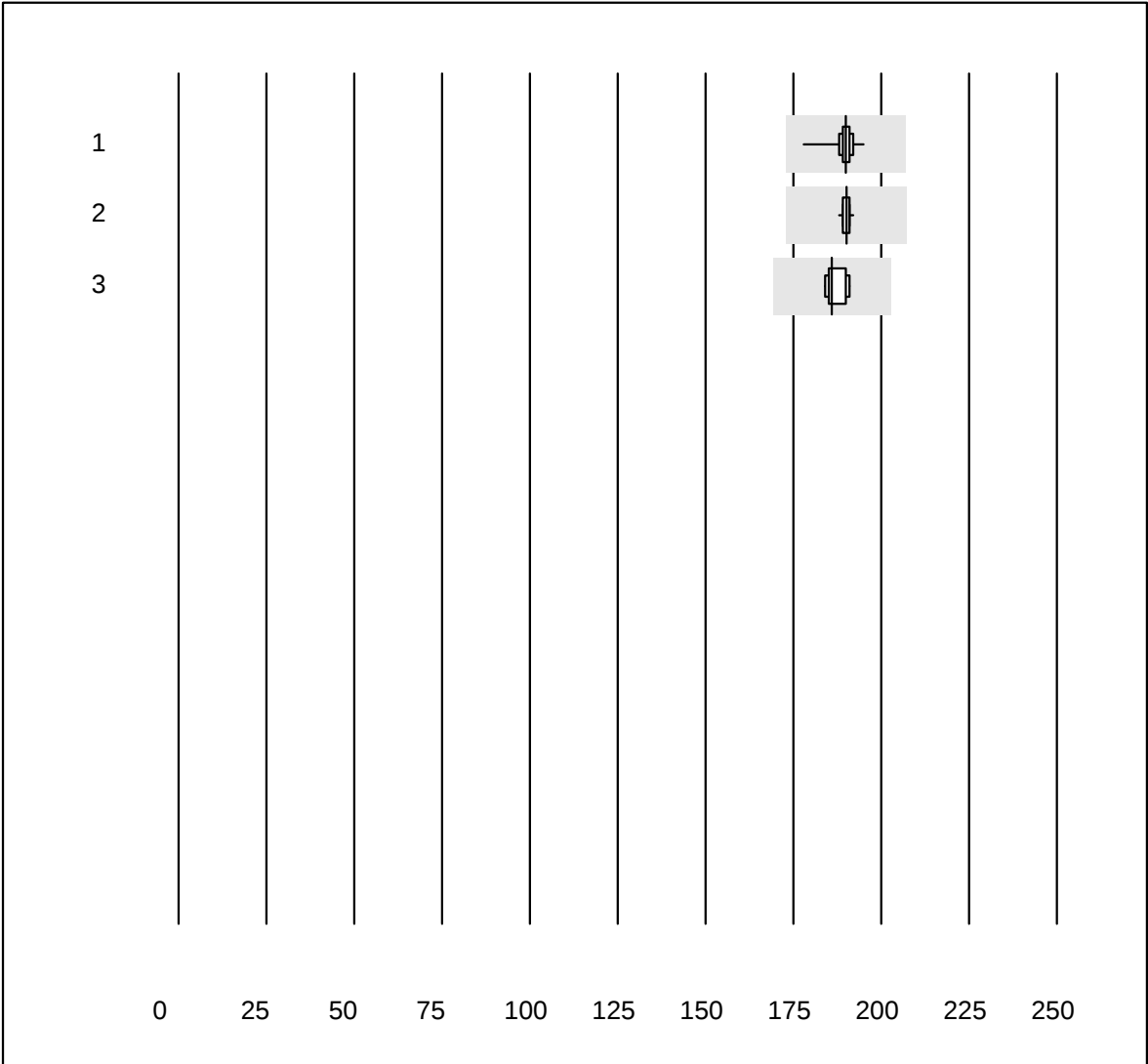
## Glucose BG



| No. | Methode           | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|-------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | GEM               | 5     | 100.0 | 0.0       | 0.0       | 14.6   | 0.8 | e    |
| 2   | Cobas b 123       | 12    | 100.0 | 0.0       | 0.0       | 14.6   | 2.0 | e    |
| 3   | iStat             | 10    | 100.0 | 0.0       | 0.0       | 13.4   | 1.2 | e    |
| 4   | EPOC              | 44    | 95.5  | 4.5       | 0.0       | 14.1   | 4.3 | e    |
| 5   | ABL700/800        | 98    | 99.0  | 0.0       | 1.0       | 14.0   | 2.4 | e    |
| 6   | ABL90 FLEX / PLUS | 119   | 99.2  | 0.8       | 0.0       | 13.6   | 2.1 | e    |

7 additional results were submitted but not published because the method groups were too small. (< results per group)

Hemoglobin BG



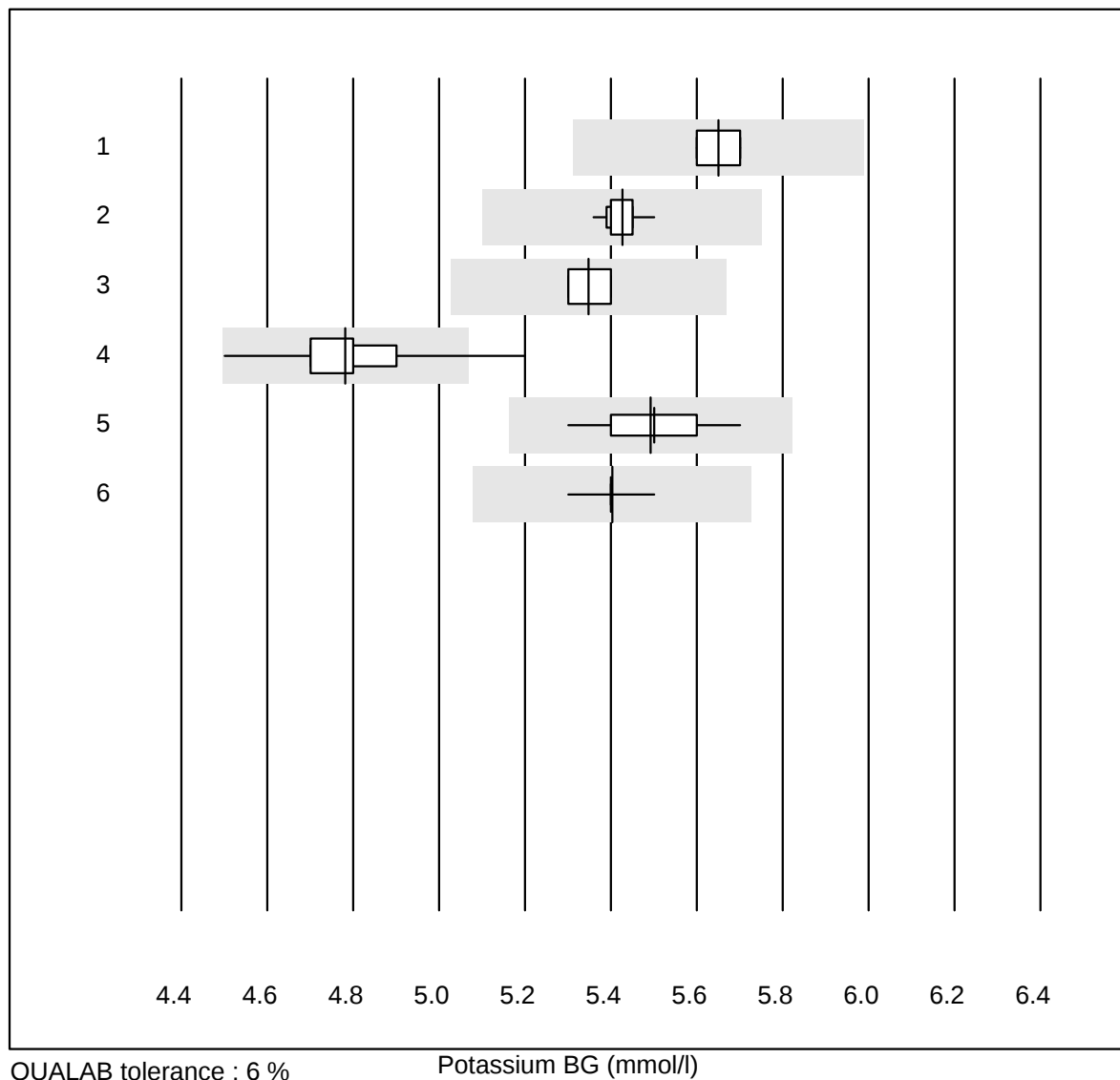
QUALAB tolerance : 9 %

Hemoglobin BG (g/l)

| No. | Methode              | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|----------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | ABL700/800           | 100   | 100.0 | 0.0       | 0.0       | 189.9  | 1.6 | e    |
| 2   | ABL90 FLEX / PLUS    | 119   | 100.0 | 0.0       | 0.0       | 190.0  | 0.4 | e    |
| 3   | ABL80 FLEX CO-OX / O | 5     | 100.0 | 0.0       | 0.0       | 186.0  | 1.7 | e    |

2 additional results were submitted but not published because the method groups were too small. (< results per group)

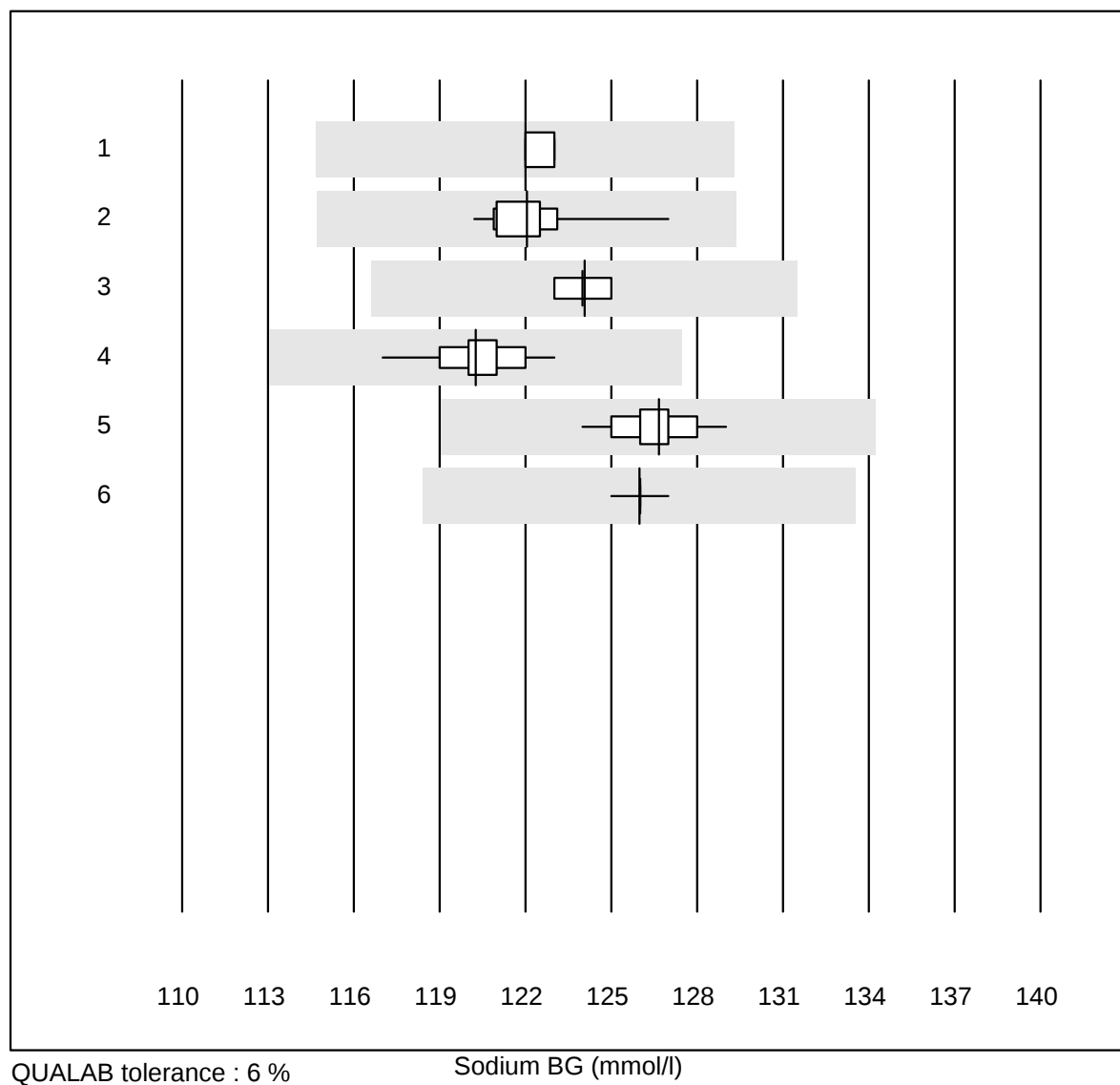
## Potassium BG



| No. | Methode           | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|-------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | GEM               | 6     | 100.0 | 0.0       | 0.0       | 5.7    | 1.0 | e    |
| 2   | Cobas b 123       | 21    | 100.0 | 0.0       | 0.0       | 5.4    | 0.6 | e    |
| 3   | iStat             | 18    | 100.0 | 0.0       | 0.0       | 5.3    | 0.9 | e    |
| 4   | EPOC              | 45    | 97.8  | 2.2       | 0.0       | 4.8    | 2.5 | e    |
| 5   | ABL700/800        | 99    | 100.0 | 0.0       | 0.0       | 5.5    | 1.2 | e    |
| 6   | ABL90 FLEX / PLUS | 123   | 98.4  | 0.0       | 1.6       | 5.4    | 0.7 | e    |

9 additional results were submitted but not published because the method groups were too small. (< results per group)

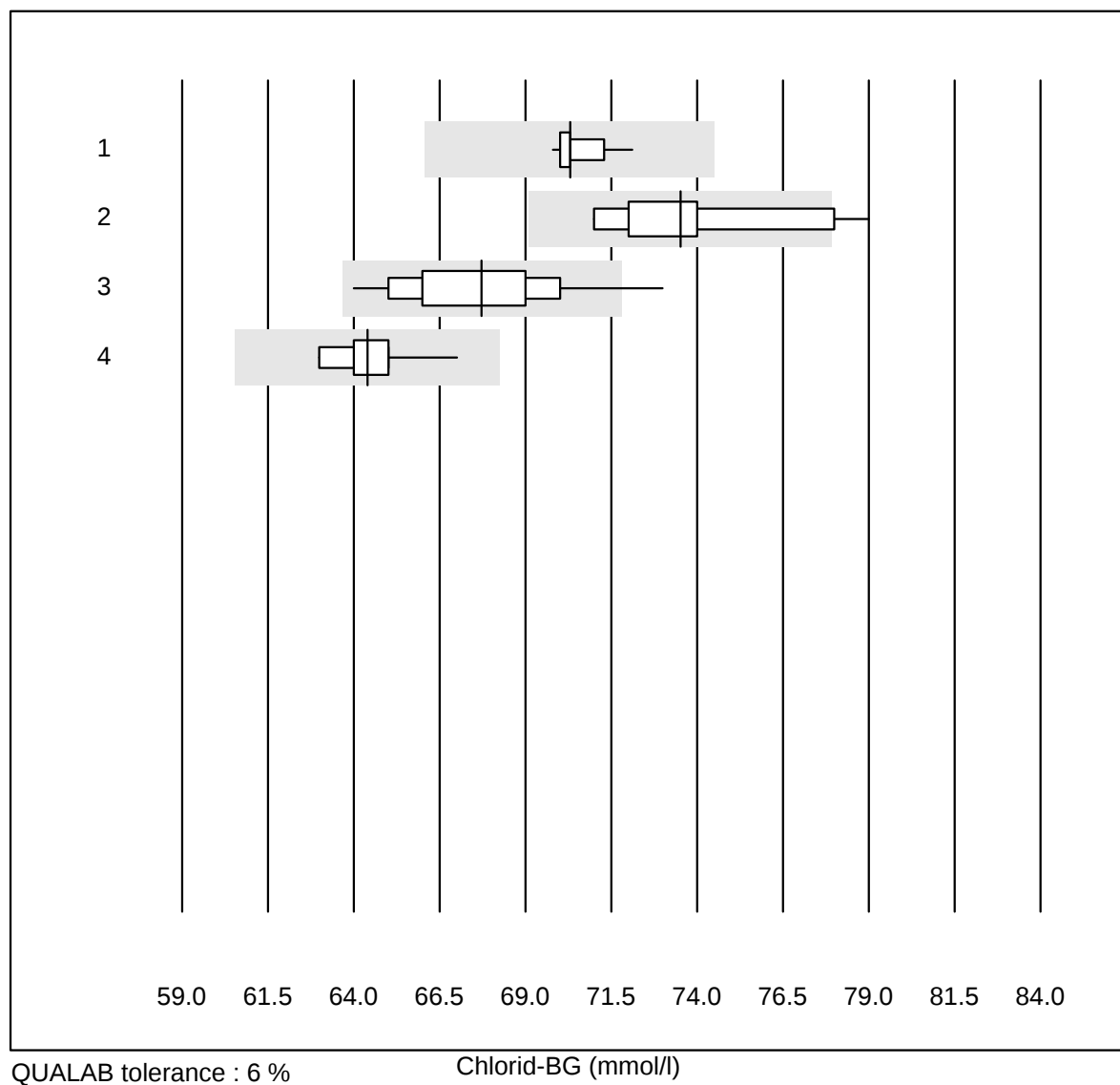
## Sodium BG



| No. | Methode           | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|-------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | GEM               | 7     | 100.0 | 0.0       | 0.0       | 122.0  | 0.4 | e    |
| 2   | Cobas b 123       | 21    | 100.0 | 0.0       | 0.0       | 122.0  | 1.3 | e    |
| 3   | iStat             | 18    | 100.0 | 0.0       | 0.0       | 124.1  | 0.5 | e    |
| 4   | EPOC              | 43    | 100.0 | 0.0       | 0.0       | 120.3  | 1.0 | e    |
| 5   | ABL700/800        | 98    | 100.0 | 0.0       | 0.0       | 126.7  | 0.8 | e    |
| 6   | ABL90 FLEX / PLUS | 122   | 100.0 | 0.0       | 0.0       | 126.0  | 0.3 | e    |

8 additional results were submitted but not published because the method groups were too small. (< results per group)

## Chlorid-BG



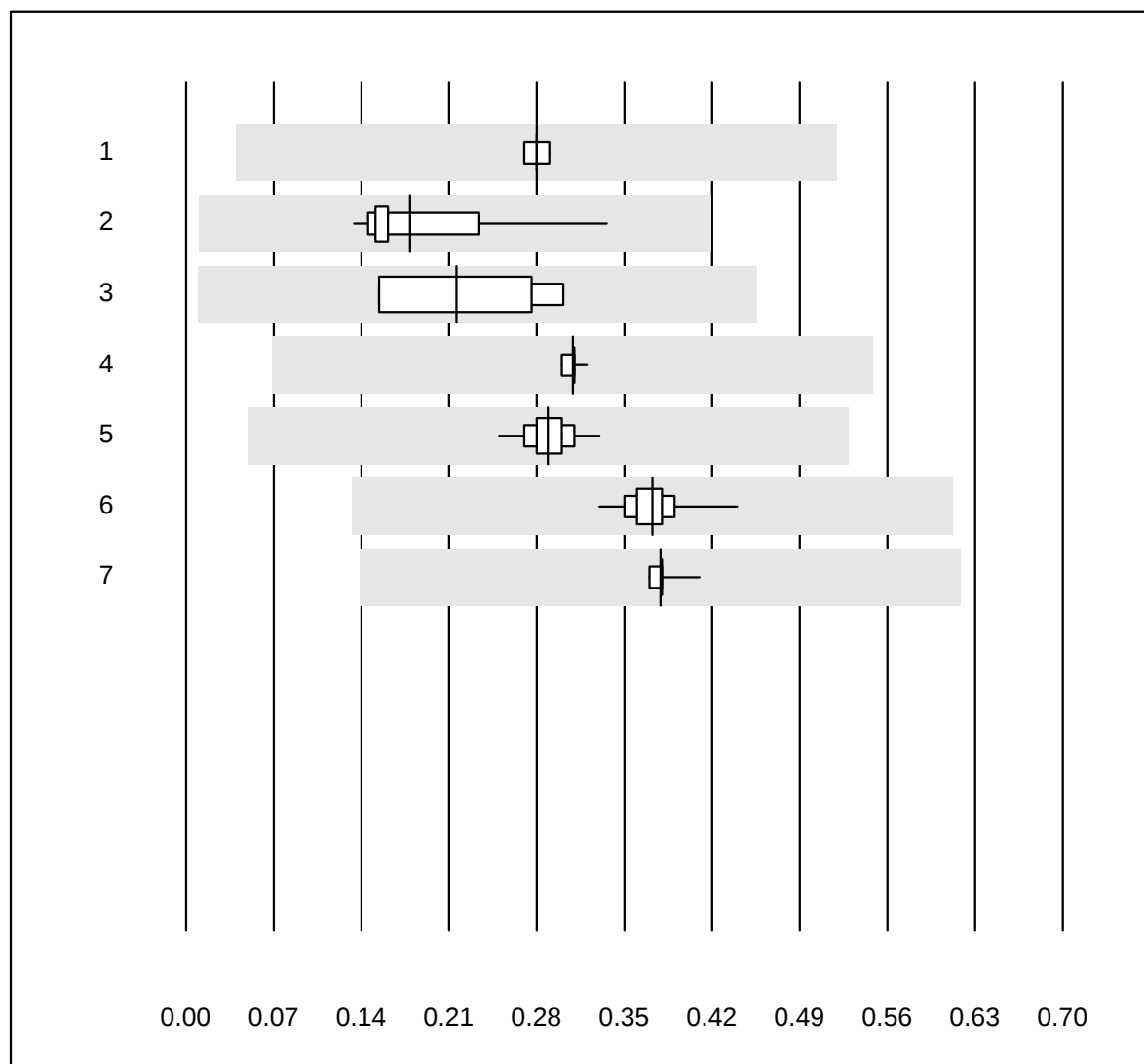
QUALAB tolerance : 6 %

Chlorid-BG (mmol/l)

| No. | Methode           | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|-------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Cobas b 123       | 14    | 100.0 | 0.0       | 0.0       | 70.3   | 0.9 | e    |
| 2   | EPOC              | 19    | 84.2  | 15.8      | 0.0       | 73.5   | 3.3 | e*   |
| 3   | ABL700/800        | 93    | 95.7  | 3.2       | 1.1       | 67.7   | 2.9 | e    |
| 4   | ABL90 FLEX / PLUS | 118   | 100.0 | 0.0       | 0.0       | 64.4   | 1.4 | e    |

5 additional results were submitted but not published because the method groups were too small. (< results per group)

## Calcium-BG



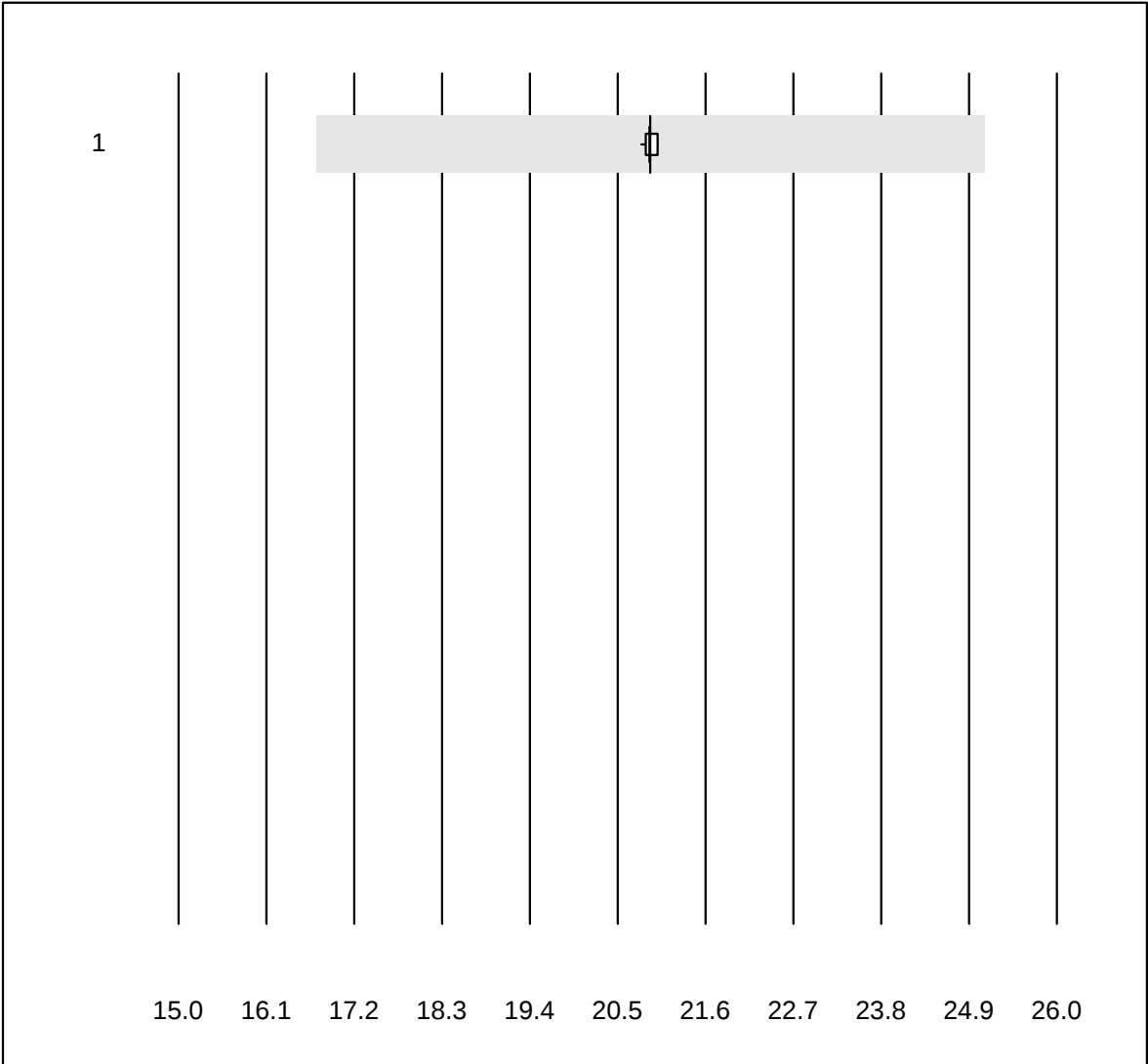
MQ tolerance : 12 %  
( < 2.00: +/- 0.24 mmol/l)

Calcium-BG (mmol/l)

| No. | Methode           | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----|-------------------|-------|-------|-----------|-----------|--------|------|------|
| 1   | GEM               | 6     | 100.0 | 0.0       | 0.0       | 0.28   | 2.3  | e    |
| 2   | Cobas b123        | 12    | 100.0 | 0.0       | 0.0       | 0.18   | 31.6 | e*   |
| 3   | Roche, Cobas      | 4     | 100.0 | 0.0       | 0.0       | 0.22   | 35.1 | e*   |
| 4   | iStat             | 15    | 100.0 | 0.0       | 0.0       | 0.31   | 1.7  | e    |
| 5   | EPOC              | 41    | 97.6  | 0.0       | 2.4       | 0.29   | 5.1  | e    |
| 6   | ABL700/800        | 98    | 100.0 | 0.0       | 0.0       | 0.37   | 4.5  | e    |
| 7   | ABL90 FLEX / PLUS | 120   | 100.0 | 0.0       | 0.0       | 0.38   | 1.5  | e    |

7 additional results were submitted but not published because the method groups were too small. (< results per group)

FHHb

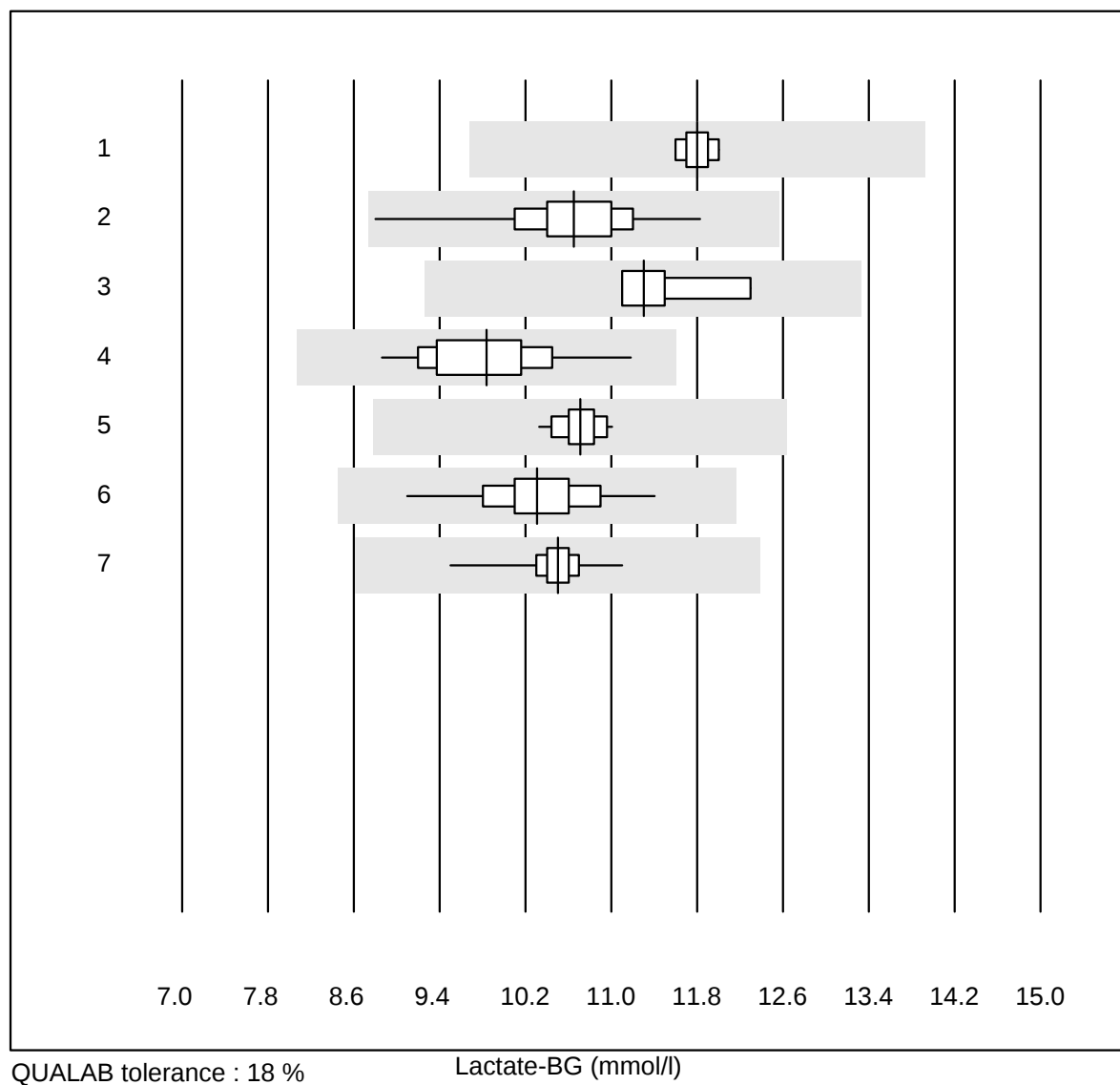


MQ tolerance : 20 %

FHHb (%)

| No.                                                                                                                   | Methode           | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----------------------------------------------------------------------------------------------------------------------|-------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1                                                                                                                     | ABL90 FLEX / PLUS | 18    | 100.0 | 0.0       | 0.0       | 20.908 | 0.2 | e    |
| 2 additional results were submitted but not published because the method groups were too small. (< results per group) |                   |       |       |           |           |        |     |      |

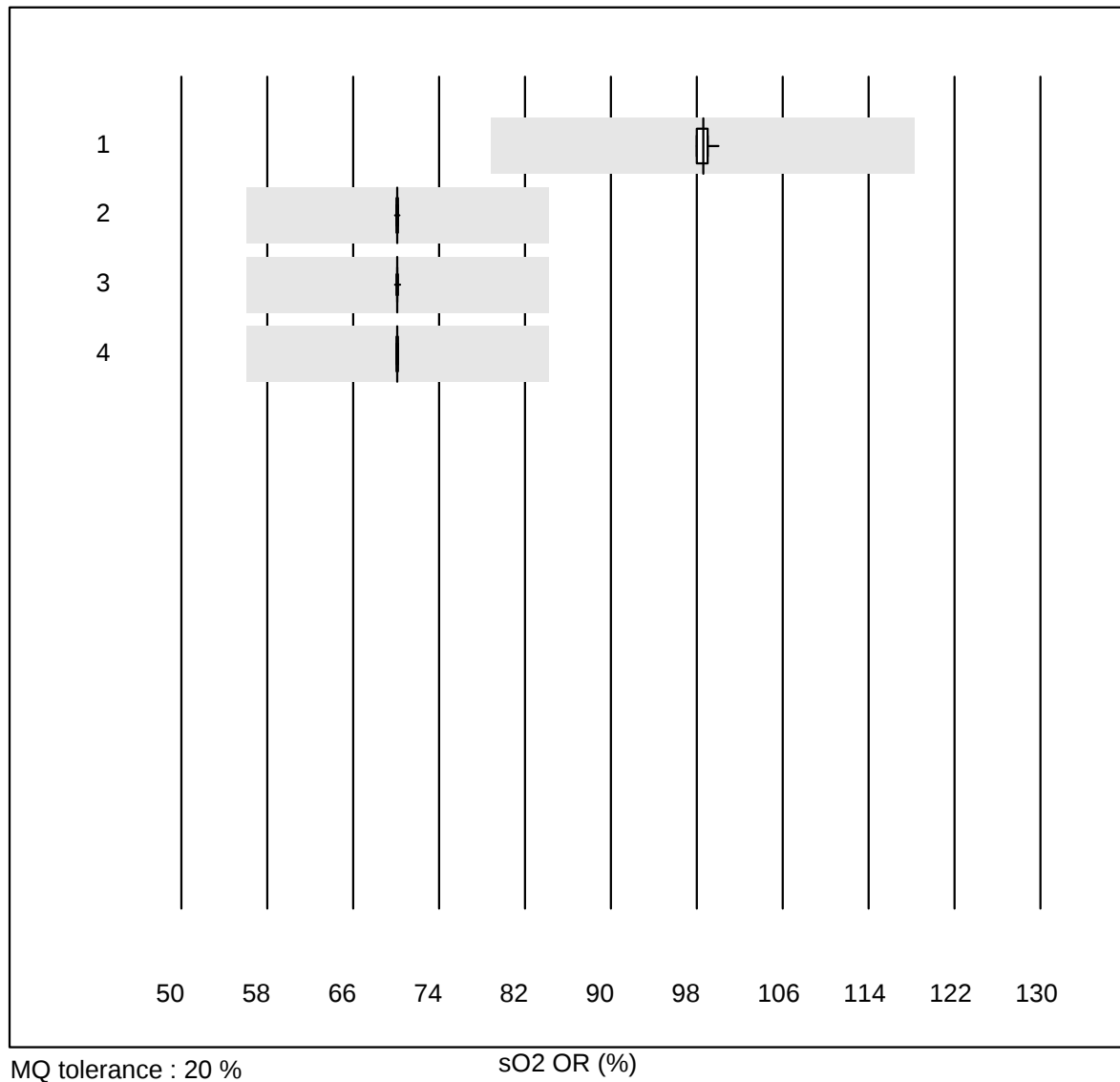
## Lactate-BG



| No. | Methode           | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|-------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | GEM               | 6     | 100.0 | 0.0       | 0.0       | 11.80  | 1.3 | e    |
| 2   | Cobas b123        | 13    | 100.0 | 0.0       | 0.0       | 10.65  | 6.7 | e    |
| 3   | IL                | 4     | 100.0 | 0.0       | 0.0       | 11.30  | 4.9 | e*   |
| 4   | EPOC              | 43    | 95.3  | 0.0       | 4.7       | 9.84   | 5.4 | e    |
| 5   | iStat             | 19    | 100.0 | 0.0       | 0.0       | 10.71  | 1.8 | e    |
| 6   | ABL700/800        | 102   | 100.0 | 0.0       | 0.0       | 10.31  | 4.6 | e    |
| 7   | ABL90 FLEX / PLUS | 126   | 100.0 | 0.0       | 0.0       | 10.50  | 1.8 | e    |

4 additional results were submitted but not published because the method groups were too small. (< results per group)

## sO2 OR

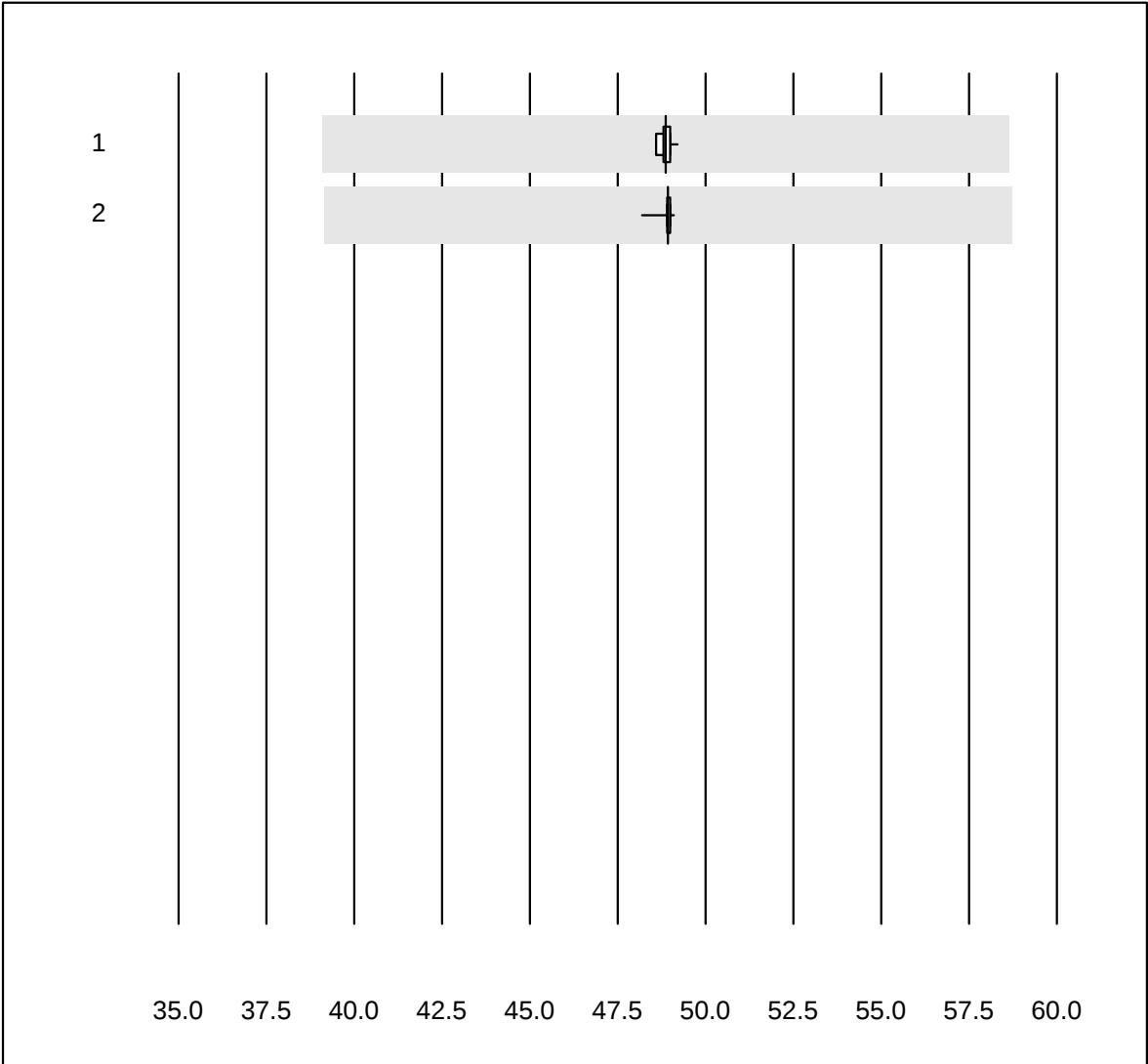


MQ tolerance : 20 %

sO2 OR (%)

| No. | Methode              | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|----------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | iStat                | 26    | 100.0 | 0.0       | 0.0       | 98.577 | 0.6 | e    |
| 2   | ABL700/800           | 89    | 100.0 | 0.0       | 0.0       | 70.103 | 0.1 | e    |
| 3   | ABL90 FLEX / PLUS    | 109   | 100.0 | 0.0       | 0.0       | 70.100 | 0.1 | e    |
| 4   | ABL80 FLEX CO-OX / O | 4     | 75.0  | 0.0       | 25.0      | 70.100 | 0.2 | e    |

FO2Hb OR



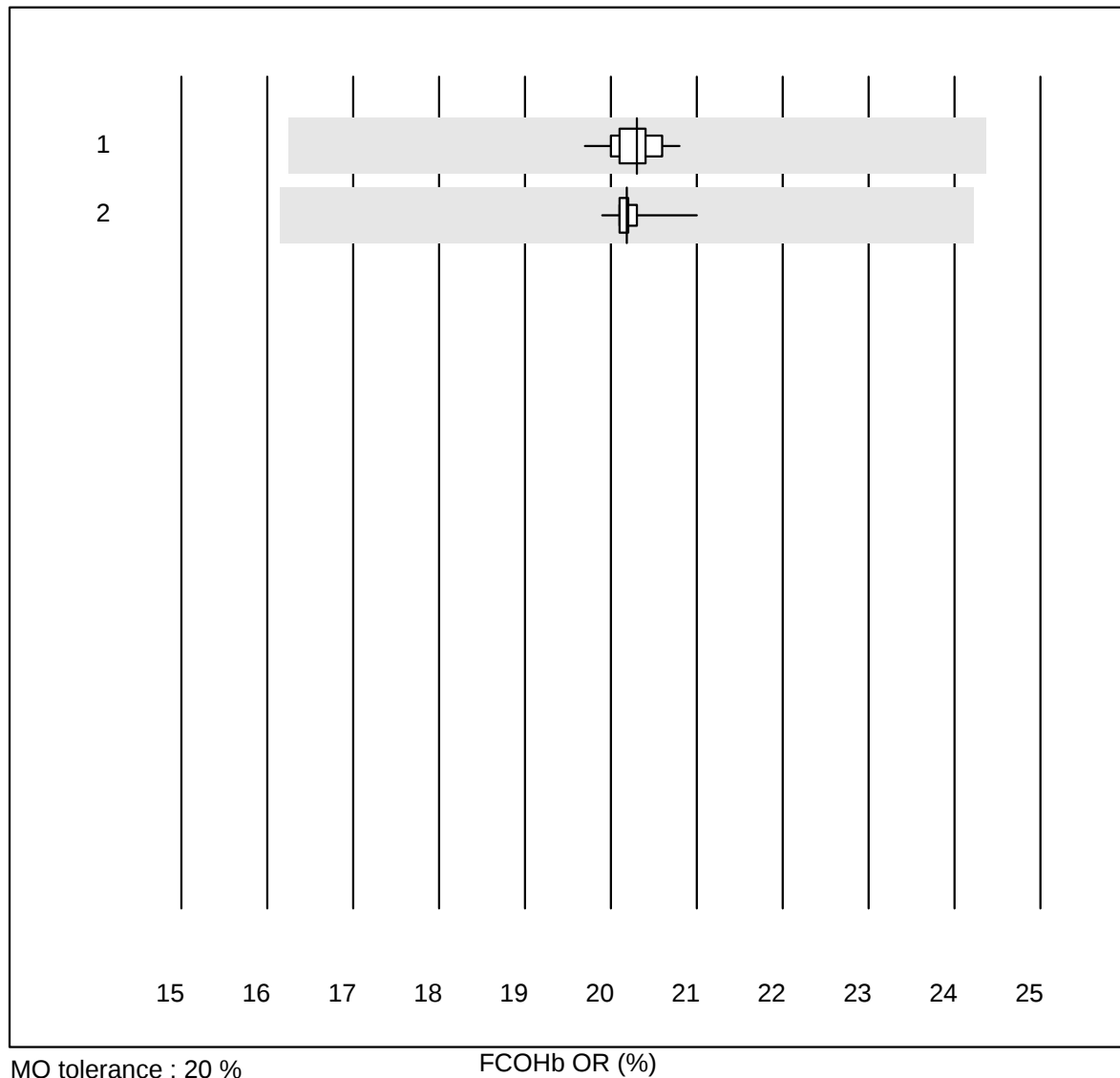
MQ tolerance : 20 %

FO2Hb OR (%)

| No.Methode |                   | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|-------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | ABL700/800        | 87    | 100.0 | 0.0       | 0.0       | 48.855 | 0.3 | e    |
| 2          | ABL90 FLEX / PLUS | 110   | 100.0 | 0.0       | 0.0       | 48.936 | 0.2 | e    |

3 additional results were submitted but not published because the method groups were too small. (< results per group)

## FCOHb OR



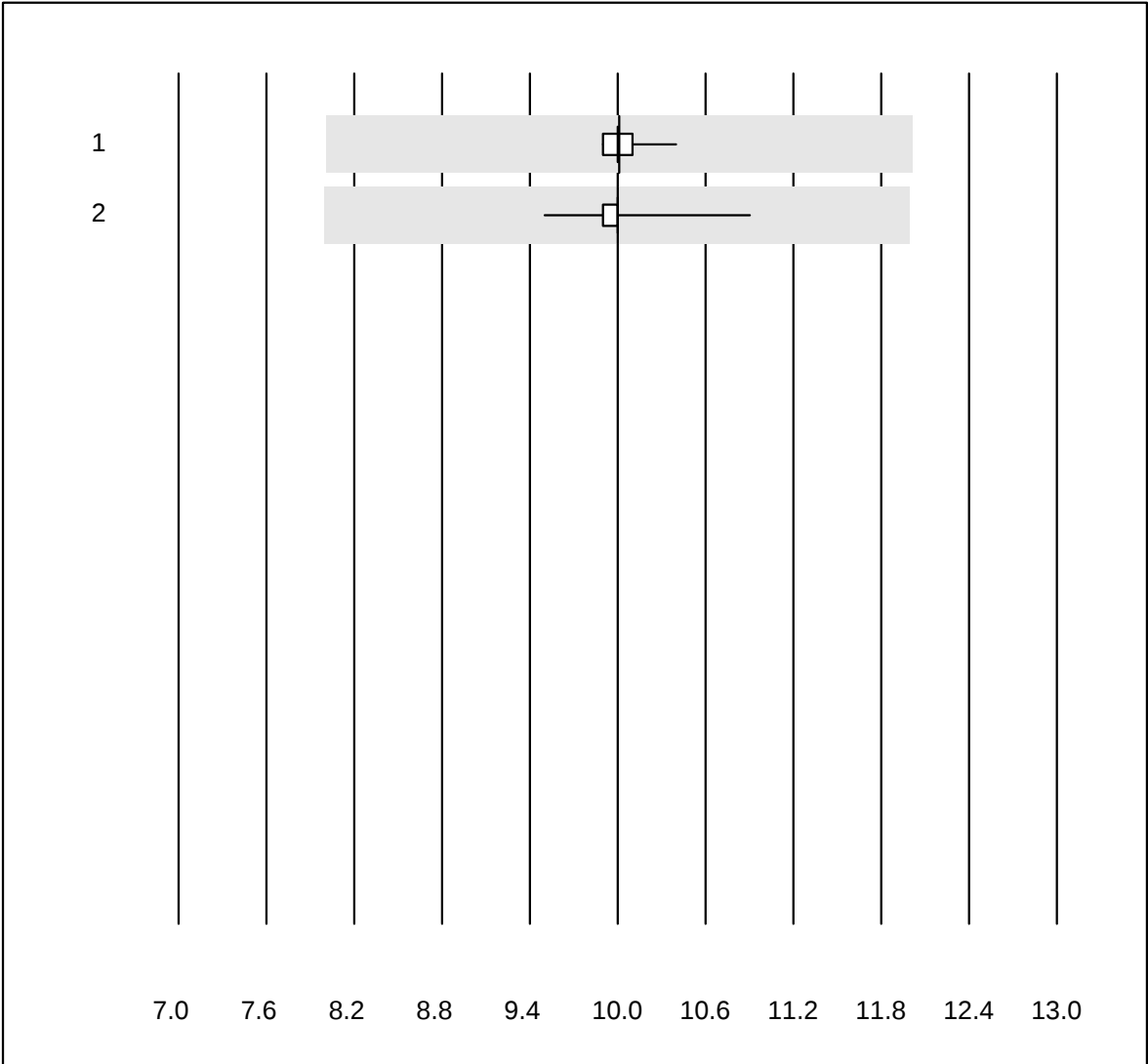
MQ tolerance : 20 %

FCOHb OR (%)

| No. | Methode           | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|-------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | ABL700/800        | 88    | 100.0 | 0.0       | 0.0       | 20.301 | 1.1 | e    |
| 2   | ABL90 FLEX / PLUS | 110   | 100.0 | 0.0       | 0.0       | 20.183 | 0.7 | e    |

3 additional results were submitted but not published because the method groups were too small. (< results per group)

FMetHb OR



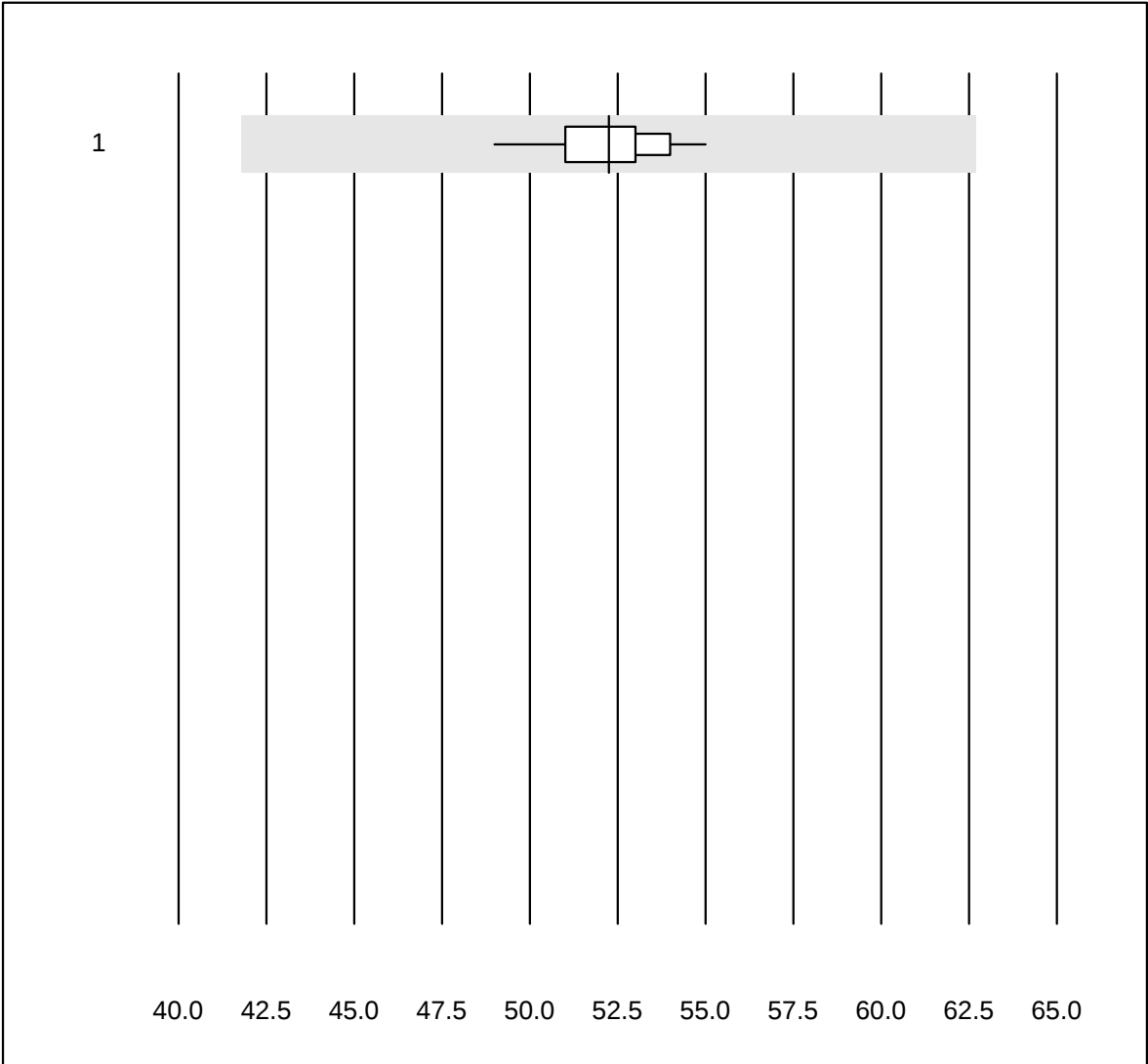
MQ tolerance : 20 %

FMetHb OR (%)

| No.Methode |                   | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|-------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | ABL700/800        | 88    | 98.9  | 0.0       | 1.1       | 10.009 | 0.9 | e    |
| 2          | ABL90 FLEX / PLUS | 110   | 100.0 | 0.0       | 0.0       | 9.999  | 1.3 | e    |

3 additional results were submitted but not published because the method groups were too small. (< results per group)

FHbF OR



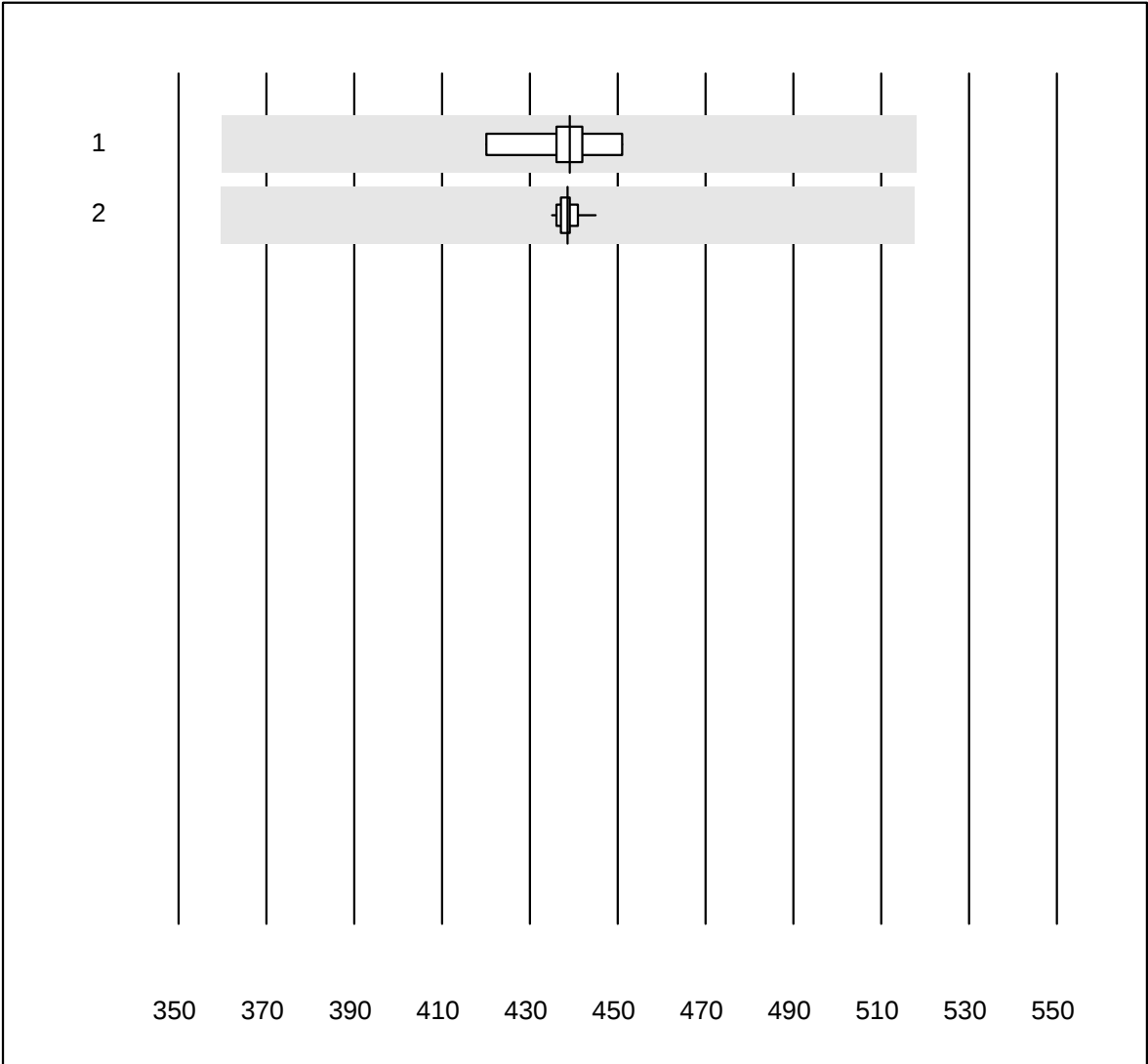
MQ tolerance : 20 %

FHbF OR (%)

| No. | Methode           | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|-------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | ABL90 FLEX / PLUS | 37    | 100.0 | 0.0       | 0.0       | 52.243 | 2.6 | e    |

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Bilirubin OR

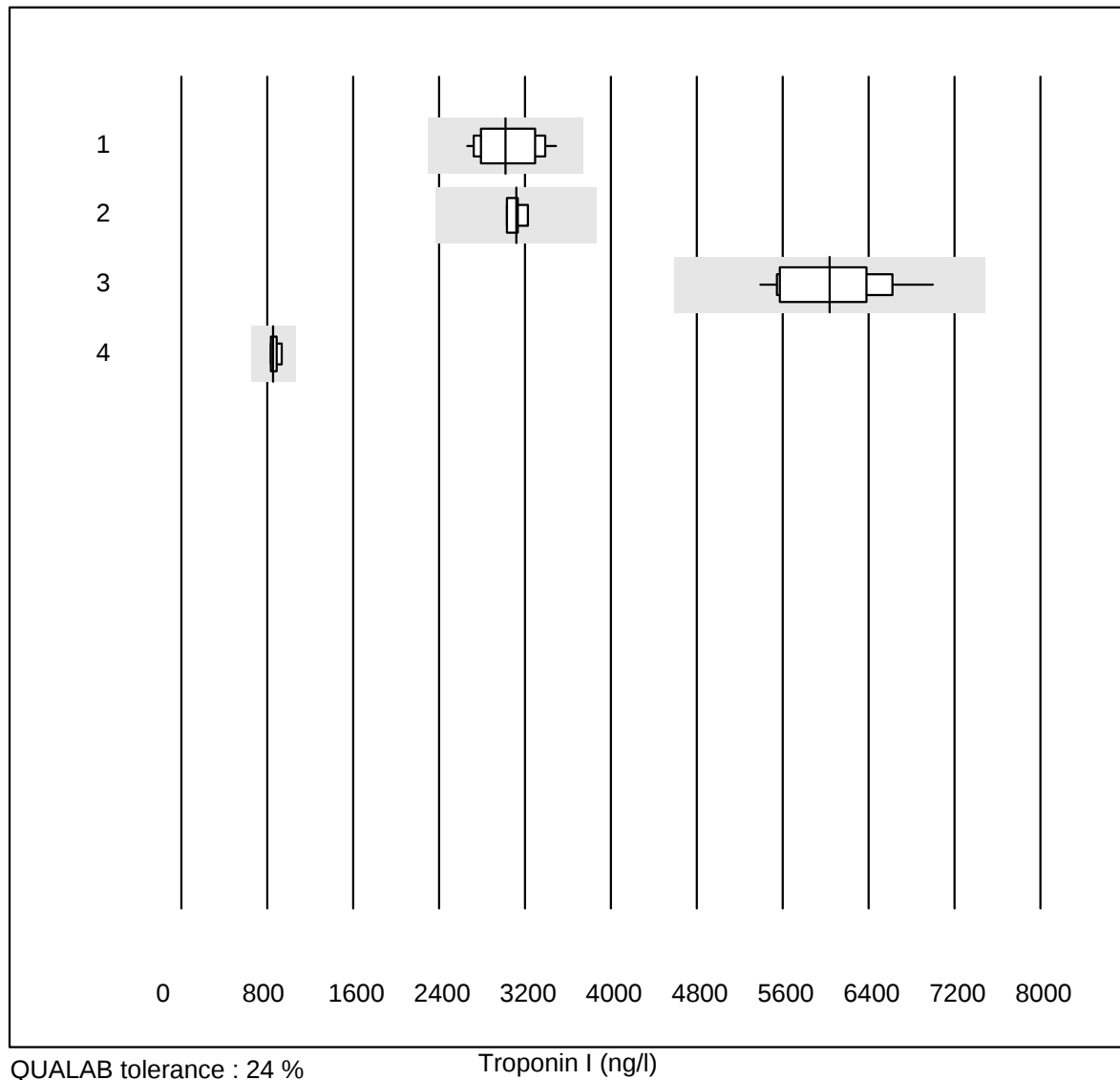


QUALAB tolerance : 18 %

Bilirubin OR (μmol/l)

| No. | Methode           | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|-------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | ABL700/800        | 5     | 100.0 | 0.0       | 0.0       | 439.0  | 2.6 | e    |
| 2   | ABL90 FLEX / PLUS | 34    | 100.0 | 0.0       | 0.0       | 438.6  | 0.5 | e    |

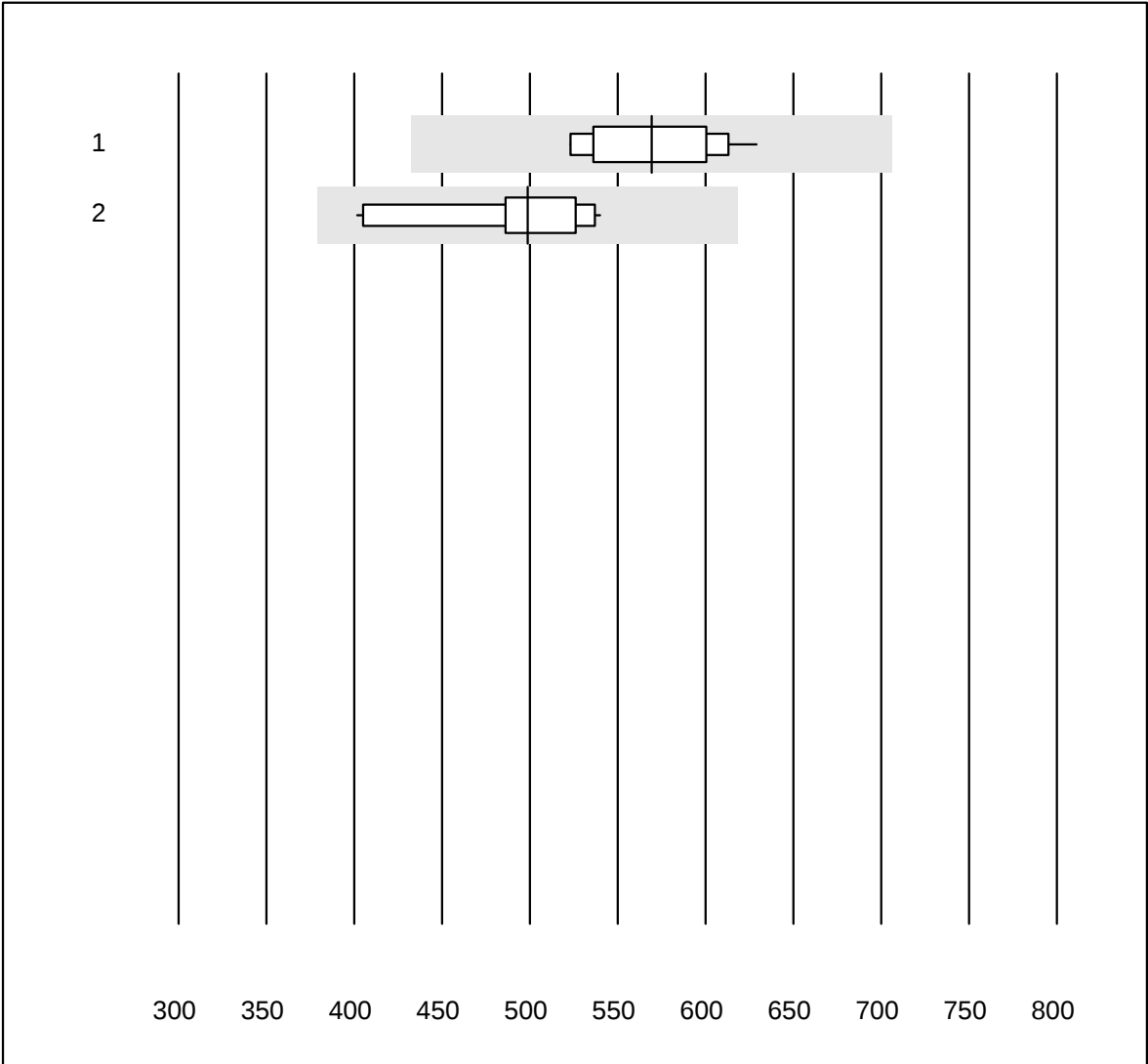
## Troponin I



| No. | Methode  | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|----------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Pathfast | 24    | 91.7  | 0.0       | 8.3       | 3021.8 | 9.3 | e    |
| 2   | Siemens  | 4     | 100.0 | 0.0       | 0.0       | 3117.8 | 2.6 | e    |
| 3   | Vidas    | 12    | 100.0 | 0.0       | 0.0       | 6036.8 | 8.2 | e    |
| 4   | Abbott   | 8     | 100.0 | 0.0       | 0.0       | 855.7  | 5.0 | e    |

6 additional results were submitted but not published because the method groups were too small. (< results per group)

Troponin T

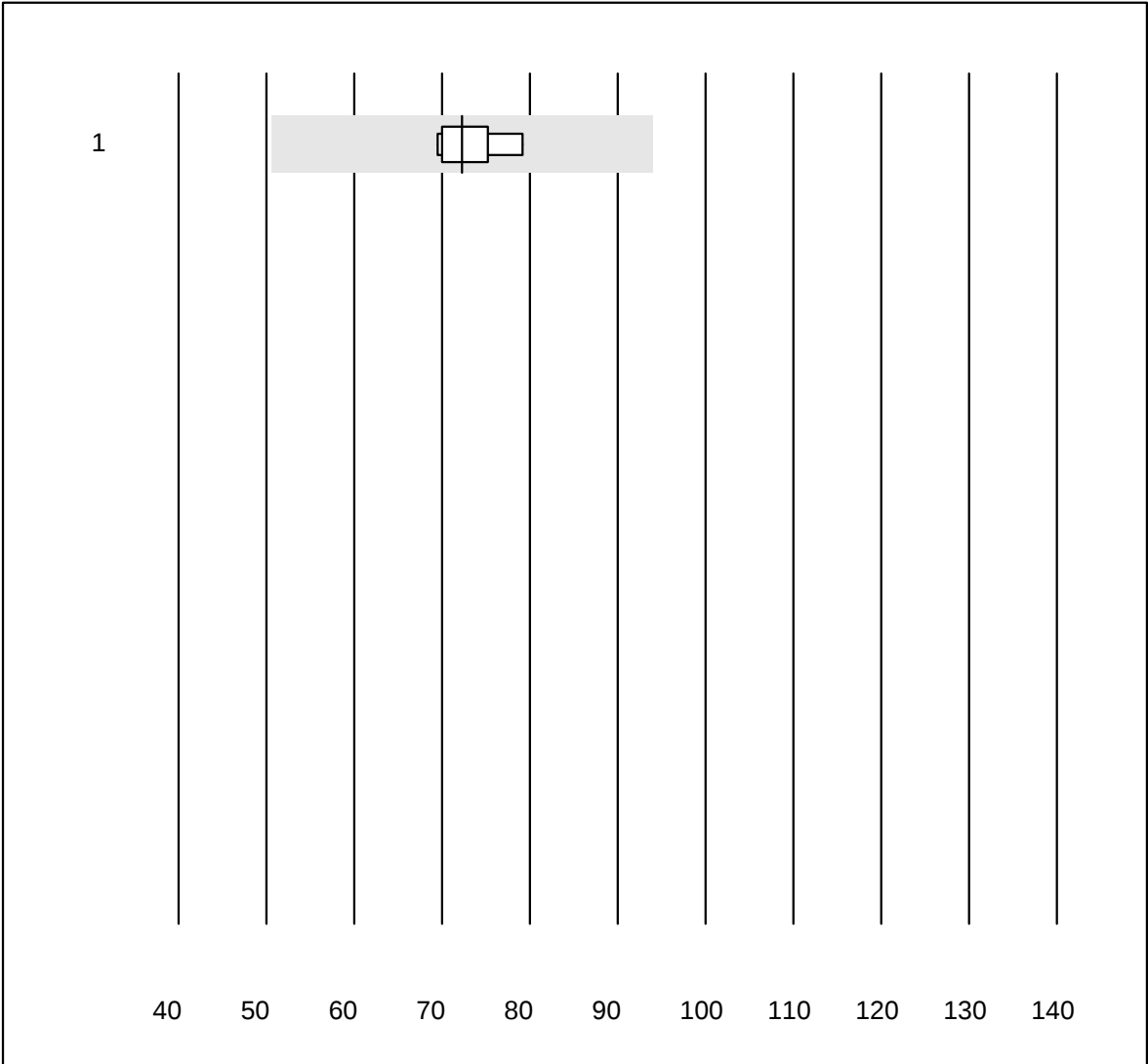


QUALAB tolerance : 24 %

Troponin T (ng/l)

| No.Methode |               | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|---------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Cobas hs      | 10    | 100.0 | 0.0       | 0.0       | 569.46 | 6.9 | e    |
| 2          | Cobas hs STAT | 20    | 100.0 | 0.0       | 0.0       | 498.82 | 7.7 | e    |

Myoglobin

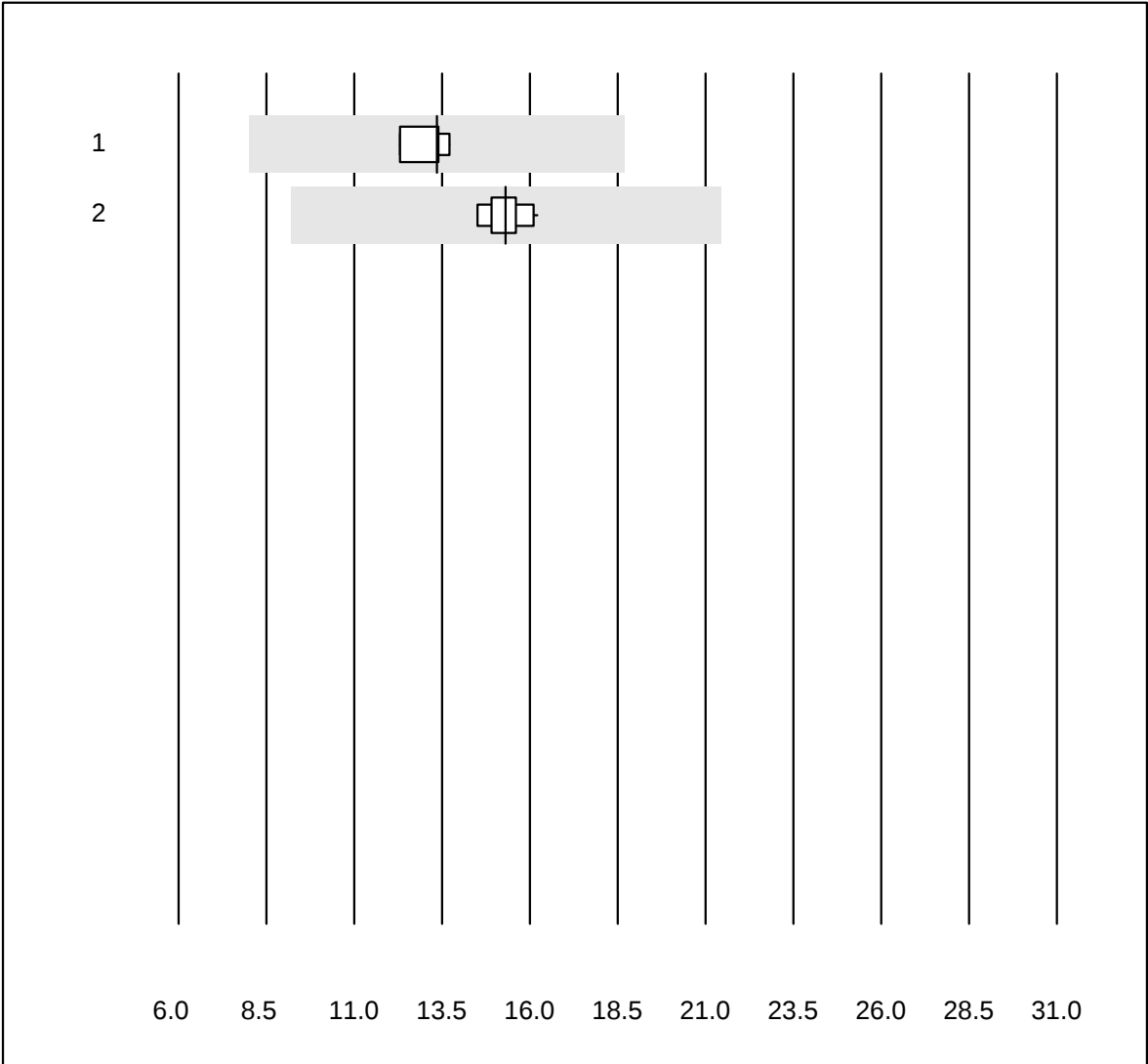


QUALAB tolerance : 30 % Myoglobin (µg/l)

| No. | Methode           | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|-------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Cobas E / Elecsys | 8     | 100.0 | 0.0       | 0.0       | 72.3   | 4.8 | e    |

7 additional results were submitted but not published because the method groups were too small. (< results per group)

CK-MB mass



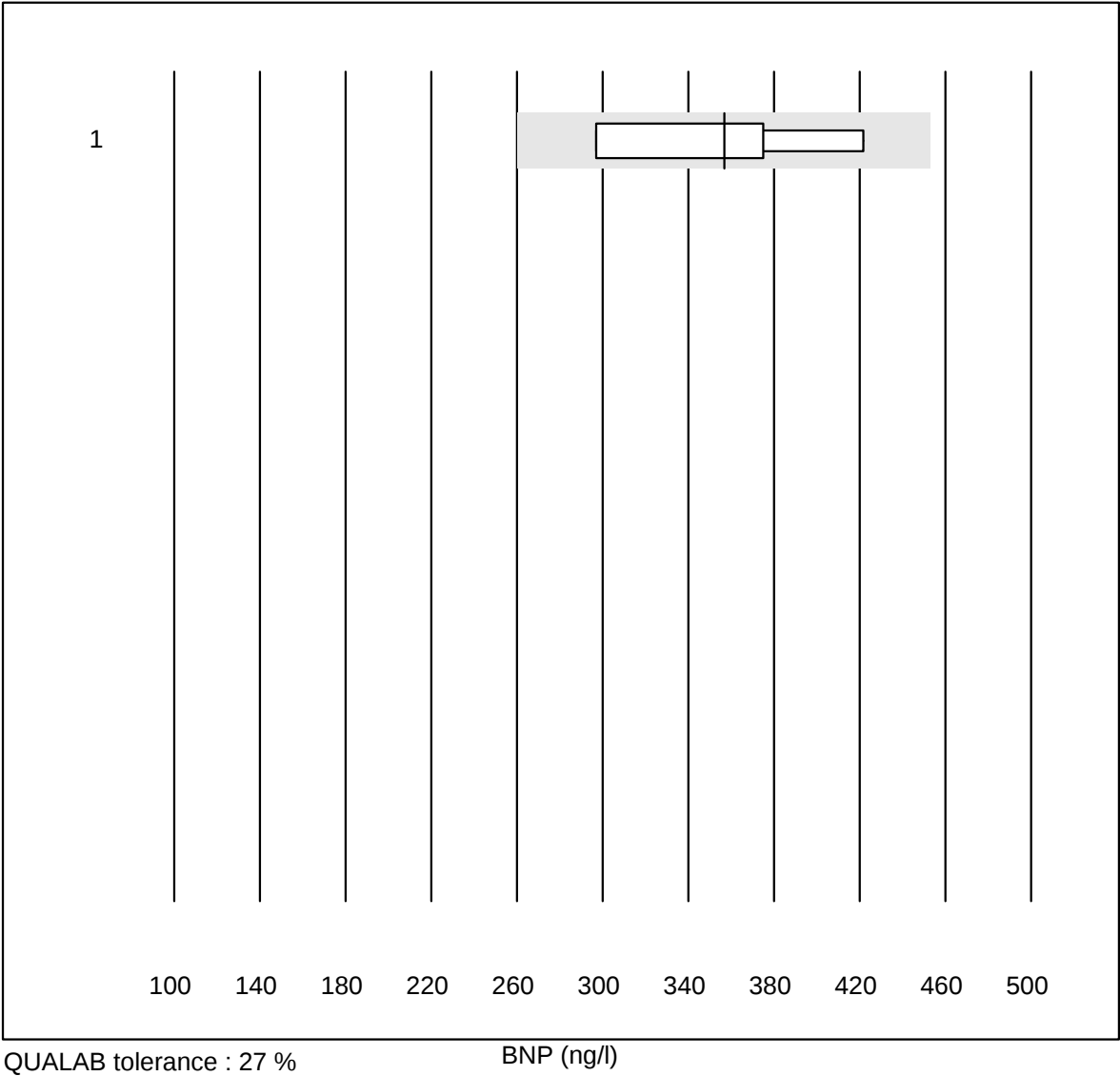
MQ tolerance : 40 %

CK-MB mass (µg/l)

| No. | Methode           | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|-------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Abbott            | 4     | 100.0 | 0.0       | 0.0       | 13.4   | 4.6 | e    |
| 2   | Cobas E / Elecsys | 10    | 100.0 | 0.0       | 0.0       | 15.3   | 3.8 | e    |

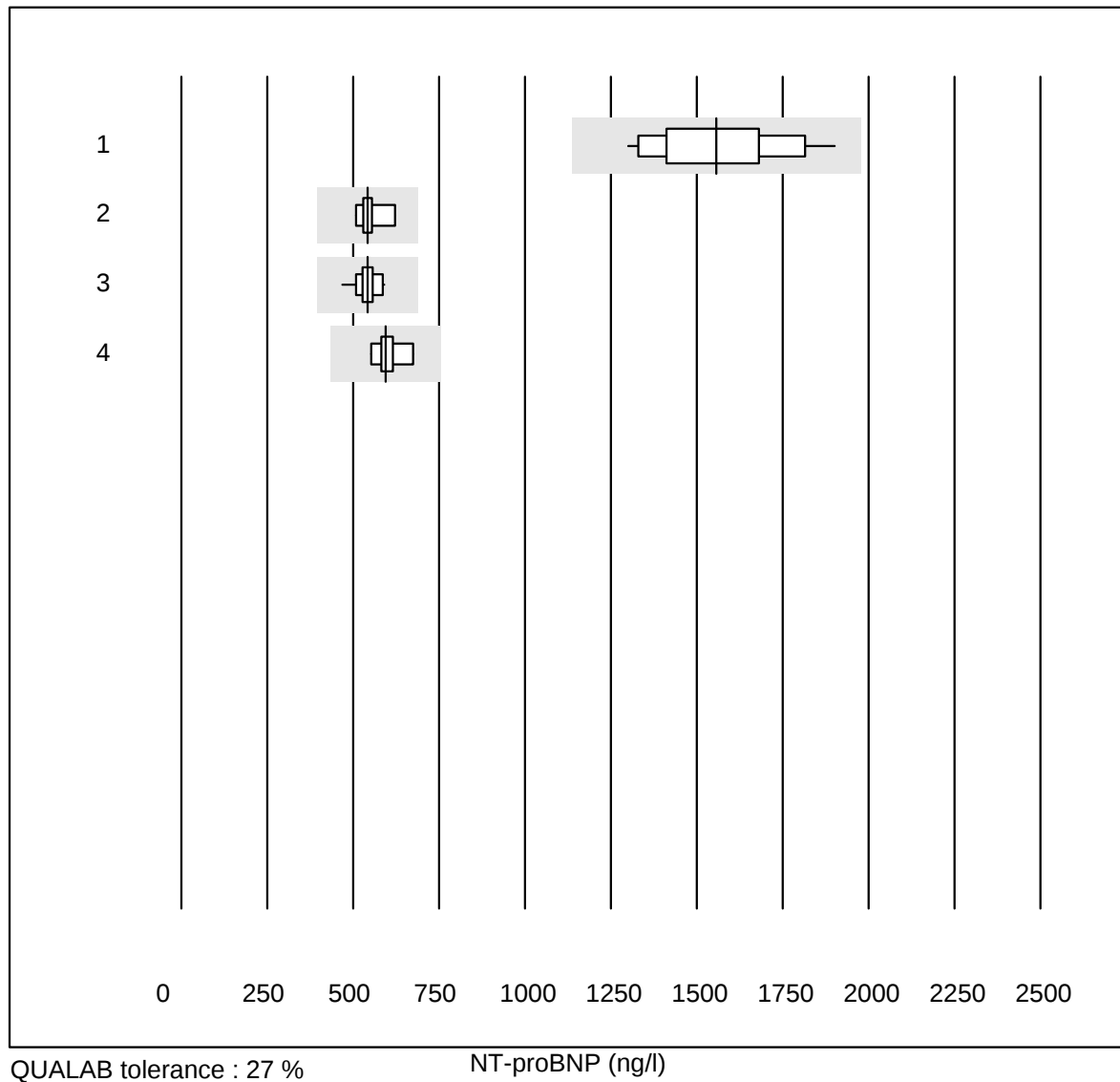
5 additional results were submitted but not published because the method groups were too small. (< results per group)

BNP



| No.                                                                                                                   | Methode       | Total | % OK | % insuff. | % outlier | Target | CV%  | Type |
|-----------------------------------------------------------------------------------------------------------------------|---------------|-------|------|-----------|-----------|--------|------|------|
| 1                                                                                                                     | Other methods | 5     | 80.0 | 0.0       | 20.0      | 356.7  | 14.2 | a    |
| 2 additional results were submitted but not published because the method groups were too small. (< results per group) |               |       |      |           |           |        |      |      |

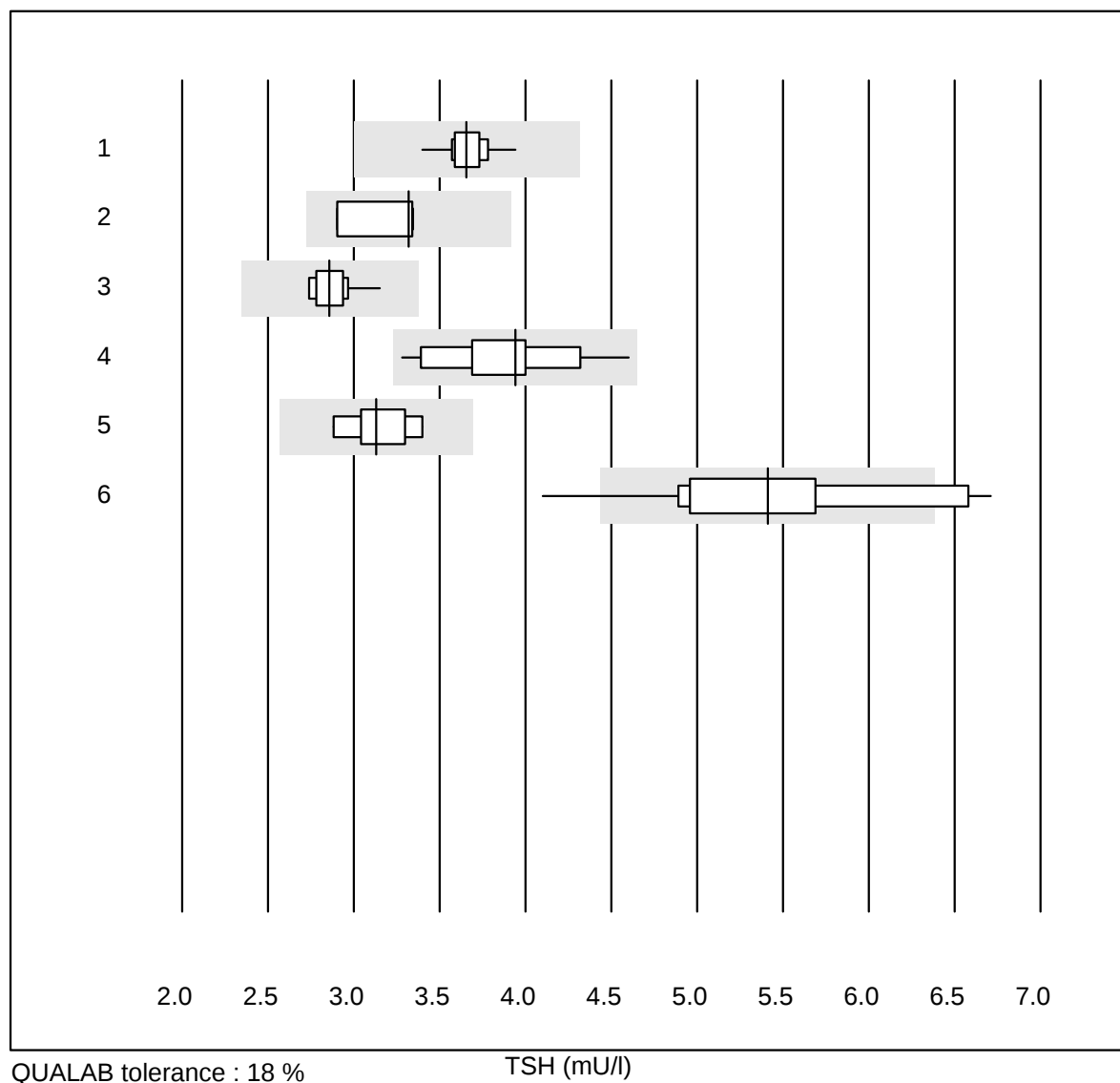
## NT-proBNP



| No. | Methode           | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----|-------------------|-------|-------|-----------|-----------|--------|------|------|
| 1   | Pathfast          | 17    | 100.0 | 0.0       | 0.0       | 1557.1 | 11.4 | e    |
| 2   | VIDAS             | 9     | 100.0 | 0.0       | 0.0       | 543.0  | 7.4  | e    |
| 3   | Cobas E / Elecsys | 25    | 100.0 | 0.0       | 0.0       | 541.6  | 5.5  | e    |
| 4   | Abbott            | 8     | 100.0 | 0.0       | 0.0       | 594.9  | 6.3  | e    |

10 additional results were submitted but not published because the method groups were too small. (< results per group)

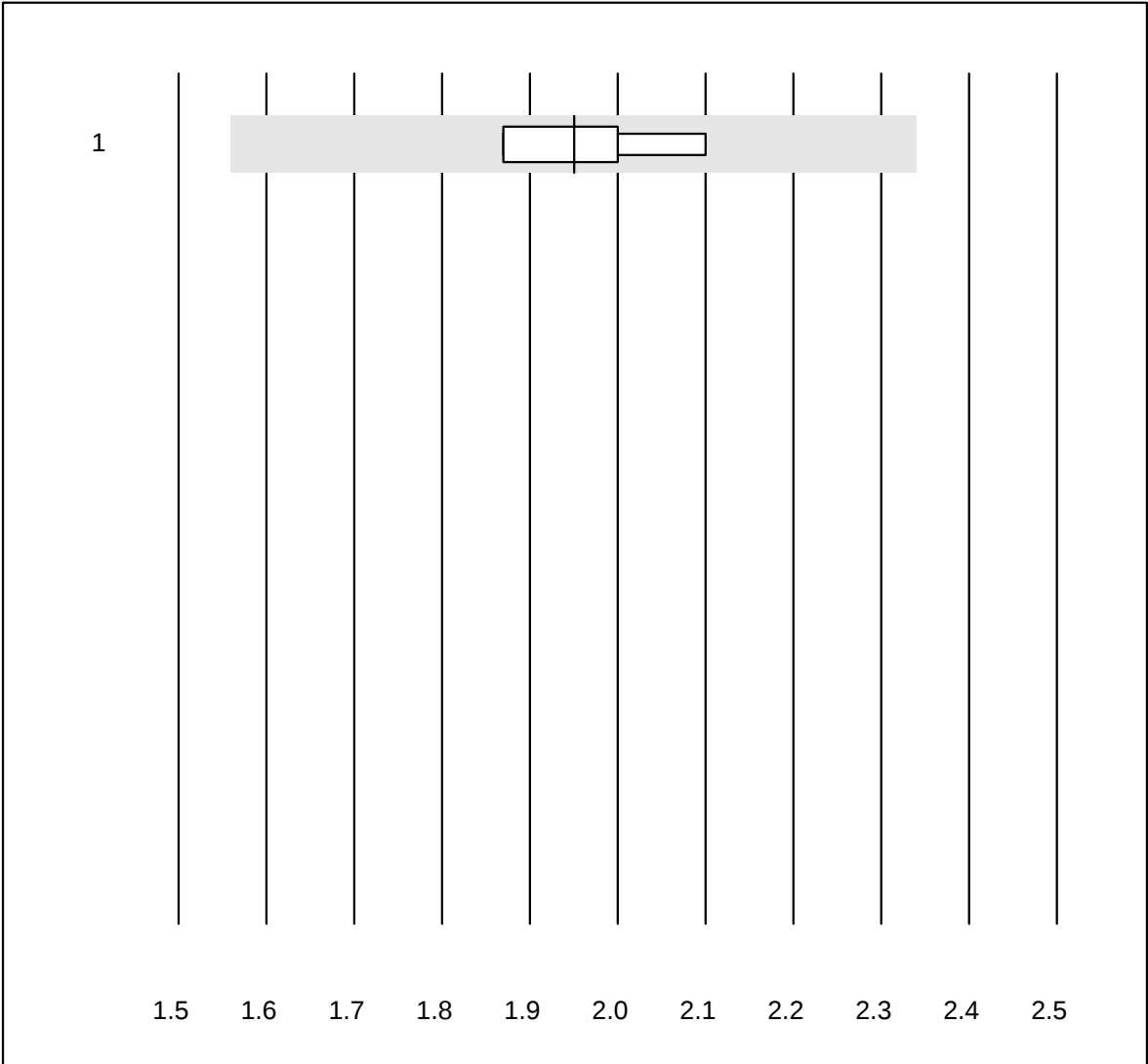
# TSH



| No. | Methode             | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----|---------------------|-------|-------|-----------|-----------|--------|------|------|
| 1   | Roche, Cobas        | 32    | 100.0 | 0.0       | 0.0       | 3.66   | 3.3  | e    |
| 2   | ADVIA Centaur XP/CP | 4     | 100.0 | 0.0       | 0.0       | 3.32   | 6.6  | e*   |
| 3   | Abbott              | 11    | 100.0 | 0.0       | 0.0       | 2.86   | 4.2  | e    |
| 4   | VIDAS               | 16    | 100.0 | 0.0       | 0.0       | 3.94   | 8.6  | a    |
| 5   | Dimension           | 6     | 100.0 | 0.0       | 0.0       | 3.13   | 6.0  | e*   |
| 6   | AFIAS               | 18    | 83.3  | 16.7      | 0.0       | 5.41   | 11.3 | e*   |

3 additional results were submitted but not published because the method groups were too small. (< results per group)

T3

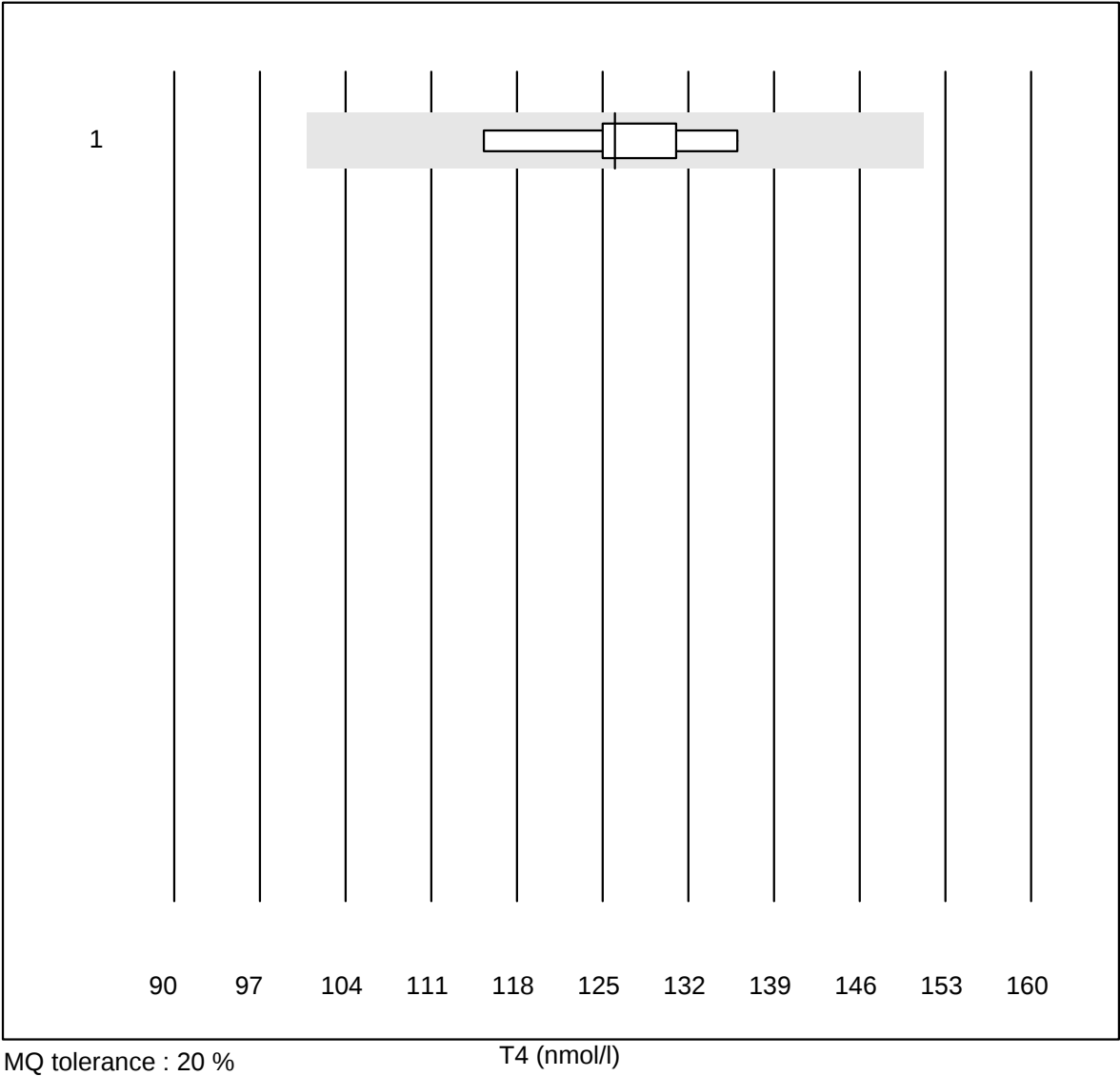


MQ tolerance : 20 %

T3 (nmol/l)

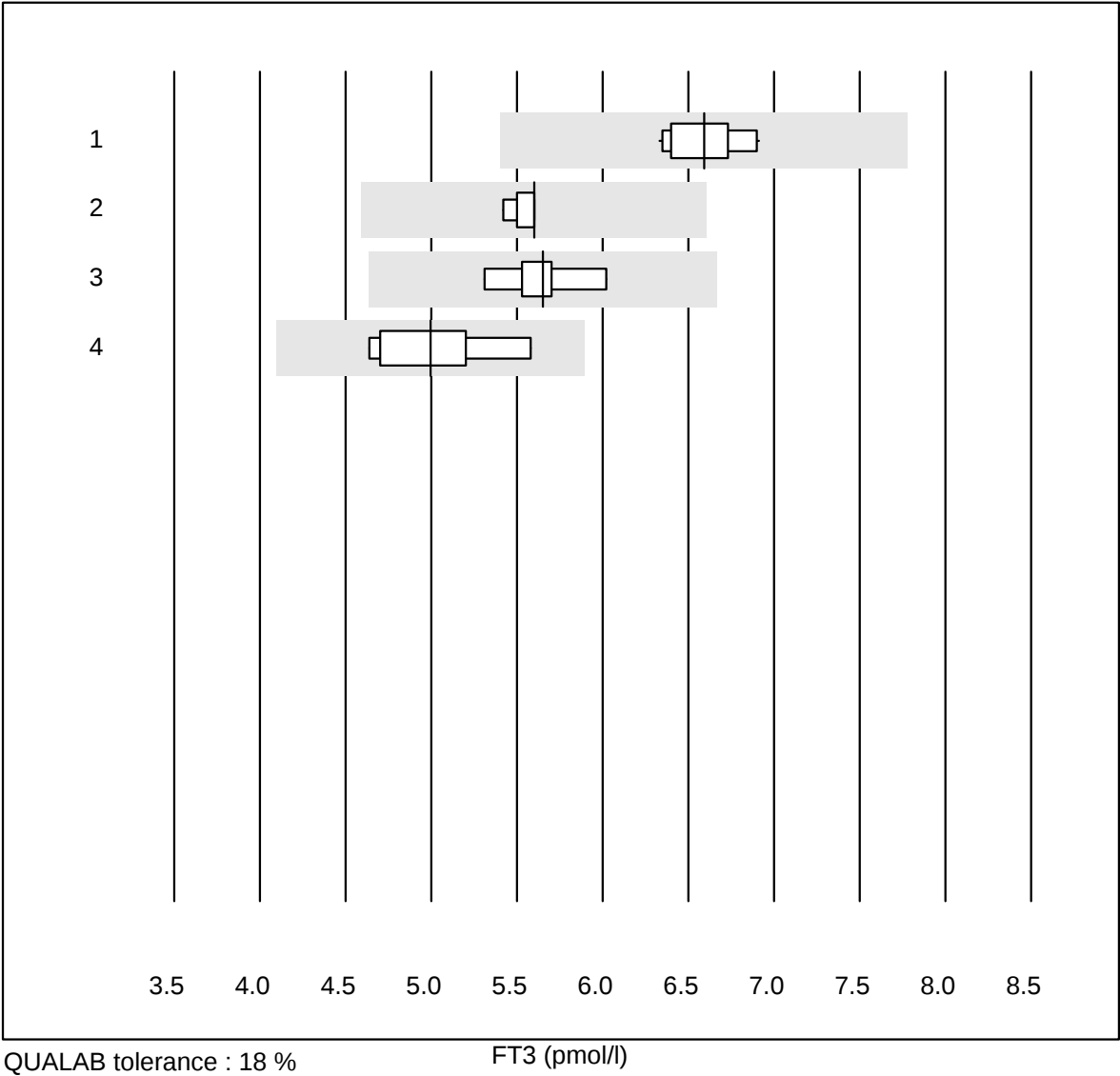
| No.                                                                                                                   | Methode | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----------------------------------------------------------------------------------------------------------------------|---------|-------|-------|-----------|-----------|--------|-----|------|
| 1                                                                                                                     | Abbott  | 4     | 100.0 | 0.0       | 0.0       | 2.0    | 5.3 | e*   |
| 3 additional results were submitted but not published because the method groups were too small. (< results per group) |         |       |       |           |           |        |     |      |

T4



| No.                                                                                                                   | Methode | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----------------------------------------------------------------------------------------------------------------------|---------|-------|-------|-----------|-----------|--------|-----|------|
| 1                                                                                                                     | Abbott  | 5     | 100.0 | 0.0       | 0.0       | 126    | 6.1 | e*   |
| 2 additional results were submitted but not published because the method groups were too small. (< results per group) |         |       |       |           |           |        |     |      |

FT3

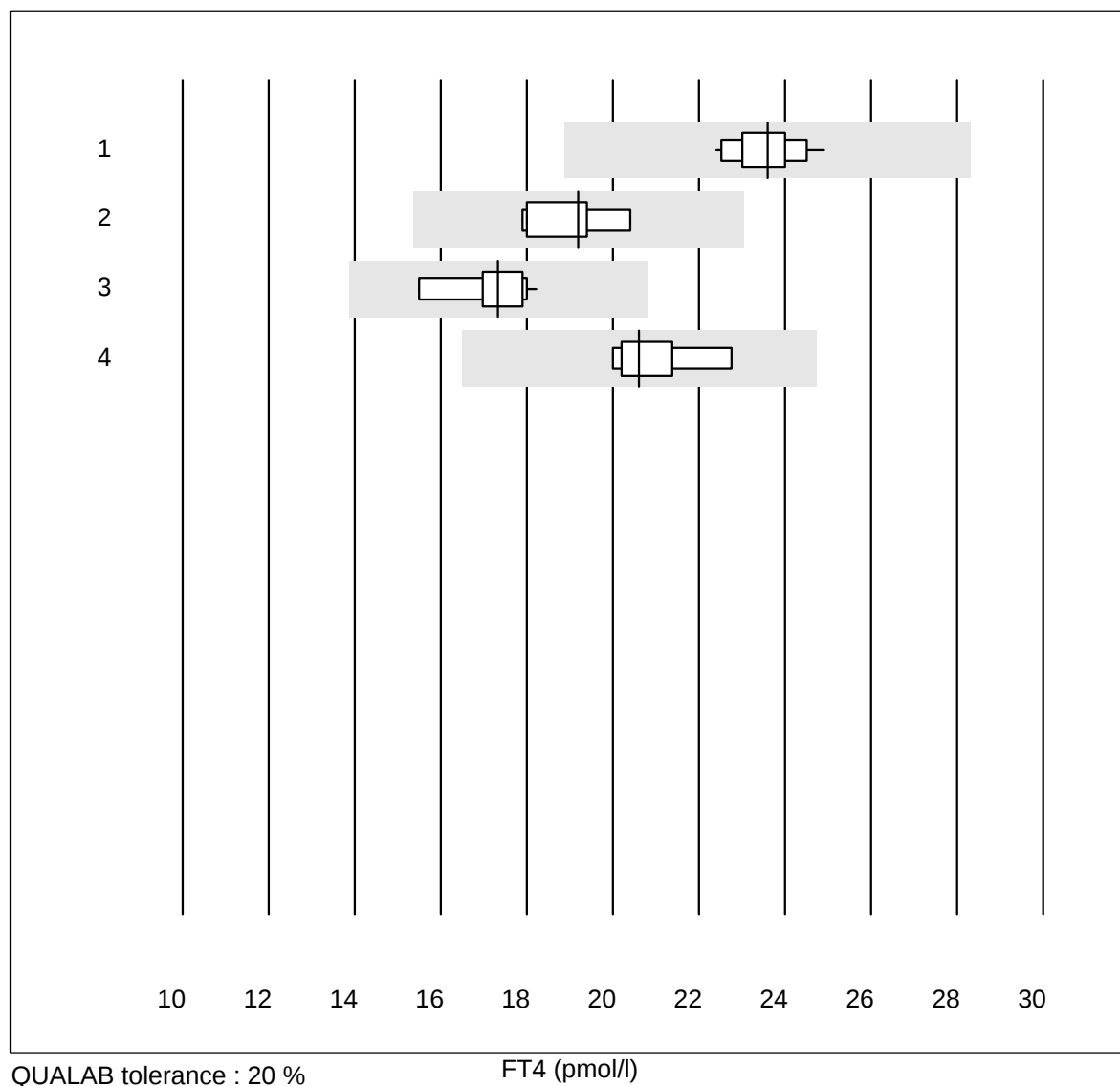


QUALAB tolerance : 18 %

FT3 (pmol/l)

| No. Methode |                     | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-------------|---------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1           | Roche, Cobas        | 28    | 100.0 | 0.0       | 0.0       | 6.6    | 2.8 | e    |
| 2           | ADVIA Centaur XP/CP | 5     | 100.0 | 0.0       | 0.0       | 5.6    | 1.5 | e    |
| 3           | Abbott              | 9     | 100.0 | 0.0       | 0.0       | 5.7    | 3.8 | e    |
| 4           | VIDAS               | 8     | 100.0 | 0.0       | 0.0       | 5.0    | 7.3 | e*   |

3 additional results were submitted but not published because the method groups were too small. (< results per group)

**FT4**

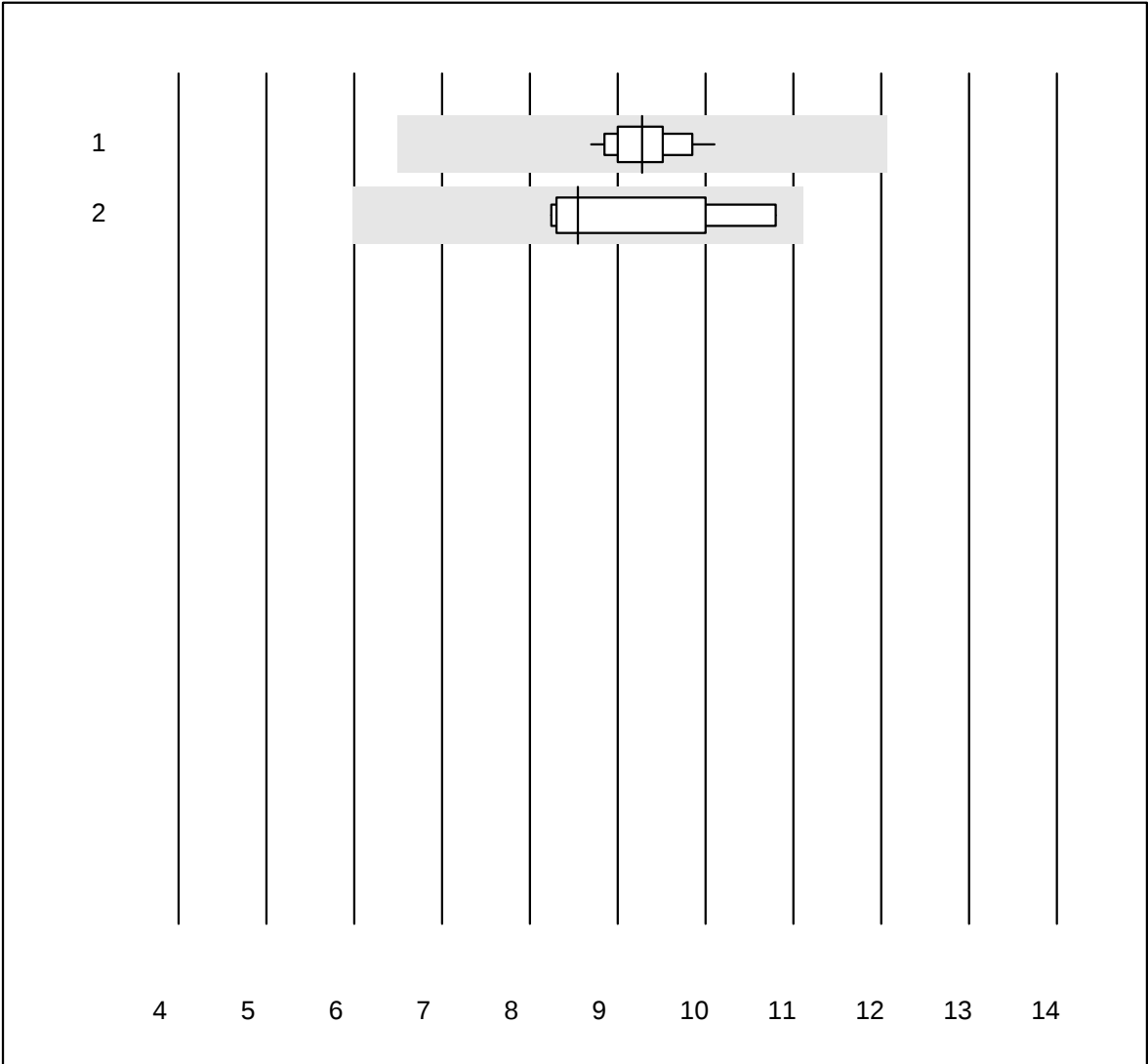
QUALAB tolerance : 20 %

FT4 (pmol/l)

| No. | Methode          | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Roche, Cobas     | 28    | 100.0 | 0.0       | 0.0       | 23.6   | 2.9 | e    |
| 2   | ADVIA Centaur XP | 8     | 100.0 | 0.0       | 0.0       | 19.2   | 5.0 | e    |
| 3   | Abbott           | 10    | 100.0 | 0.0       | 0.0       | 17.3   | 4.9 | e    |
| 4   | VIDAS            | 9     | 100.0 | 0.0       | 0.0       | 20.6   | 4.3 | e    |

4 additional results were submitted but not published because the method groups were too small. (< results per group)

Testosterone



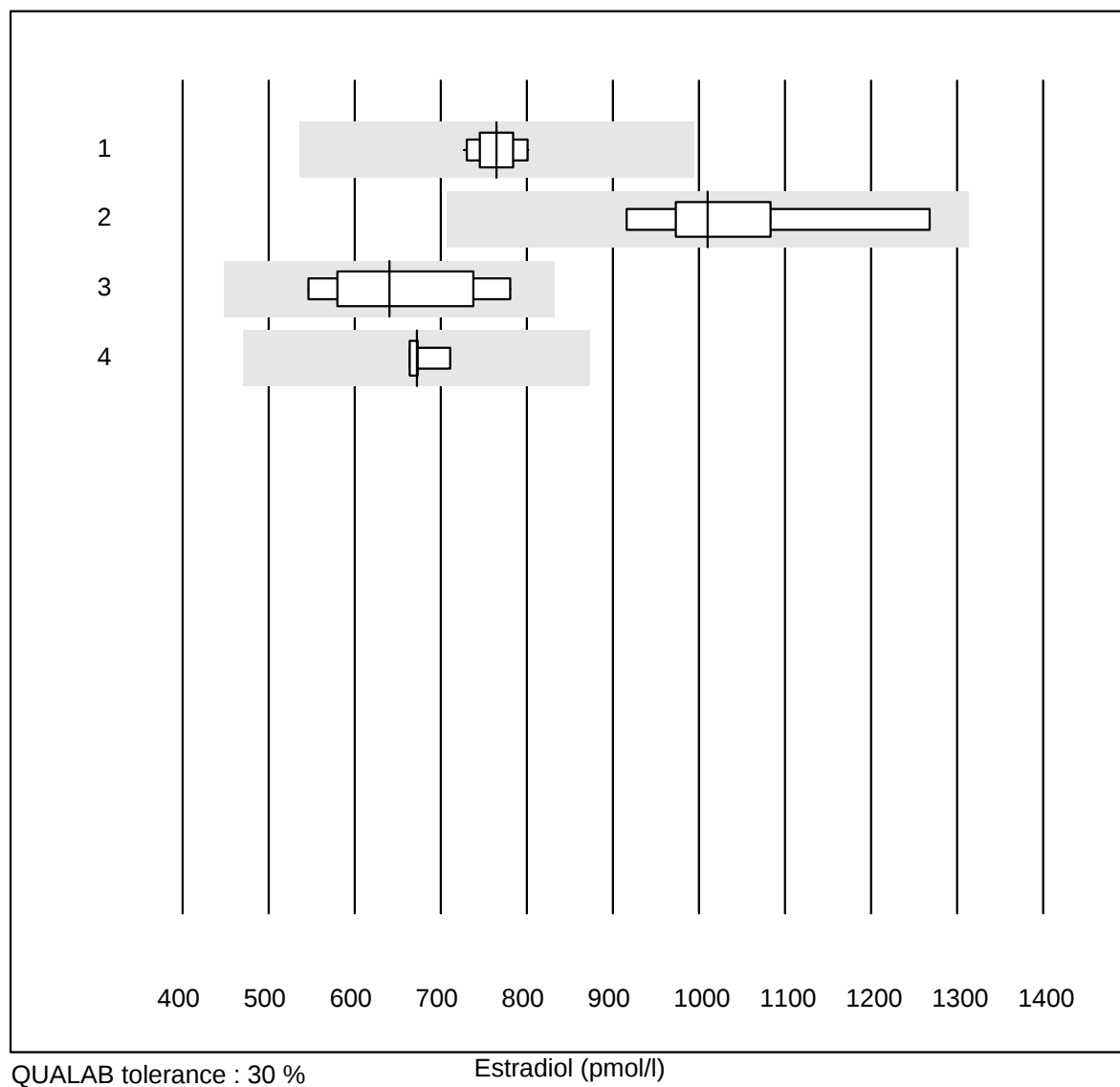
QUALAB tolerance : 30 %

Testosterone (nmol/l)

| No.Methode |              | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------|--------------|-------|-------|-----------|-----------|--------|------|------|
| 1          | Roche, Cobas | 15    | 100.0 | 0.0       | 0.0       | 9.3    | 4.1  | e    |
| 2          | Siemens      | 7     | 100.0 | 0.0       | 0.0       | 8.6    | 11.1 | e*   |

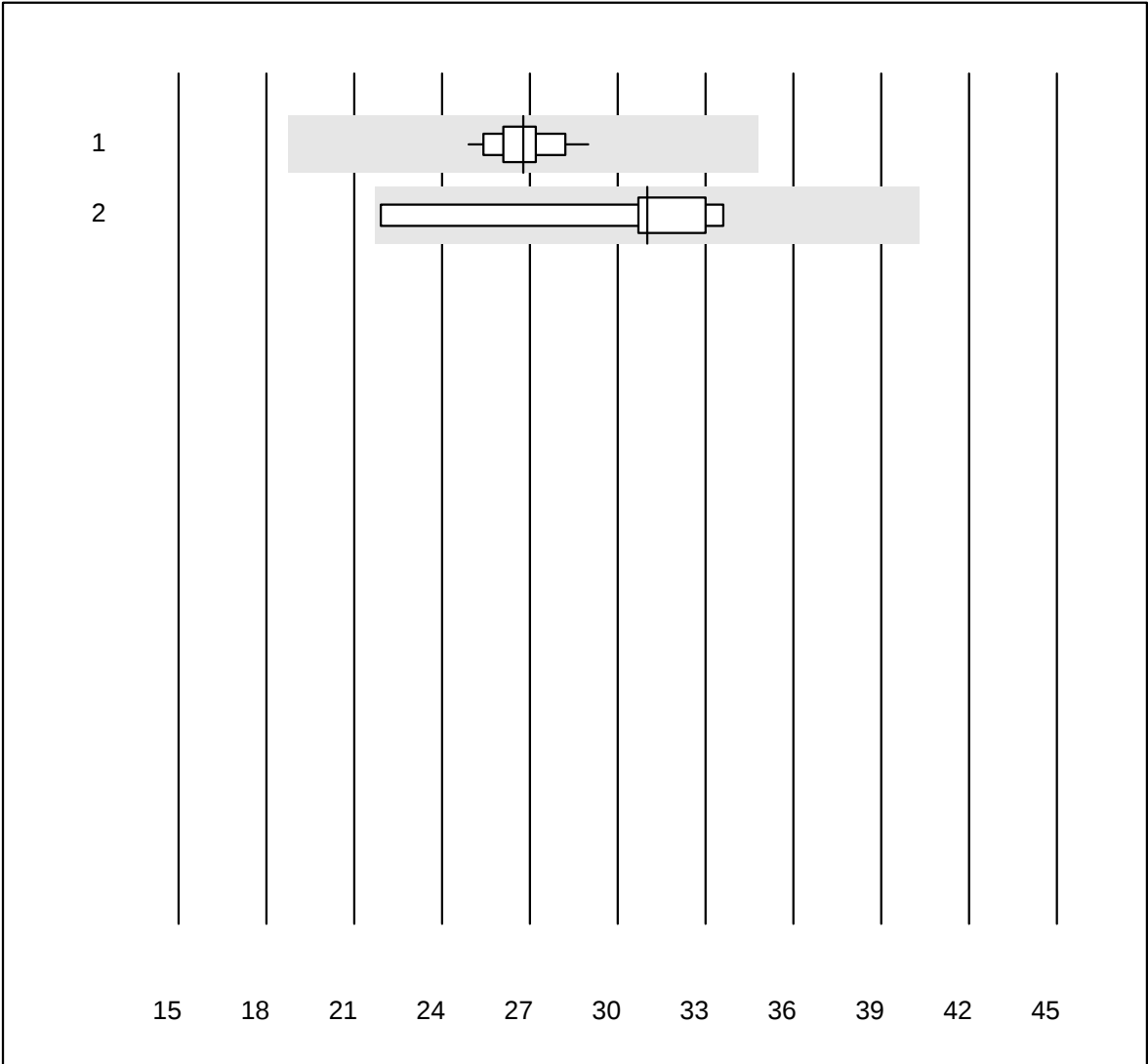
3 additional results were submitted but not published because the method groups were too small. (< results per group)

## Estradiol



| No. | Methode       | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----|---------------|-------|-------|-----------|-----------|--------|------|------|
| 1   | Roche, Cobas  | 14    | 100.0 | 0.0       | 0.0       | 765    | 3.3  | e    |
| 2   | Siemens       | 6     | 100.0 | 0.0       | 0.0       | 1011   | 11.8 | e*   |
| 3   | Other methods | 5     | 100.0 | 0.0       | 0.0       | 640    | 15.3 | e*   |
| 4   | Abbott        | 4     | 100.0 | 0.0       | 0.0       | 672    | 3.1  | e    |

SHBG



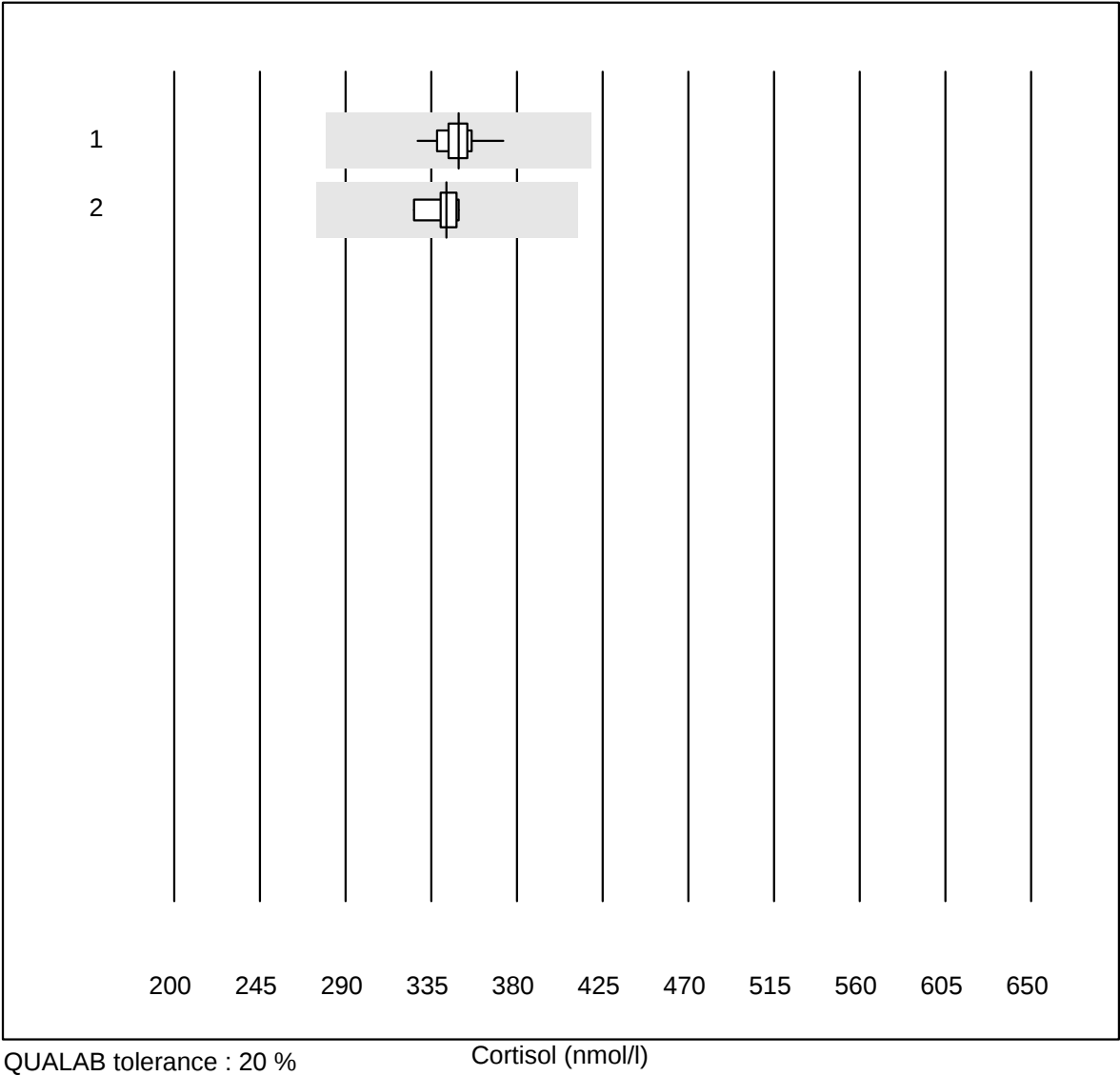
MQ tolerance : 30 %

SHBG (nmol/l)

| No.Methode |              | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------|--------------|-------|-------|-----------|-----------|--------|------|------|
| 1          | Roche, Cobas | 17    | 100.0 | 0.0       | 0.0       | 26.8   | 3.9  | e    |
| 2          | Abbott       | 5     | 100.0 | 0.0       | 0.0       | 31.0   | 15.7 | e*   |

3 additional results were submitted but not published because the method groups were too small. (< results per group)

Cortisol



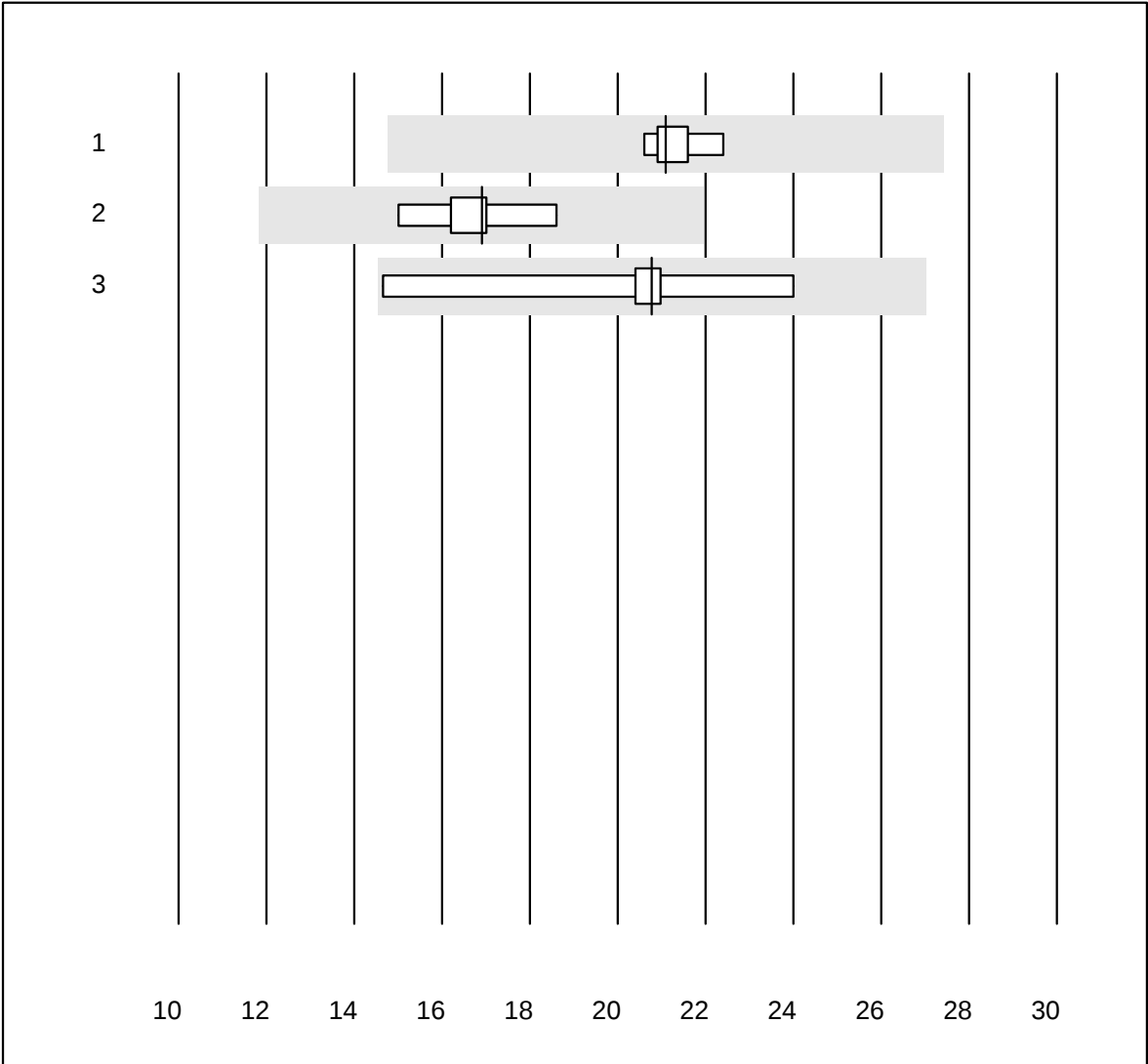
QUALAB tolerance : 20 %

Cortisol (nmol/l)

| No.Methode |              | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|--------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Roche, Cobas | 22    | 100.0 | 0.0       | 0.0       | 349    | 2.9 | e    |
| 2          | Abbott       | 5     | 100.0 | 0.0       | 0.0       | 343    | 2.8 | e    |

3 additional results were submitted but not published because the method groups were too small. (< results per group)

Progesteron



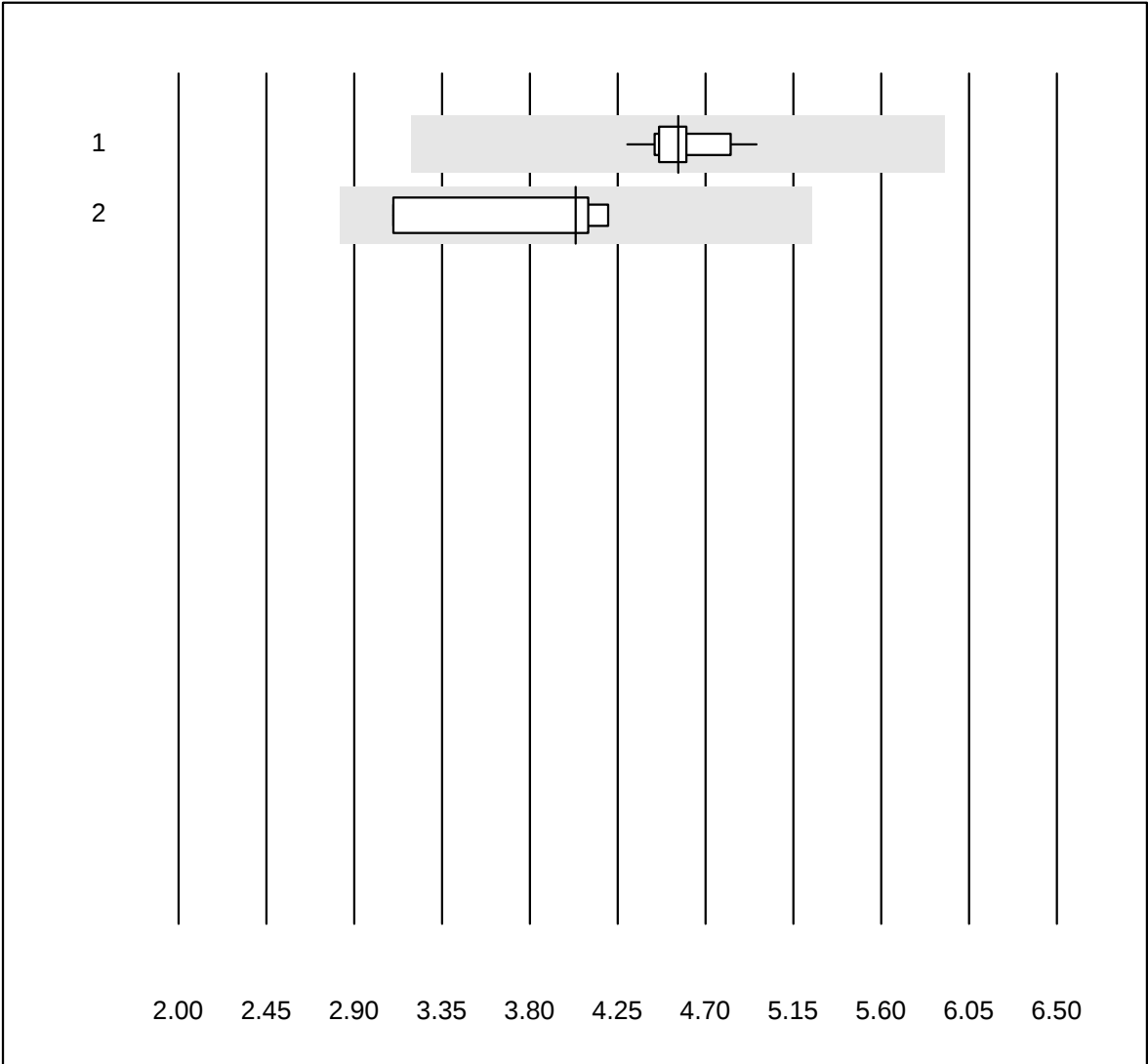
MQ tolerance : 30 %

Progesteron (nmol/l)

| No.Methode |               | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------|---------------|-------|-------|-----------|-----------|--------|------|------|
| 1          | Roche, Cobas  | 9     | 100.0 | 0.0       | 0.0       | 21.1   | 2.8  | e    |
| 2          | Abbott        | 5     | 100.0 | 0.0       | 0.0       | 16.9   | 7.8  | e    |
| 3          | Other methods | 5     | 100.0 | 0.0       | 0.0       | 20.8   | 16.9 | e*   |

2 additional results were submitted but not published because the method groups were too small. (< results per group)

DHEAS



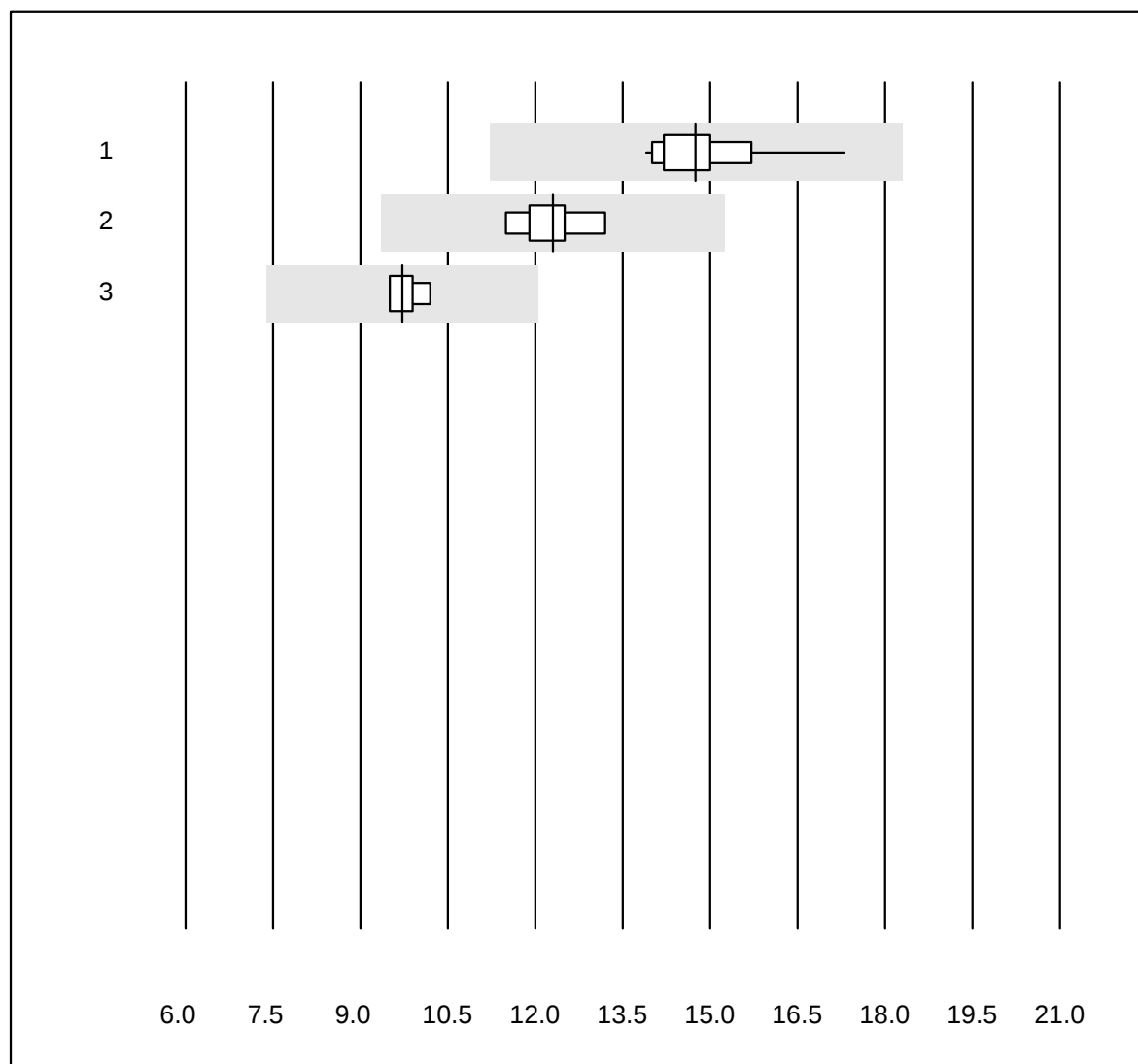
MQ tolerance : 30 %

DHEAS ( $\mu\text{mol/l}$ )

| No. | Methode      | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----|--------------|-------|-------|-----------|-----------|--------|------|------|
| 1   | Roche, Cobas | 12    | 100.0 | 0.0       | 0.0       | 4.56   | 3.9  | e    |
| 2   | Abbott       | 4     | 100.0 | 0.0       | 0.0       | 4.04   | 13.1 | e*   |

One result was submitted but not published because the method group was too small. (< 4 results per group)

## Luteinizing hormone



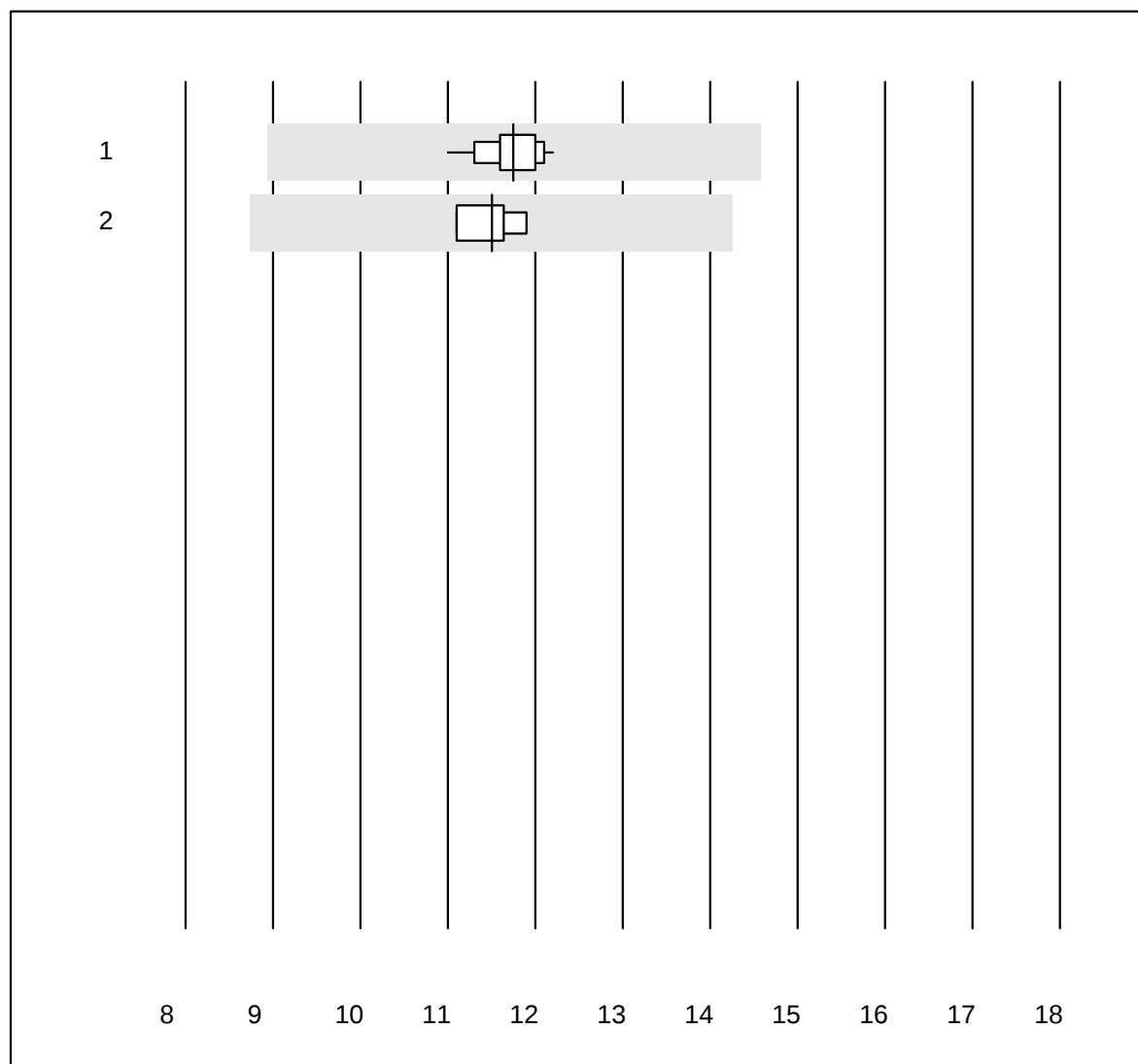
QUALAB tolerance : 24 %

Luteinizing hormone (U/l)

| No. | Methode      | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|--------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Roche, Cobas | 15    | 100.0 | 0.0       | 0.0       | 14.8   | 5.8 | e    |
| 2   | Siemens      | 5     | 100.0 | 0.0       | 0.0       | 12.3   | 5.2 | e    |
| 3   | Abbott       | 4     | 100.0 | 0.0       | 0.0       | 9.7    | 3.4 | e    |

3 additional results were submitted but not published because the method groups were too small. (< results per group)

## Follicle-stimulating hormone



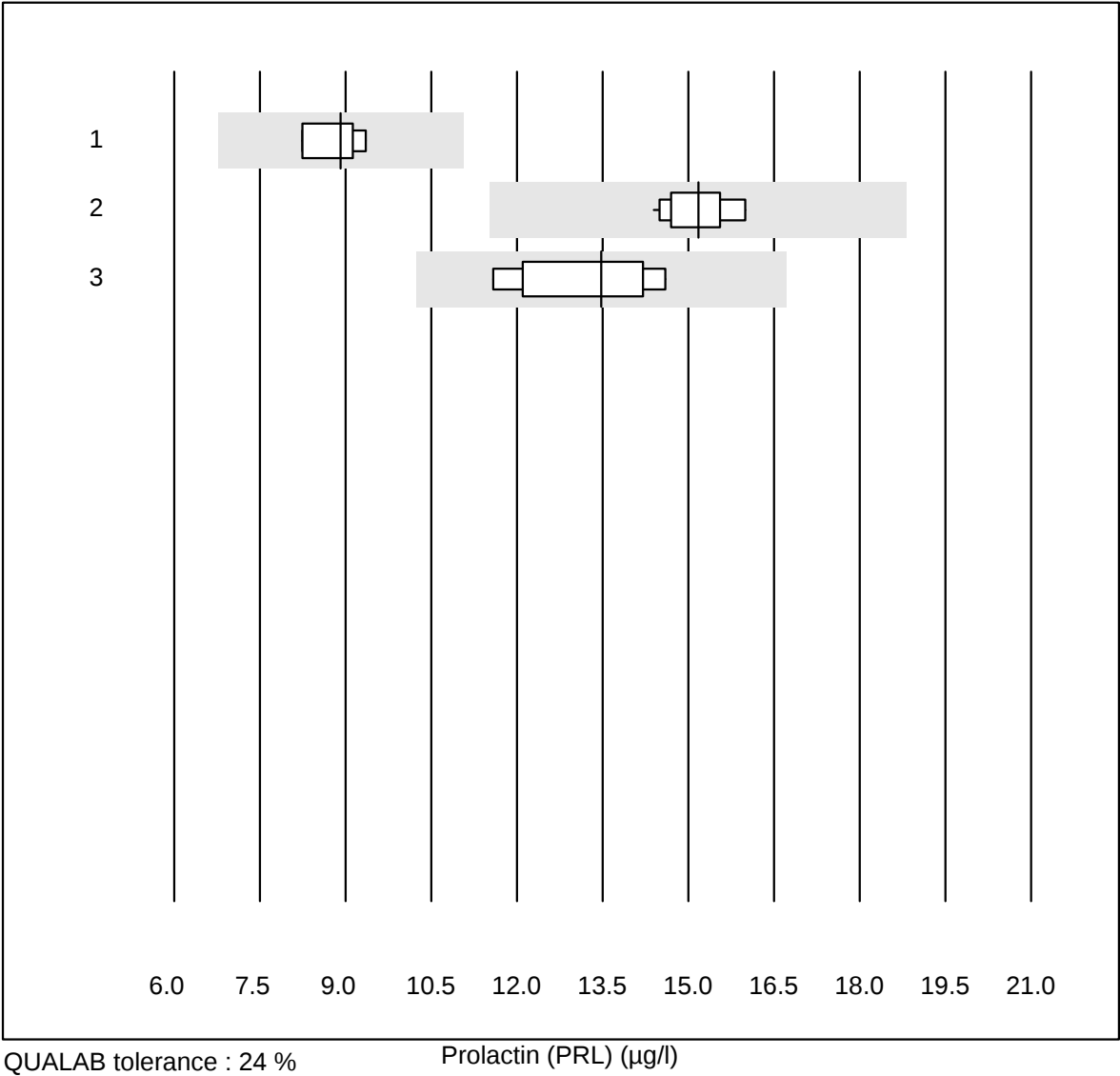
QUALAB tolerance : 24 %

Follicle-stimulating hormone (U/l)

| No. | Methode      | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|--------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Roche, Cobas | 14    | 100.0 | 0.0       | 0.0       | 11.8   | 2.9 | e    |
| 2   | Abbott       | 7     | 100.0 | 0.0       | 0.0       | 11.5   | 2.6 | e    |

6 additional results were submitted but not published because the method groups were too small. (< results per group)

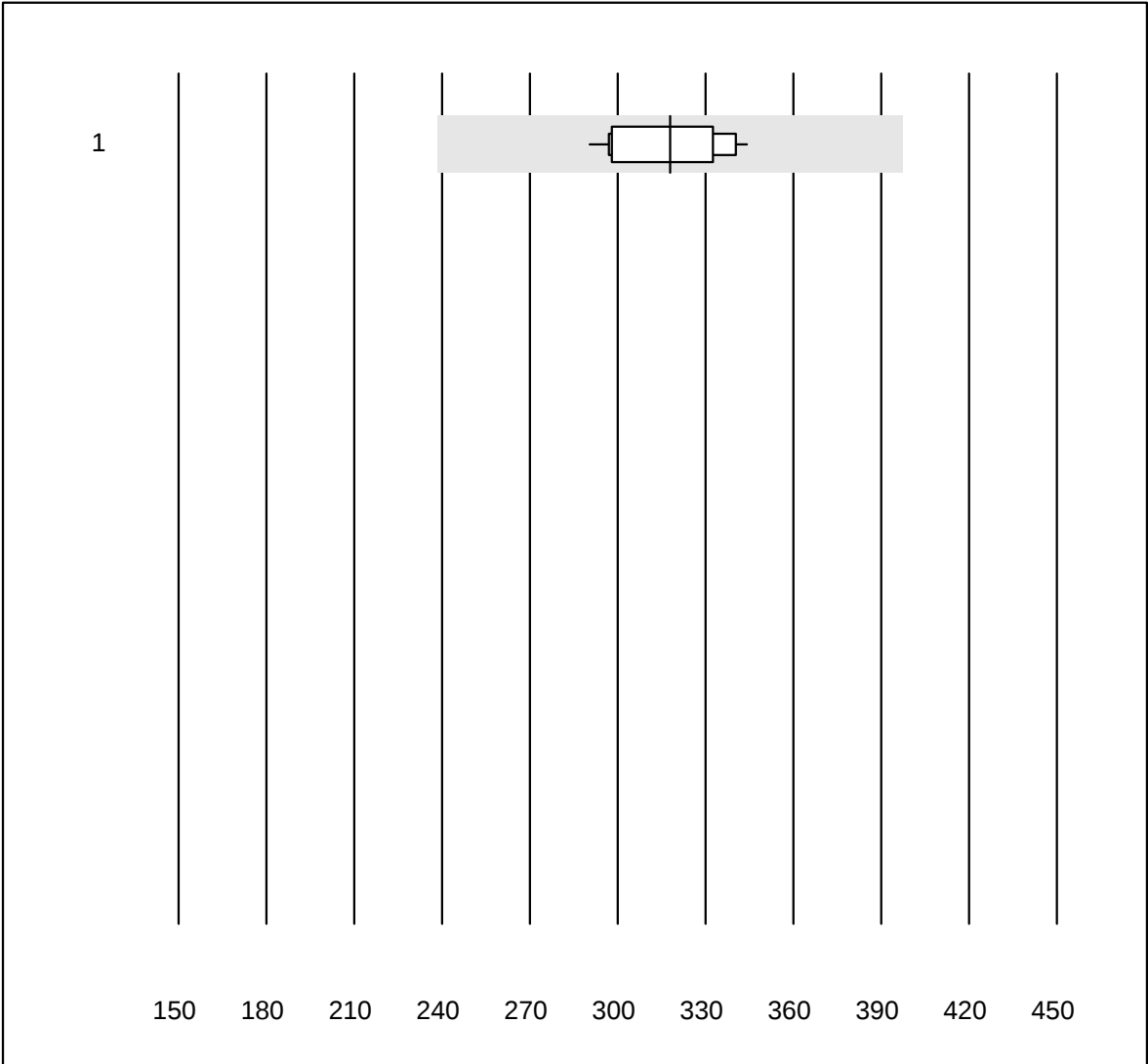
Prolactin (PRL)



QUALAB tolerance : 24 %

| No.Methode |                     | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|---------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | ADVIA Centaur XP/CP | 4     | 100.0 | 0.0       | 0.0       | 8.9    | 5.5 | e    |
| 2          | Cobas/Roche         | 15    | 100.0 | 0.0       | 0.0       | 15.2   | 3.4 | e    |
| 3          | Abbott              | 5     | 100.0 | 0.0       | 0.0       | 13.5   | 9.9 | e*   |

Insulin



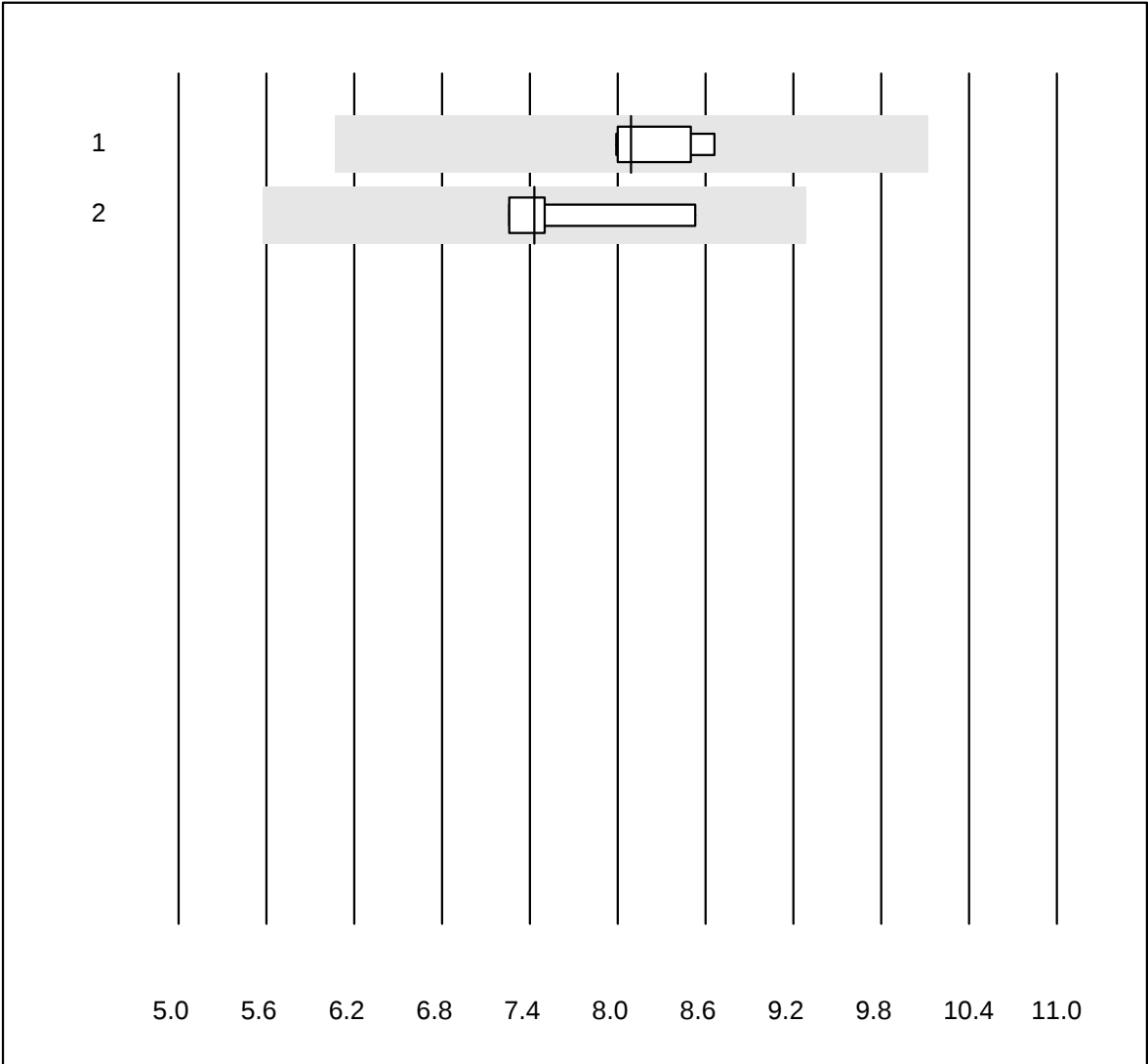
MQ tolerance : 25 %

Insulin (pmol/l)

| No. | Methode      | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|--------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Roche, Cobas | 16    | 100.0 | 0.0       | 0.0       | 318    | 5.5 | e    |

5 additional results were submitted but not published because the method groups were too small. (< results per group)

HGH

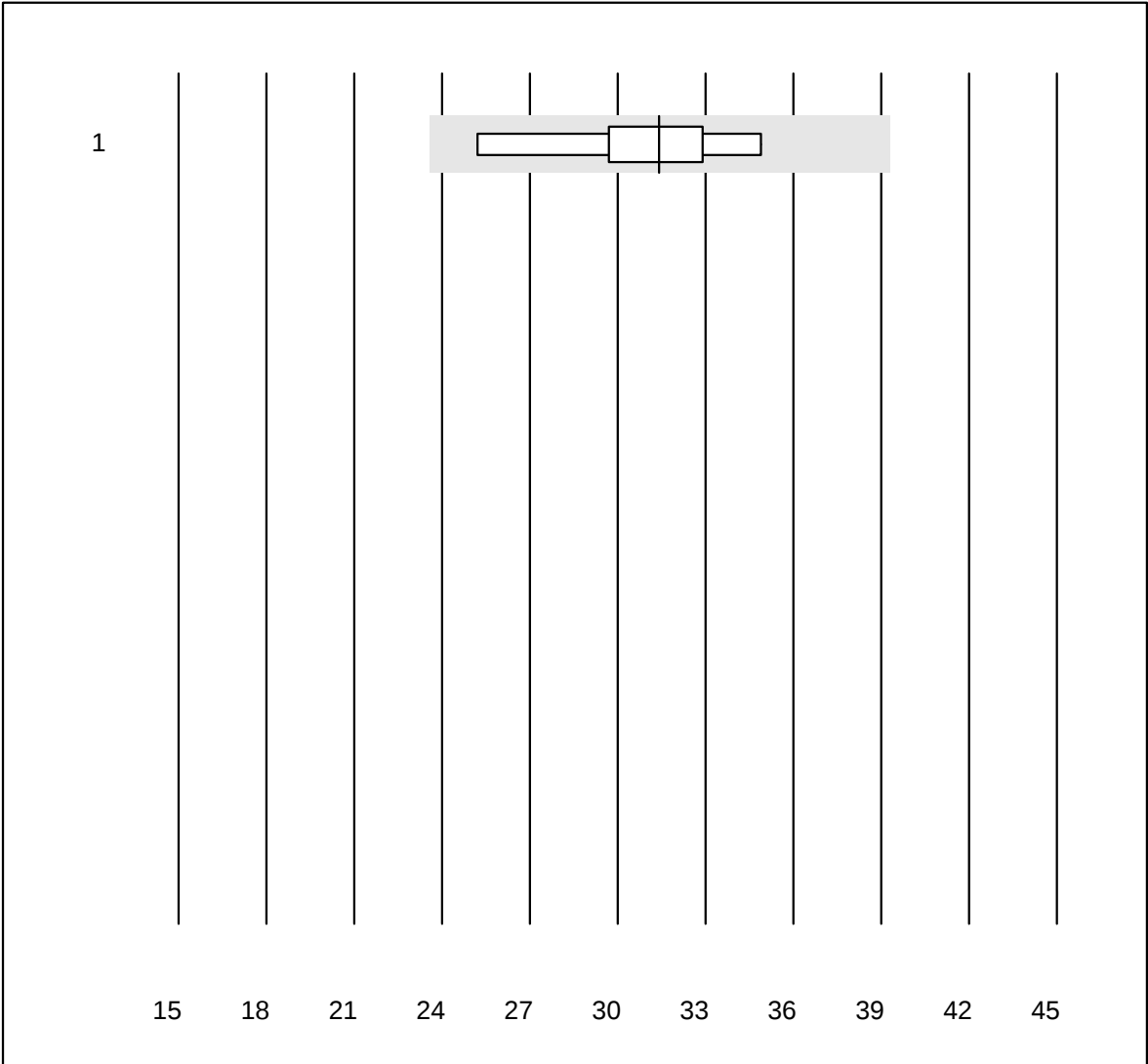


MQ tolerance : 25 %

HGH (µg/l)

| No. | Methode          | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | all Participants | 7     | 100.0 | 0.0       | 0.0       | 8.09   | 3.2 | e    |
| 2   | Liaison          | 4     | 100.0 | 0.0       | 0.0       | 7.43   | 7.7 | e*   |

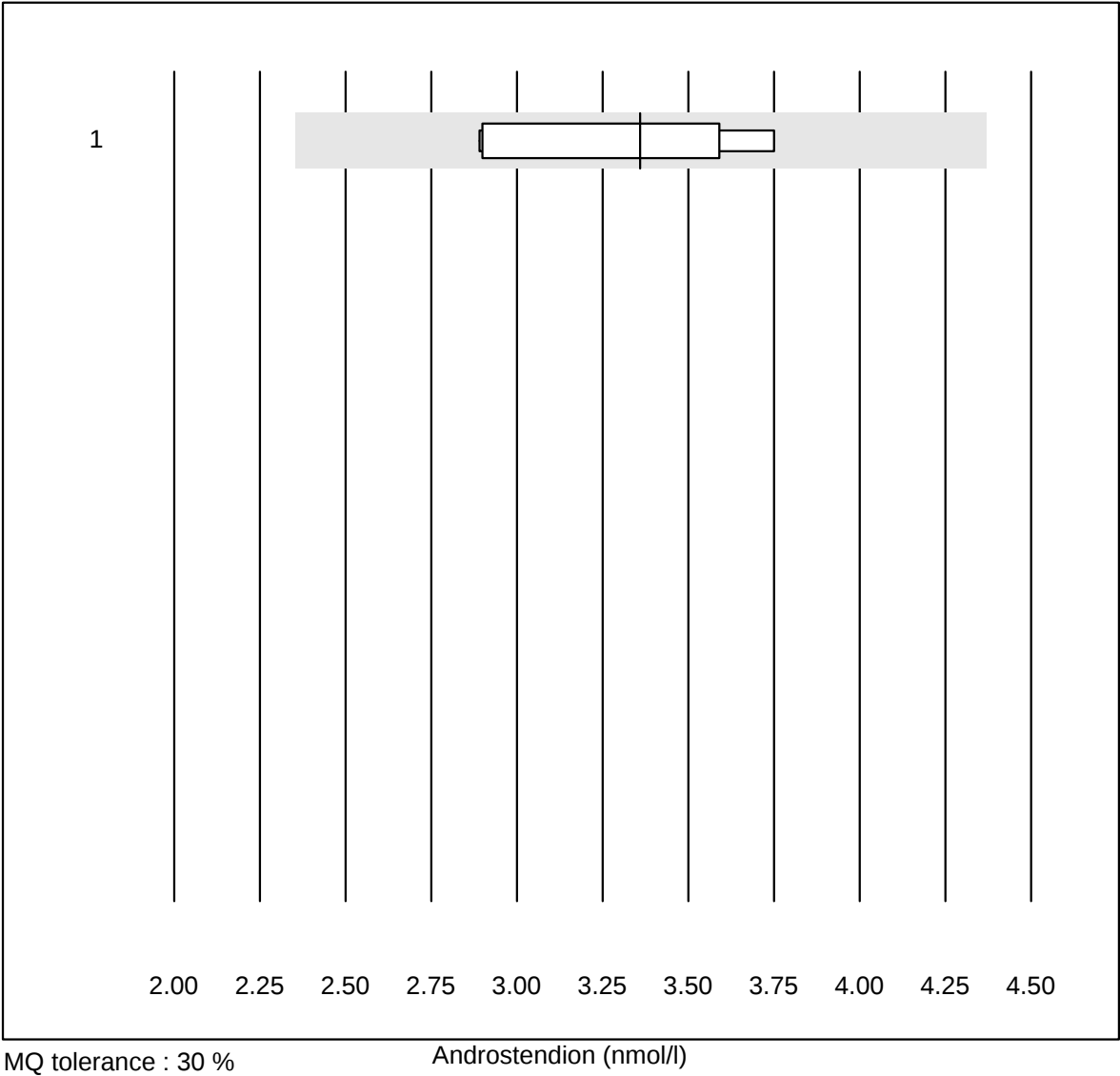
Freies Testosteron



MQ tolerance : 25 % Freies Testosteron (pmol/l)

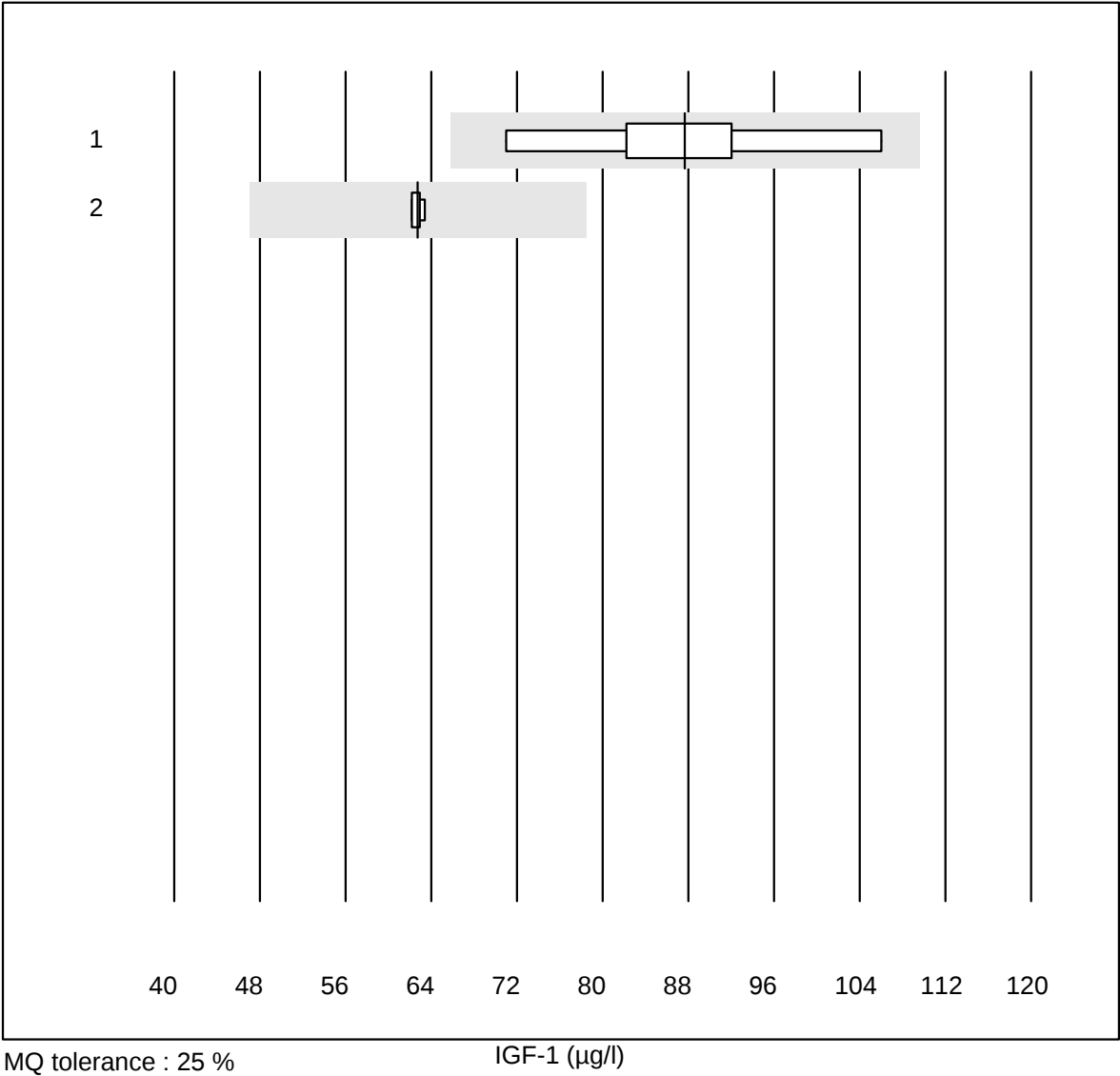
| No.                                                                                                                   | Methode | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----------------------------------------------------------------------------------------------------------------------|---------|-------|-------|-----------|-----------|--------|------|------|
| 1                                                                                                                     | IDS     | 6     | 100.0 | 0.0       | 0.0       | 31.4   | 10.7 | e*   |
| 2 additional results were submitted but not published because the method groups were too small. (< results per group) |         |       |       |           |           |        |      |      |

Androstendion



| No.Methode |              | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------|--------------|-------|-------|-----------|-----------|--------|------|------|
| 1          | Roche, Cobas | 5     | 100.0 | 0.0       | 0.0       | 3.4    | 11.9 | e*   |

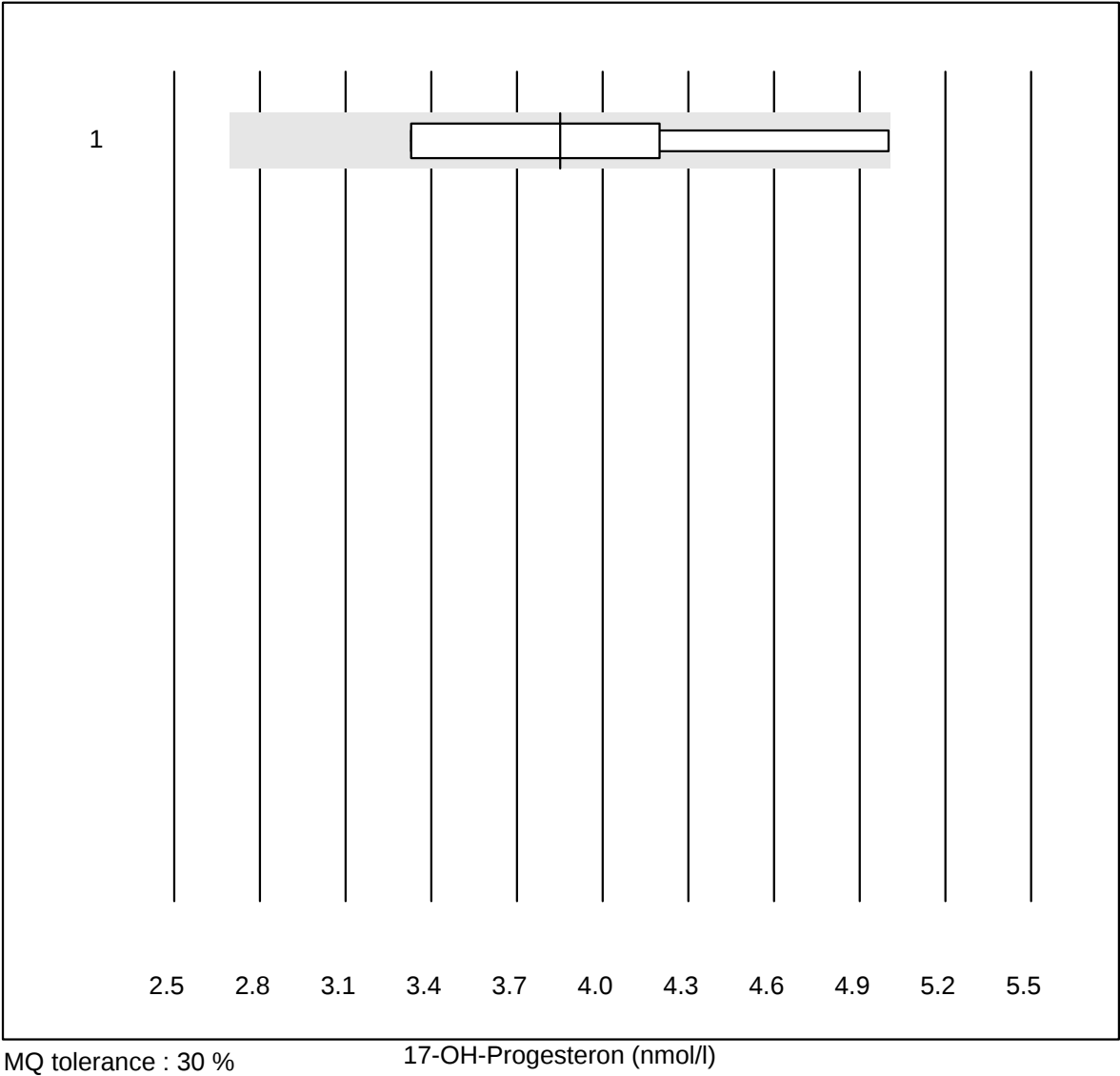
IGF-1



MQ tolerance : 25 %

| No.Methode |               | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------|---------------|-------|-------|-----------|-----------|--------|------|------|
| 1          | Liaison       | 8     | 100.0 | 0.0       | 0.0       | 88     | 12.5 | e*   |
| 2          | Other methods | 4     | 100.0 | 0.0       | 0.0       | 63     | 0.8  | e    |

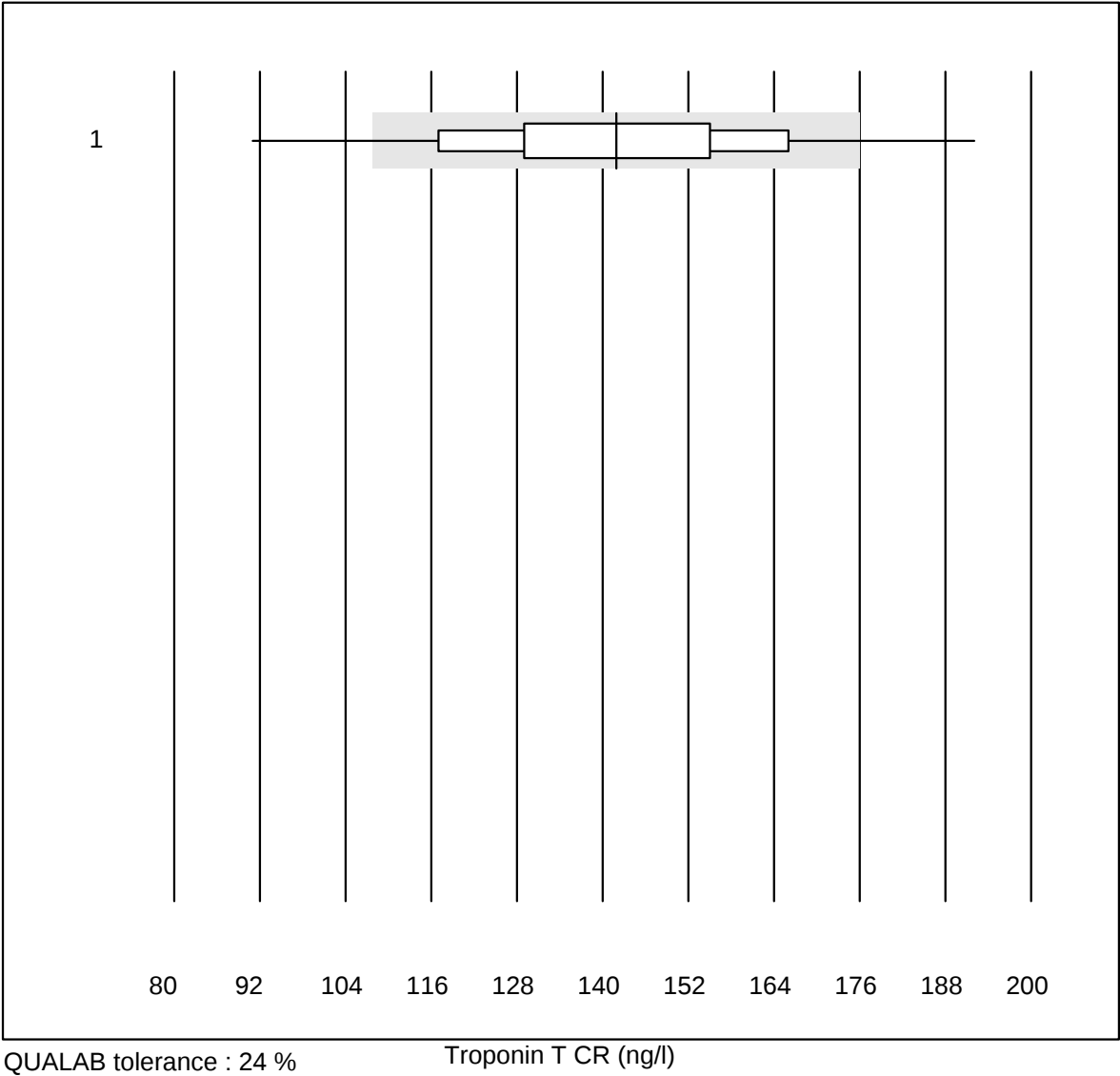
17-OH-Progesteron



MQ tolerance : 30 %

| No.                                                                                                       | Methode       | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----------------------------------------------------------------------------------------------------------|---------------|-------|-------|-----------|-----------|--------|------|------|
| 1                                                                                                         | Other methods | 4     | 100.0 | 0.0       | 0.0       | 3.9    | 19.0 | e*   |
| One result was submitted but not pubished because the method group was too small. (< 4 results per group) |               |       |       |           |           |        |      |      |

Troponin T CR

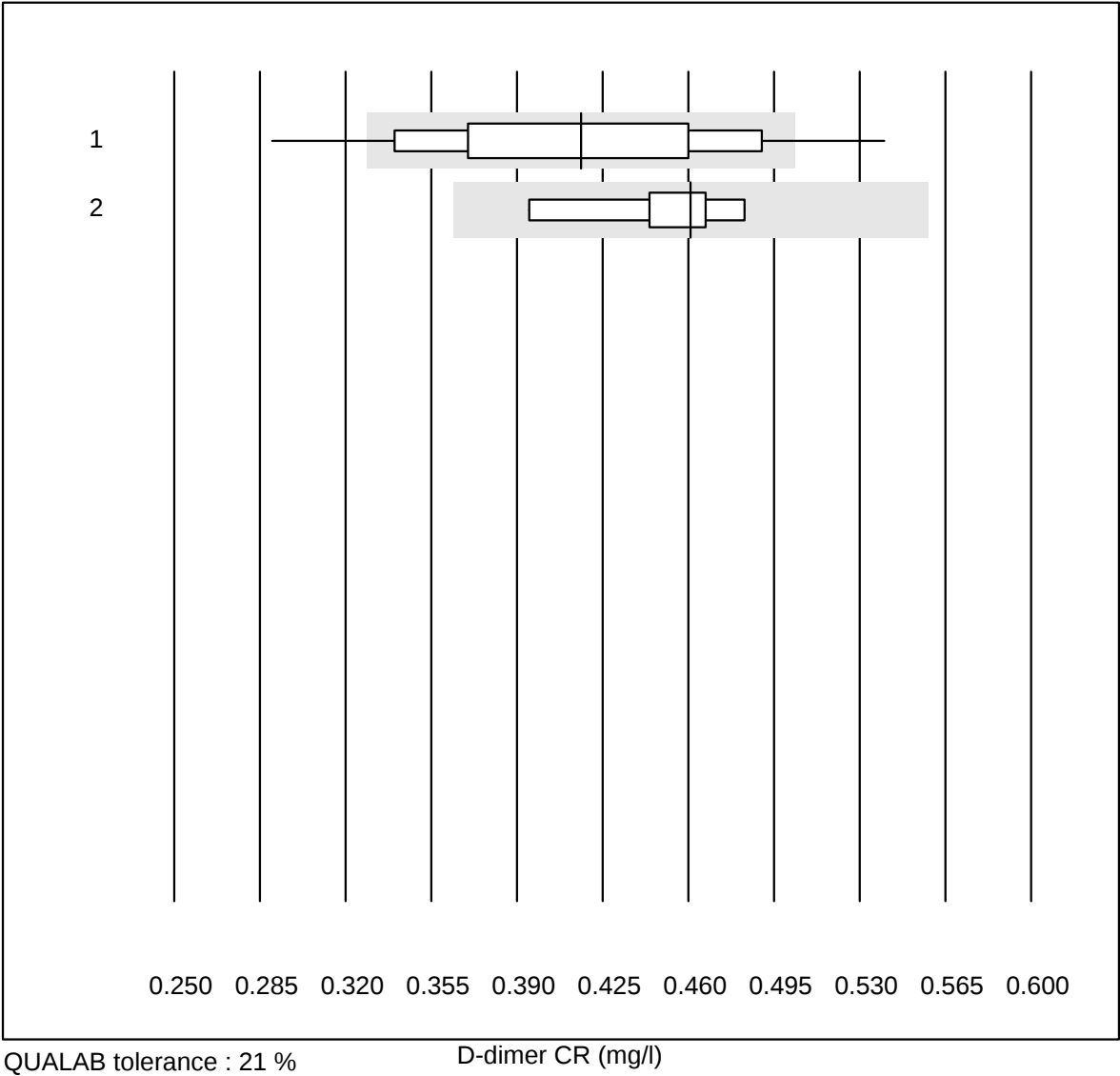


QUALAB tolerance : 24 %

Troponin T CR (ng/l)

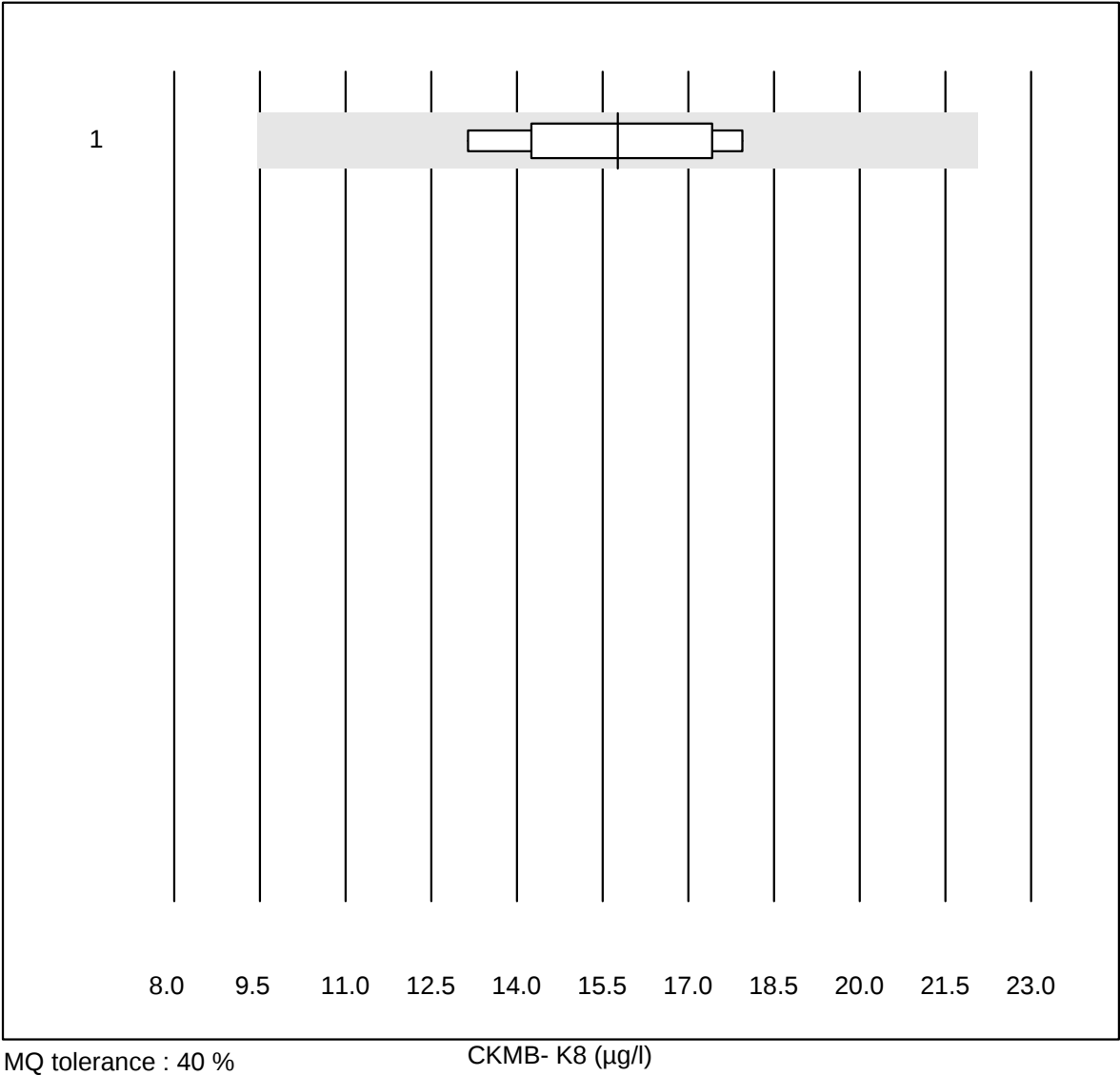
| No. | Methode     | Total | % OK | % insuff. | % outlier | Target | CV%  | Type |
|-----|-------------|-------|------|-----------|-----------|--------|------|------|
| 1   | Cobas h 232 | 772   | 88.4 | 8.0       | 3.6       | 141.92 | 13.7 | e    |

D-dimer CR



| No. | Methode     | Total | % OK | % insuff. | % outlier | Target | CV%  | Type |
|-----|-------------|-------|------|-----------|-----------|--------|------|------|
| 1   | Cobas h 232 | 896   | 87.0 | 9.5       | 3.5       | 0.42   | 13.6 | e    |
| 2   | Lumira Dx   | 7     | 85.7 | 0.0       | 14.3      | 0.46   | 6.7  | e*   |

CKMB- K8

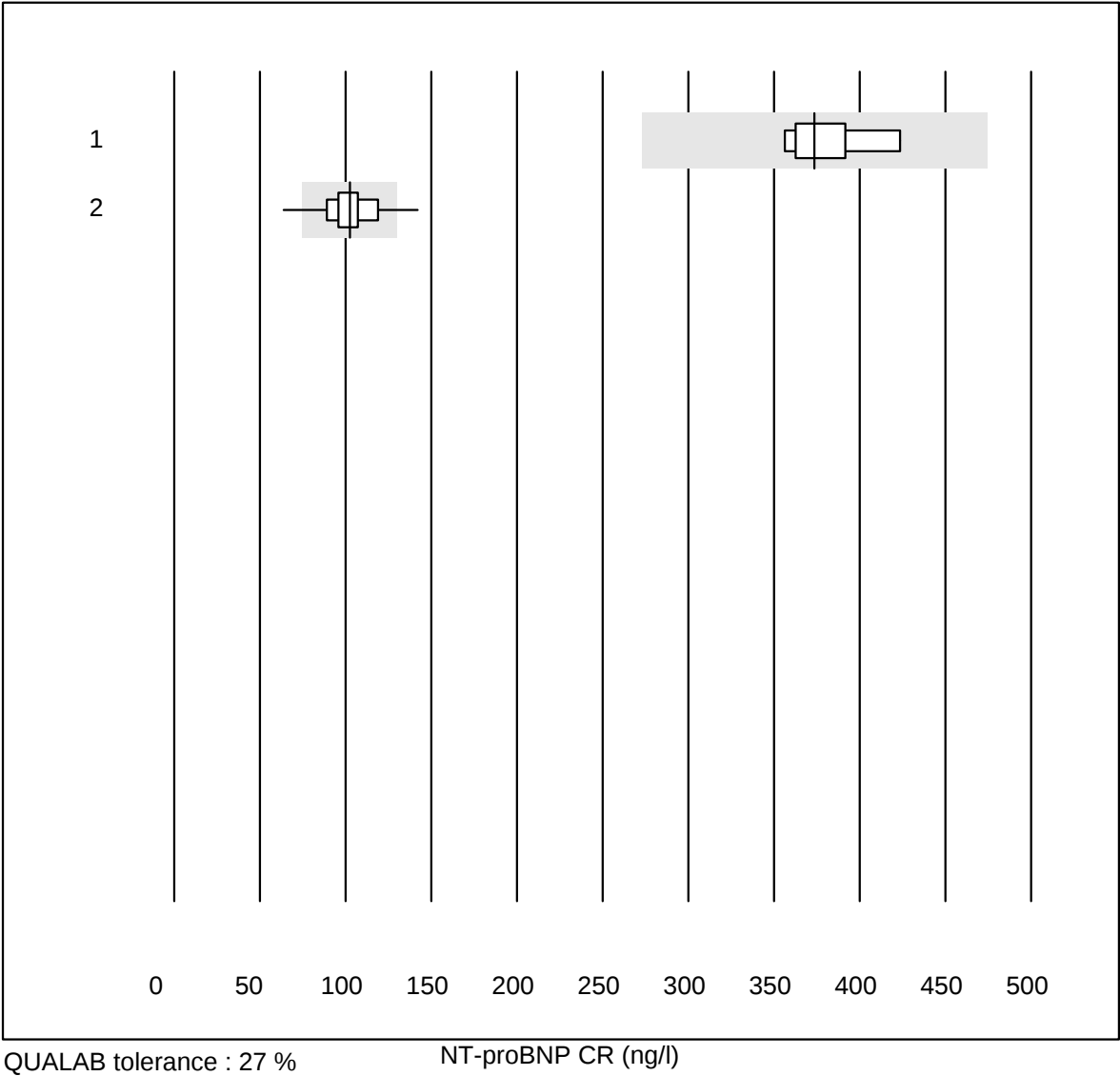


MQ tolerance : 40 %

CKMB- K8 (µg/l)

| No.Methode |             | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------|-------------|-------|-------|-----------|-----------|--------|------|------|
| 1          | Cobas h 232 | 6     | 100.0 | 0.0       | 0.0       | 15.8   | 12.0 | e*   |

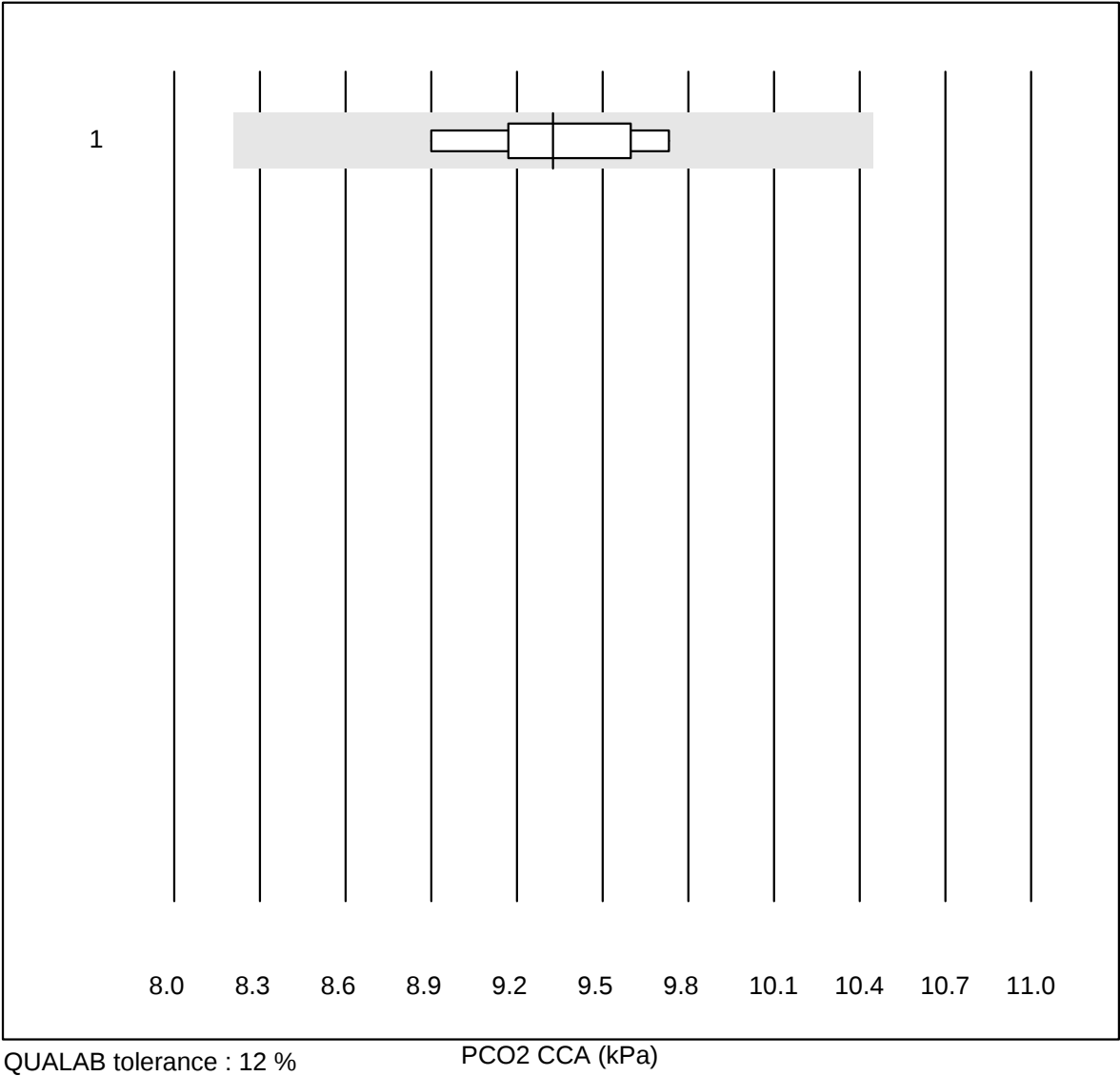
NT-proBNP CR



QUALAB tolerance : 27 %

| No.Methode |             | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------|-------------|-------|-------|-----------|-----------|--------|------|------|
| 1          | Lumira Dx   | 5     | 100.0 | 0.0       | 0.0       | 374    | 7.1  | e    |
| 2          | Cobas h 232 | 542   | 90.2  | 4.8       | 5.0       | 103    | 12.0 | e    |

PCO2 CCA

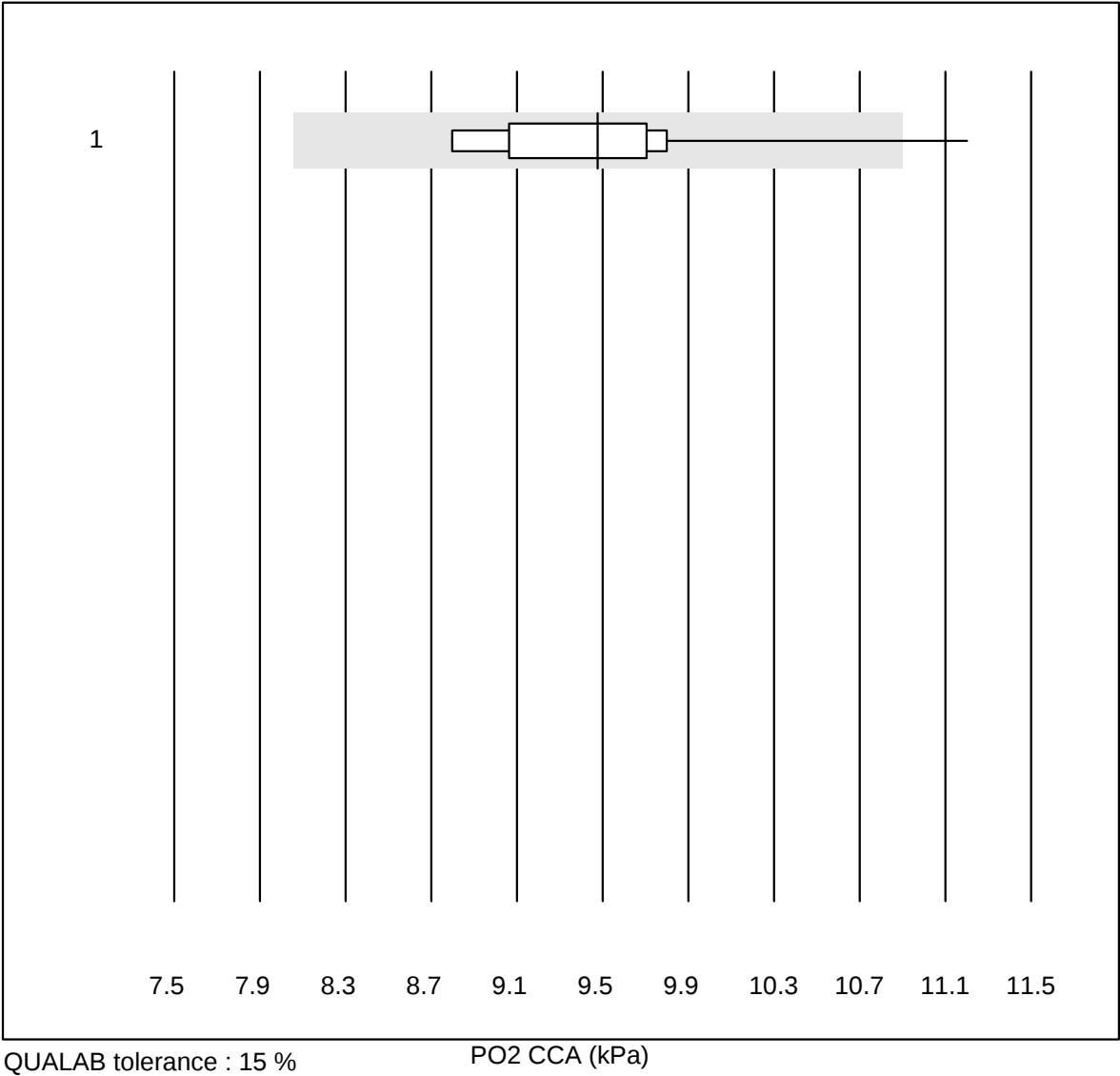


QUALAB tolerance : 12 %

PCO2 CCA (kPa)

| No.Methode |          | Total | % OK | % insuff. | % outlier | Target | CV% | Type |
|------------|----------|-------|------|-----------|-----------|--------|-----|------|
| 1          | OPTI CCA | 11    | 81.8 | 0.0       | 18.2      | 9.33   | 3.1 | e    |

PO2 CCA

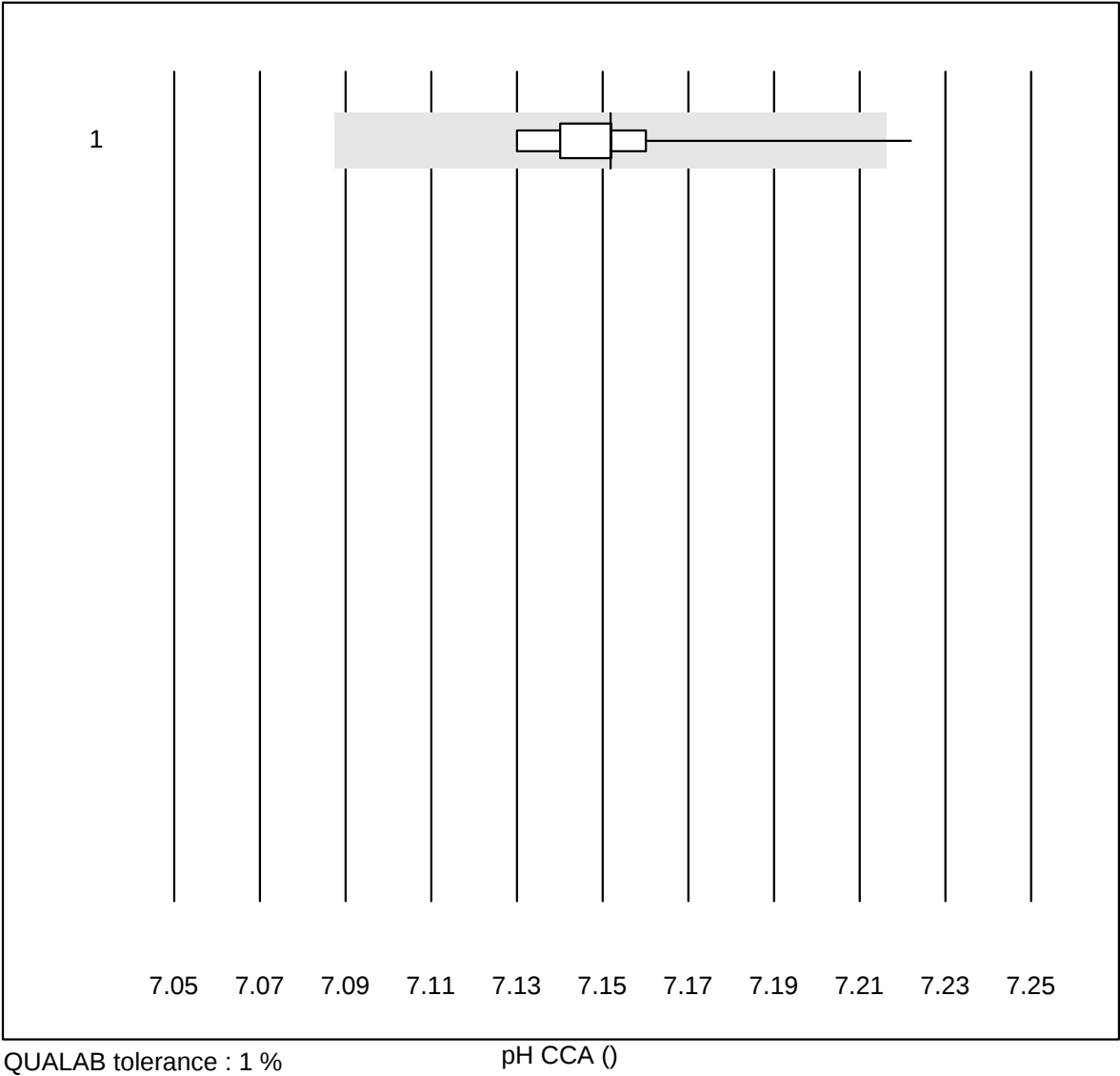


QUALAB tolerance : 15 %

PO2 CCA (kPa)

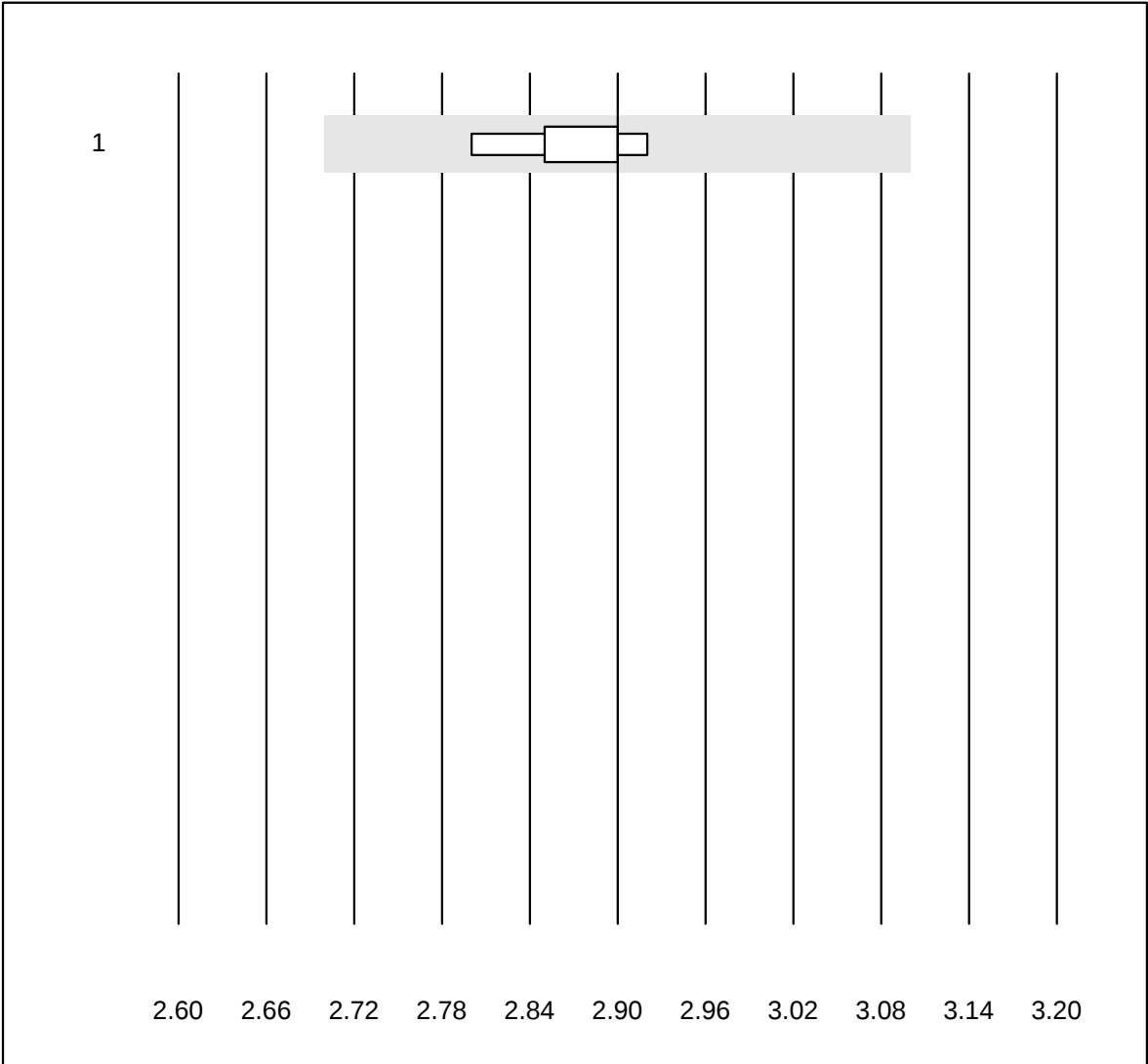
| No.Methode |          | Total | % OK | % insuff. | % outlier | Target | CV% | Type |
|------------|----------|-------|------|-----------|-----------|--------|-----|------|
| 1          | OPTI CCA | 11    | 81.8 | 9.1       | 9.1       | 9.48   | 7.3 | e*   |

pH CCA



| No.Methode |          | Total | % OK | % insuff. | % outlier | Target | CV% | Type |
|------------|----------|-------|------|-----------|-----------|--------|-----|------|
| 1          | OPTI CCA | 10    | 90.0 | 10.0      | 0.0       | 7.15   | 0.4 | e*   |

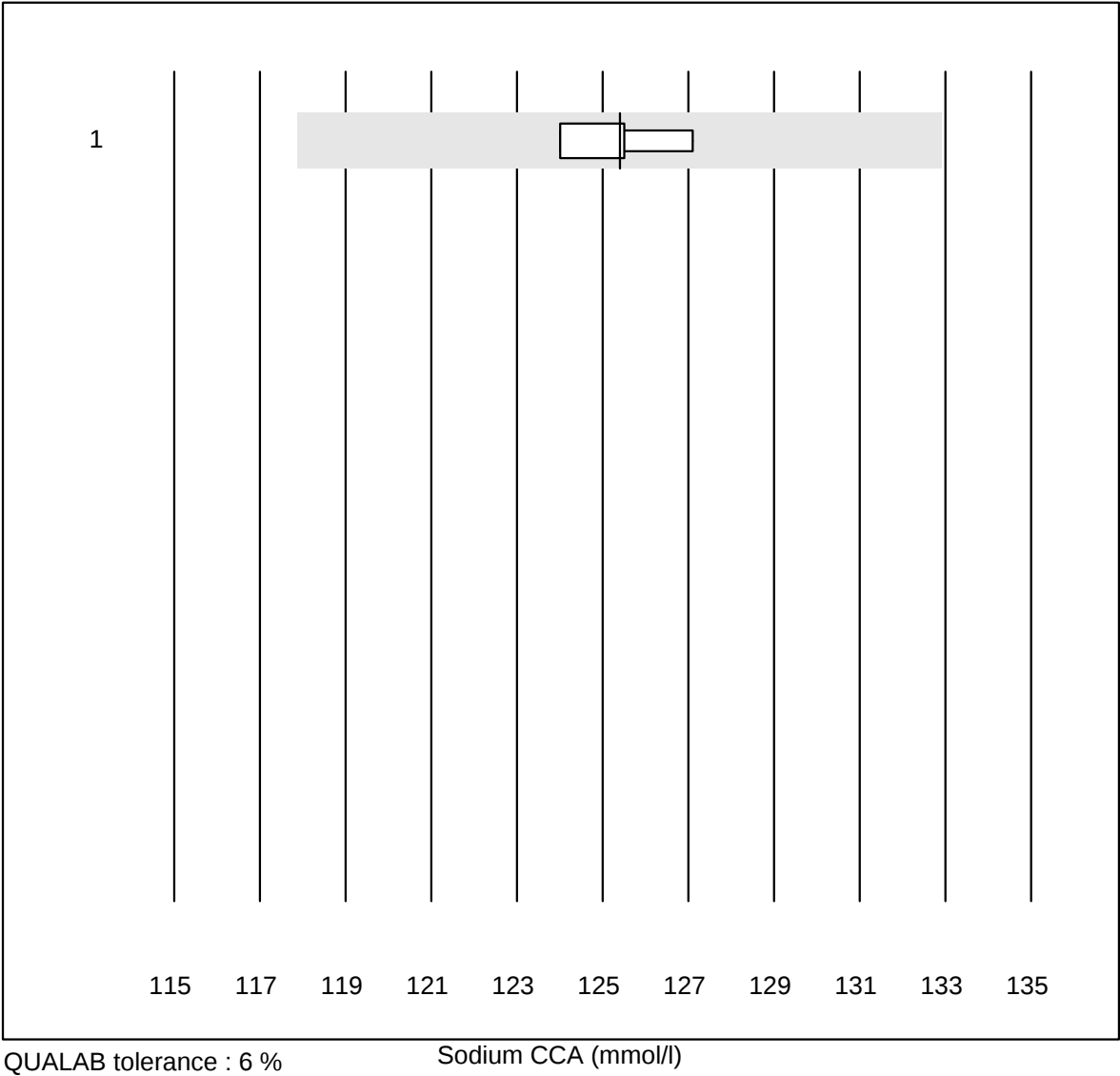
Potassium CCA



QUALAB tolerance : 6 %  
( < 3.3: +/- 0.2 mmol/l)

| No.Methode |          | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|----------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | OPTI CCA | 5     | 100.0 | 0.0       | 0.0       | 2.9    | 1.7 | e*   |

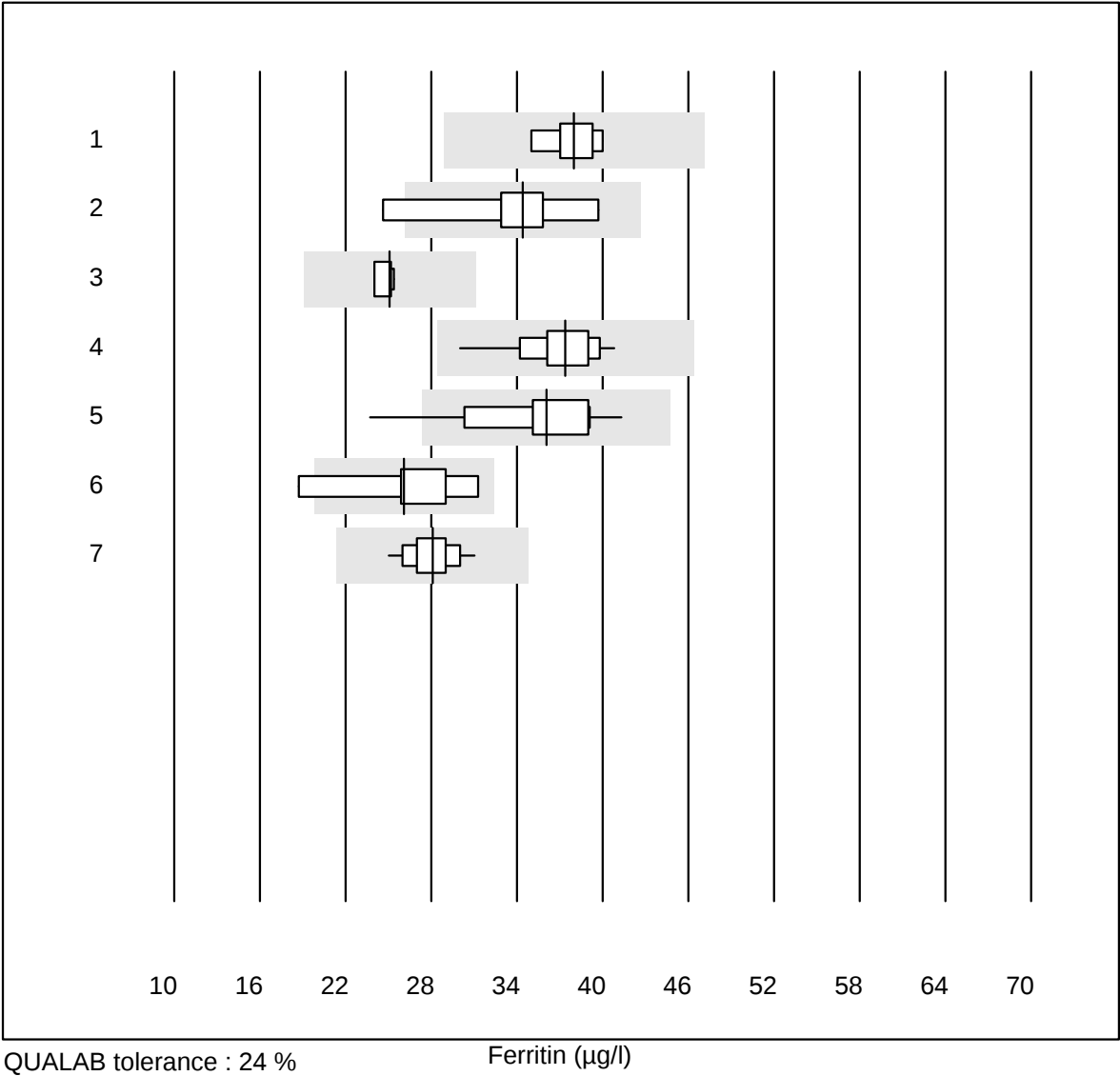
Sodium CCA



QUALAB tolerance : 6 %

| No.Methode |          | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|----------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | OPTI CCA | 4     | 100.0 | 0.0       | 0.0       | 125.4  | 1.0 | e    |

Ferritin

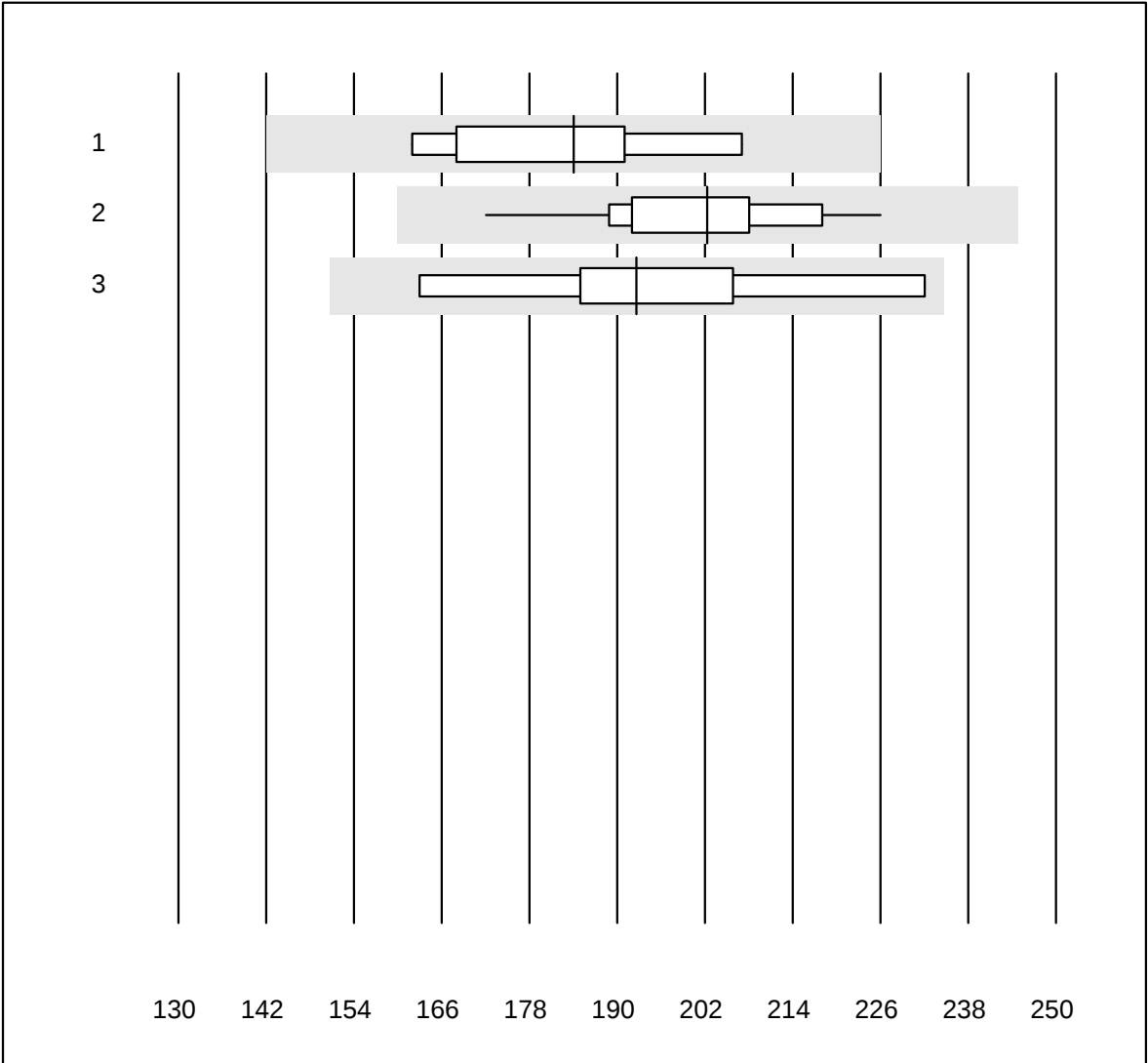


QUALAB tolerance : 24 %

| No.Methode |              | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------|--------------|-------|-------|-----------|-----------|--------|------|------|
| 1          | Dimension    | 5     | 100.0 | 0.0       | 0.0       | 38.00  | 5.2  | e    |
| 2          | Beckman      | 5     | 80.0  | 20.0      | 0.0       | 34.40  | 16.6 | e*   |
| 3          | Siemens      | 4     | 100.0 | 0.0       | 0.0       | 25.10  | 2.5  | e    |
| 4          | Roche, Cobas | 30    | 100.0 | 0.0       | 0.0       | 37.36  | 6.3  | e    |
| 5          | Abbott       | 14    | 92.9  | 7.1       | 0.0       | 36.06  | 12.3 | e*   |
| 6          | Mini Vidas   | 9     | 88.9  | 11.1      | 0.0       | 26.10  | 14.1 | e*   |
| 7          | AFIAS        | 25    | 100.0 | 0.0       | 0.0       | 28.08  | 5.4  | e    |

4 additional results were submitted but not published because the method groups were too small. (< results per group)

Vitamin B12



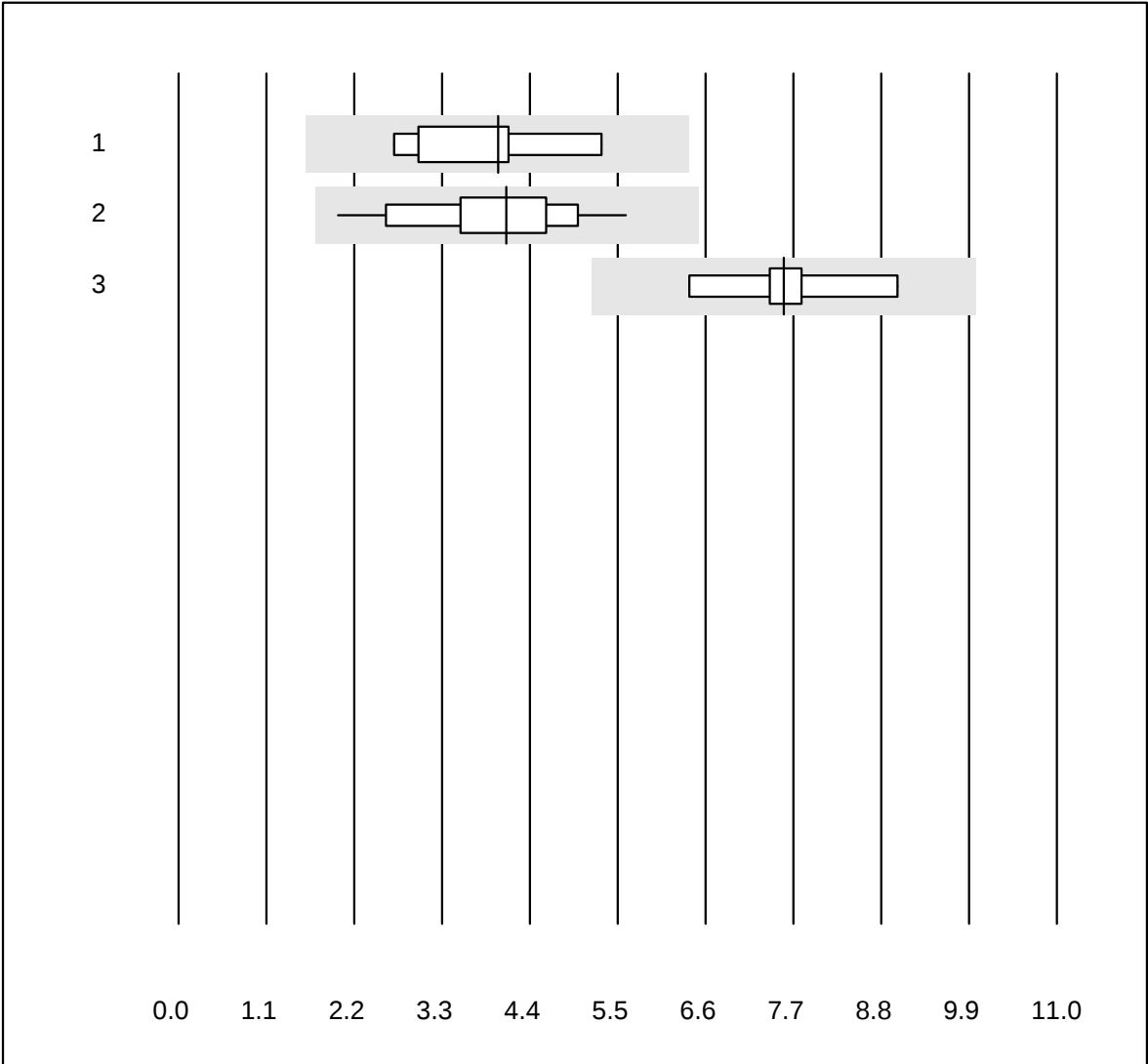
QUALAB tolerance : 21 %  
( < 200.00: +/- 42.00 pmol/l)

Vitamin B12 (pmol/l)

| No. | Methode          | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----|------------------|-------|-------|-----------|-----------|--------|------|------|
| 1   | all Participants | 5     | 100.0 | 0.0       | 0.0       | 184.00 | 9.9  | e*   |
| 2   | Roche, Cobas     | 22    | 100.0 | 0.0       | 0.0       | 202.31 | 6.7  | e    |
| 3   | Abbott           | 10    | 90.0  | 0.0       | 10.0      | 192.67 | 11.3 | e*   |

4 additional results were submitted but not published because the method groups were too small. (< results per group)

Folate

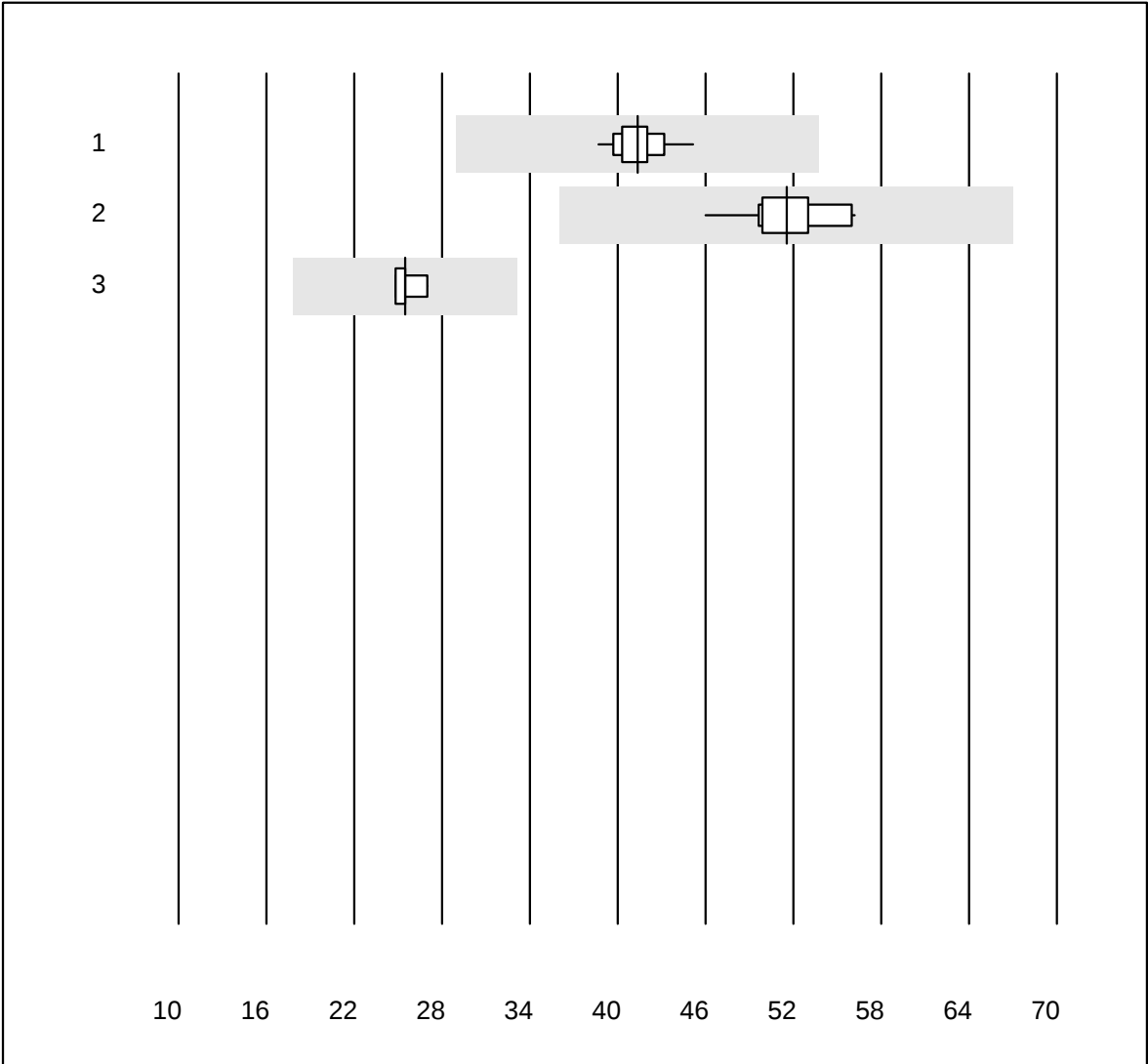


QUALAB tolerance : 24 %  
( < 10.00: +/- 2.40 nmol/l)

Folate (nmol/l)

| No.Methode |              | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------|--------------|-------|-------|-----------|-----------|--------|------|------|
| 1          | Siemens      | 8     | 100.0 | 0.0       | 0.0       | 4.00   | 22.0 | e*   |
| 2          | Roche, Cobas | 24    | 100.0 | 0.0       | 0.0       | 4.11   | 21.6 | e*   |
| 3          | Abbott       | 10    | 90.0  | 0.0       | 10.0      | 7.58   | 10.5 | e*   |

Holotranscobalamine



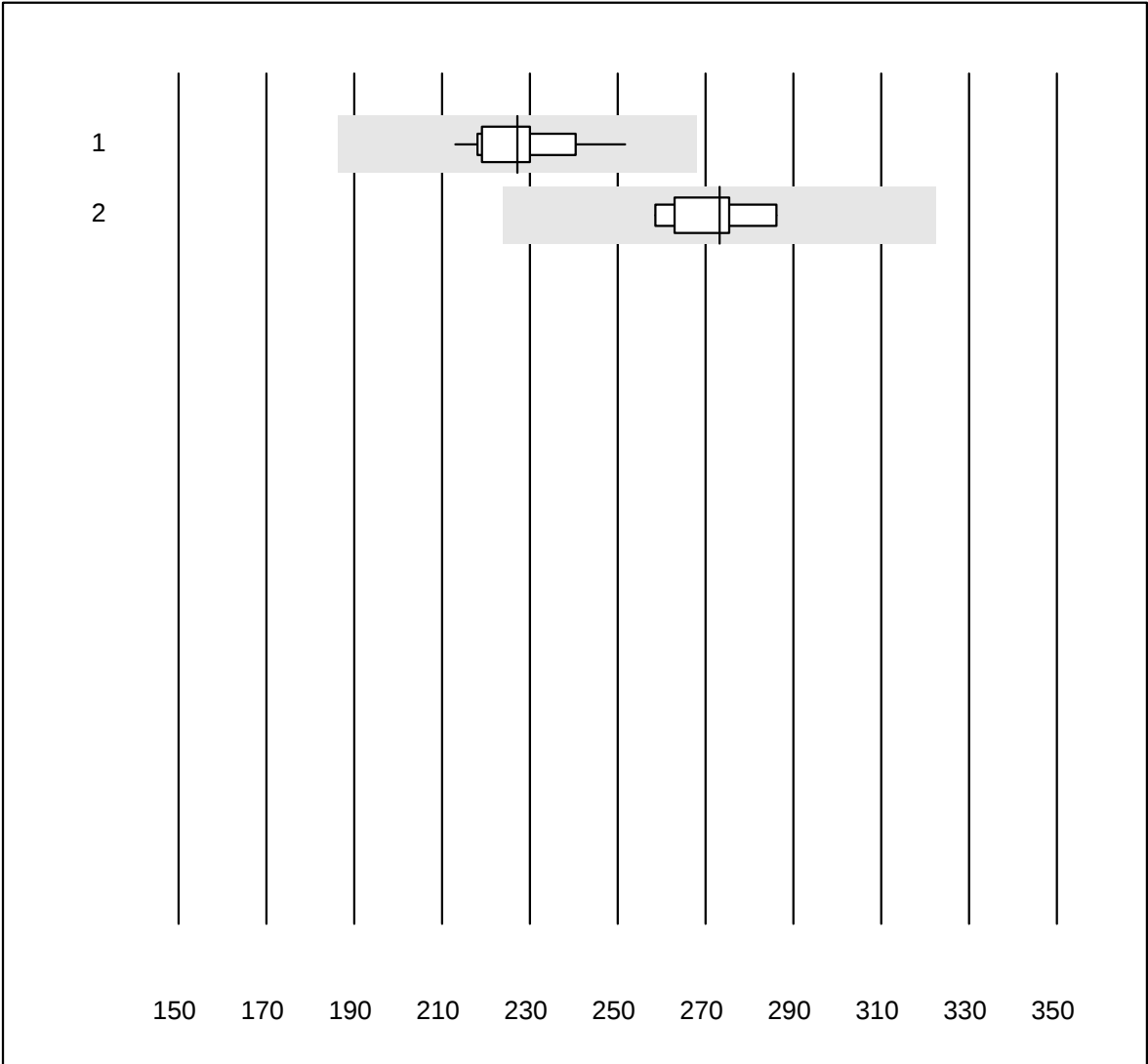
MQ tolerance : 30 %

Holotranscobalamine (pmol/l)

| No.Methode |                      | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|----------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Cobas                | 35    | 100.0 | 0.0       | 0.0       | 41.3   | 3.5 | e    |
| 2          | Abbott               | 16    | 100.0 | 0.0       | 0.0       | 51.6   | 5.2 | e    |
| 3          | Cobas Biotin suppres | 4     | 100.0 | 0.0       | 0.0       | 25.5   | 3.6 | e    |

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Bilirubin total Neo

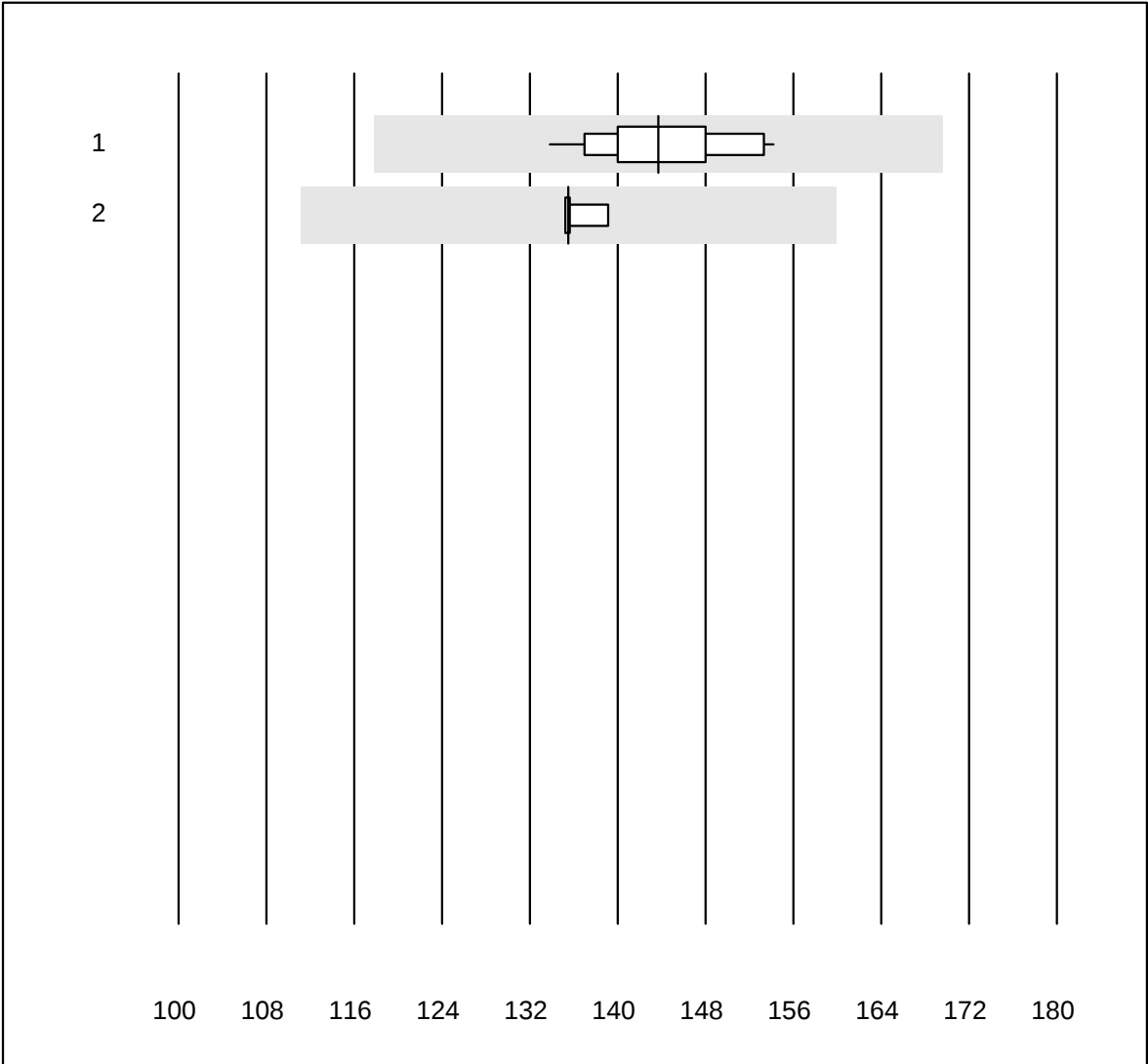


QUALAB tolerance : 18 %

Bilirubin total Neo (μmol/l)

| No. | Methode          | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | all Participants | 16    | 100.0 | 0.0       | 0.0       | 227    | 4.4 | e    |
| 2   | Dimension        | 6     | 100.0 | 0.0       | 0.0       | 273    | 3.6 | e    |

Bilirubin direct

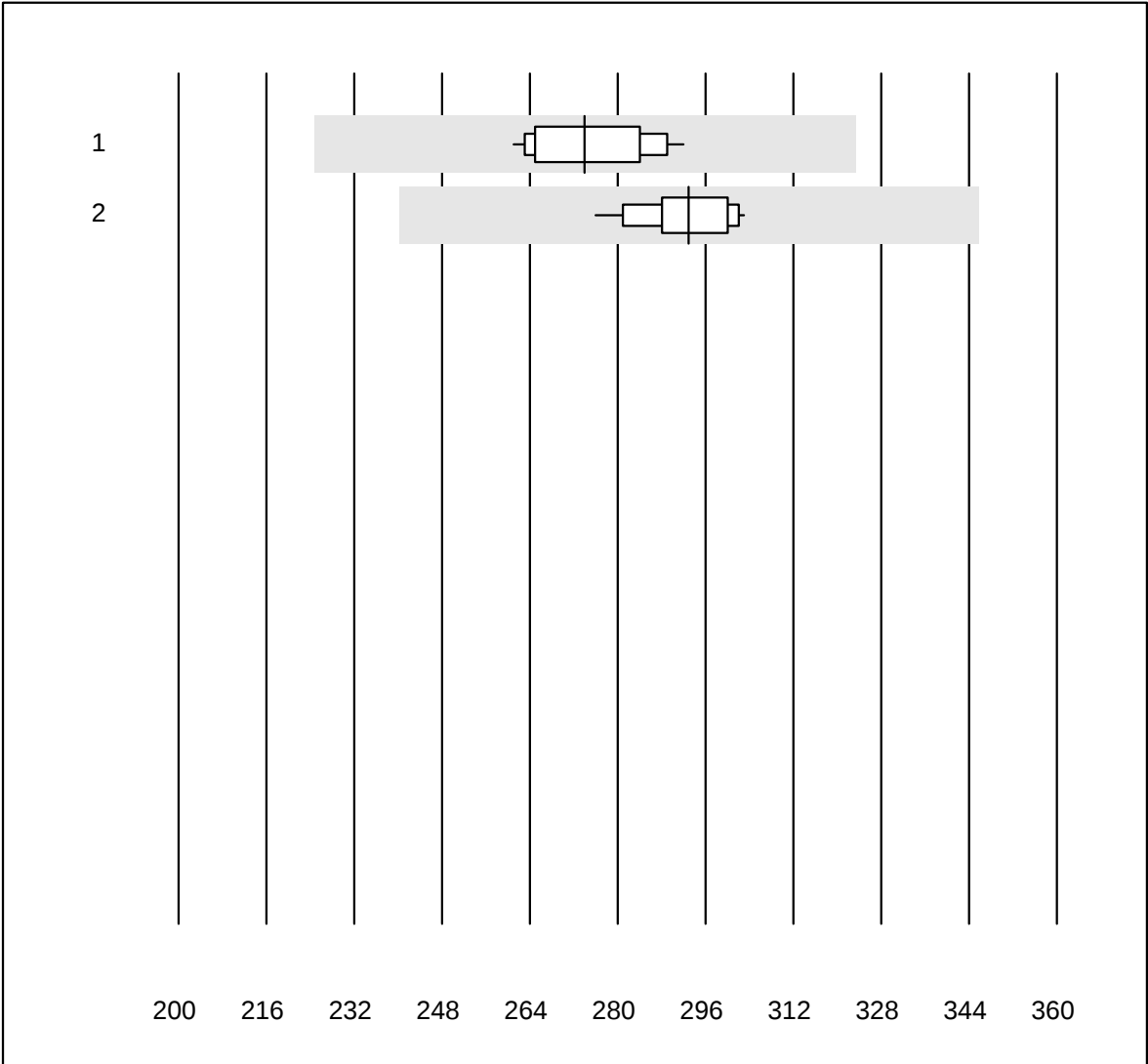


QUALAB tolerance : 18 %

Bilirubin direct (μmol/l)

| No.Methode |                  | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | all Participants | 19    | 94.7  | 0.0       | 5.3       | 144    | 4.0 | e    |
| 2          | Dimension        | 4     | 100.0 | 0.0       | 0.0       | 136    | 1.4 | e    |

Bilirubin neonatal

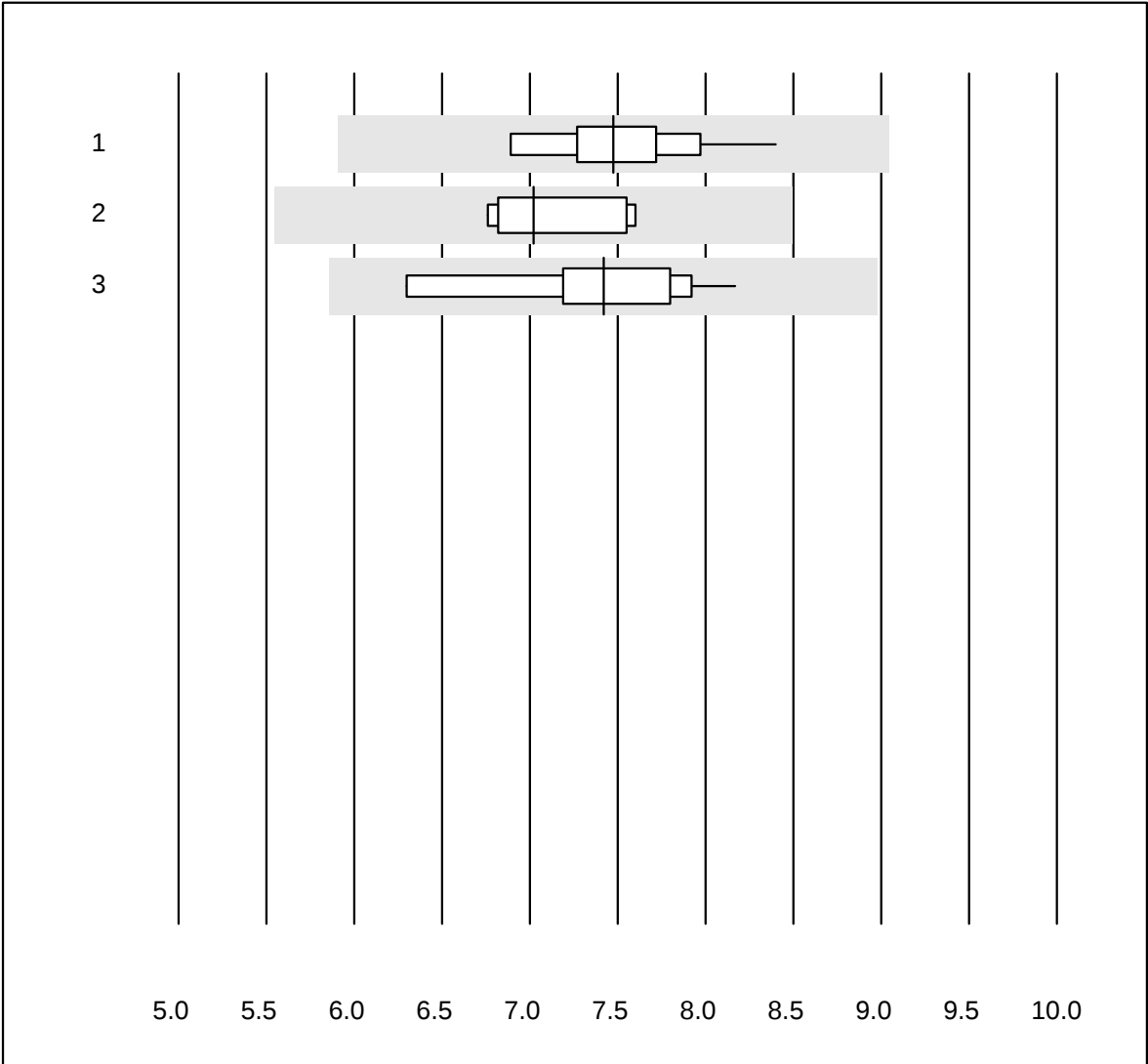


QUALAB tolerance : 18 %

Bilirubin neonatal ( $\mu\text{mol/l}$ )

| No. | Methode       | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|---------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | ABL700/800    | 14    | 100.0 | 0.0       | 0.0       | 274    | 3.9 | e    |
| 2   | Other methods | 12    | 100.0 | 0.0       | 0.0       | 293    | 2.9 | e    |

PSA



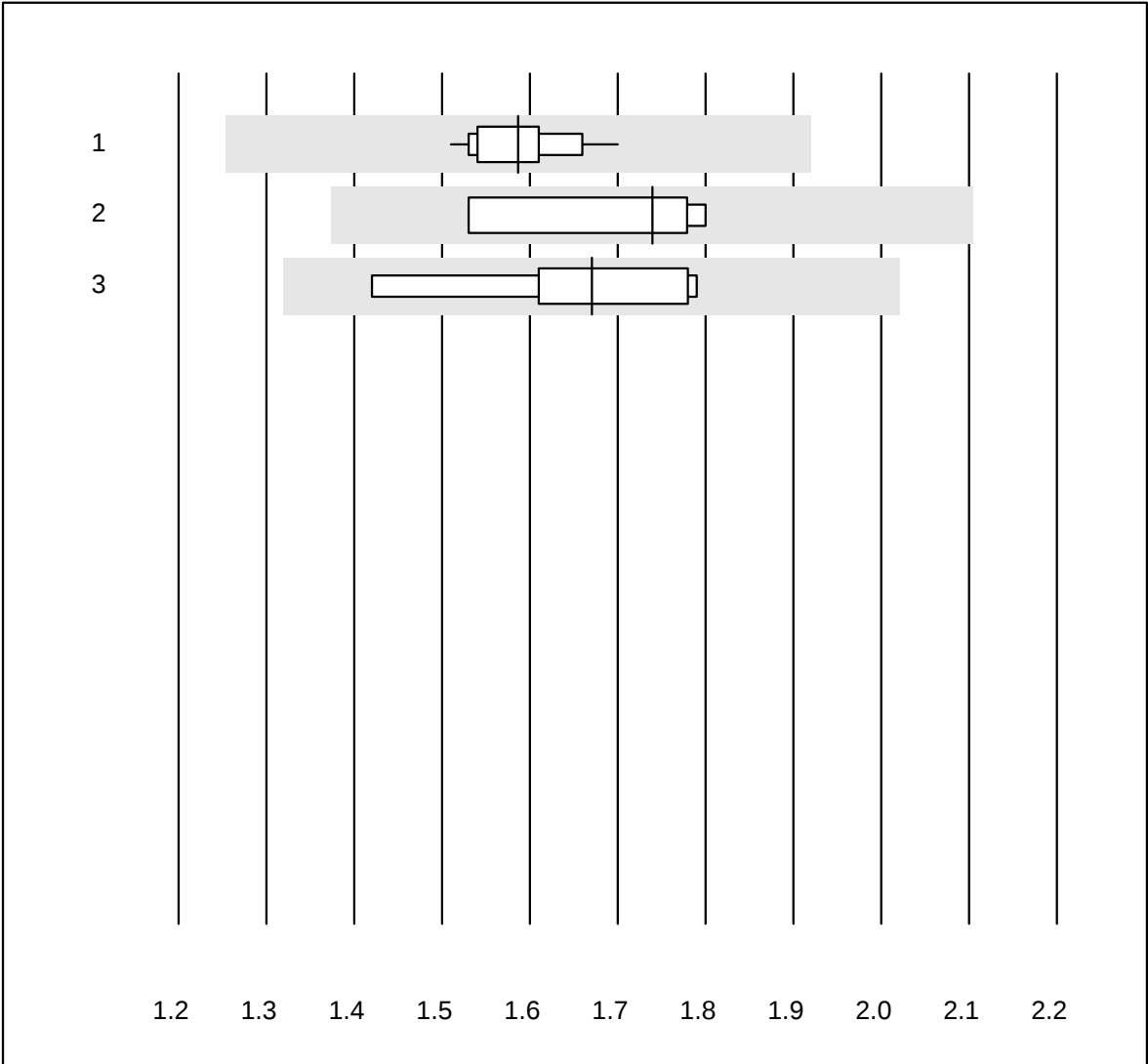
QUALAB tolerance : 21 %

PSA (µg/l)

| No.Methode |              | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|--------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Roche, Cobas | 19    | 100.0 | 0.0       | 0.0       | 7.48   | 4.9 | e    |
| 2          | Abbott       | 7     | 100.0 | 0.0       | 0.0       | 7.02   | 4.8 | e    |
| 3          | AFIAS        | 10    | 100.0 | 0.0       | 0.0       | 7.42   | 7.2 | e    |

9 additional results were submitted but not published because the method groups were too small. (< results per group)

free PSA



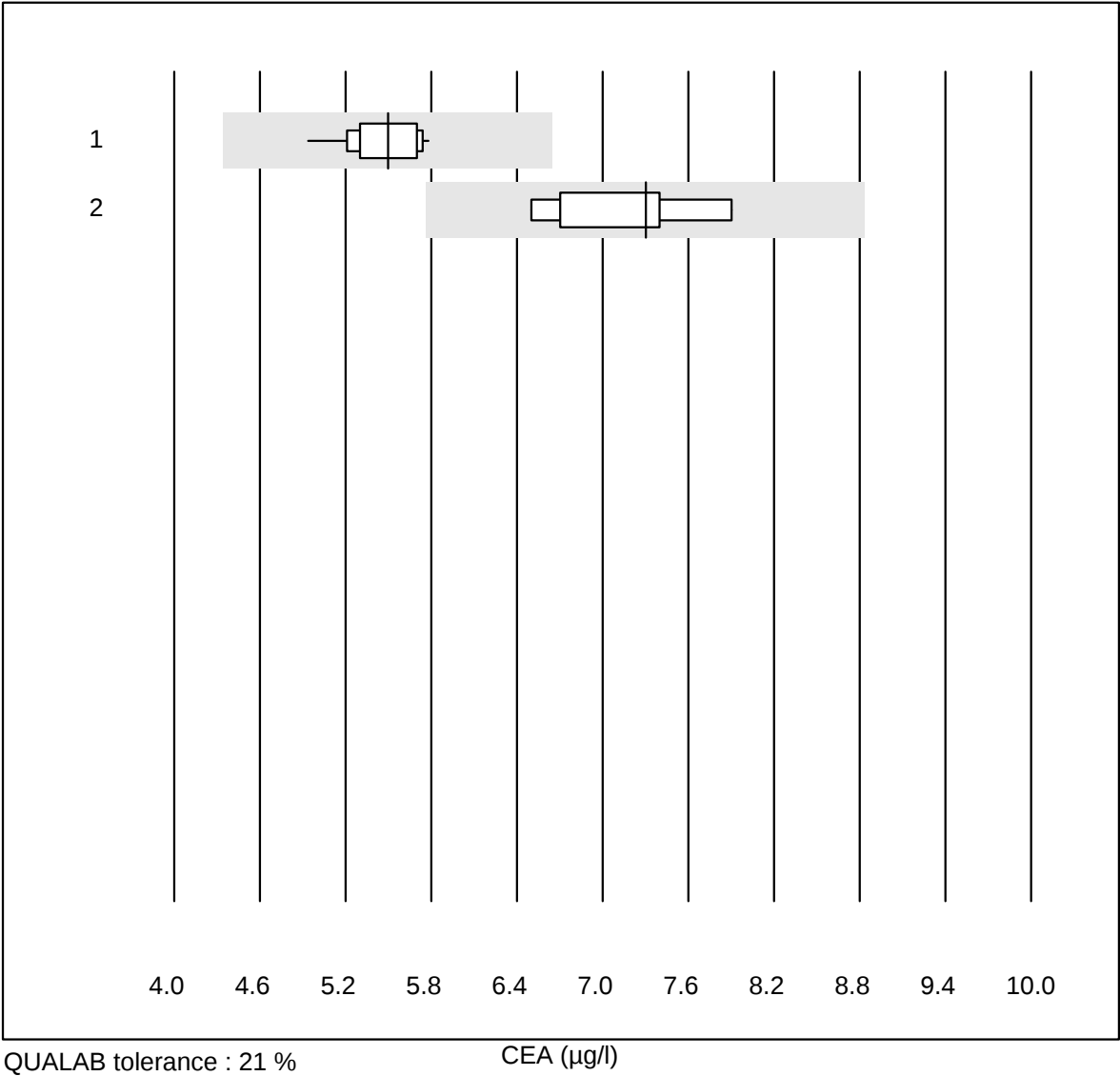
QUALAB tolerance : 21 %

free PSA (µg/l)

| No. | Methode      | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|--------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Roche, Cobas | 12    | 100.0 | 0.0       | 0.0       | 1.59   | 3.6 | e    |
| 2   | Siemens      | 4     | 100.0 | 0.0       | 0.0       | 1.74   | 7.2 | e*   |
| 3   | Abbott       | 6     | 100.0 | 0.0       | 0.0       | 1.67   | 8.2 | e*   |

2 additional results were submitted but not published because the method groups were too small. (< results per group)

CEA

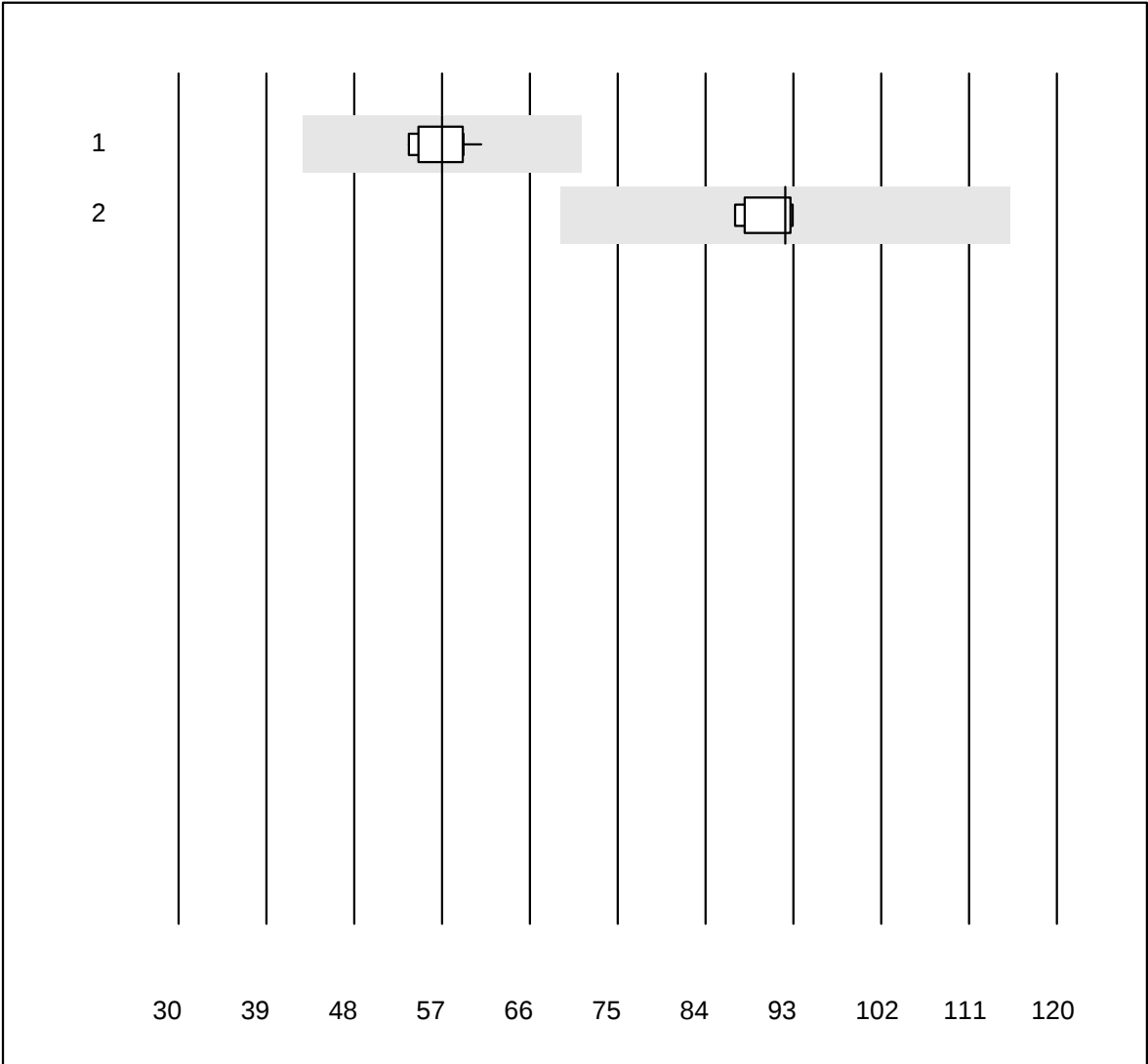


QUALAB tolerance : 21 %

| No. Methode |              | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-------------|--------------|-------|-------|-----------|-----------|--------|-----|------|
| 1           | Roche, Cobas | 14    | 100.0 | 0.0       | 0.0       | 5.5    | 4.4 | e    |
| 2           | Abbott       | 6     | 100.0 | 0.0       | 0.0       | 7.3    | 7.1 | e*   |

7 additional results were submitted but not published because the method groups were too small. (< results per group)

CA 125



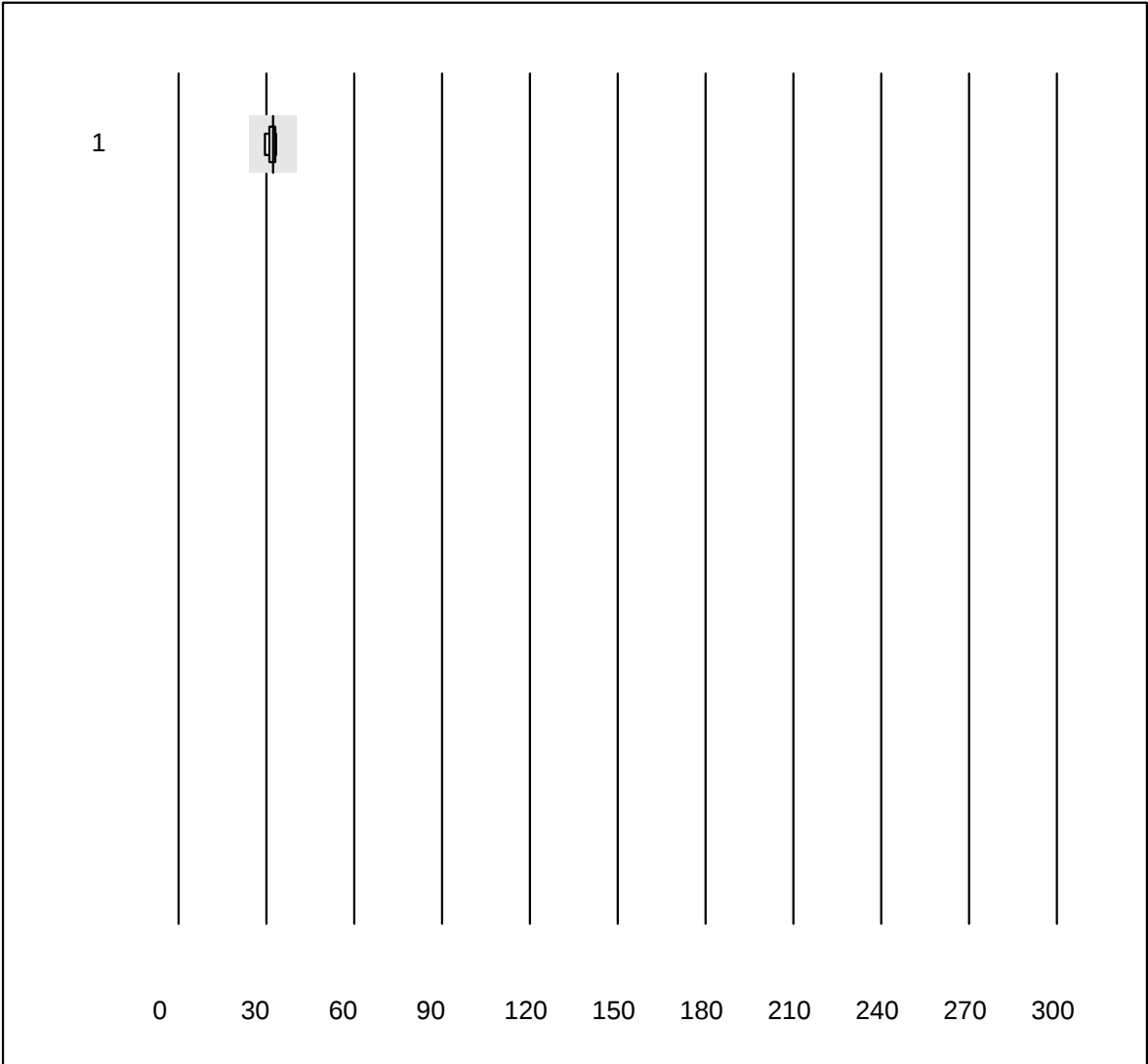
MQ tolerance : 25 %

CA 125 (kIU/l)

| No.Methode |              | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|--------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Roche, Cobas | 10    | 100.0 | 0.0       | 0.0       | 57.0   | 4.3 | e    |
| 2          | Abbott       | 6     | 100.0 | 0.0       | 0.0       | 92.2   | 2.9 | e    |

5 additional results were submitted but not published because the method groups were too small. (< results per group)

CA 19-9

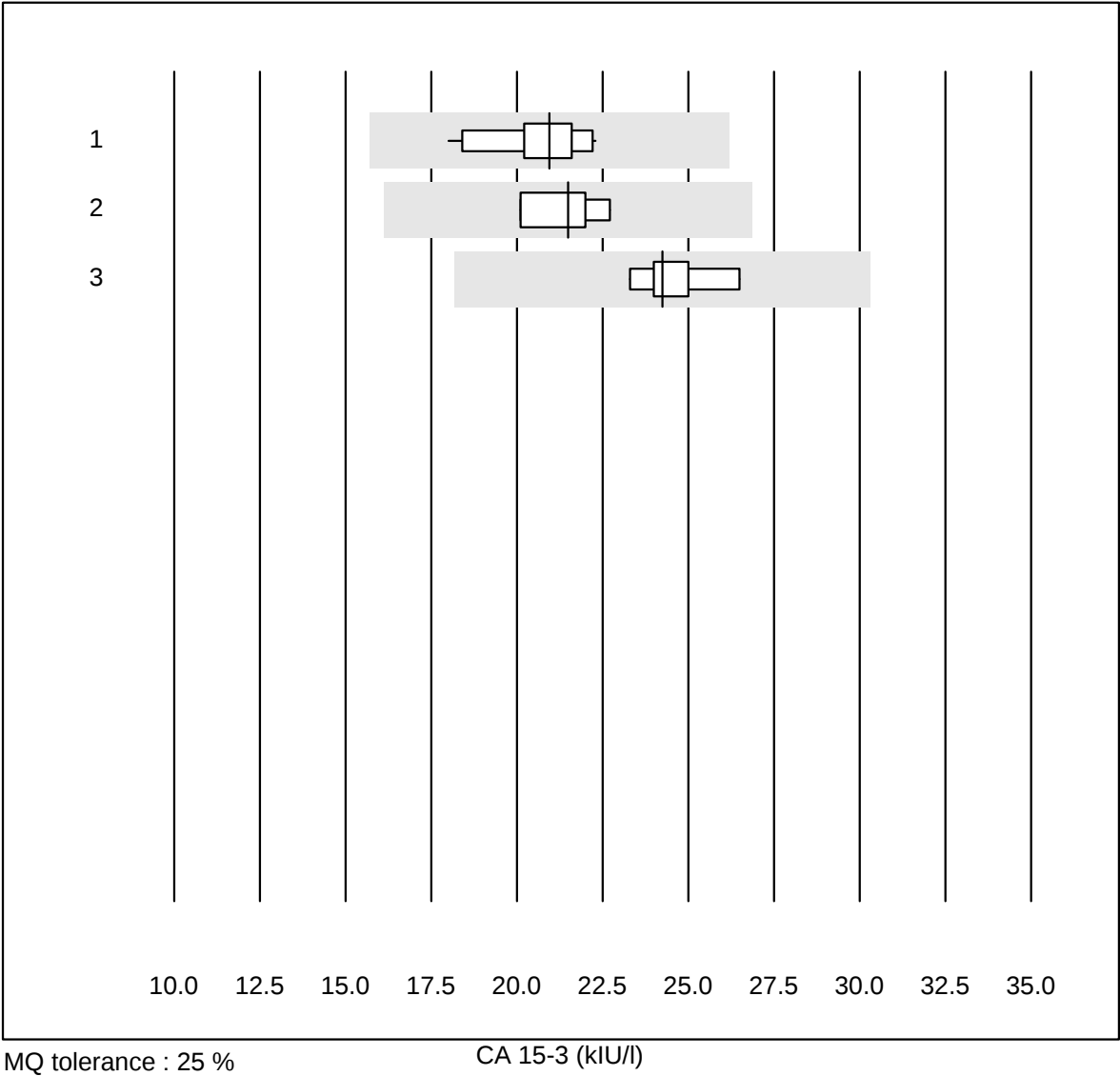


MQ tolerance : 25 %

CA 19-9 (kIU/l)

| No.                                                                                                                    | Methode      | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------------------------------------------------------------------------------------------------------------------|--------------|-------|-------|-----------|-----------|--------|-----|------|
| 1                                                                                                                      | Roche, Cobas | 9     | 100.0 | 0.0       | 0.0       | 32.3   | 4.1 | e    |
| 11 additional results were submitted but not published because the method groups were too small. (< results per group) |              |       |       |           |           |        |     |      |

CA 15-3



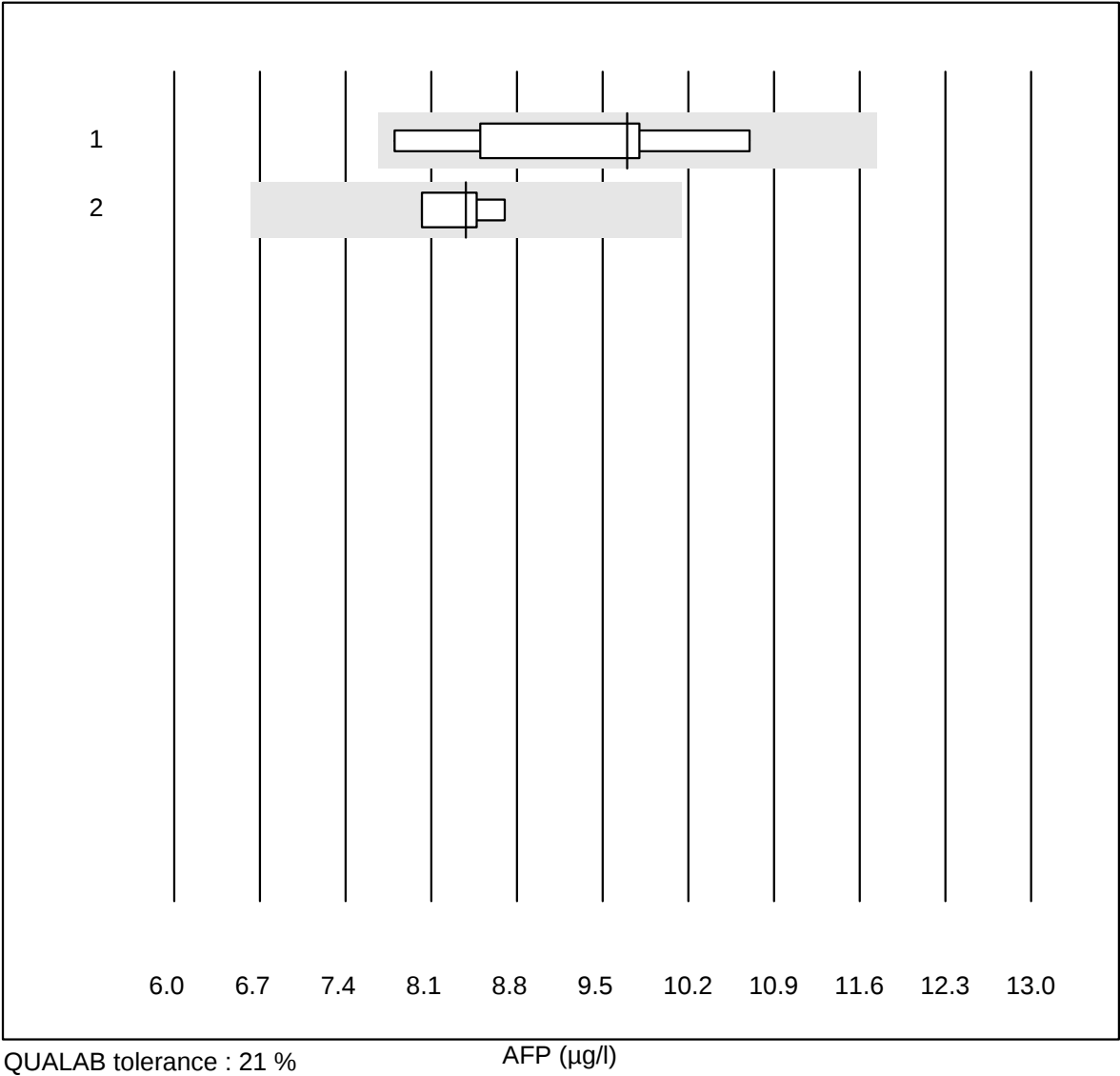
MQ tolerance : 25 %

CA 15-3 (kIU/l)

| No.Methode |              | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|--------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Roche, Cobas | 12    | 100.0 | 0.0       | 0.0       | 21.0   | 6.6 | e    |
| 2          | Siemens      | 4     | 100.0 | 0.0       | 0.0       | 21.5   | 5.3 | e    |
| 3          | Abbott       | 6     | 100.0 | 0.0       | 0.0       | 24.3   | 4.5 | e    |

4 additional results were submitted but not published because the method groups were too small. (< results per group)

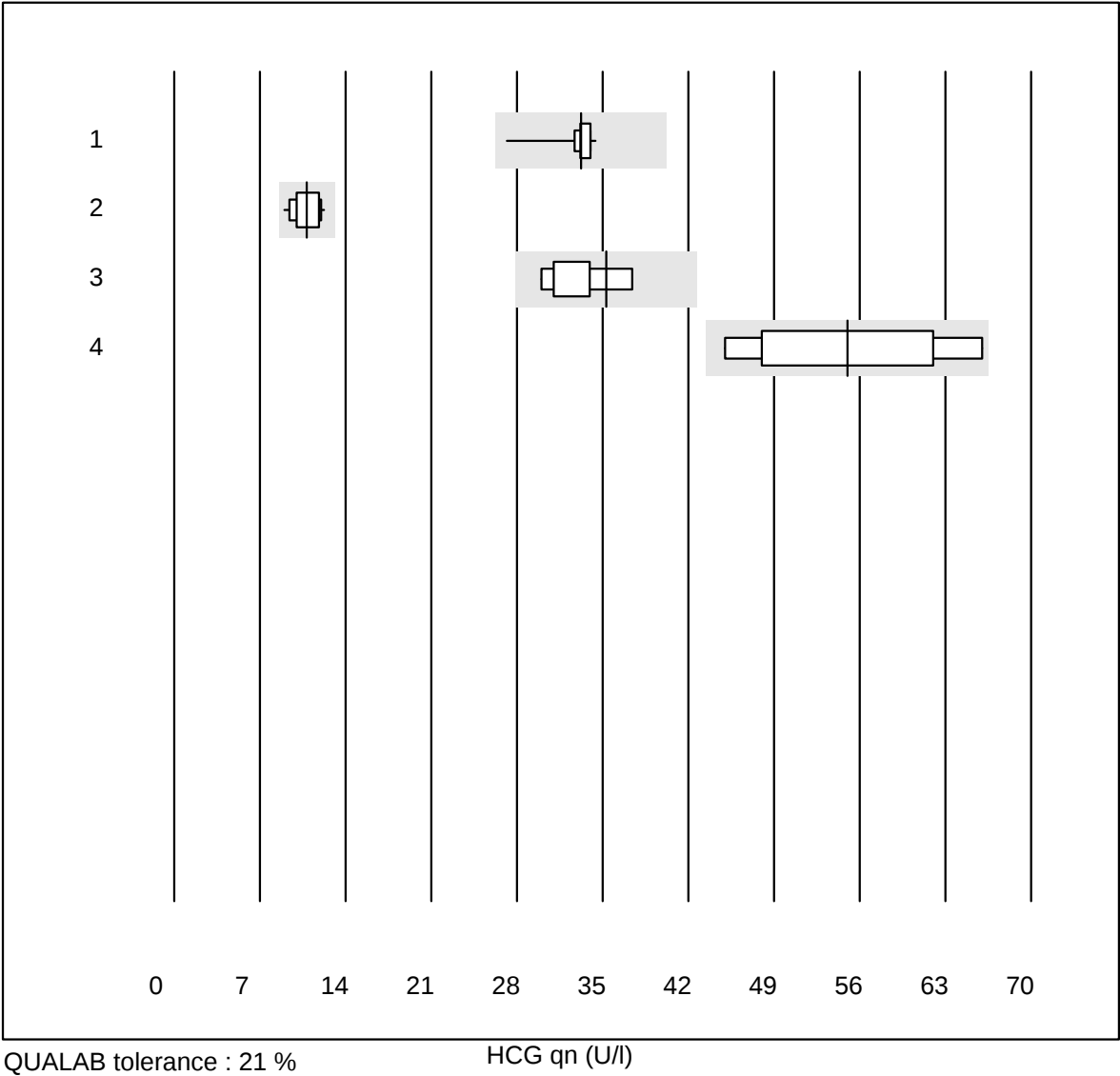
AFP



| No.Methode |              | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|--------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Roche, Cobas | 8     | 100.0 | 0.0       | 0.0       | 9.7    | 9.6 | e*   |
| 2          | Abbott       | 4     | 100.0 | 0.0       | 0.0       | 8.4    | 3.4 | e    |

7 additional results were submitted but not published because the method groups were too small. (< results per group)

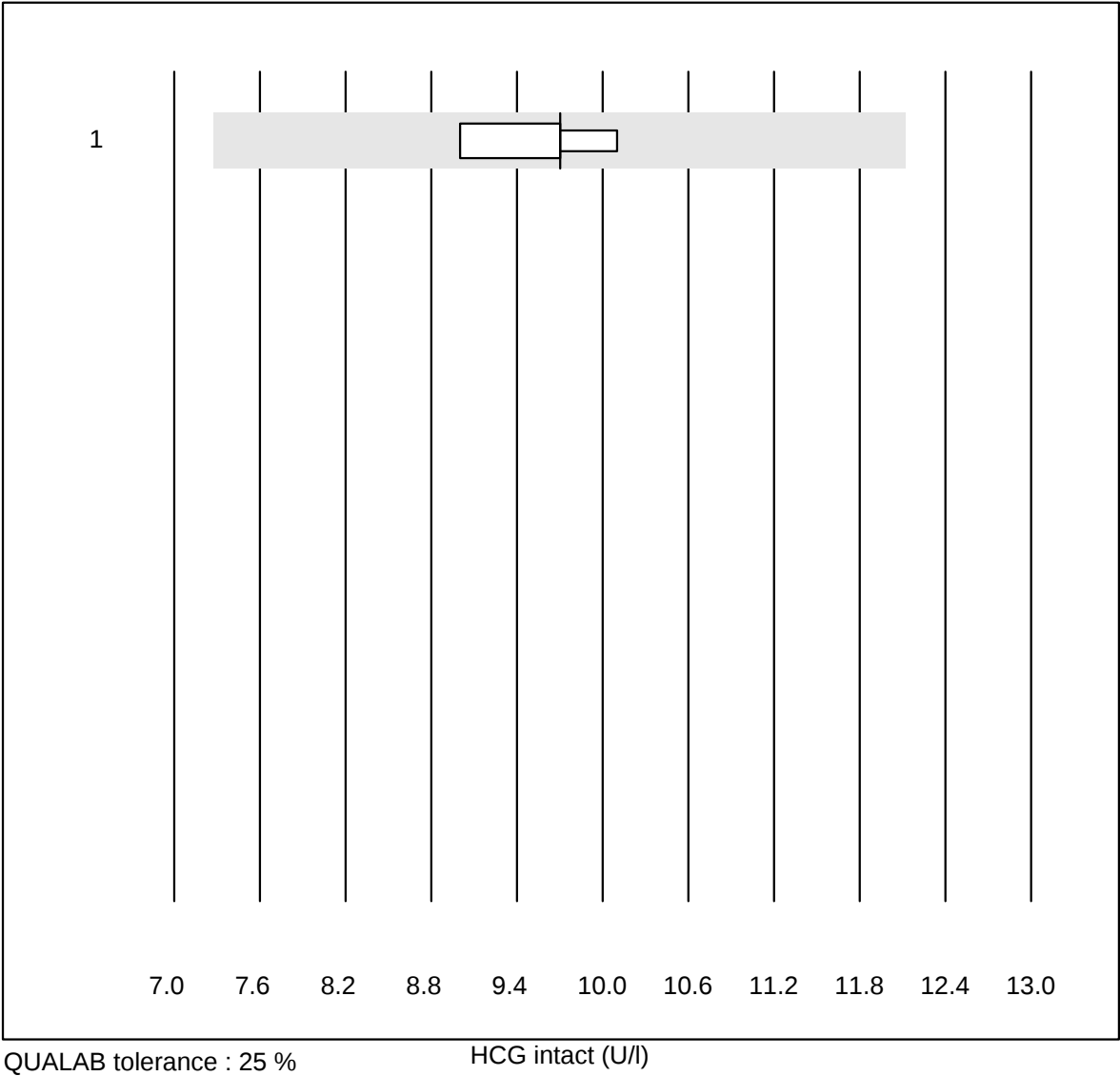
HCG qn



| No. Methode |              | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-------------|--------------|-------|-------|-----------|-----------|--------|------|------|
| 1           | Roche, Cobas | 17    | 100.0 | 0.0       | 0.0       | 33.2   | 4.9  | e    |
| 2           | VIDAS        | 11    | 100.0 | 0.0       | 0.0       | 10.8   | 10.1 | e*   |
| 3           | Abbott       | 6     | 100.0 | 0.0       | 0.0       | 35.3   | 8.5  | d    |
| 4           | AFIAS        | 7     | 100.0 | 0.0       | 0.0       | 55.0   | 13.5 | e*   |

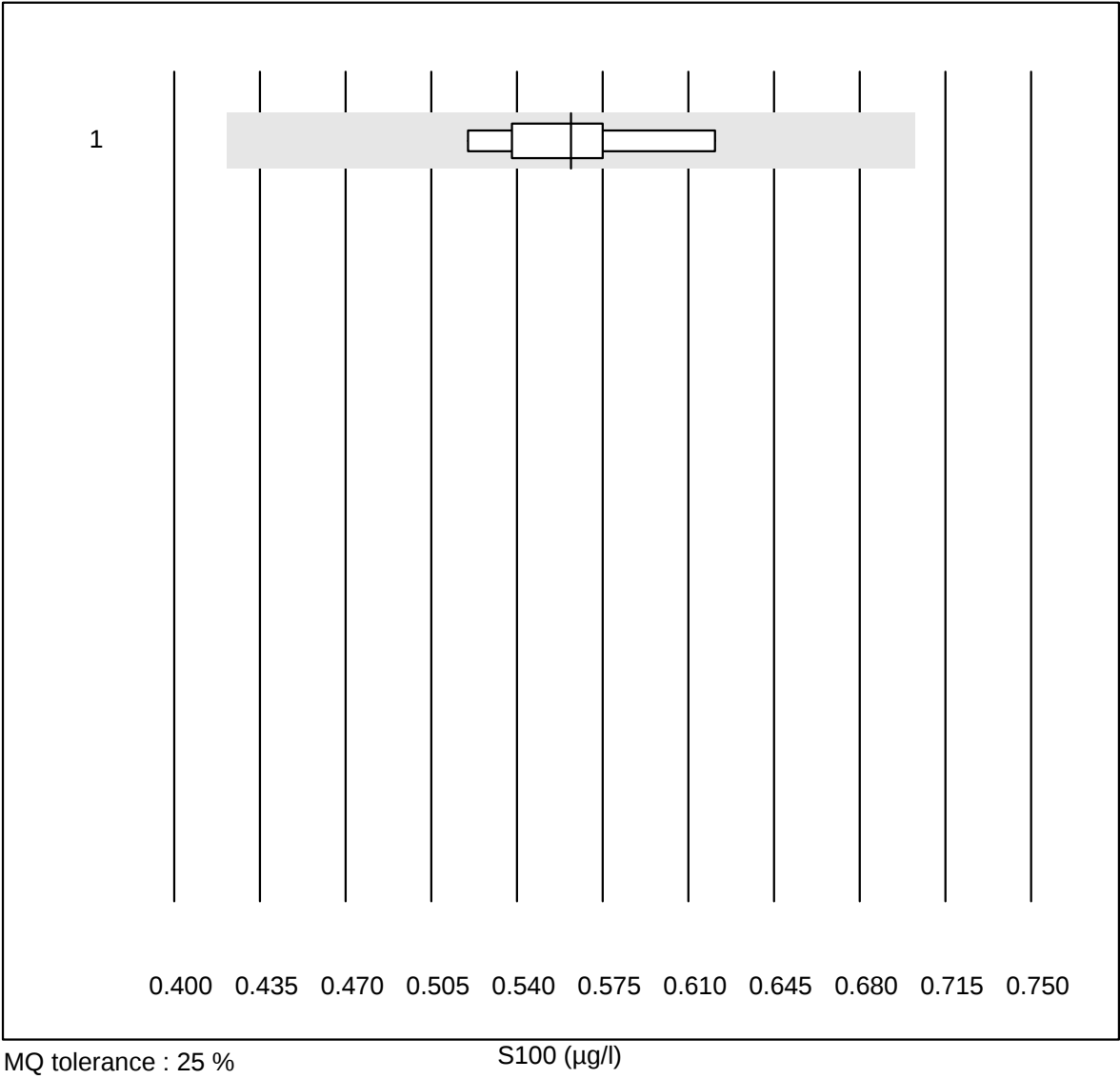
8 additional results were submitted but not published because the method groups were too small. (< results per group)

HCG intact



| No.Methode |       | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|-------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Cobas | 5     | 100.0 | 0.0       | 0.0       | 9.7    | 5.1 | e    |

S100

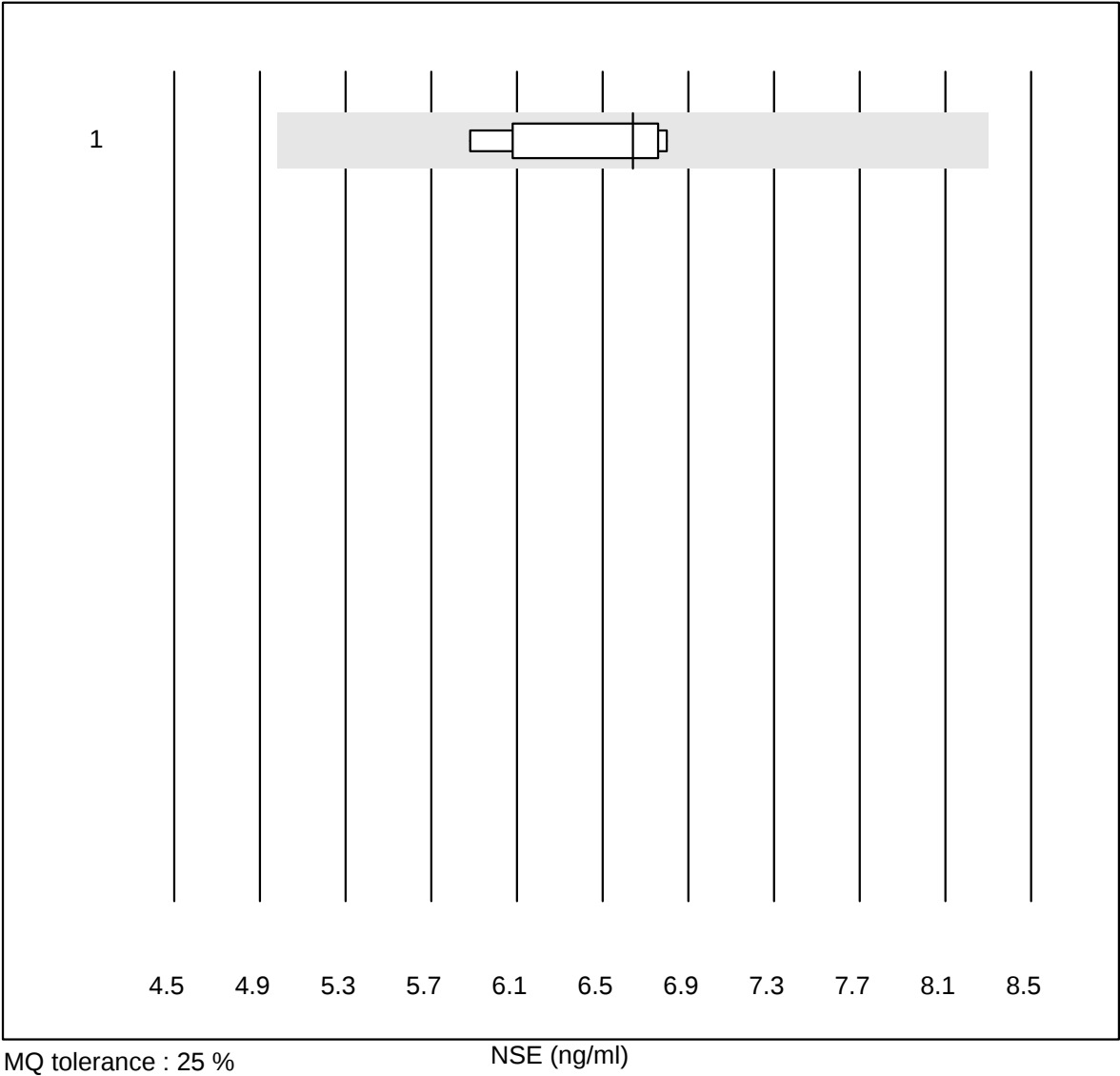


MQ tolerance : 25 %

S100 (µg/l)

| No.Methode |              | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|--------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Roche, Cobas | 6     | 100.0 | 0.0       | 0.0       | 0.56   | 6.3 | e    |

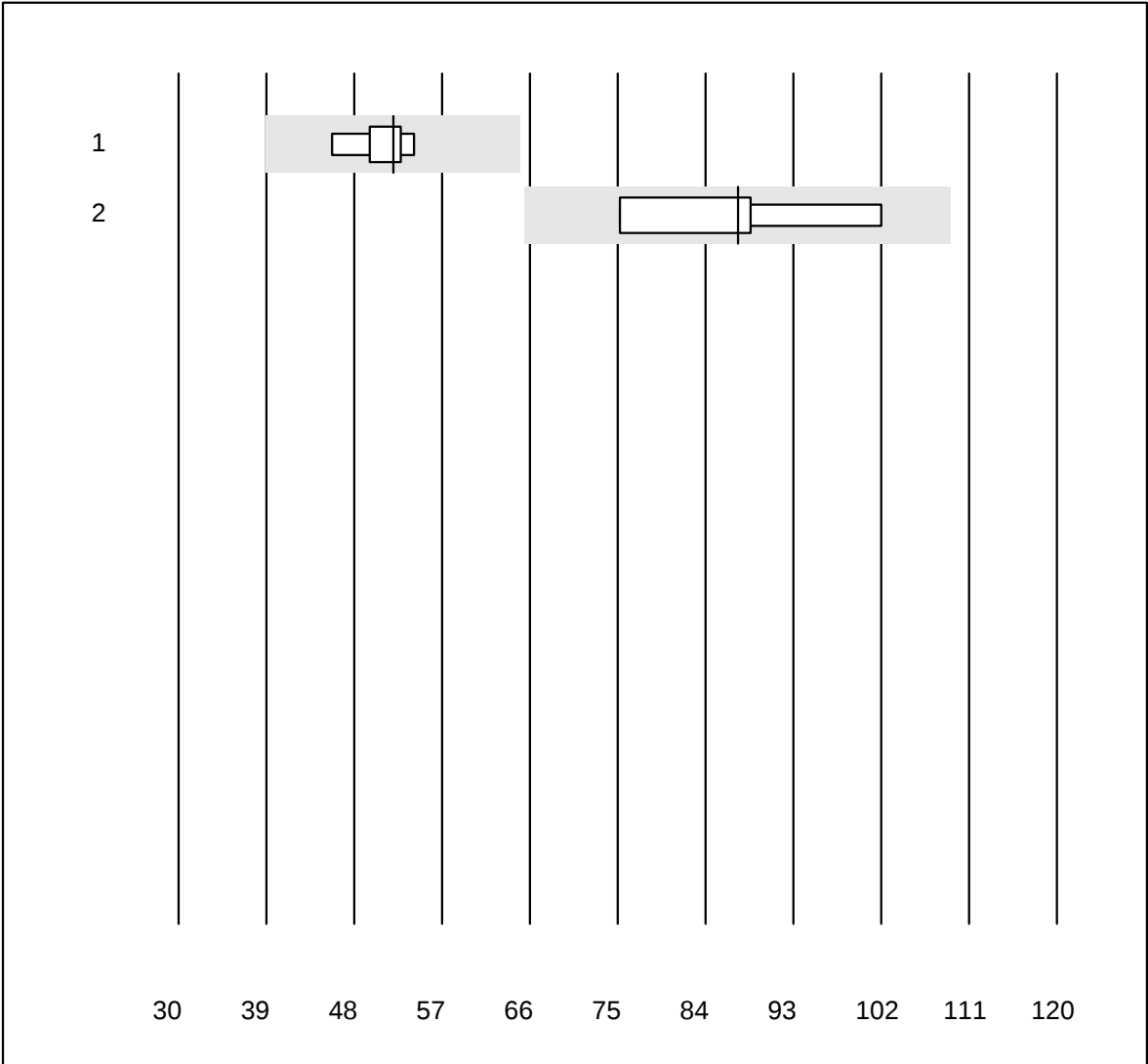
NSE



MQ tolerance : 25 %

| No.                                                                                                        | Methode      | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------------------------------------------------------------------------------------------------------|--------------|-------|-------|-----------|-----------|--------|-----|------|
| 1                                                                                                          | Roche, Cobas | 5     | 100.0 | 0.0       | 0.0       | 6.6    | 6.6 | e    |
| One result was submitted but not published because the method group was too small. (< 4 results per group) |              |       |       |           |           |        |     |      |

Thyreoglobulin

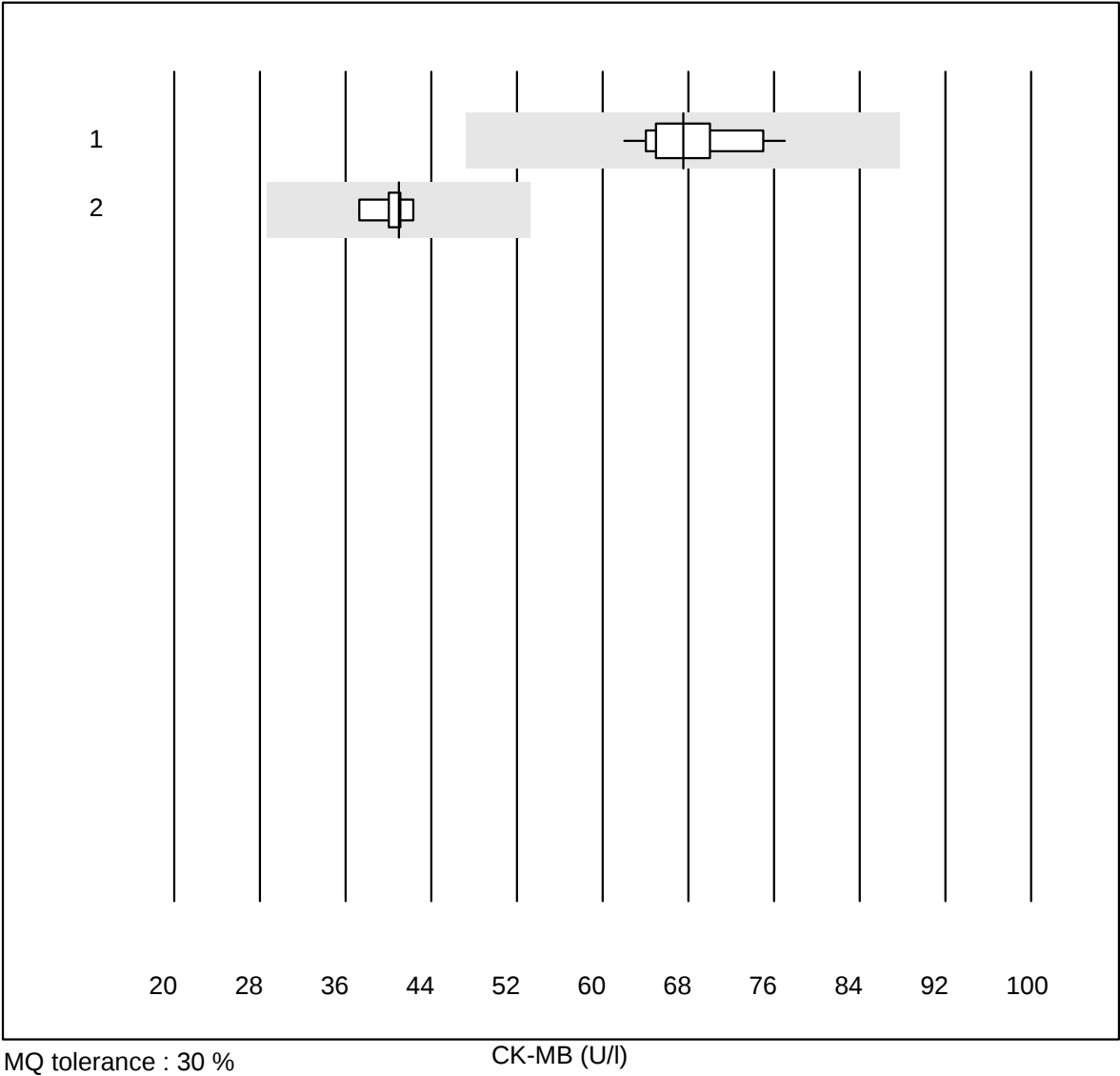


MQ tolerance : 25 %

Thyreoglobulin (µg/l)

| No.Methode |               | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------|---------------|-------|-------|-----------|-----------|--------|------|------|
| 1          | Roche, Cobas  | 5     | 100.0 | 0.0       | 0.0       | 52.0   | 6.5  | e    |
| 2          | Other methods | 4     | 100.0 | 0.0       | 0.0       | 87.3   | 12.5 | e*   |

CK-MB

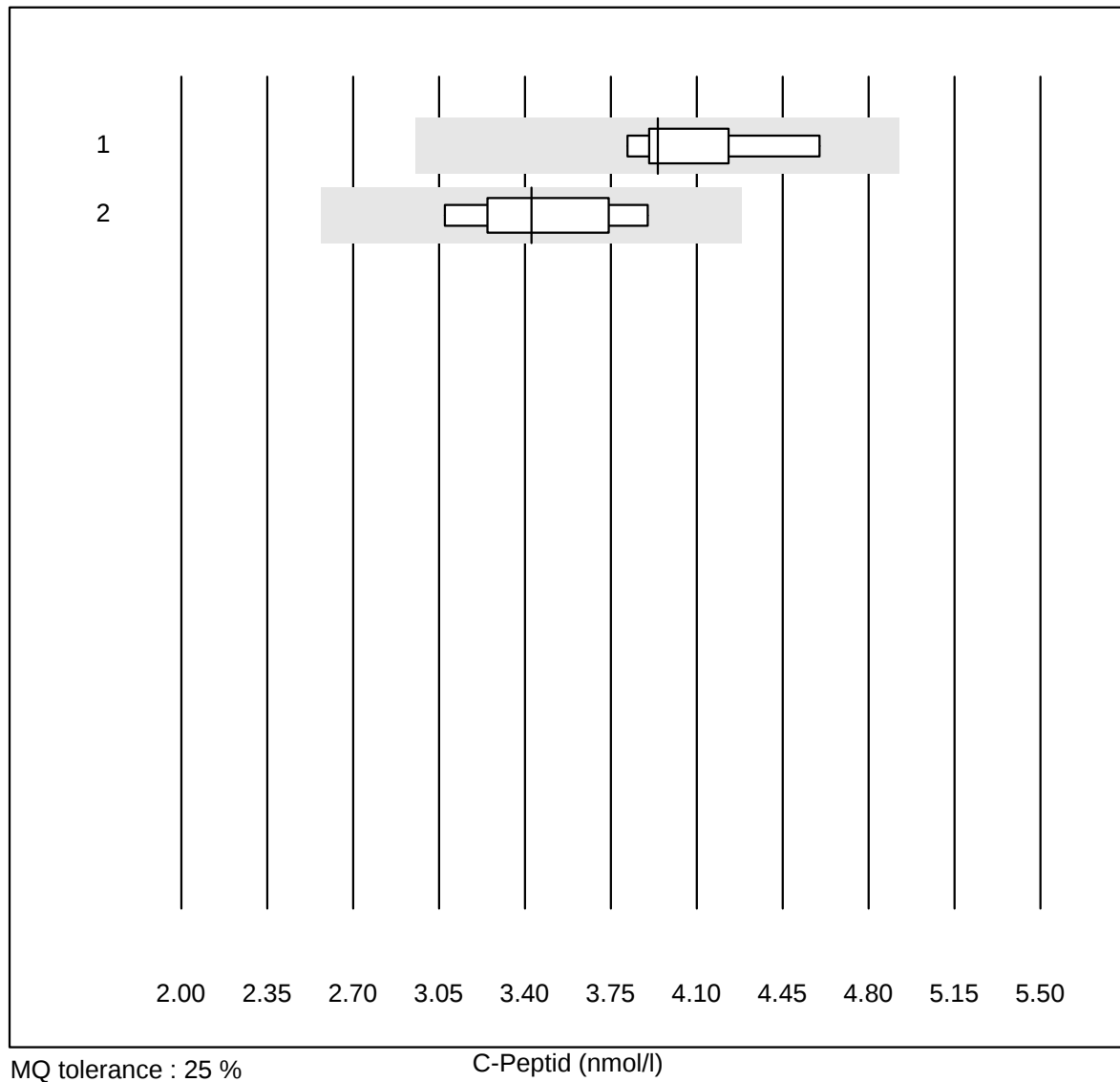


MQ tolerance : 30 %

CK-MB (U/l)

| No. Methode |               | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-------------|---------------|-------|-------|-----------|-----------|--------|-----|------|
| 1           | Fuji Dri-Chem | 19    | 100.0 | 0.0       | 0.0       | 67.5   | 6.1 | e    |
| 2           | Cobas/Roche   | 7     | 85.7  | 0.0       | 14.3      | 41.0   | 4.2 | e    |

2 additional results were submitted but not published because the method groups were too small. (< results per group)

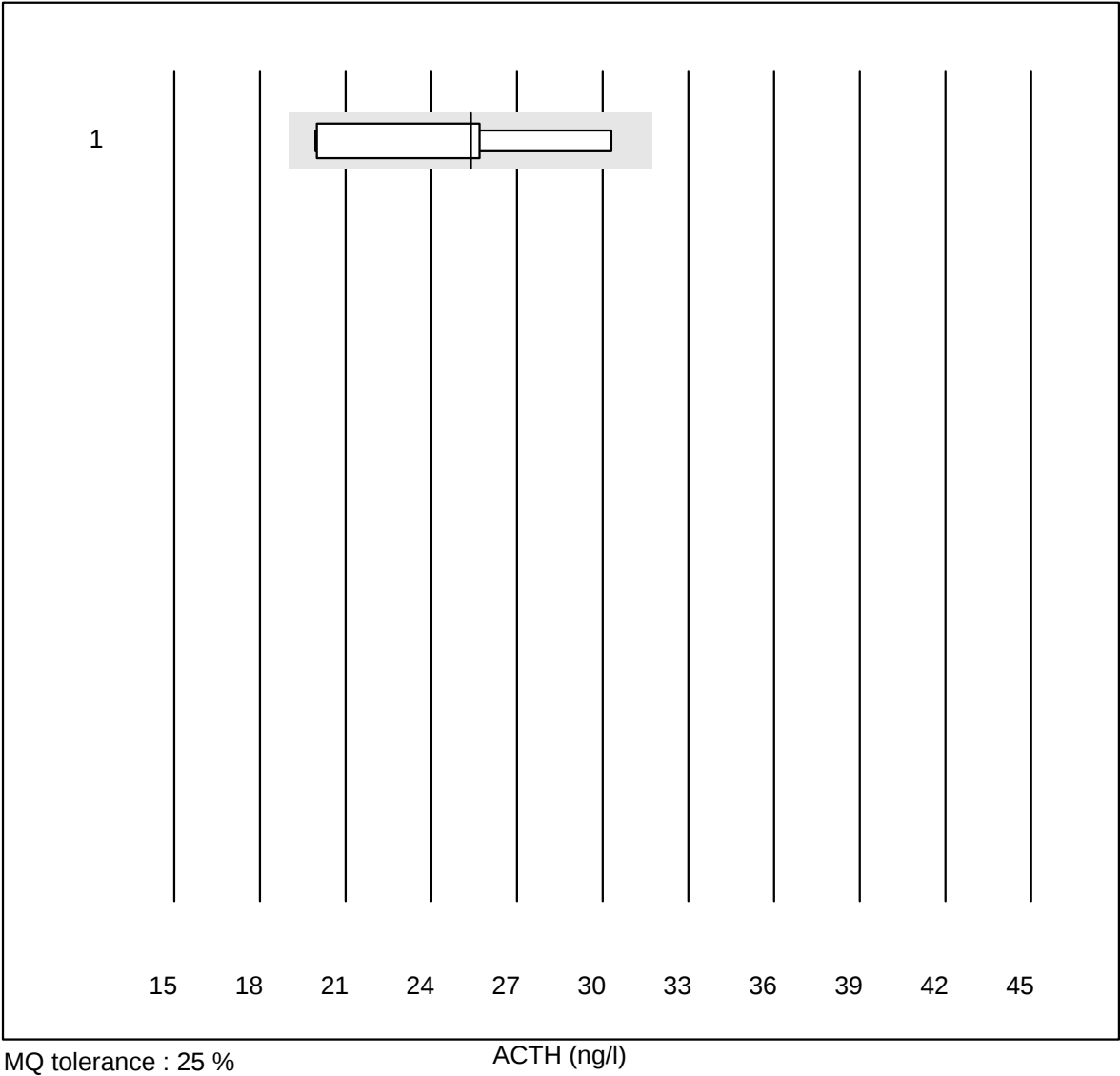
**C-Peptid**

MQ tolerance : 25 %

C-Peptid (nmol/l)

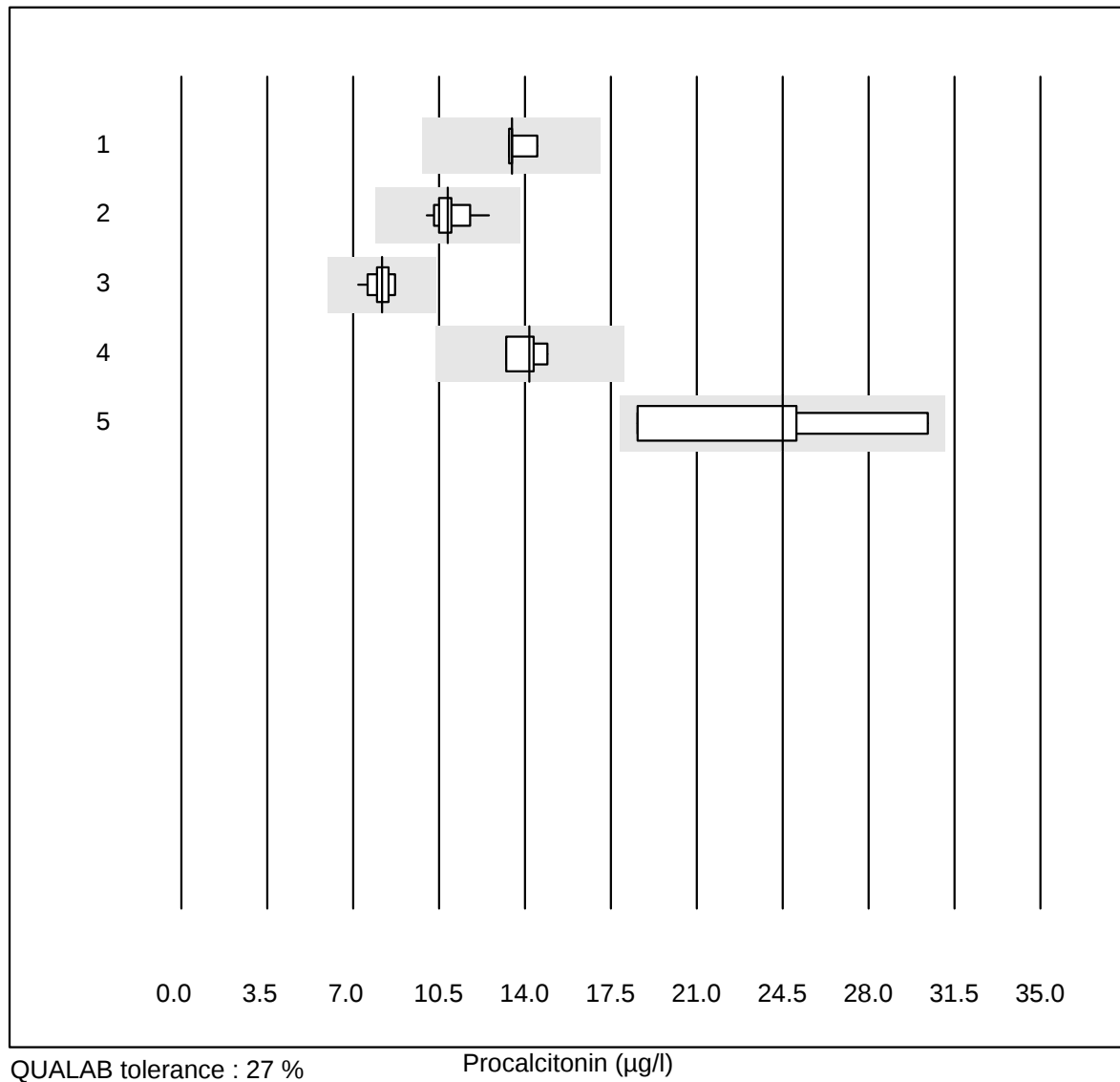
| No. Methode |               | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-------------|---------------|-------|-------|-----------|-----------|--------|-----|------|
| 1           | Roche, Cobas  | 7     | 85.7  | 0.0       | 14.3      | 3.94   | 7.1 | e    |
| 2           | Other methods | 5     | 100.0 | 0.0       | 0.0       | 3.43   | 9.8 | e*   |

ACTH



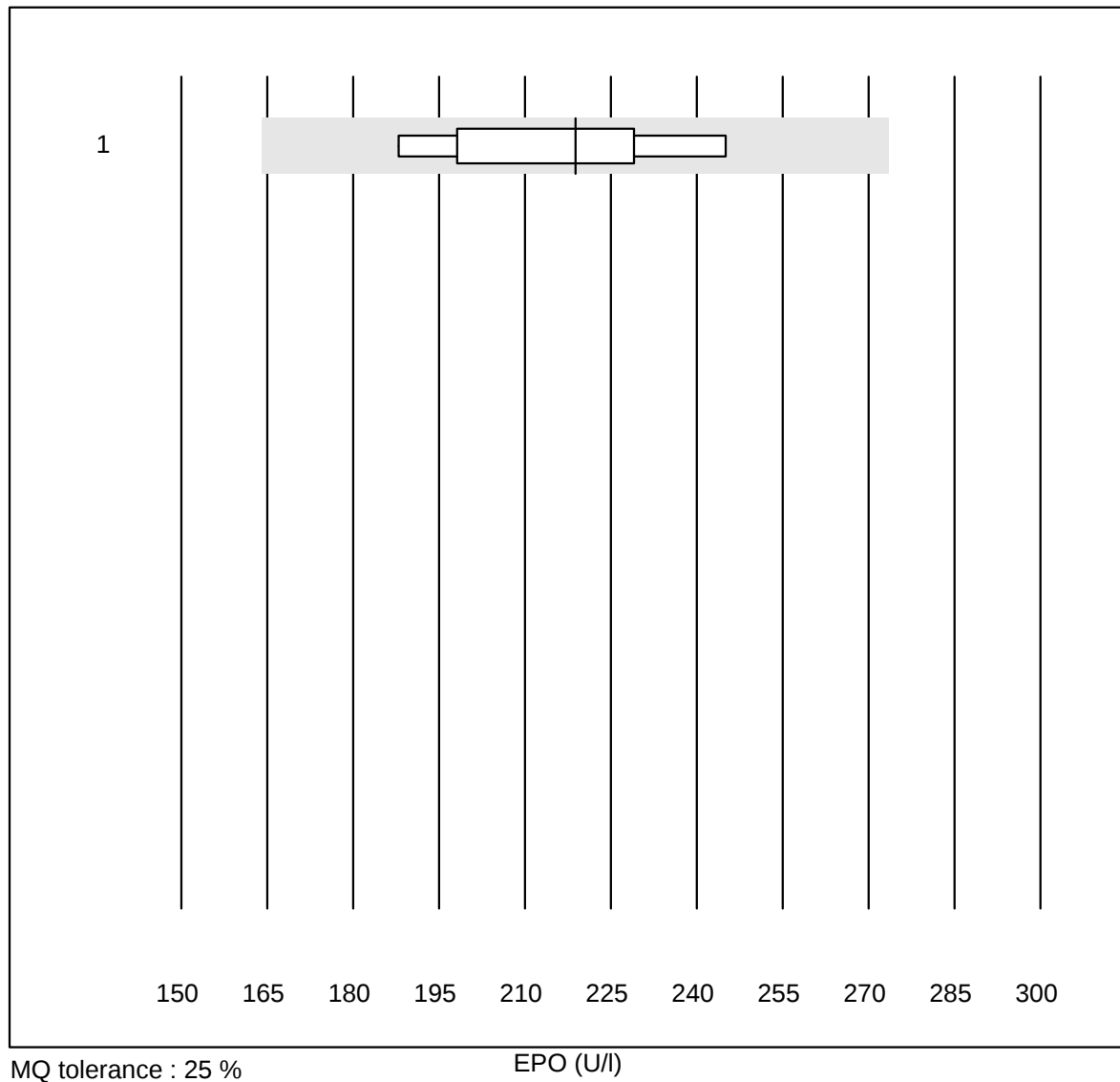
| No.                                                                                                                   | Methode      | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----------------------------------------------------------------------------------------------------------------------|--------------|-------|-------|-----------|-----------|--------|------|------|
| 1                                                                                                                     | Roche, Cobas | 8     | 100.0 | 0.0       | 0.0       | 25.39  | 13.7 | e*   |
| 3 additional results were submitted but not published because the method groups were too small. (< results per group) |              |       |       |           |           |        |      |      |

## Procalcitonin



| No. | Methode             | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----|---------------------|-------|-------|-----------|-----------|--------|------|------|
| 1   | Abbott              | 4     | 100.0 | 0.0       | 0.0       | 13.46  | 4.0  | e    |
| 2   | Cobas               | 19    | 100.0 | 0.0       | 0.0       | 10.86  | 5.2  | e    |
| 3   | VIDAS               | 15    | 100.0 | 0.0       | 0.0       | 8.18   | 5.2  | e    |
| 4   | ADVIA Centaur XP/CP | 4     | 100.0 | 0.0       | 0.0       | 14.19  | 4.9  | e    |
| 5   | Other methods       | 4     | 100.0 | 0.0       | 0.0       | 24.50  | 20.9 | a    |

6 additional results were submitted but not published because the method groups were too small. (< results per group)

**EPO**

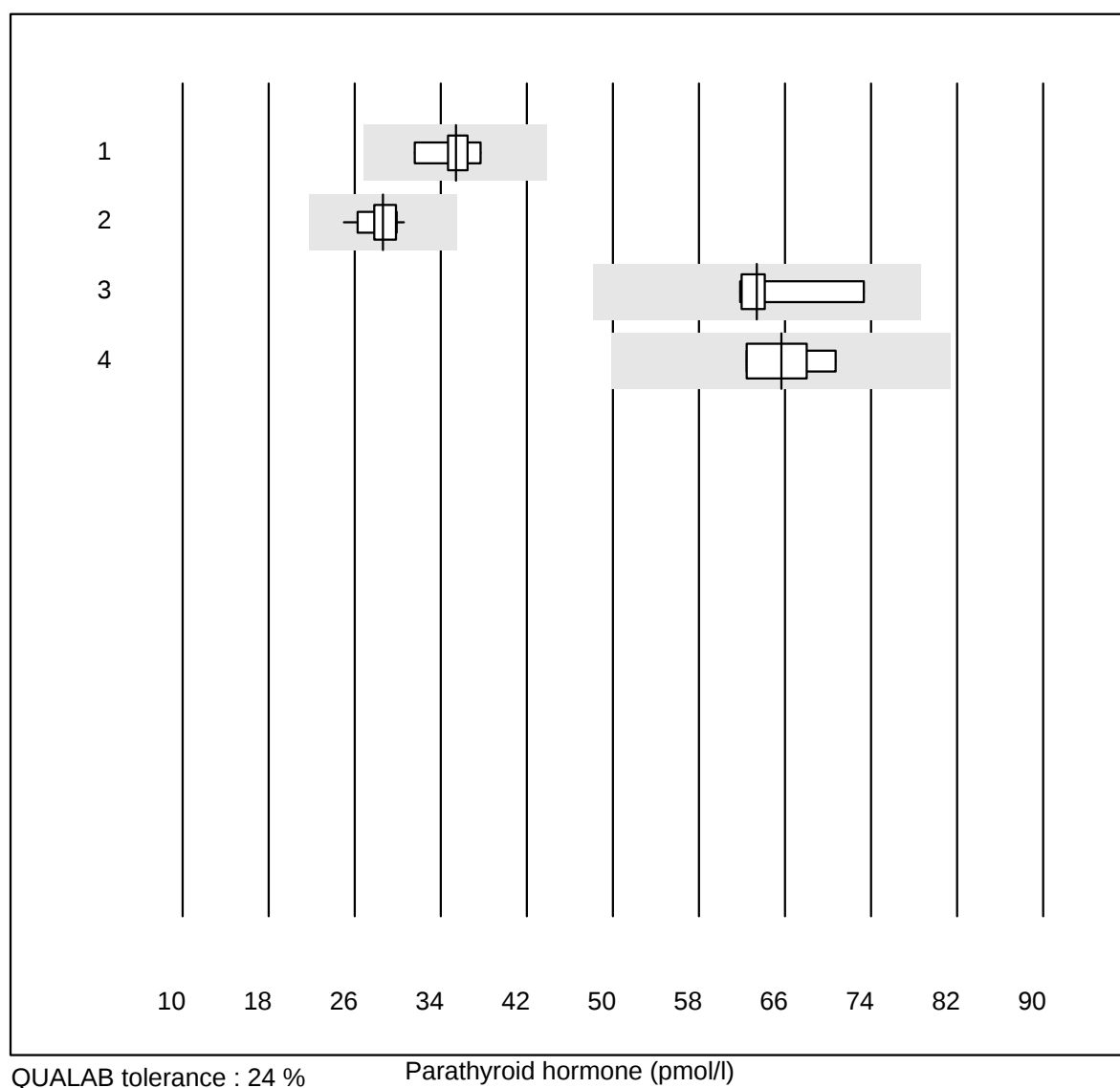
MQ tolerance : 25 %

EPO (U/l)

| No. | Methode       | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----|---------------|-------|-------|-----------|-----------|--------|------|------|
| 1   | Other methods | 5     | 100.0 | 0.0       | 0.0       | 218.9  | 10.7 | e*   |

2 additional results were submitted but not published because the method groups were too small. (< results per group)

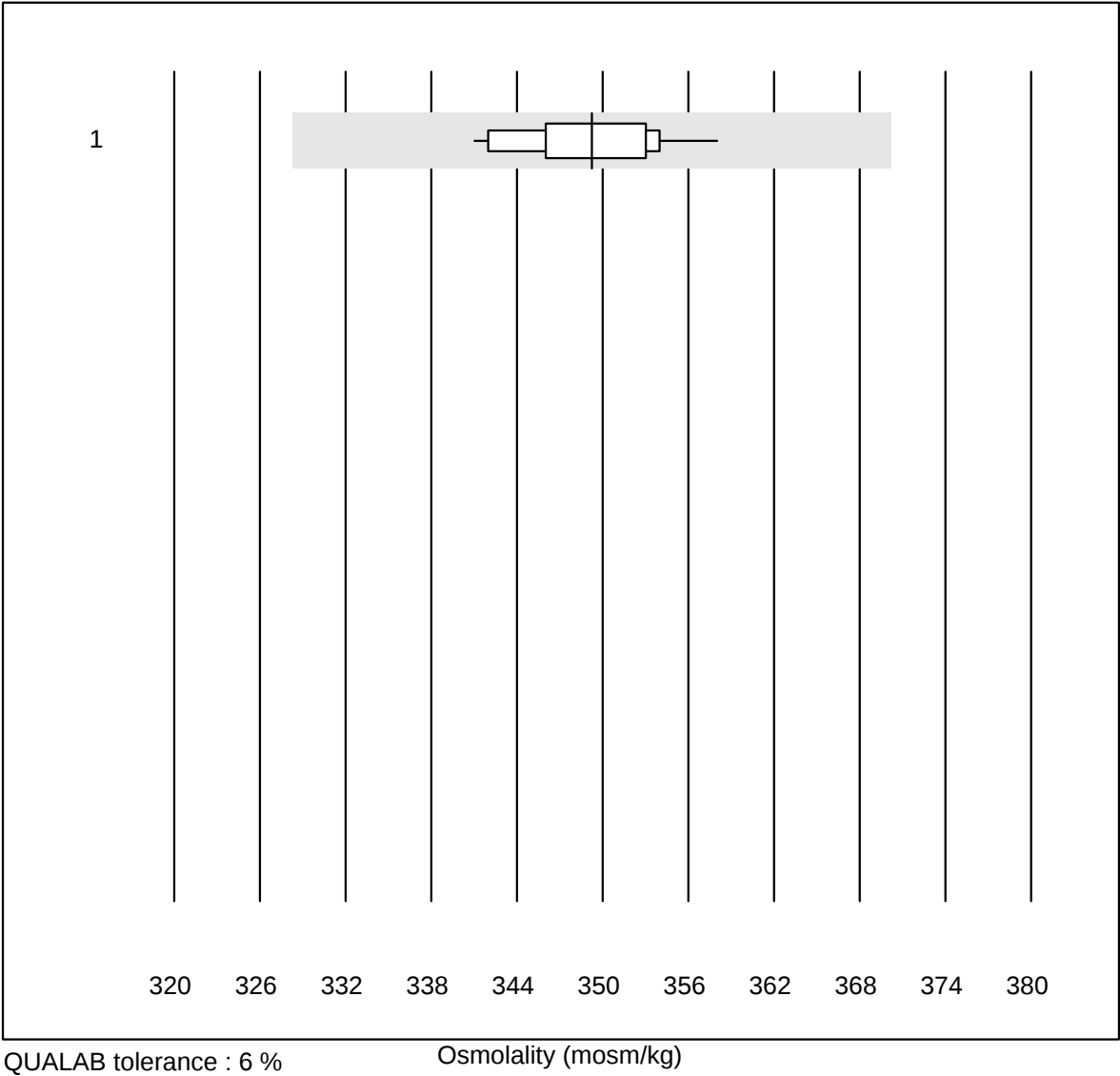
## Parathyroid hormone



| No. | Methode             | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|---------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Cobas PTH STAT      | 9     | 100.0 | 0.0       | 0.0       | 35.4   | 5.2 | e    |
| 2   | Cobas               | 15    | 100.0 | 0.0       | 0.0       | 28.6   | 5.5 | e    |
| 3   | Abbott              | 6     | 100.0 | 0.0       | 0.0       | 63.4   | 6.7 | e    |
| 4   | ADVIA Centaur XP/CP | 4     | 100.0 | 0.0       | 0.0       | 65.6   | 5.9 | e*   |

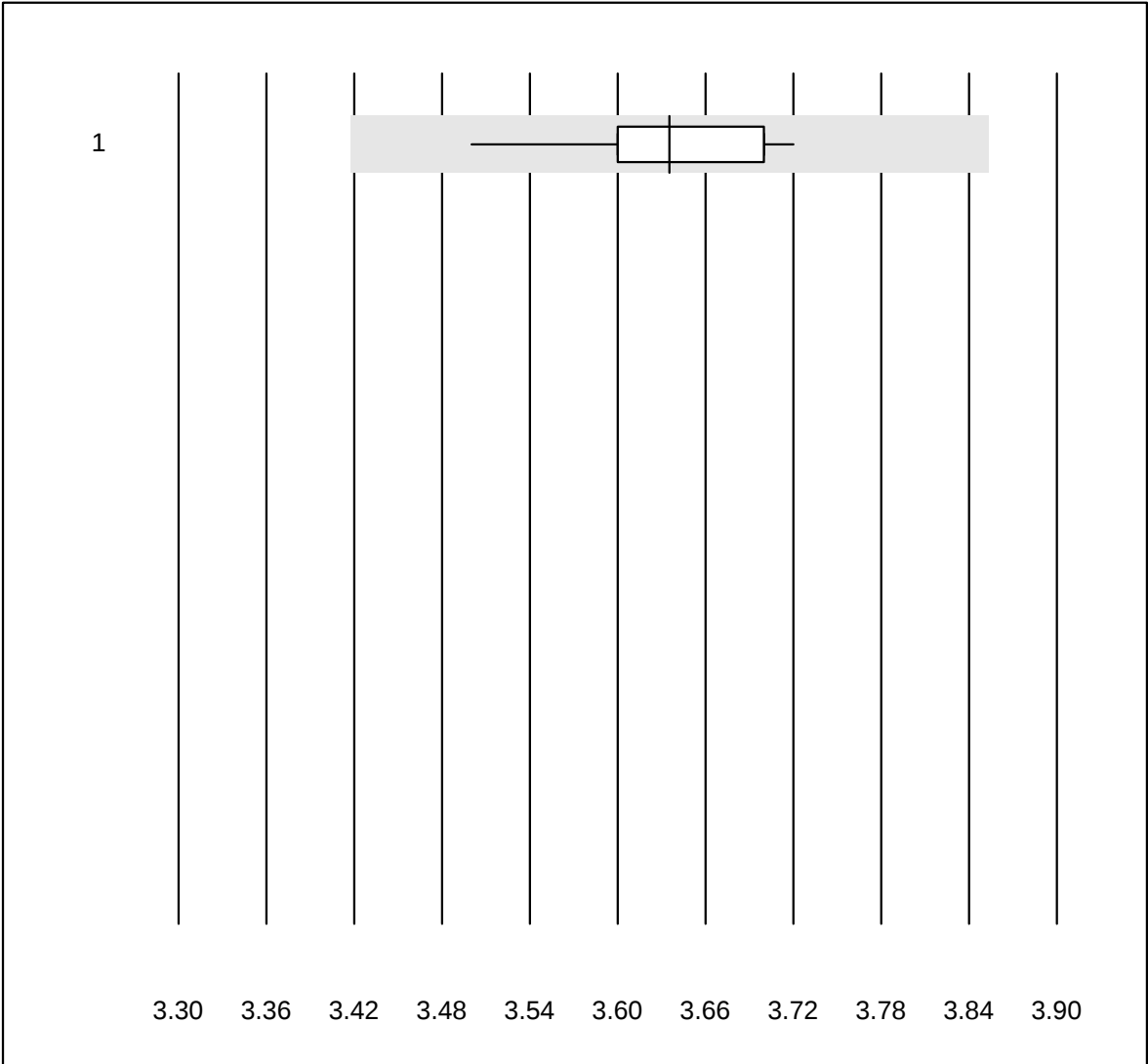
5 additional results were submitted but not published because the method groups were too small. (< results per group)

Osmolality



| No. | Methode   | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|-----------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Cryoskopy | 22    | 100.0 | 0.0       | 0.0       | 349    | 1.4 | e    |

Potassium-K22

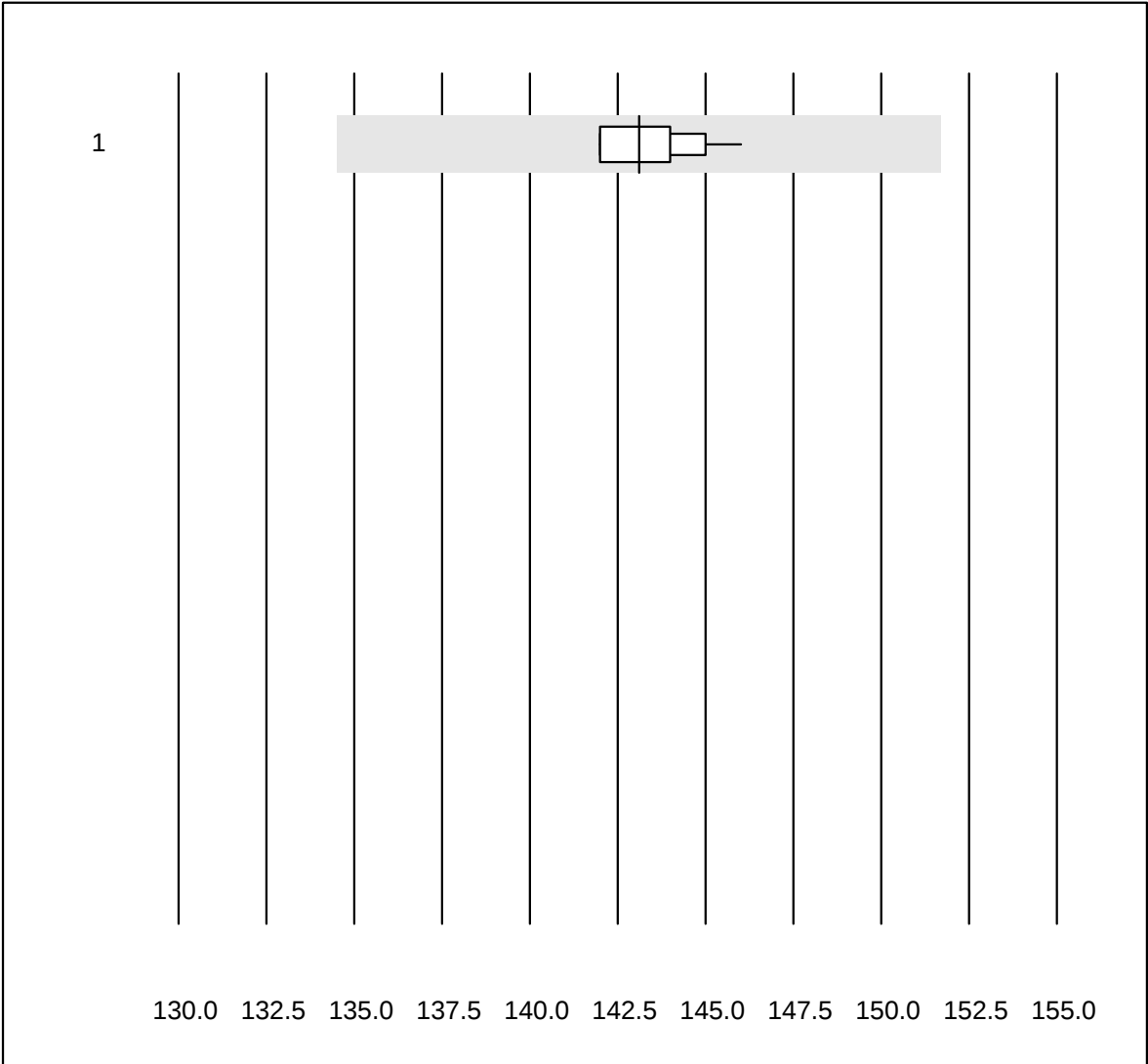


QUALAB tolerance : 6 %

Potassium-K22 (mmol/l)

| No. | Methode | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|---------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | ISE     | 11    | 100.0 | 0.0       | 0.0       | 3.6    | 1.9 | e    |

Sodium-K22

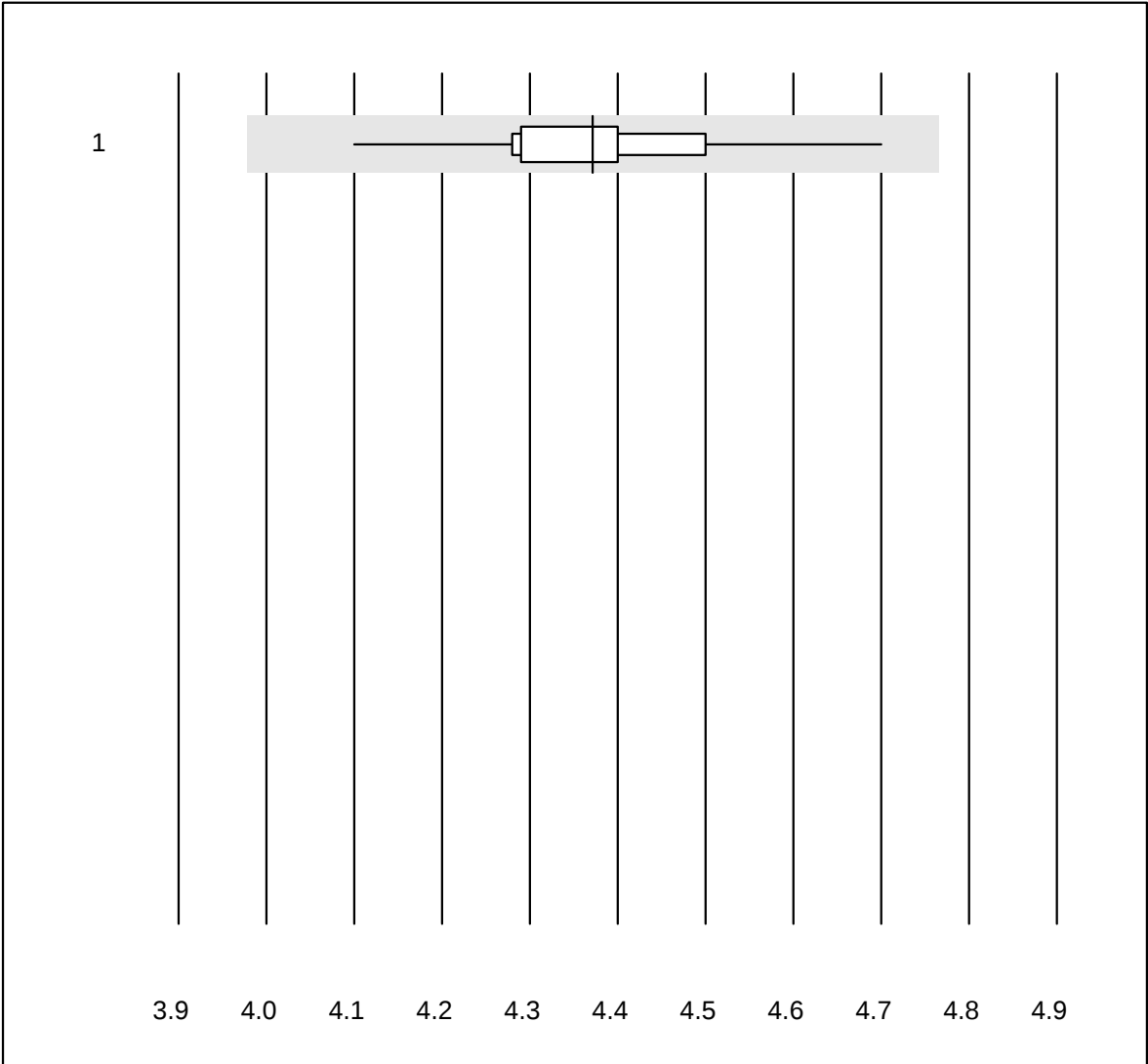


QUALAB tolerance : 6 %

Sodium-K22 (mmol/l)

| No.Methode |     | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|-----|-------|-------|-----------|-----------|--------|-----|------|
| 1          | ISE | 11    | 100.0 | 0.0       | 0.0       | 143    | 0.9 | e    |

Glucose-K22

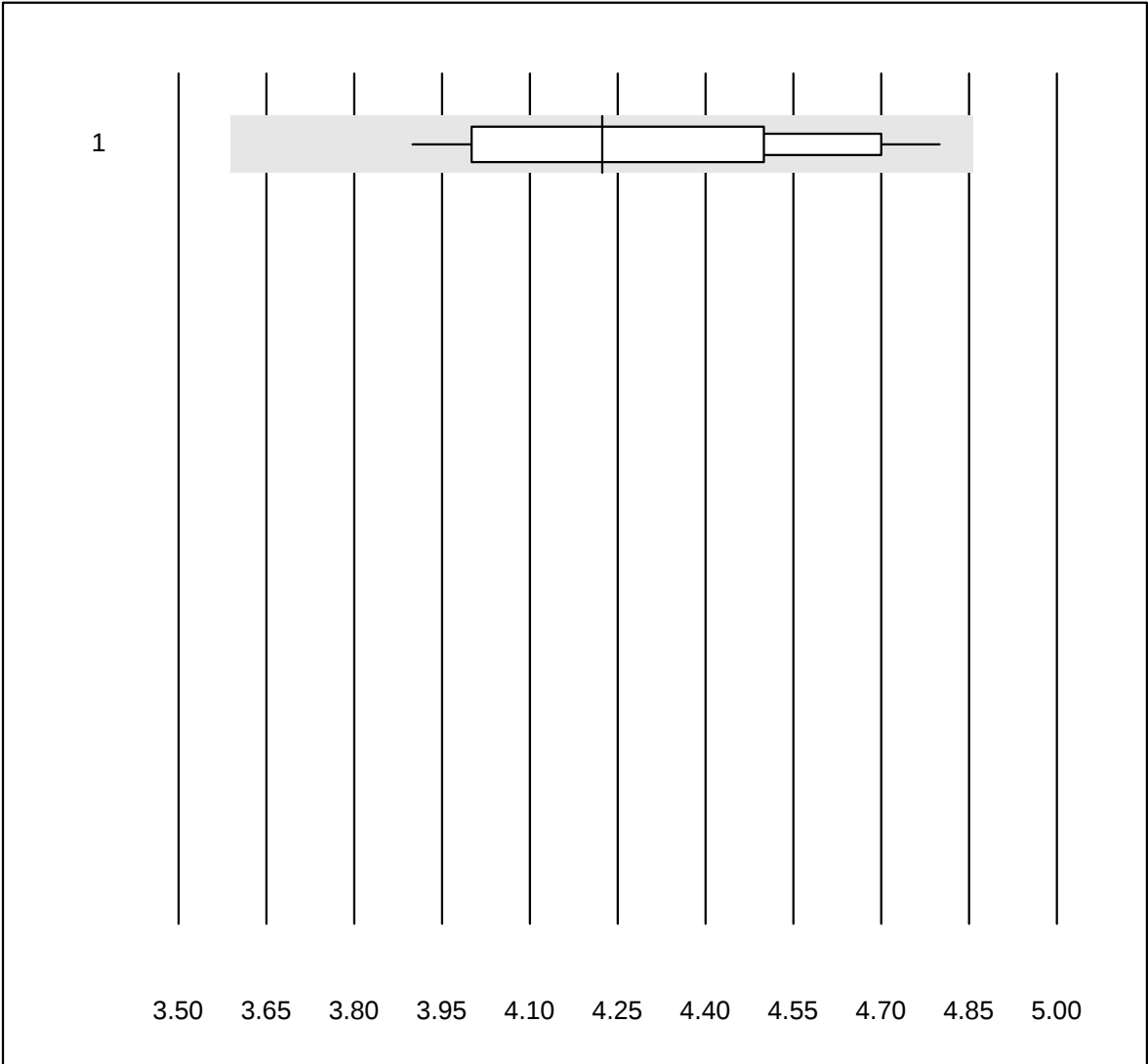


QUALAB tolerance : 9 %

Glucose-K22 (mmol/l)

| No.Methode |                    | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|--------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Standard chemistry | 11    | 100.0 | 0.0       | 0.0       | 4.4    | 3.4 | e    |

Urea-K22

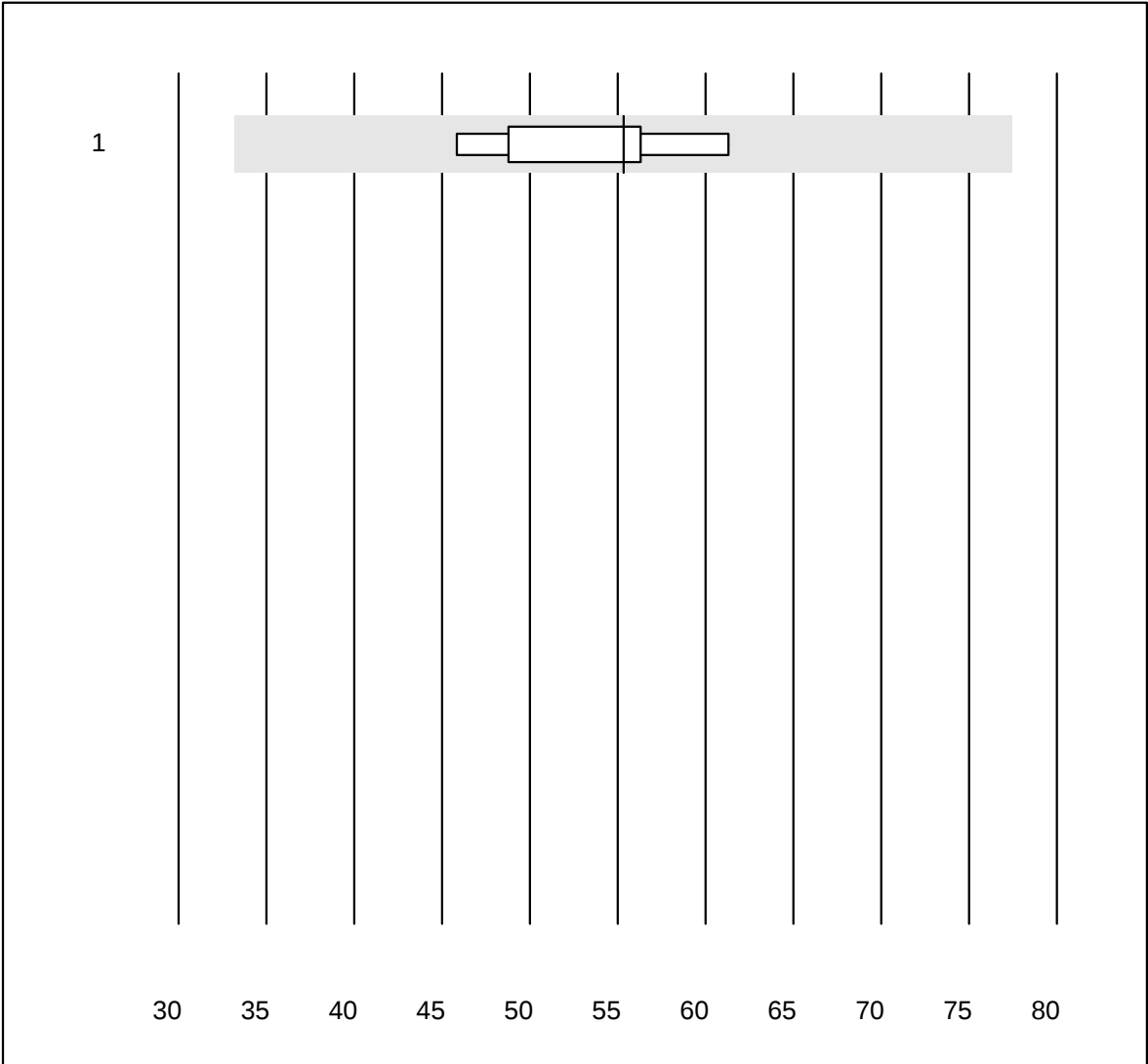


QUALAB tolerance : 15 %

Urea-K22 (mmol/l)

| No. | Methode            | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|--------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Standard chemistry | 11    | 100.0 | 0.0       | 0.0       | 4.2    | 7.2 | e*   |

Osmotic Gap

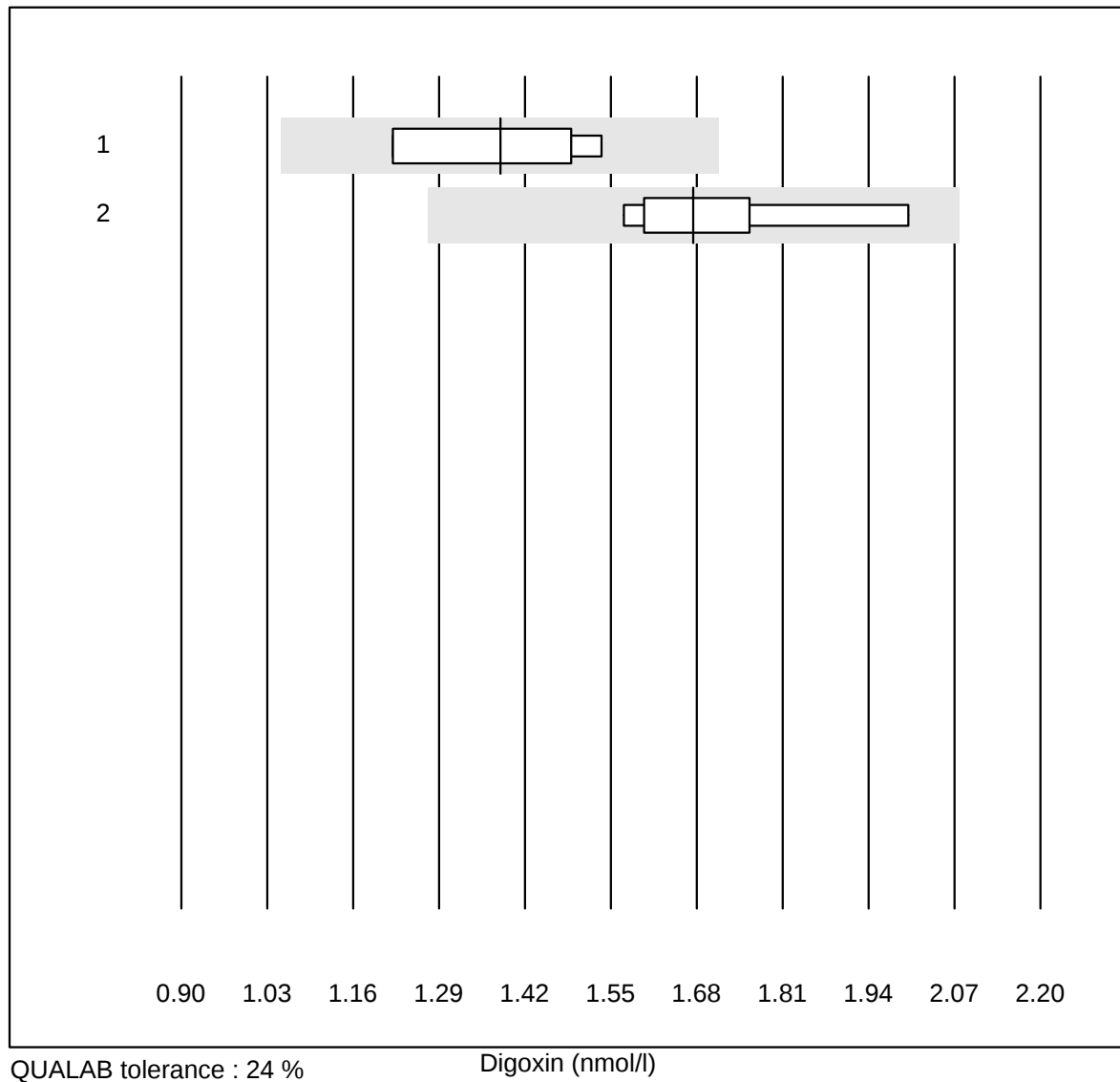


MQ tolerance : 40 %

Osmotic Gap (mmol/l)

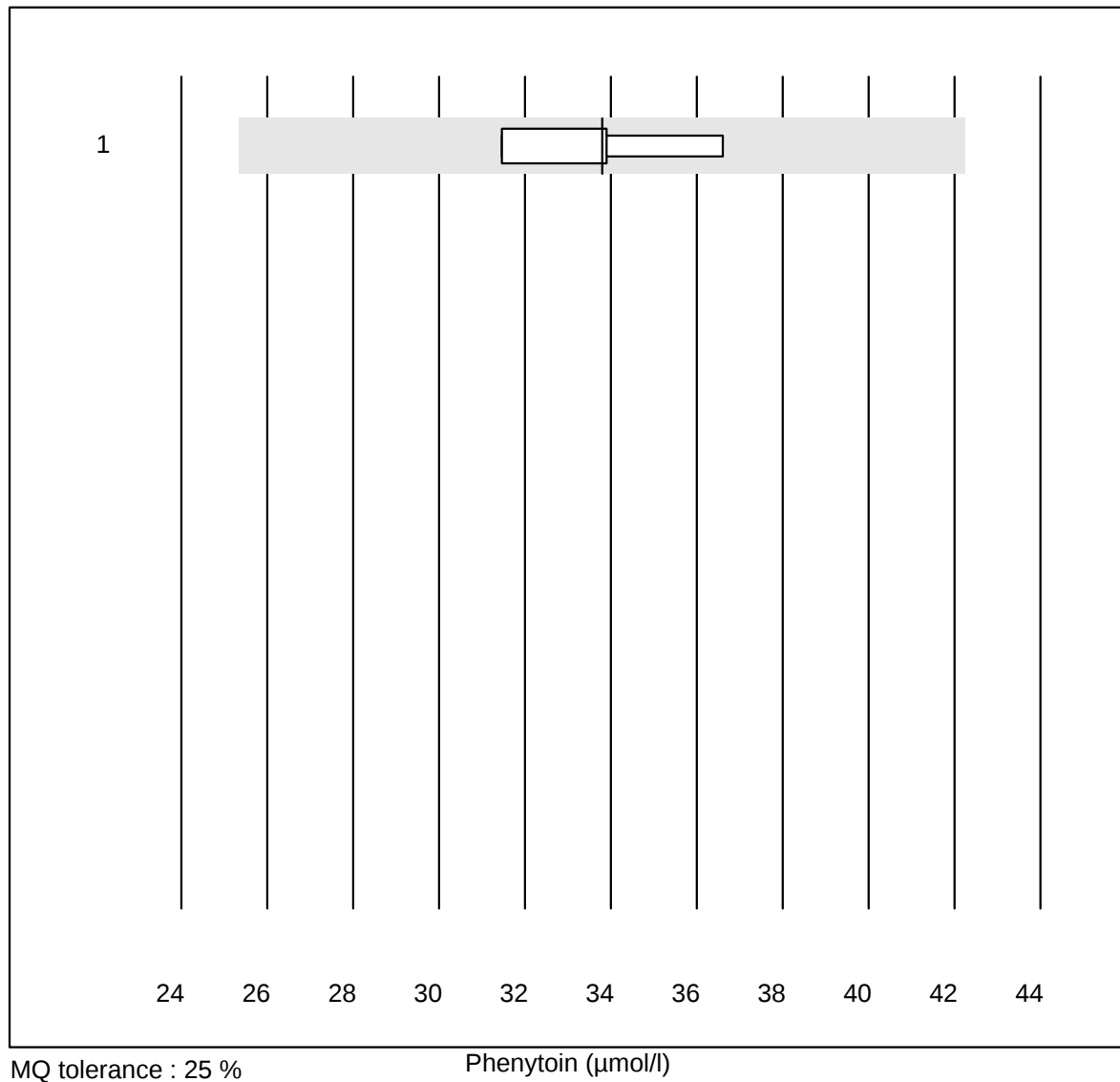
| No.                                                                                                                   | Methode              | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----------------------------------------------------------------------------------------------------------------------|----------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1                                                                                                                     | Formel 1 (2Na+K+Glu+ | 8     | 100.0 | 0.0       | 0.0       | 55.3   | 9.6 | e    |
| 2 additional results were submitted but not published because the method groups were too small. (< results per group) |                      |       |       |           |           |        |     |      |

## Digoxin



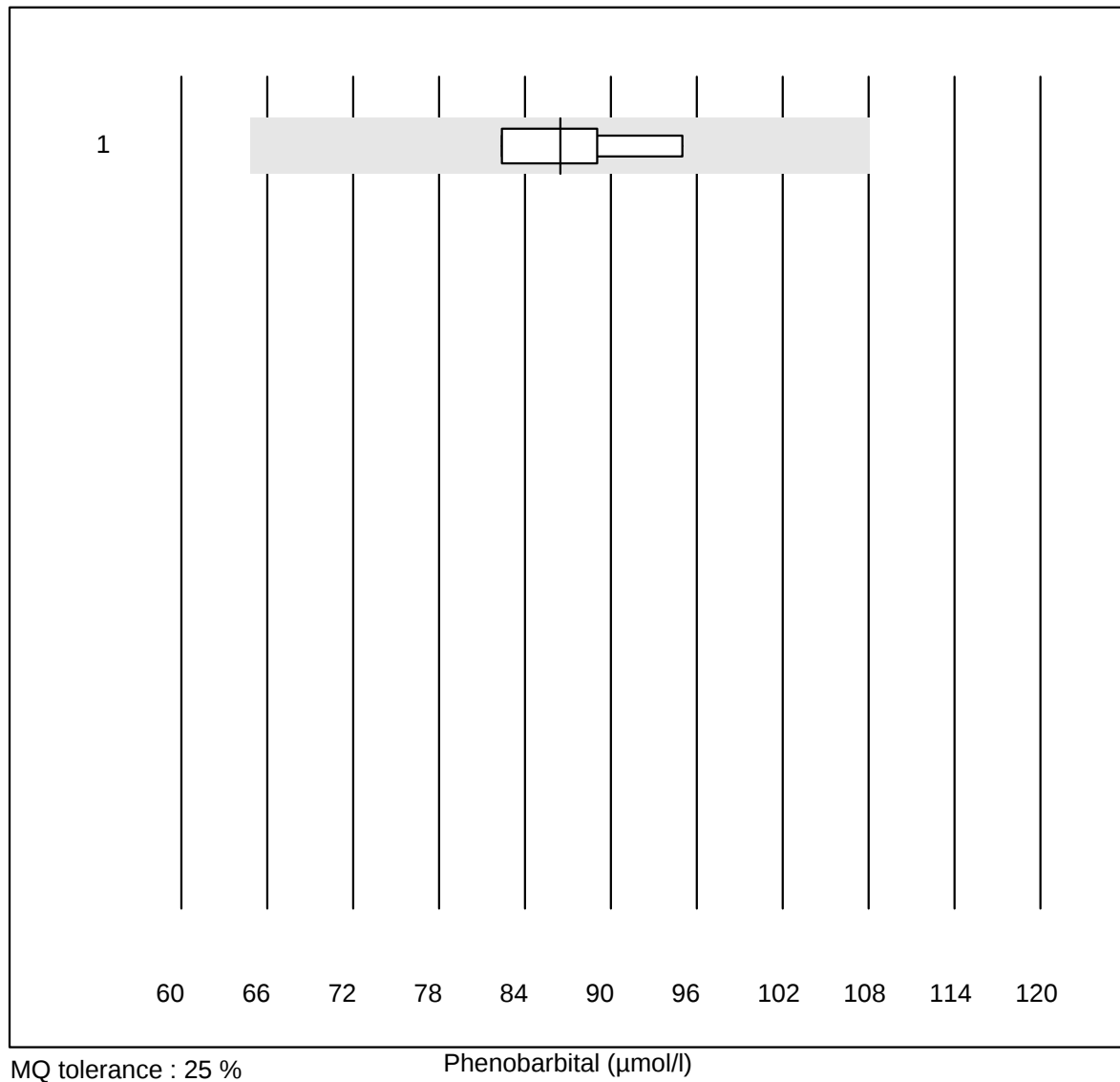
| No. | Methode       | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----|---------------|-------|-------|-----------|-----------|--------|------|------|
| 1   | Alinity       | 4     | 100.0 | 0.0       | 0.0       | 1.38   | 11.3 | e*   |
| 2   | Other methods | 8     | 100.0 | 0.0       | 0.0       | 1.68   | 9.7  | e*   |

## Phenytoin



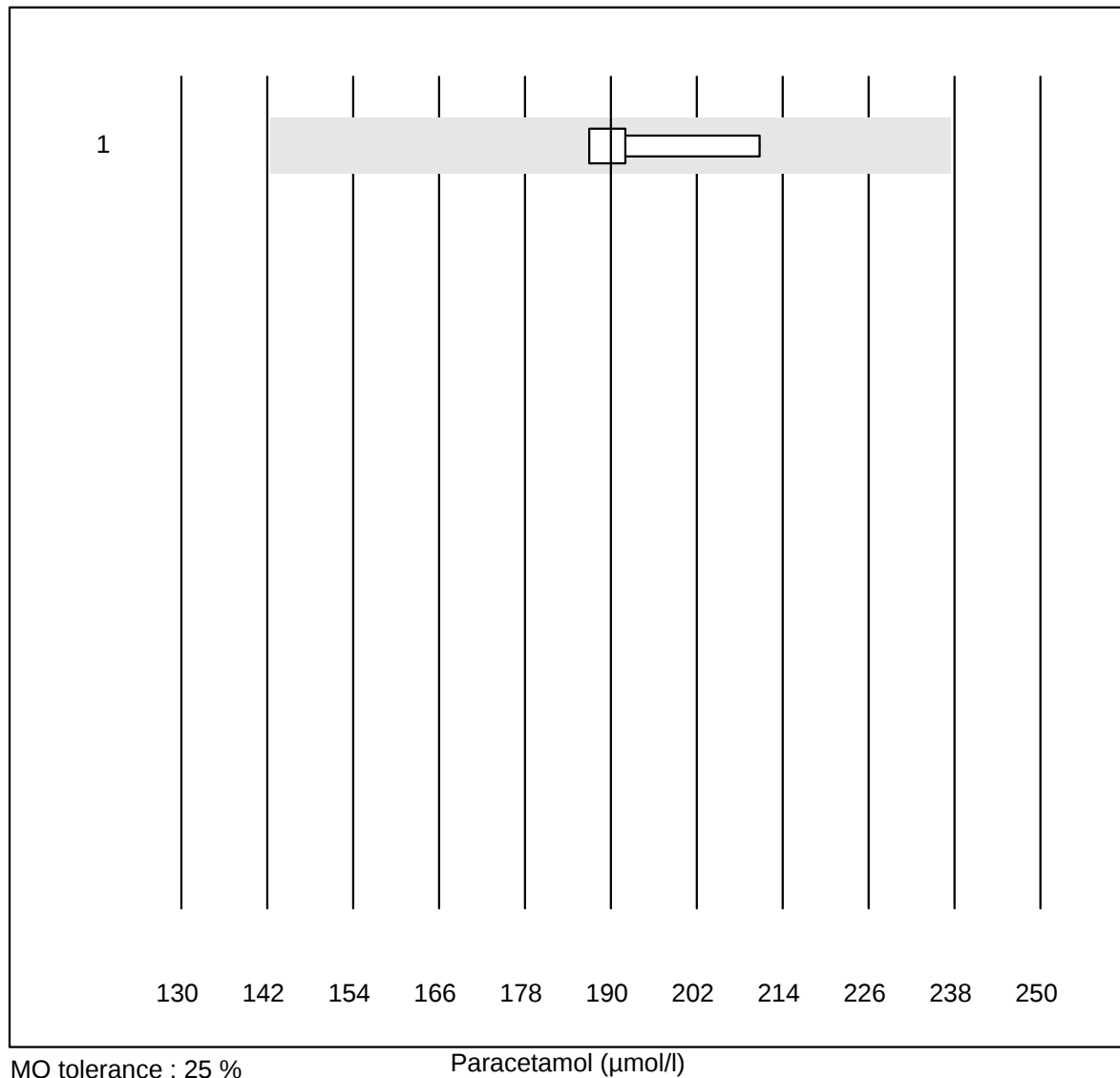
| No.Methode         | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|--------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1 all Participants | 4     | 100.0 | 0.0       | 0.0       | 34     | 6.2 | e*   |

## Phenobarbital



| No. Methode        | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|--------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1 all Participants | 4     | 100.0 | 0.0       | 0.0       | 86     | 6.5 | e*   |

## Paracetamol



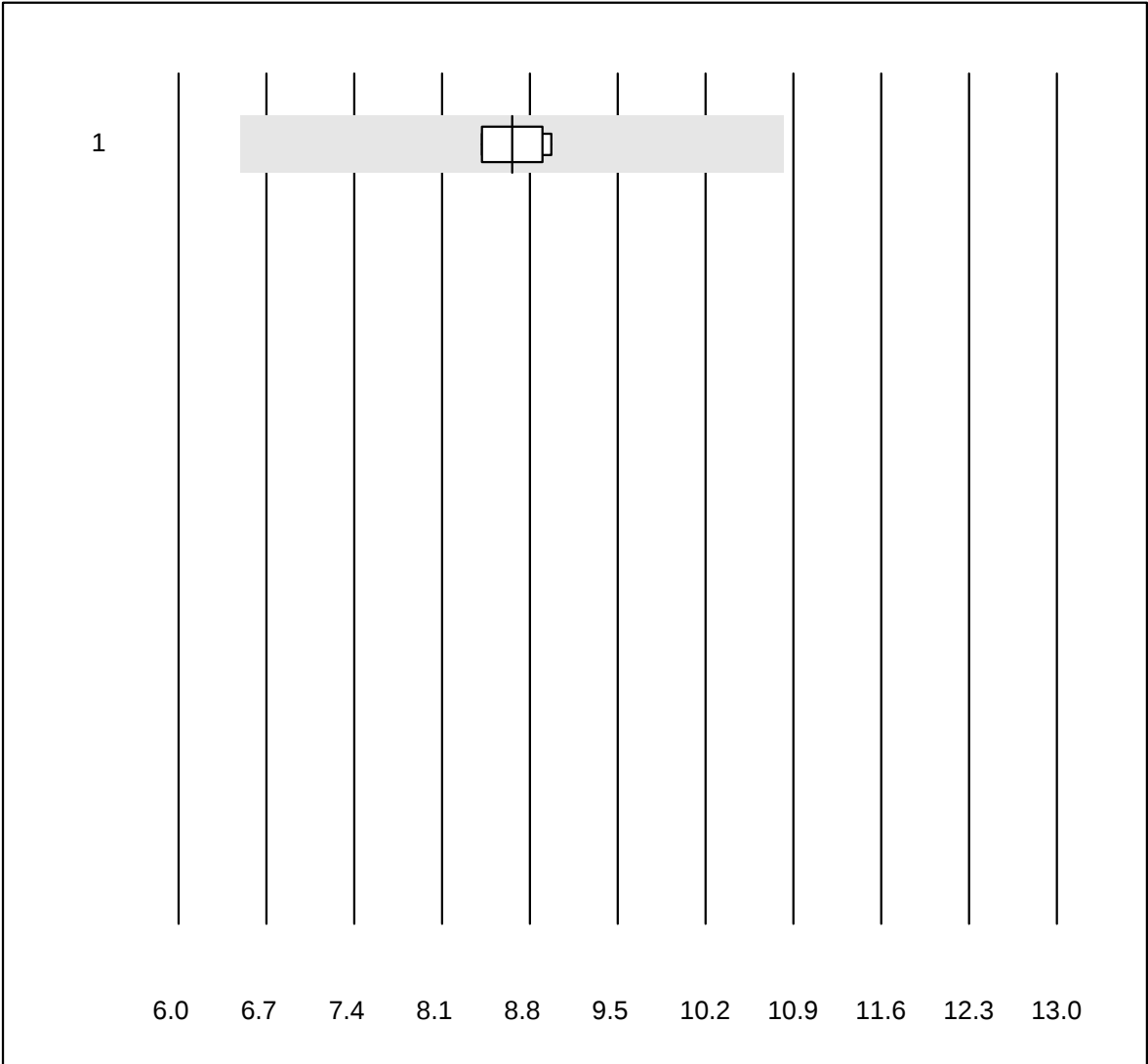
MQ tolerance : 25 %

Paracetamol (μmol/l)

| No. | Methode      | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|--------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Roche, Cobas | 4     | 100.0 | 0.0       | 0.0       | 190.0  | 5.7 | e    |

One result was submitted but not published because the method group was too small. (< 4 results per group)

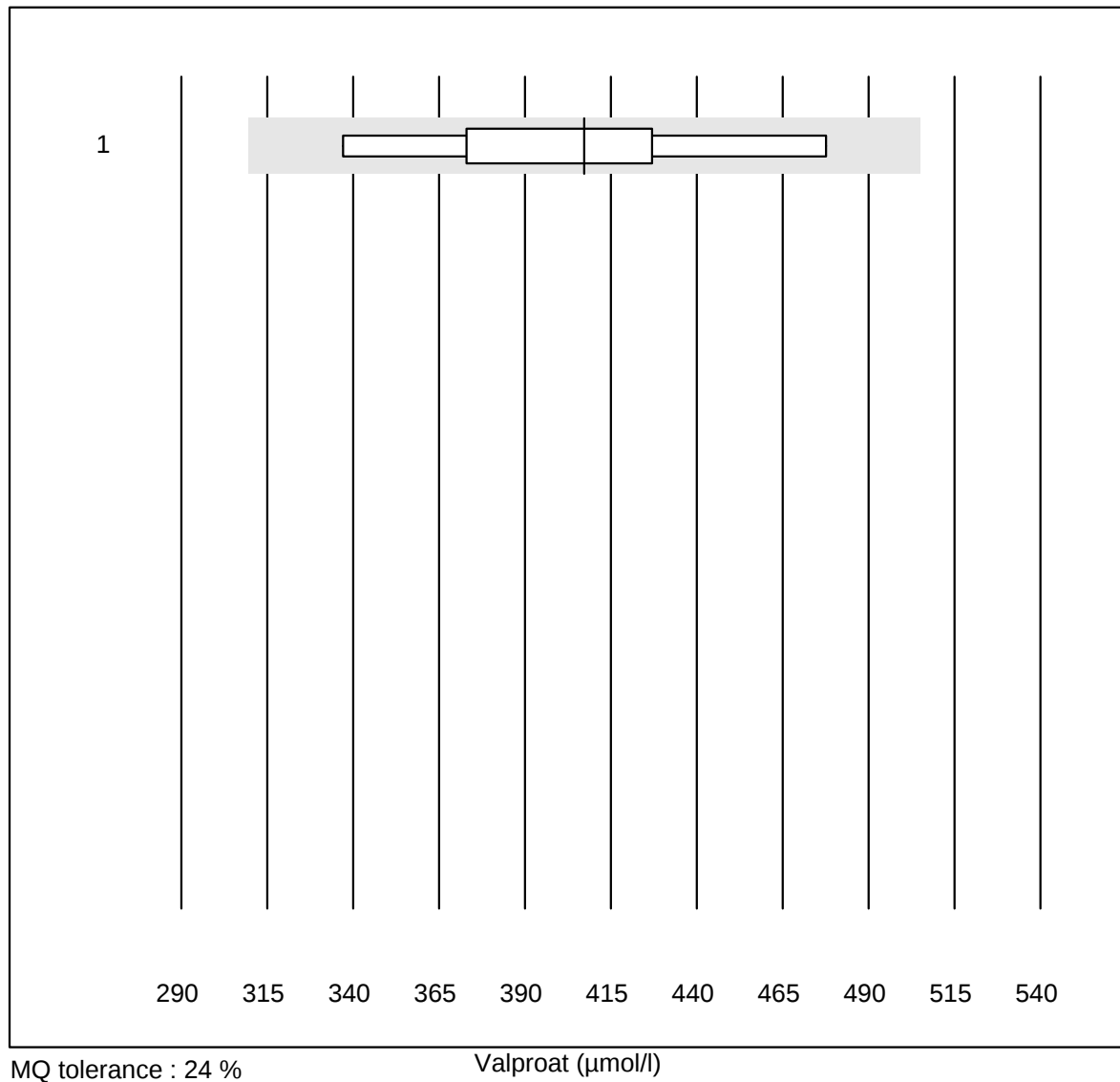
Vancomycin



MQ tolerance : 25 % Vancomycin (μmol/l)

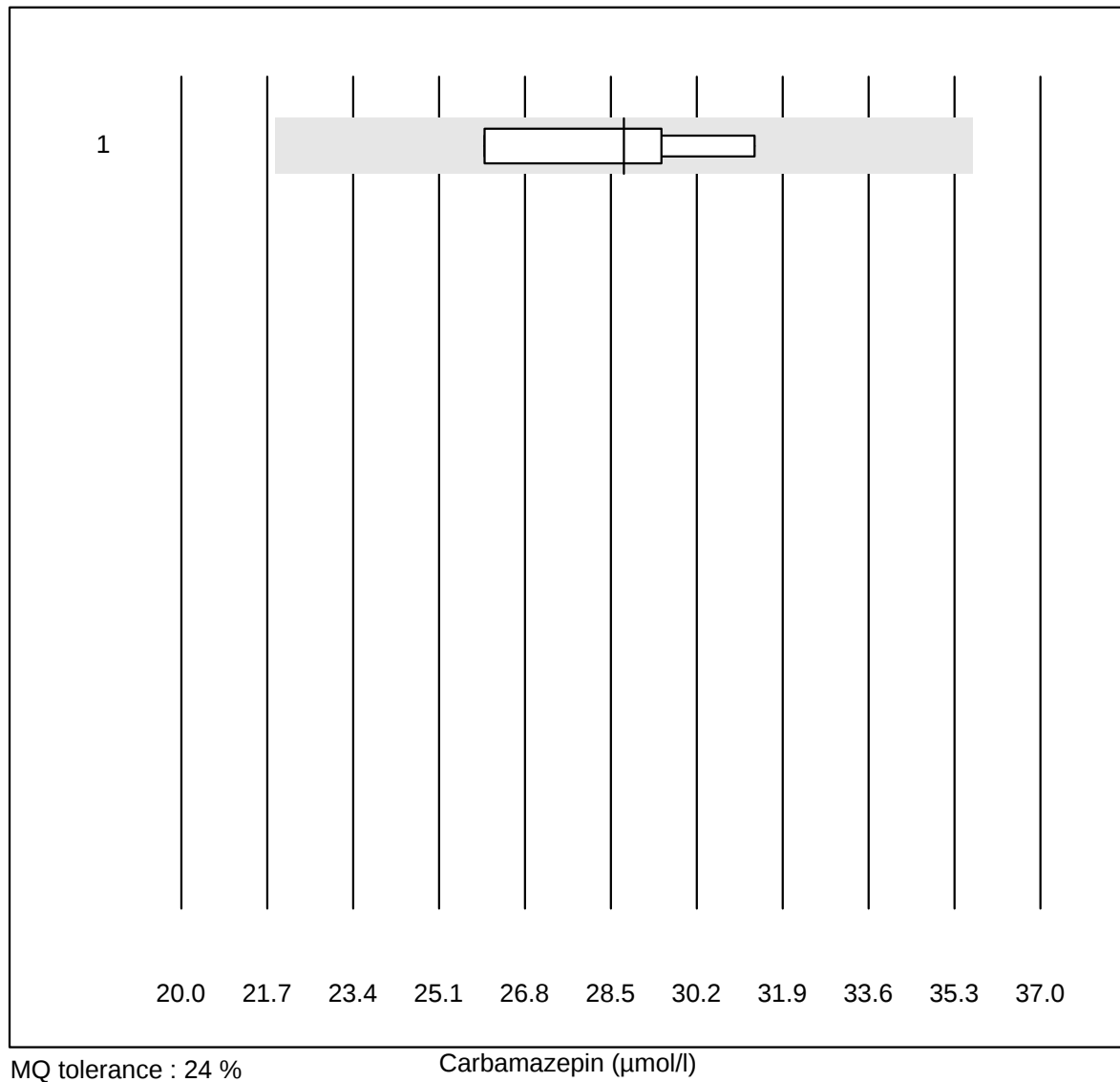
| No.                                                                                                                   | Methode      | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----------------------------------------------------------------------------------------------------------------------|--------------|-------|-------|-----------|-----------|--------|-----|------|
| 1                                                                                                                     | Roche, Cobas | 4     | 100.0 | 0.0       | 0.0       | 8.7    | 3.5 | e    |
| 5 additional results were submitted but not published because the method groups were too small. (< results per group) |              |       |       |           |           |        |     |      |

## Valproat



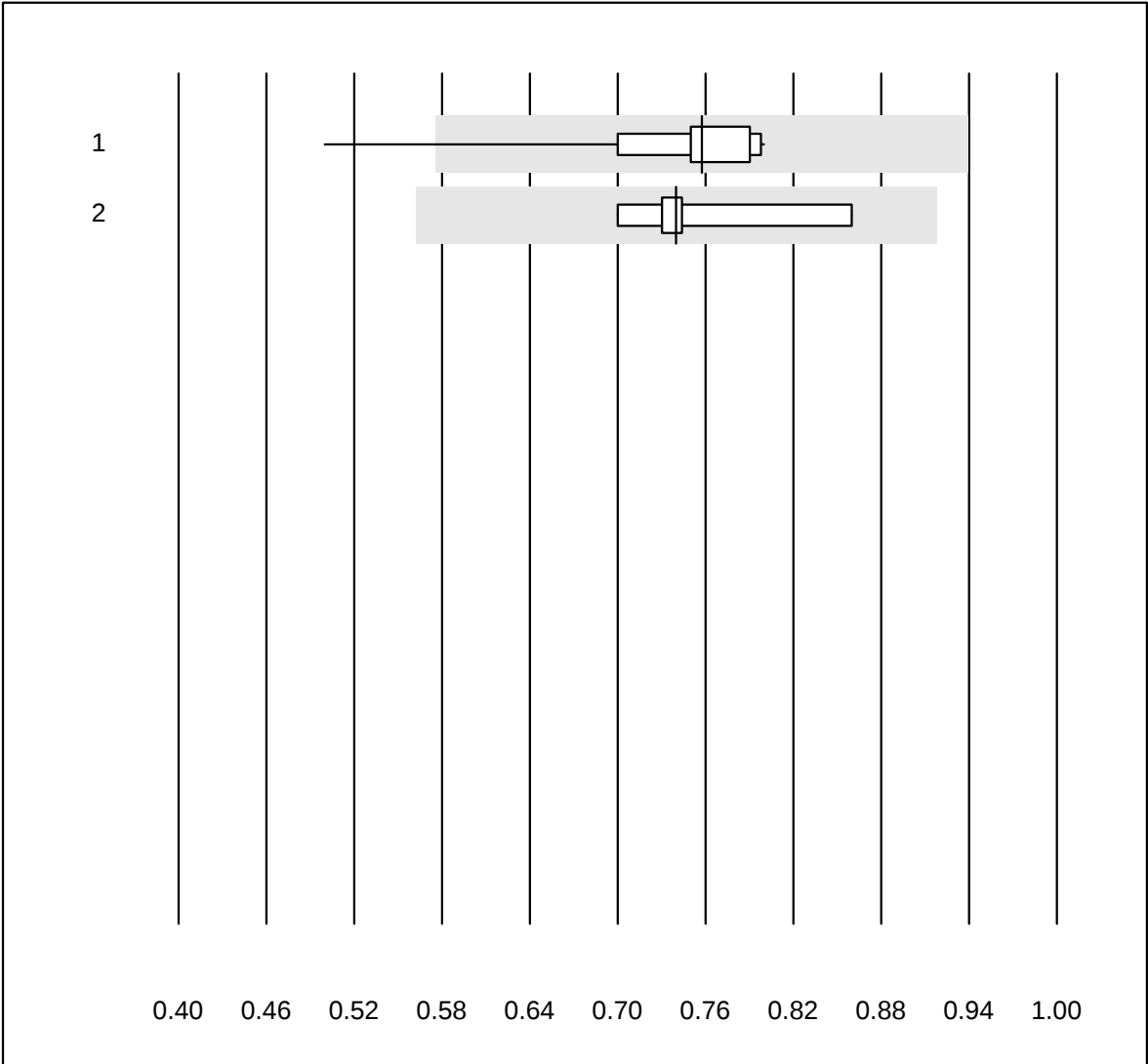
| No. Methode        | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|--------------------|-------|-------|-----------|-----------|--------|------|------|
| 1 all Participants | 9     | 100.0 | 0.0       | 0.0       | 407.3  | 10.8 | a    |

## Carbamazepin



| No. | Methode          | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | all Participants | 4     | 100.0 | 0.0       | 0.0       | 28.8   | 7.9 | e*   |

Cystatin C

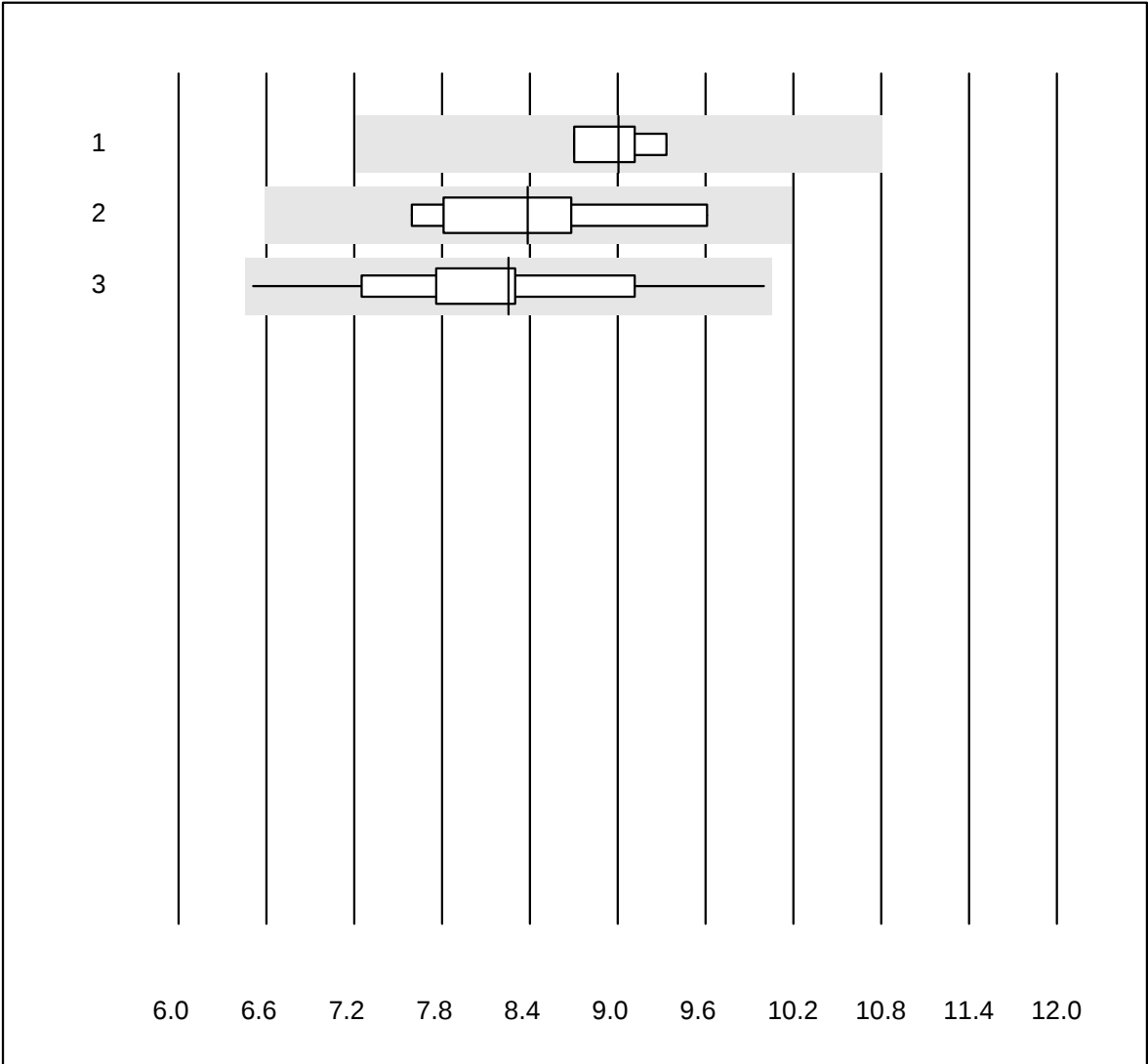


MQ tolerance : 24 %

Cystatin C (mg/l)

| No.Methode |               | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|---------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Other methods | 17    | 88.2  | 5.9       | 5.9       | 0.76   | 9.7 | e    |
| 2          | Nephelometry  | 5     | 100.0 | 0.0       | 0.0       | 0.74   | 8.1 | e*   |

Ethanol

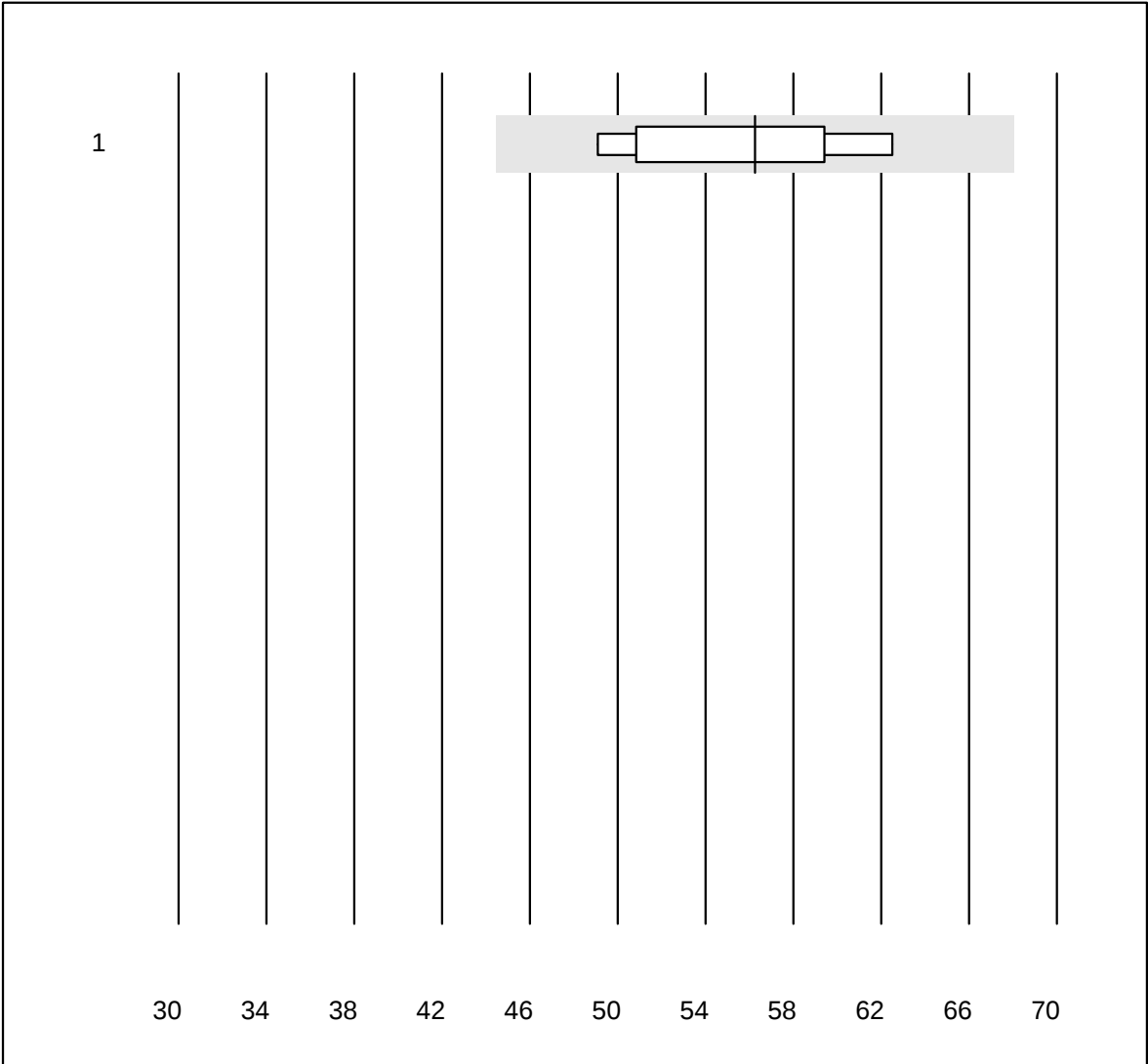


QUALAB tolerance : 18 %  
( < 10.0: +/- 1.8 mmol/l)

Ethanol (mmol/l)

| No.Methode |              | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|--------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Others       | 4     | 100.0 | 0.0       | 0.0       | 9.0    | 3.0 | e    |
| 2          | Abbott       | 8     | 100.0 | 0.0       | 0.0       | 8.4    | 8.3 | e*   |
| 3          | Roche, Cobas | 24    | 100.0 | 0.0       | 0.0       | 8.3    | 9.5 | a    |

Ammonia



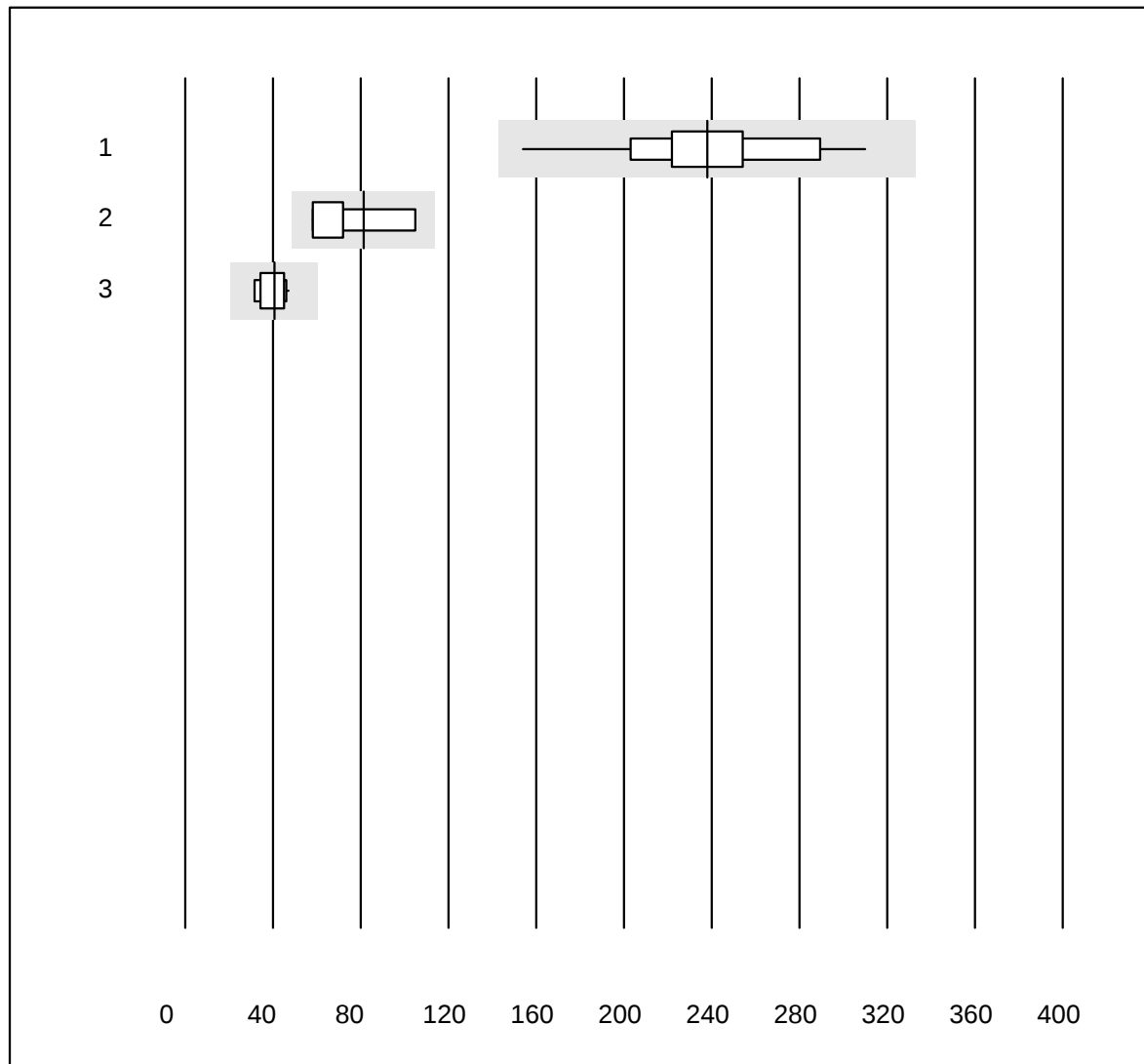
QUALAB tolerance : 21 %

Ammonia (μmol/l)

| No. | Methode      | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|--------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Roche, Cobas | 6     | 100.0 | 0.0       | 0.0       | 56.3   | 9.1 | e*   |

6 additional results were submitted but not published because the method groups were too small. (< results per group)

## Calprotectin

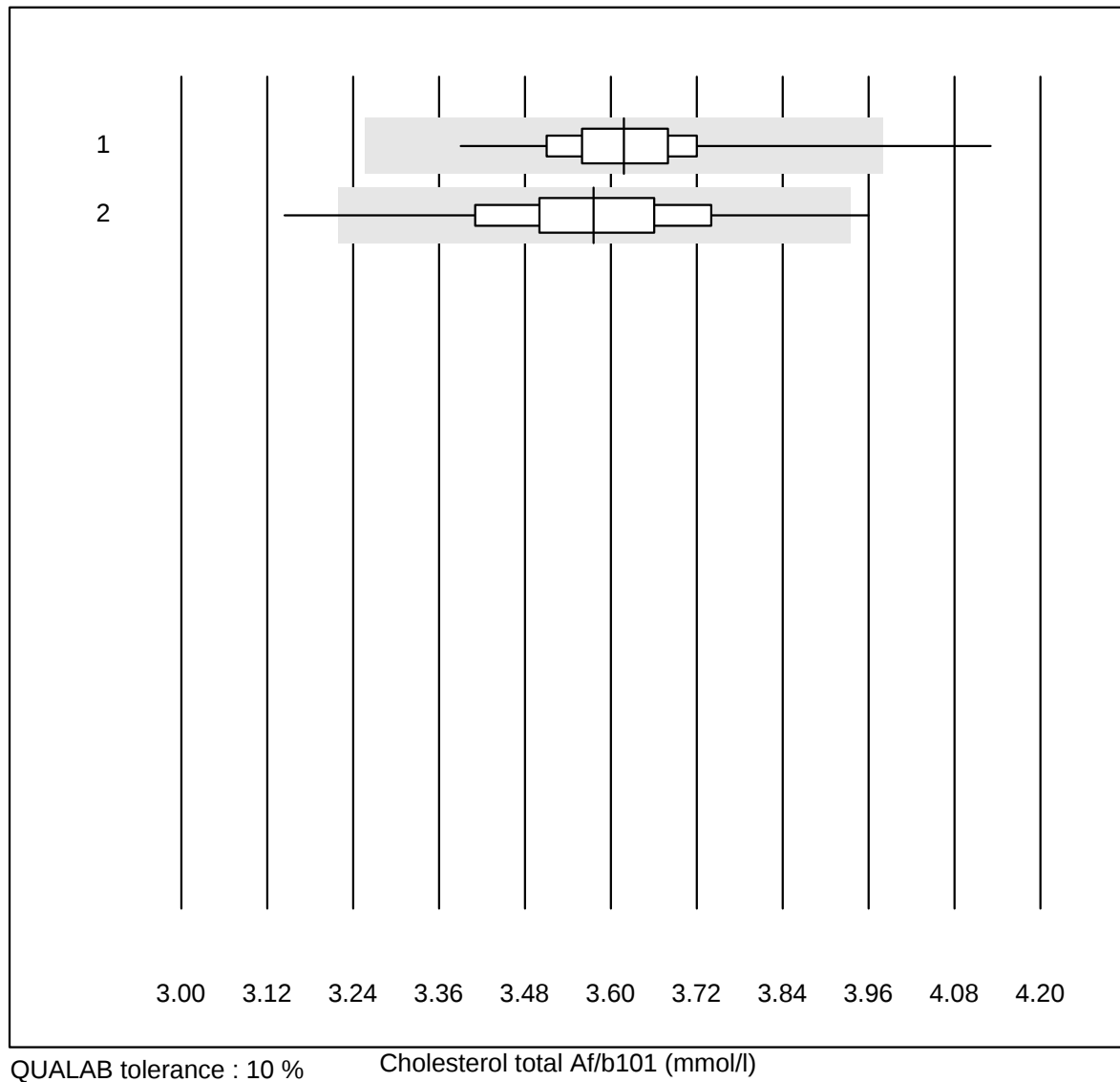


MQ tolerance : 40 %  
( < 50: +/- 20 µg/g)

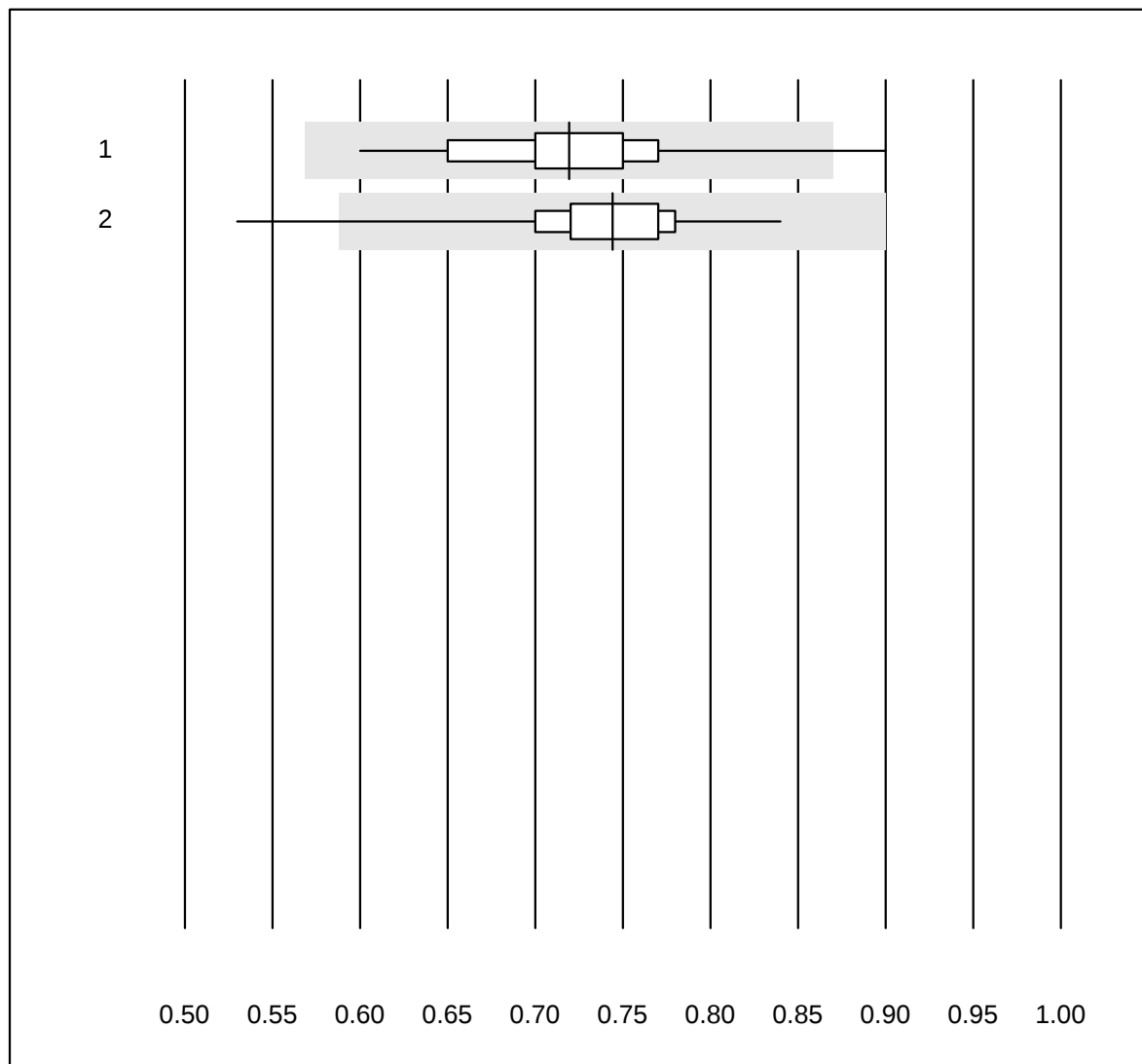
Calprotectin (µg/g)

| No. | Methode              | Total | % OK | % insuff. | % outlier | Target | CV%  | Type |
|-----|----------------------|-------|------|-----------|-----------|--------|------|------|
| 1   | Bühlmann fCALturbo   | 21    | 90.5 | 0.0       | 9.5       | 238    | 13.7 | e    |
| 2   | Bühlmann Quantum Blu | 5     | 80.0 | 0.0       | 20.0      | 82     | 26.4 | a    |
| 3   | Liaison              | 12    | 83.3 | 0.0       | 16.7      | 41     | 14.1 | e    |

4 additional results were submitted but not published because the method groups were too small. (< results per group)

**Cholesterol total Af/b101**

| No. | Methode    | Total | % OK | % insuff. | % outlier | Target | CV% | Type |
|-----|------------|-------|------|-----------|-----------|--------|-----|------|
| 1   | Cobas b101 | 330   | 98.8 | 0.3       | 0.9       | 3.62   | 2.4 | e    |
| 2   | Afinion    | 451   | 97.7 | 0.7       | 1.6       | 3.58   | 3.6 | e    |

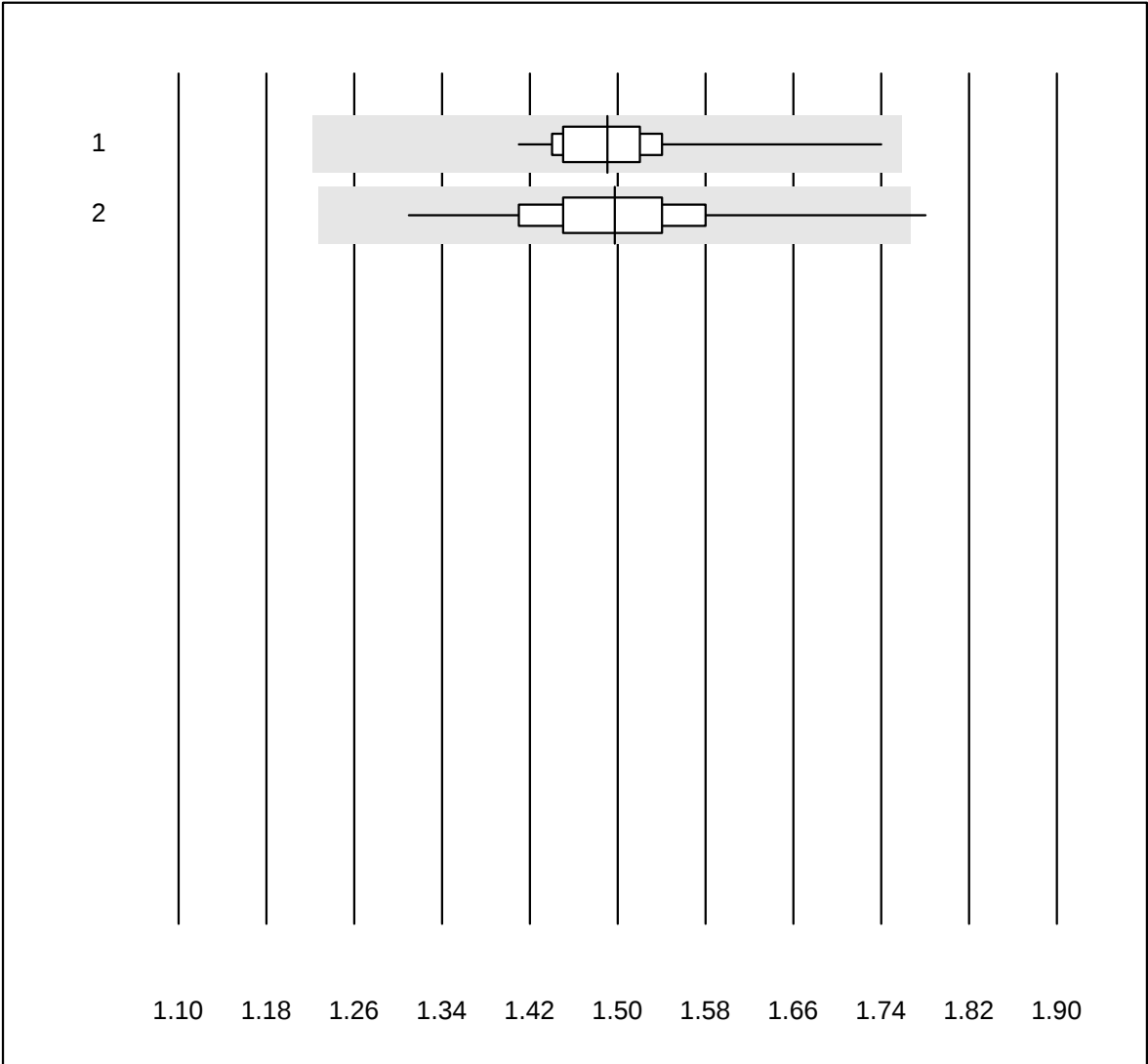
**Cholesterol HDL Af/b101**

QUALAB tolerance : 21 %

Cholesterol HDL Af/b101 (mmol/l)

| No. | Methode    | Total | % OK | % insuff. | % outlier | Target | CV% | Type |
|-----|------------|-------|------|-----------|-----------|--------|-----|------|
| 1   | Cobas b101 | 327   | 92.4 | 0.3       | 7.3       | 0.72   | 6.2 | e    |
| 2   | Afinion    | 450   | 92.5 | 0.2       | 7.3       | 0.74   | 4.5 | e    |

Tryglicerides Af/b101

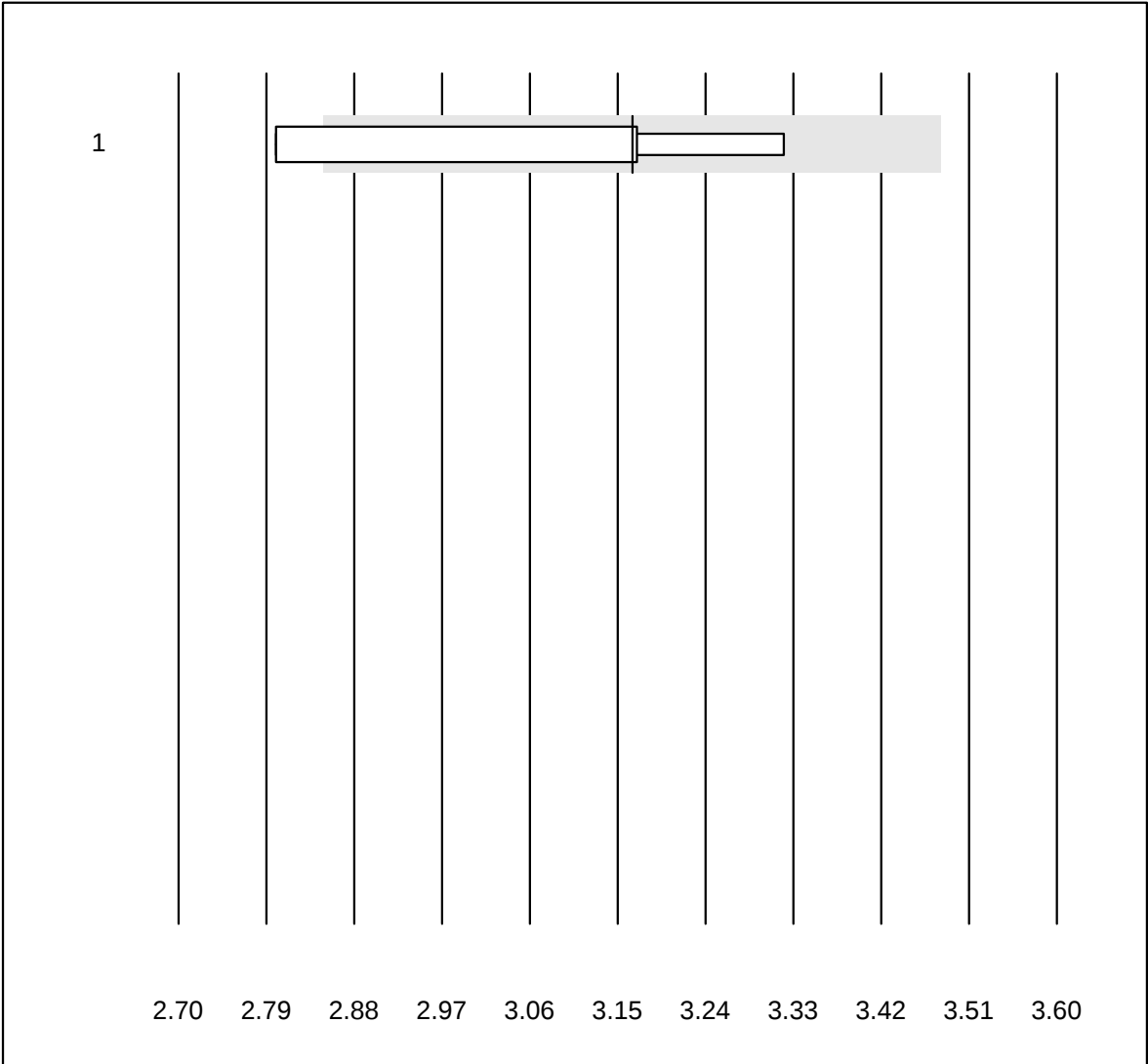


QUALAB tolerance : 18 %

Tryglicerides Af/b101 (mmol/l)

| No.Methode |            | Total | % OK | % insuff. | % outlier | Target | CV% | Type |
|------------|------------|-------|------|-----------|-----------|--------|-----|------|
| 1          | Cobas b101 | 327   | 99.1 | 0.0       | 0.9       | 1.49   | 3.5 | e    |
| 2          | Afinion    | 452   | 99.4 | 0.2       | 0.4       | 1.50   | 4.6 | e    |

Cholesterol PTS

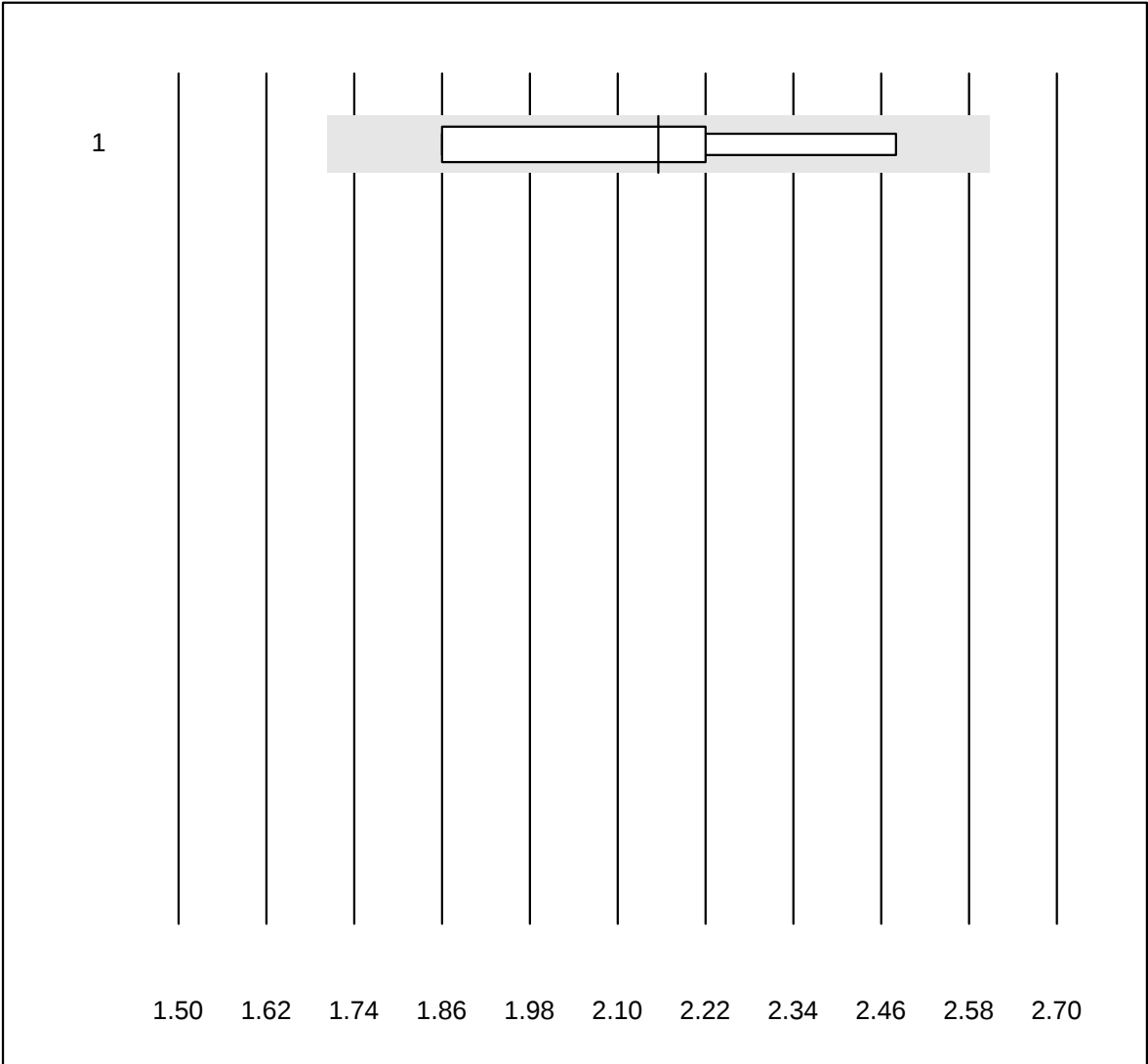


QUALAB tolerance : 10 %

Cholesterol PTS (mmol/l)

| No.Methode |            | Total | % OK | % insuff. | % outlier | Target | CV% | Type |
|------------|------------|-------|------|-----------|-----------|--------|-----|------|
| 1          | CardioChek | 4     | 75.0 | 25.0      | 0.0       | 3.17   | 7.1 | e*   |

Cholesterol HDL PTS

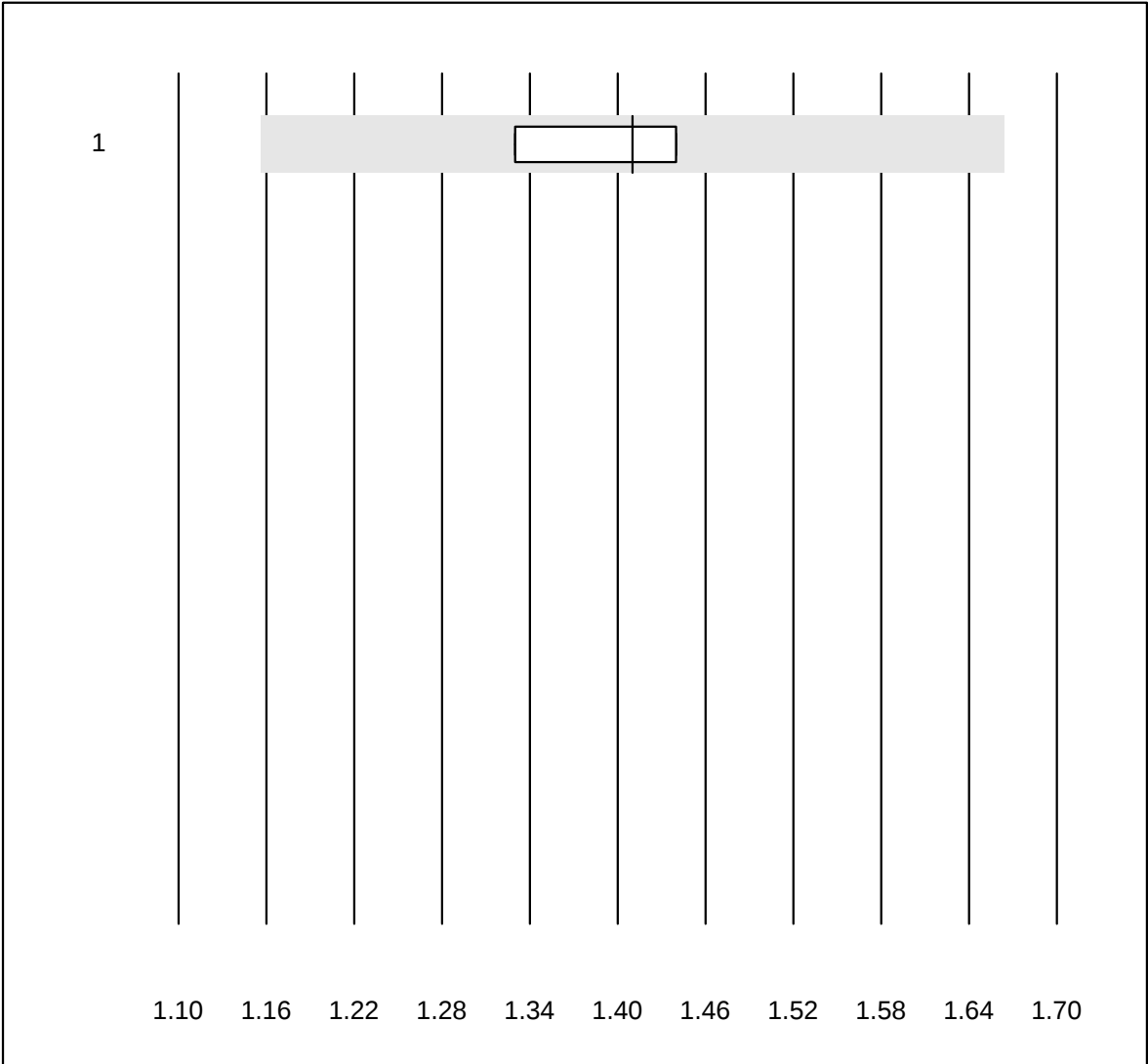


QUALAB tolerance : 21 %

Cholesterol HDL PTS (mmol/l)

| No.Methode |            | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------|------------|-------|-------|-----------|-----------|--------|------|------|
| 1          | CardioChek | 4     | 100.0 | 0.0       | 0.0       | 2.16   | 12.0 | e*   |

Triglycerides

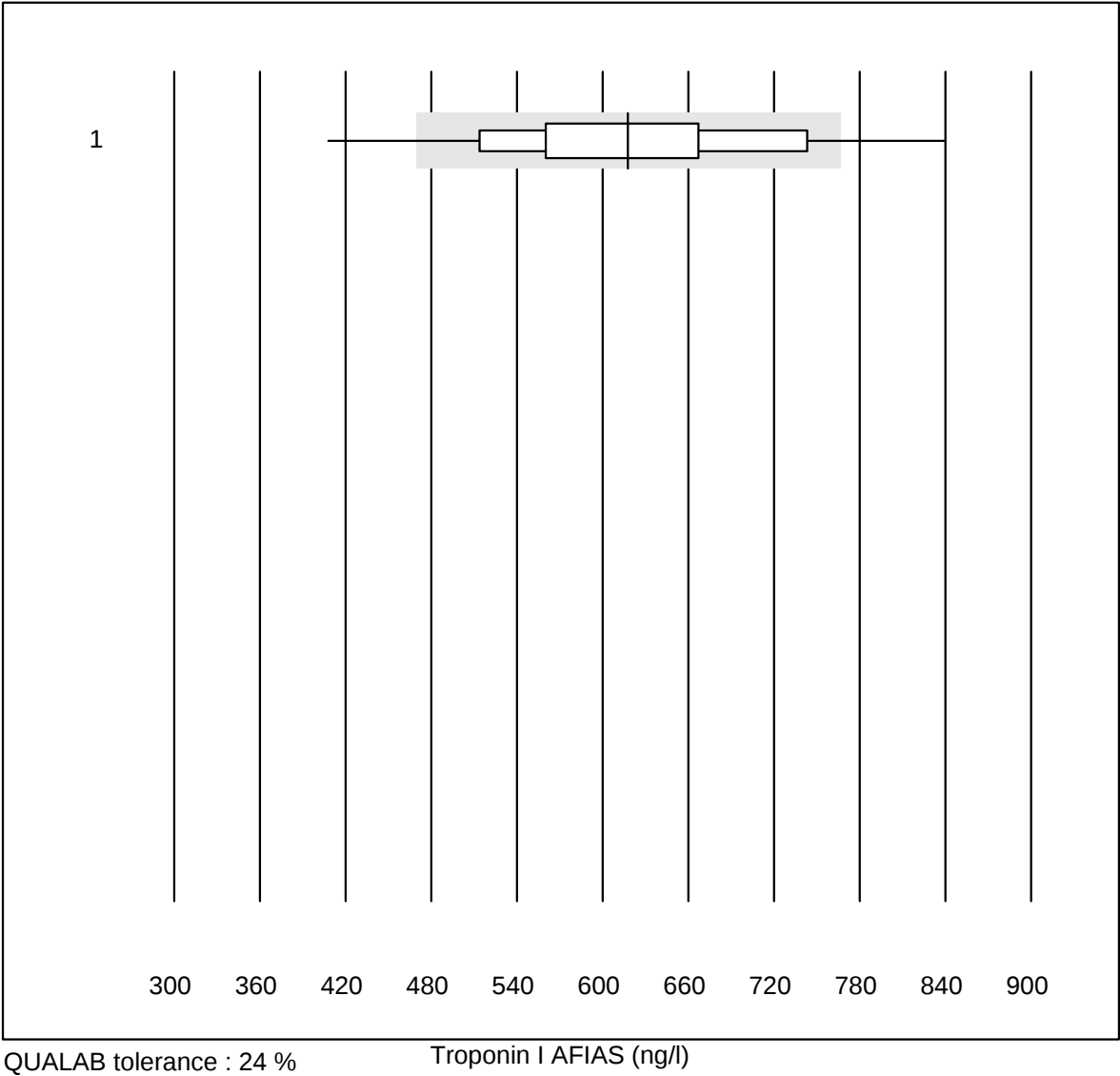


QUALAB tolerance : 18 %

Triglycerides (mmol/l)

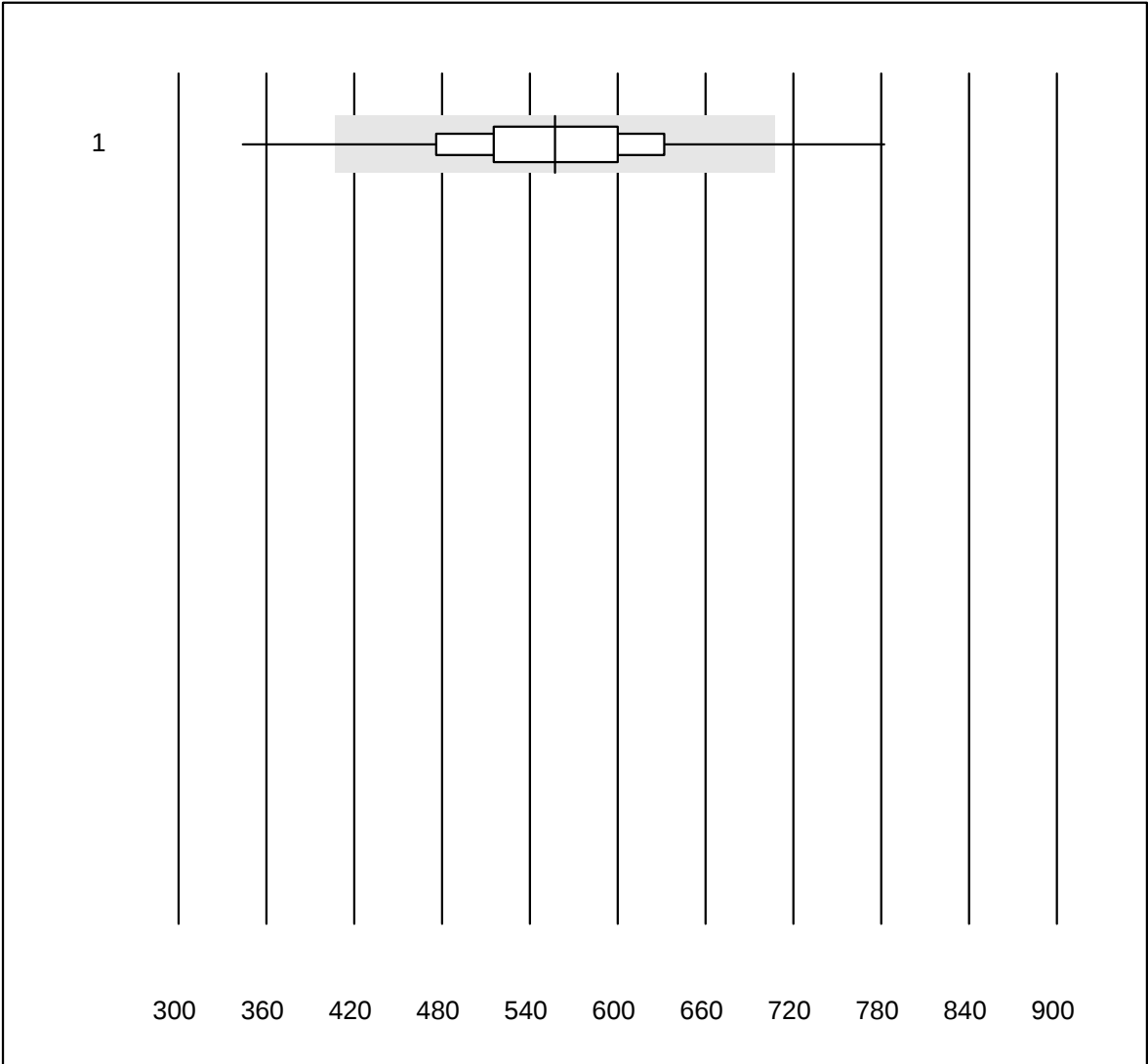
| No. | Methode    | Total | % OK | % insuff. | % outlier | Target | CV% | Type |
|-----|------------|-------|------|-----------|-----------|--------|-----|------|
| 1   | CardioChek | 4     | 75.0 | 0.0       | 25.0      | 1.41   | 4.0 | e    |

Troponin I AFIAS



| No.Methode | Total | % OK | % insuff. | % outlier | Target | CV%  | Type |
|------------|-------|------|-----------|-----------|--------|------|------|
| 1 AFIAS    | 498   | 87.4 | 10.0      | 2.6       | 617.89 | 13.9 | e    |

NT-proBNP AFIAS

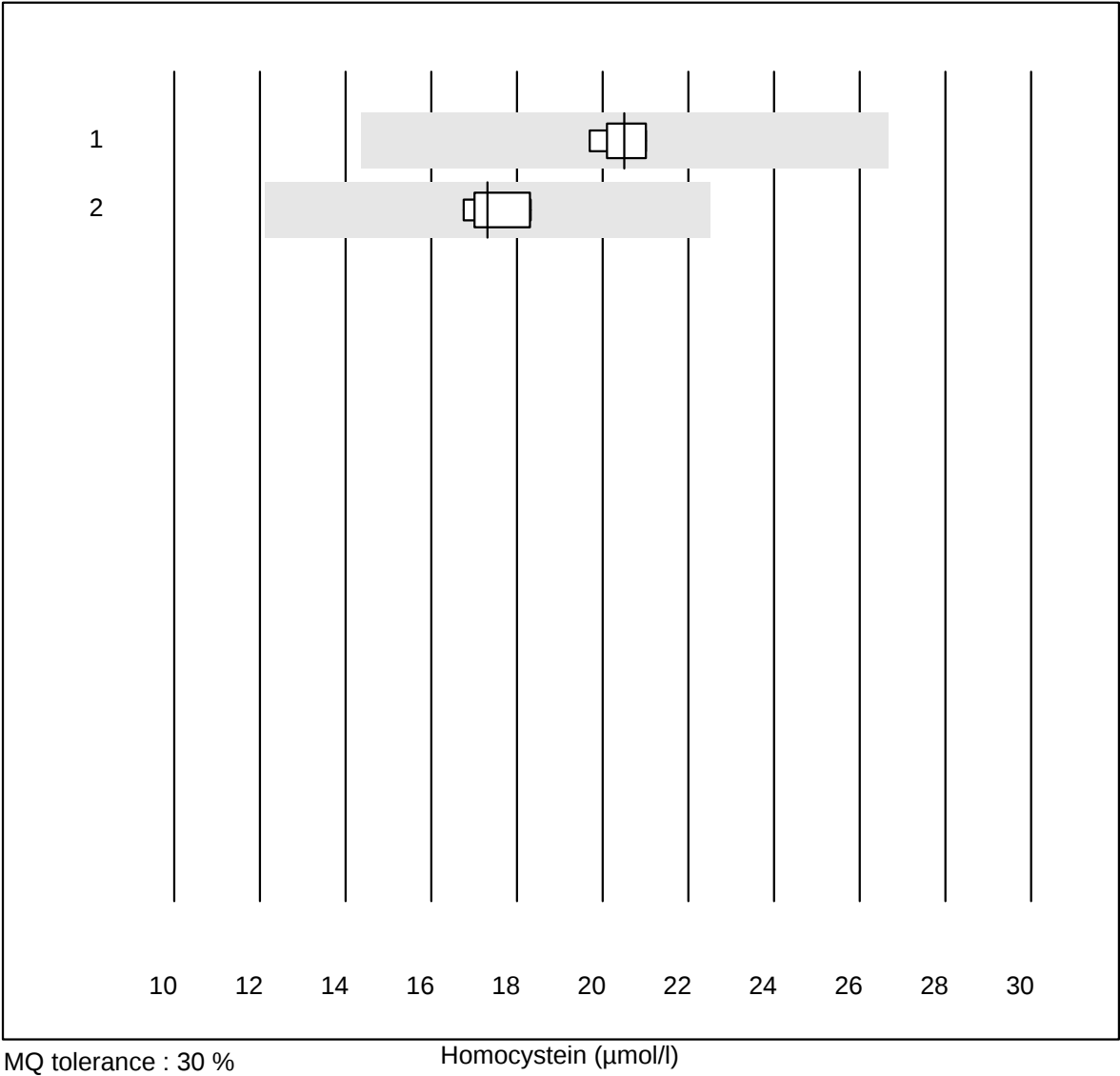


QUALAB tolerance : 27 %

NT-proBNP AFIAS (ng/l)

| No.Methode | Total | % OK | % insuff. | % outlier | Target | CV%  | Type |
|------------|-------|------|-----------|-----------|--------|------|------|
| 1 AFIAS    | 384   | 93.5 | 4.2       | 2.3       | 557.2  | 12.2 | e    |

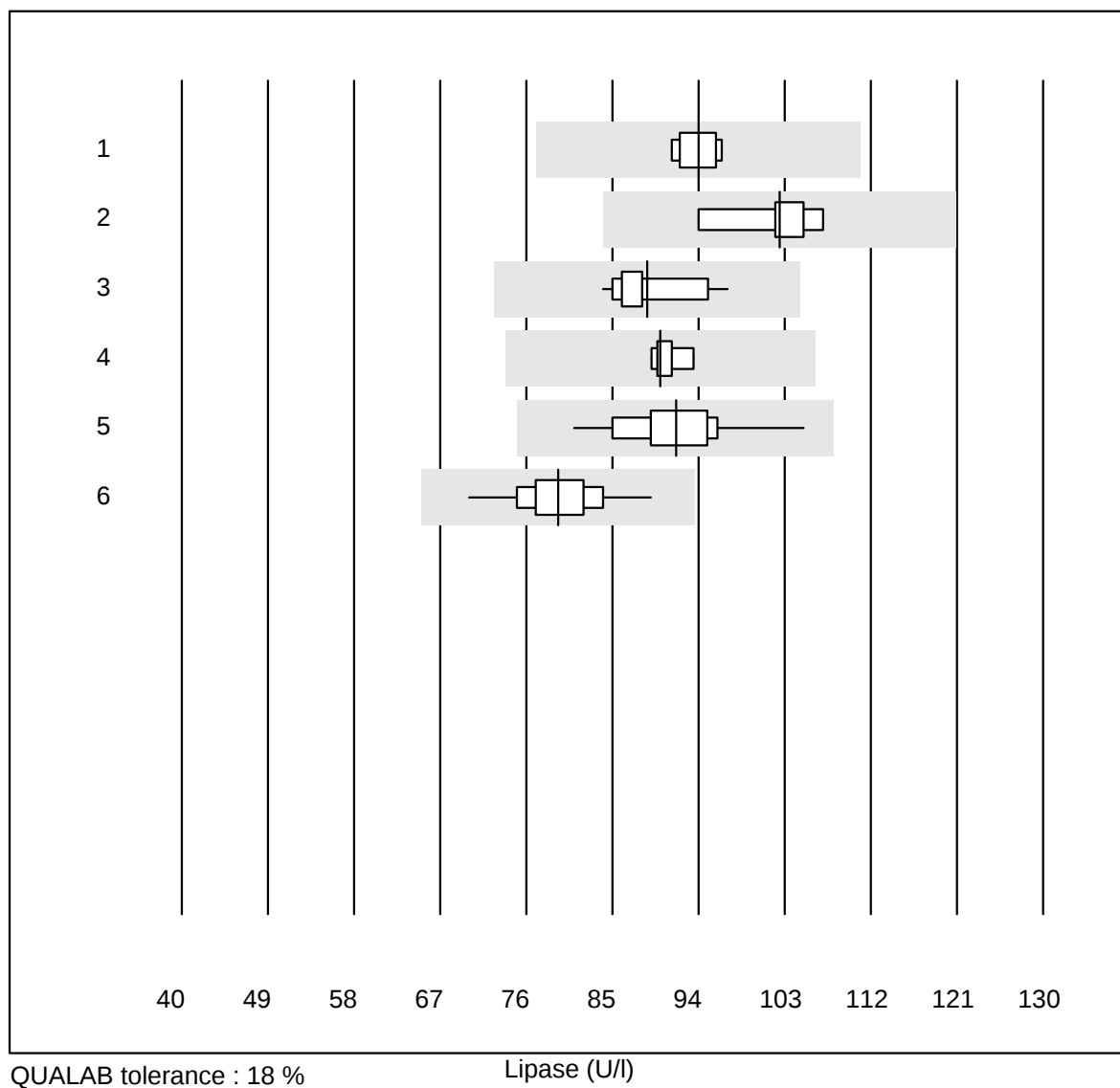
Homocystein



MQ tolerance : 30 %

| No.Methode |                  | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Beckman          | 7     | 100.0 | 0.0       | 0.0       | 20.5   | 2.4 | e    |
| 2          | all Participants | 6     | 100.0 | 0.0       | 0.0       | 17.3   | 3.9 | e    |

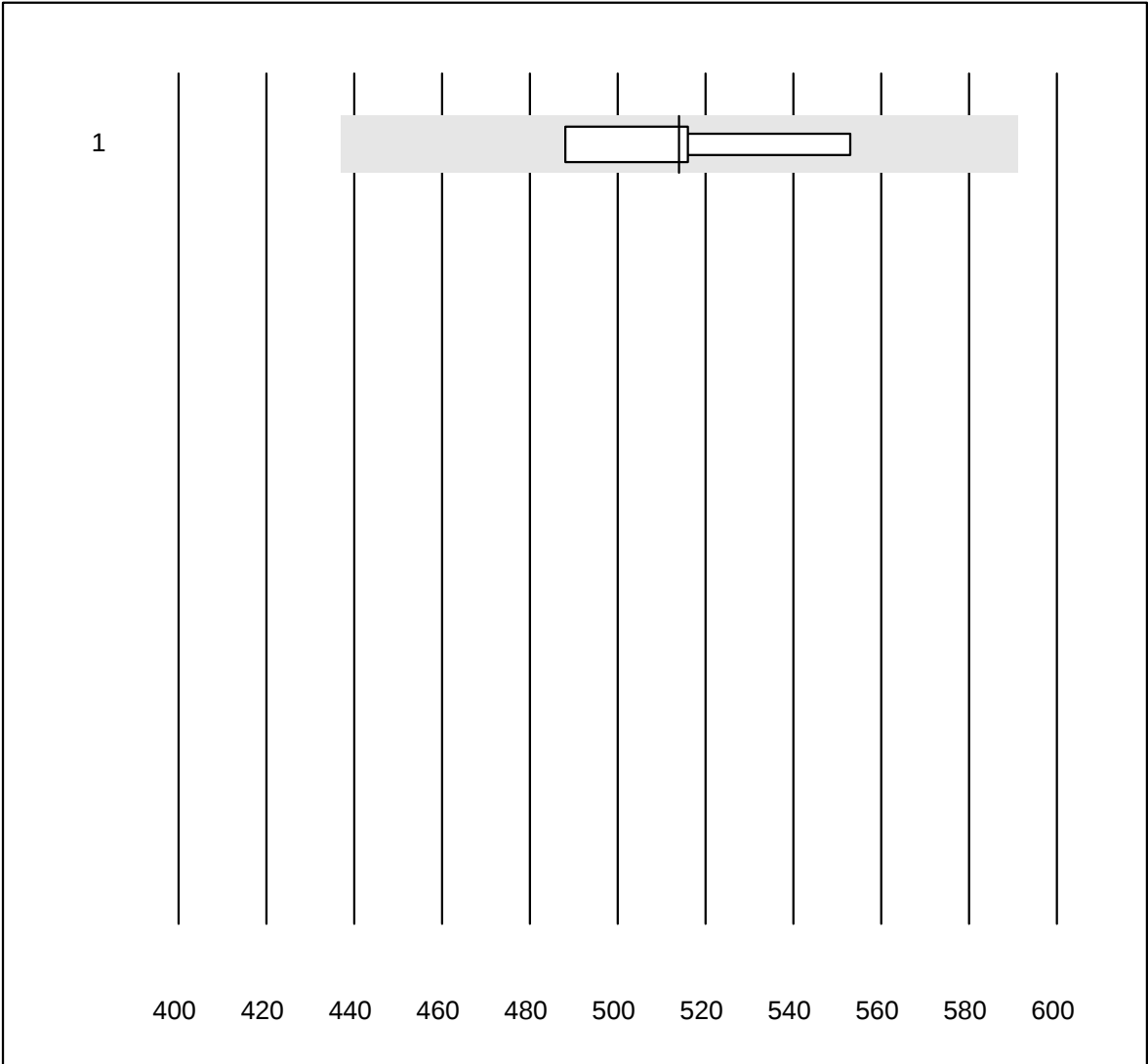
## Lipase



| No. | Methode       | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|---------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Roche         | 5     | 100.0 | 0.0       | 0.0       | 94.0   | 2.4 | e    |
| 2   | Siemens       | 6     | 100.0 | 0.0       | 0.0       | 102.5  | 4.4 | e    |
| 3   | Abbott        | 13    | 100.0 | 0.0       | 0.0       | 88.6   | 4.6 | e    |
| 4   | Beckman       | 5     | 100.0 | 0.0       | 0.0       | 90.0   | 1.9 | e    |
| 5   | Roche         | 27    | 100.0 | 0.0       | 0.0       | 91.6   | 5.2 | e    |
| 6   | Fuji Dri-Chem | 173   | 98.3  | 0.0       | 1.7       | 79.3   | 4.6 | e    |

4 additional results were submitted but not published because the method groups were too small. (< results per group)

Fructosamine

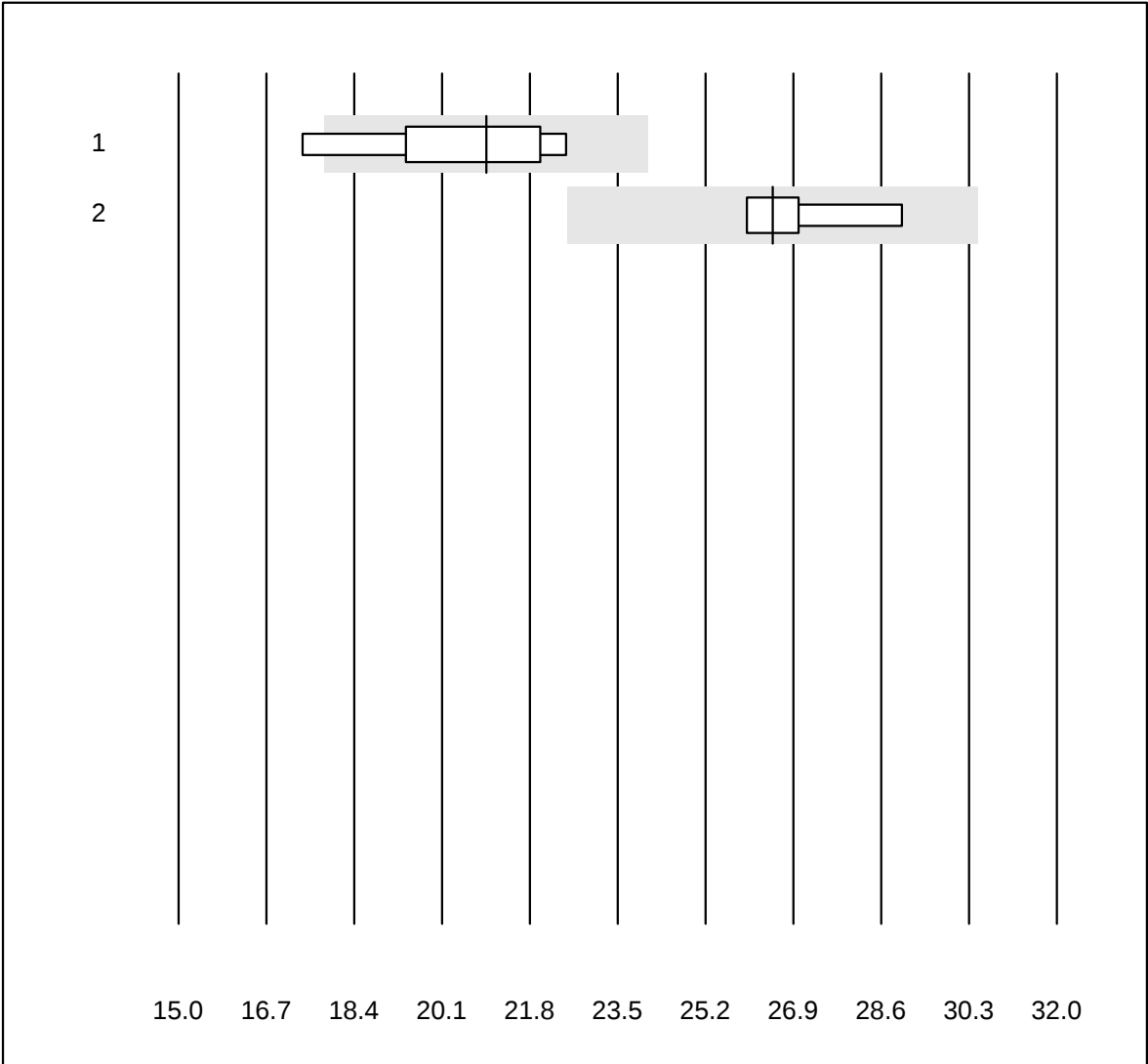


MQ tolerance : 15 % Fructosamine (μmol/l)

| No. | Methode            | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|--------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Standard chemistry | 4     | 100.0 | 0.0       | 0.0       | 514    | 5.2 | e*   |

One result was submitted but not published because the method group was too small. (< 4 results per group)

Bicarbonat



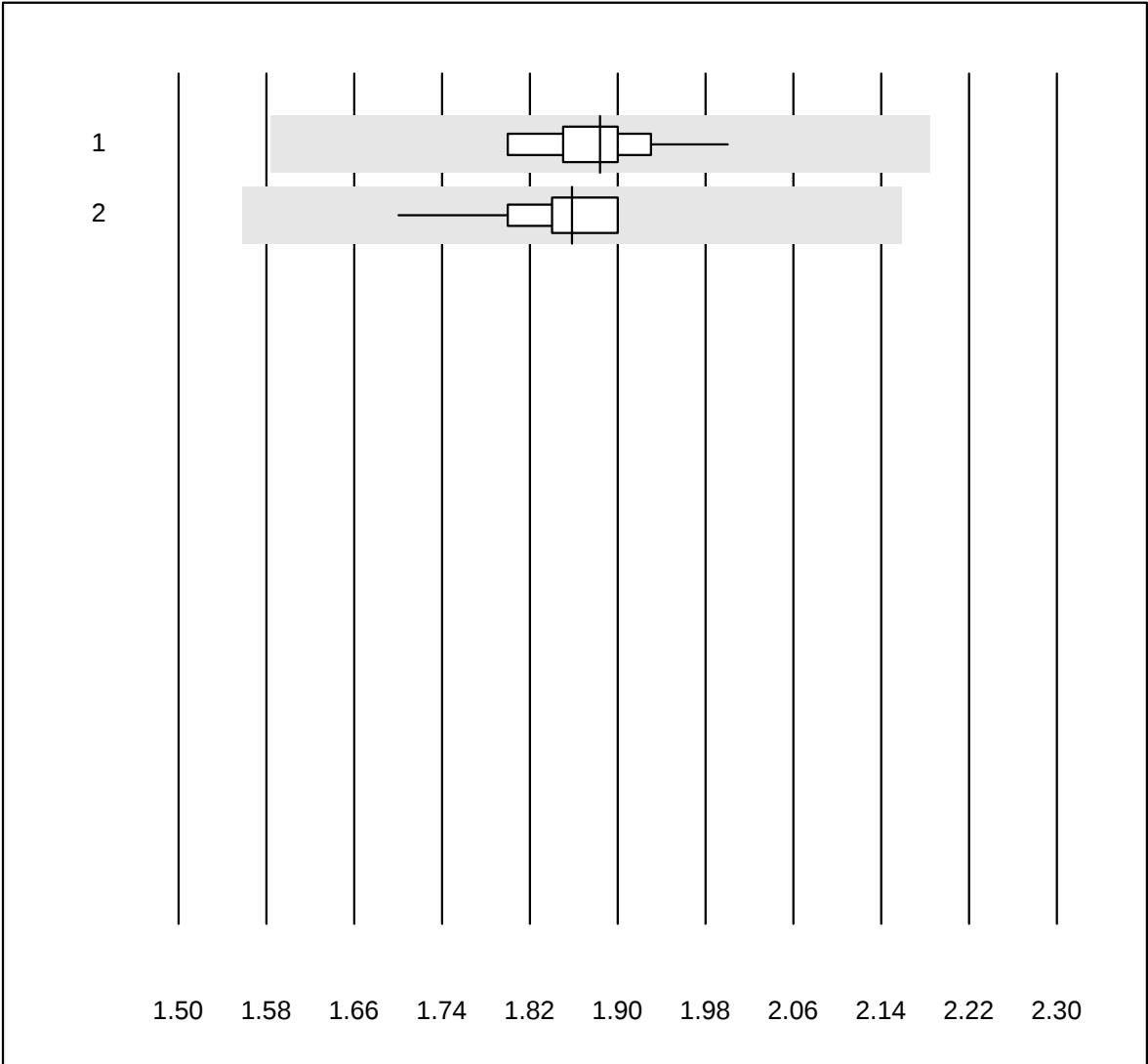
MQ tolerance : 15 %

Bicarbonat (mmol/l)

| No.Methode |              | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|--------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Roche, Cobas | 8     | 87.5  | 12.5      | 0.0       | 21.0   | 8.2 | e*   |
| 2          | Piccolo      | 4     | 100.0 | 0.0       | 0.0       | 26.5   | 5.2 | e*   |

4 additional results were submitted but not published because the method groups were too small. (< results per group)

Glucose CSF

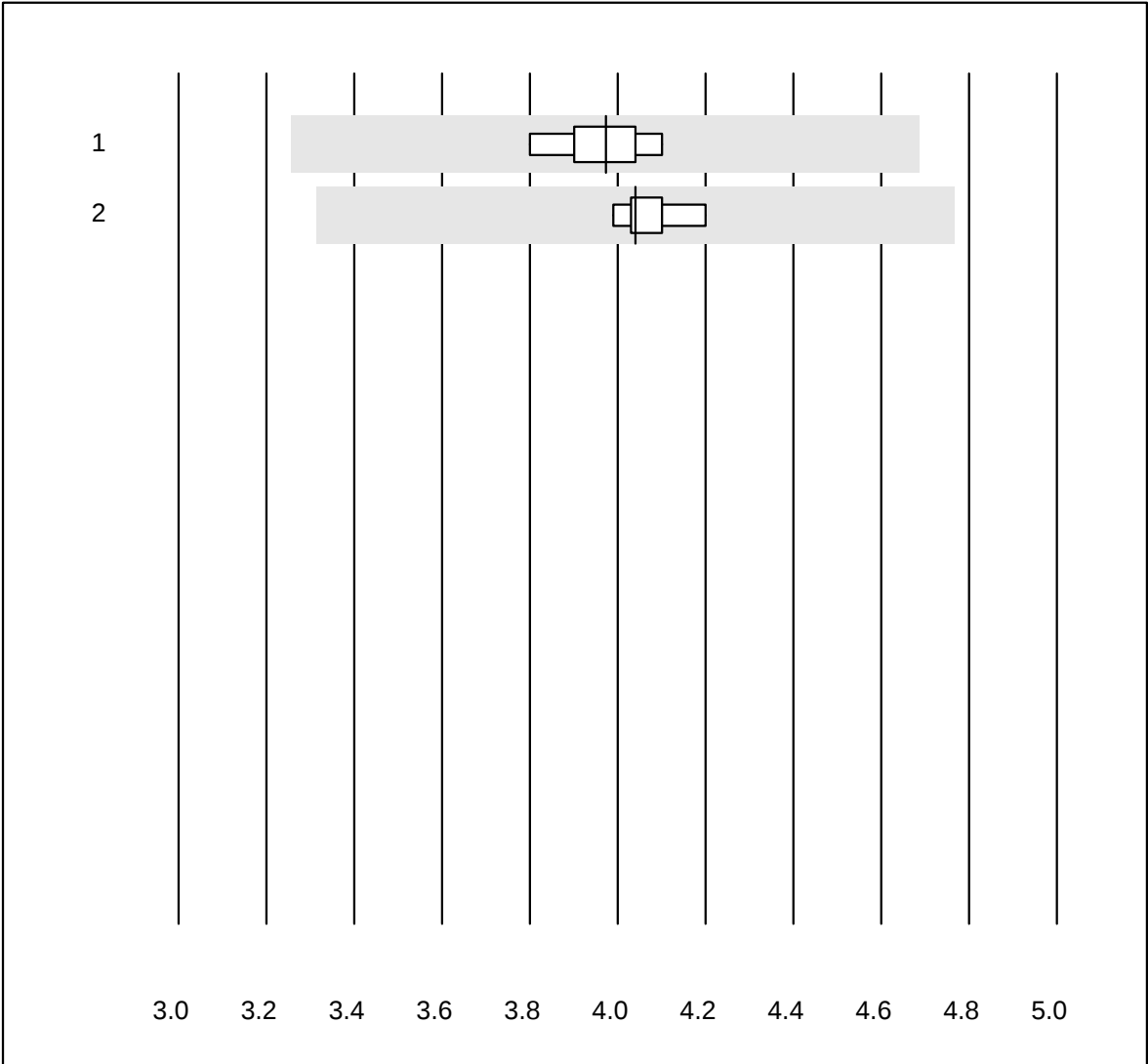


QUALAB tolerance : 9 %  
( < 3.30: +/- 0.30 mmol/l)

Glucose CSF (mmol/l)

| No.Methode |               | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|---------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Roche, Cobas  | 17    | 100.0 | 0.0       | 0.0       | 1.88   | 2.7 | e    |
| 2          | Other methods | 13    | 100.0 | 0.0       | 0.0       | 1.86   | 3.3 | e    |

Lactate CSF



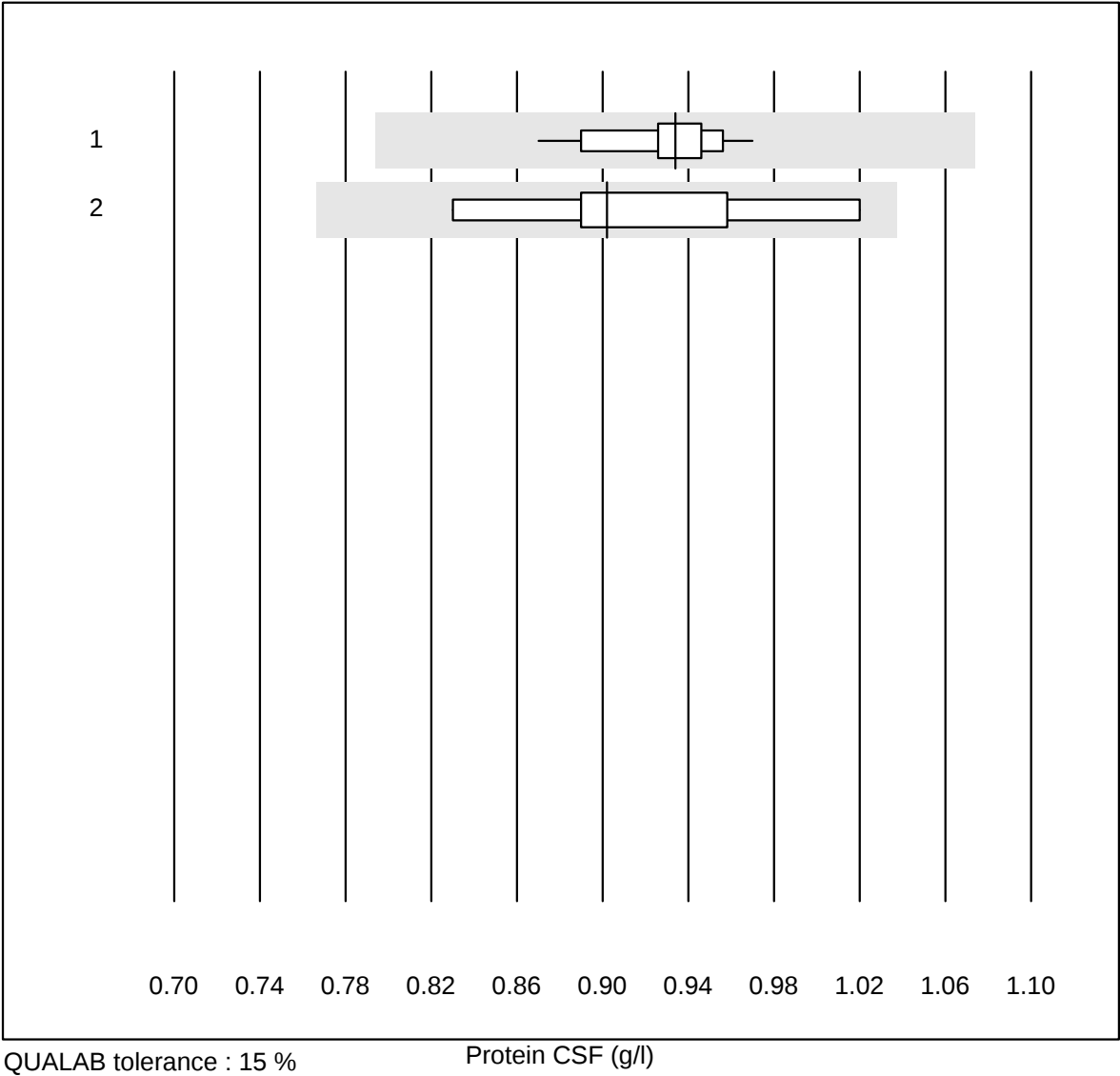
QUALAB tolerance : 18 %

Lactate CSF (mmol/l)

| No. | Methode       | Total | % OK | % insuff. | % outlier | Target | CV% | Type |
|-----|---------------|-------|------|-----------|-----------|--------|-----|------|
| 1   | Roche, Cobas  | 15    | 93.3 | 0.0       | 6.7       | 3.97   | 2.6 | e    |
| 2   | Other methods | 9     | 88.9 | 0.0       | 11.1      | 4.04   | 1.9 | e    |

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Protein CSF

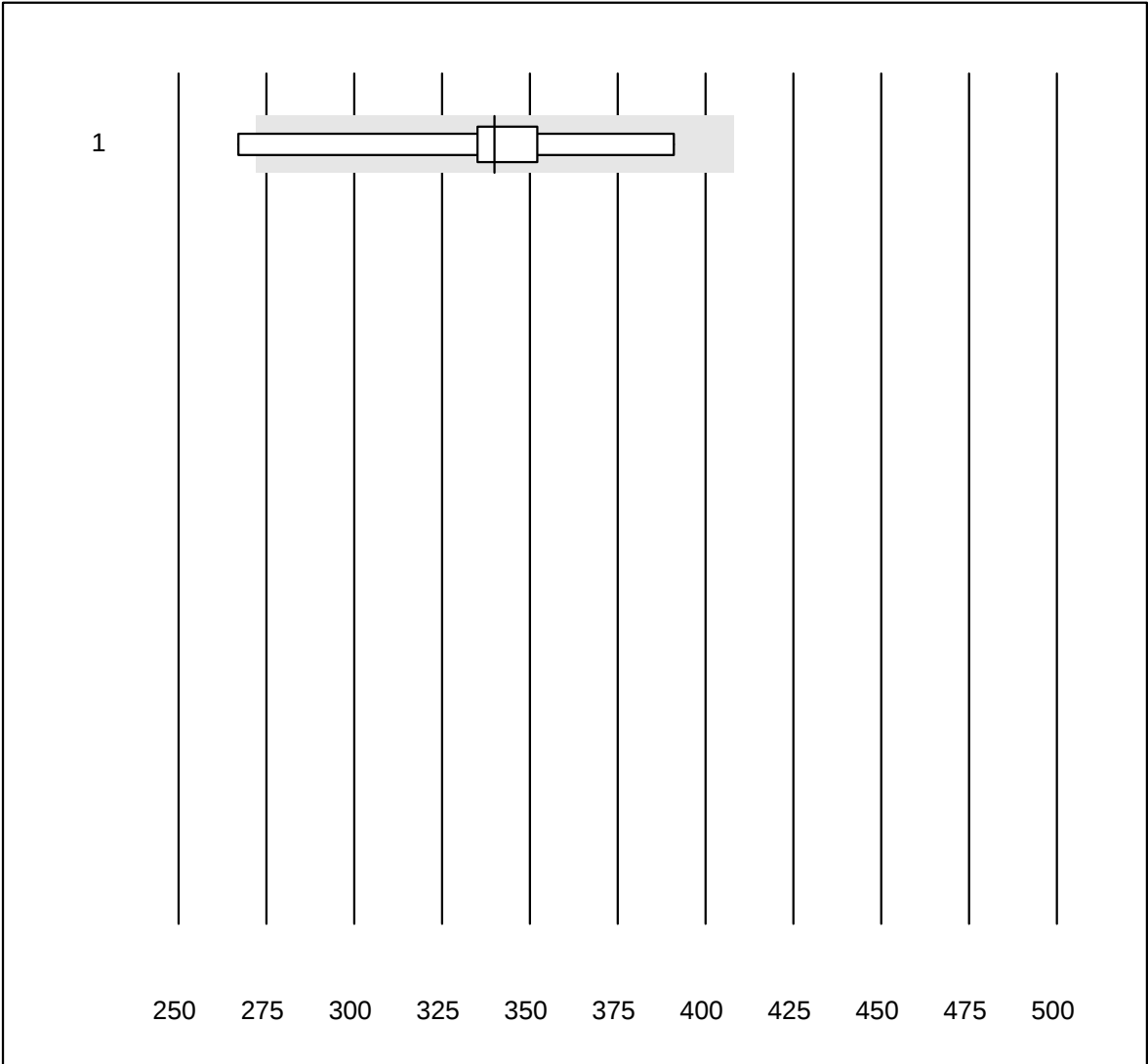


QUALAB tolerance : 15 %

| No.Methode |               | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|---------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Roche, Cobas  | 20    | 100.0 | 0.0       | 0.0       | 0.93   | 2.5 | e    |
| 2          | Other methods | 7     | 100.0 | 0.0       | 0.0       | 0.90   | 6.5 | e*   |

One result was submitted but not published because the method group was too small. (< 4 results per group)

Albumine CSF

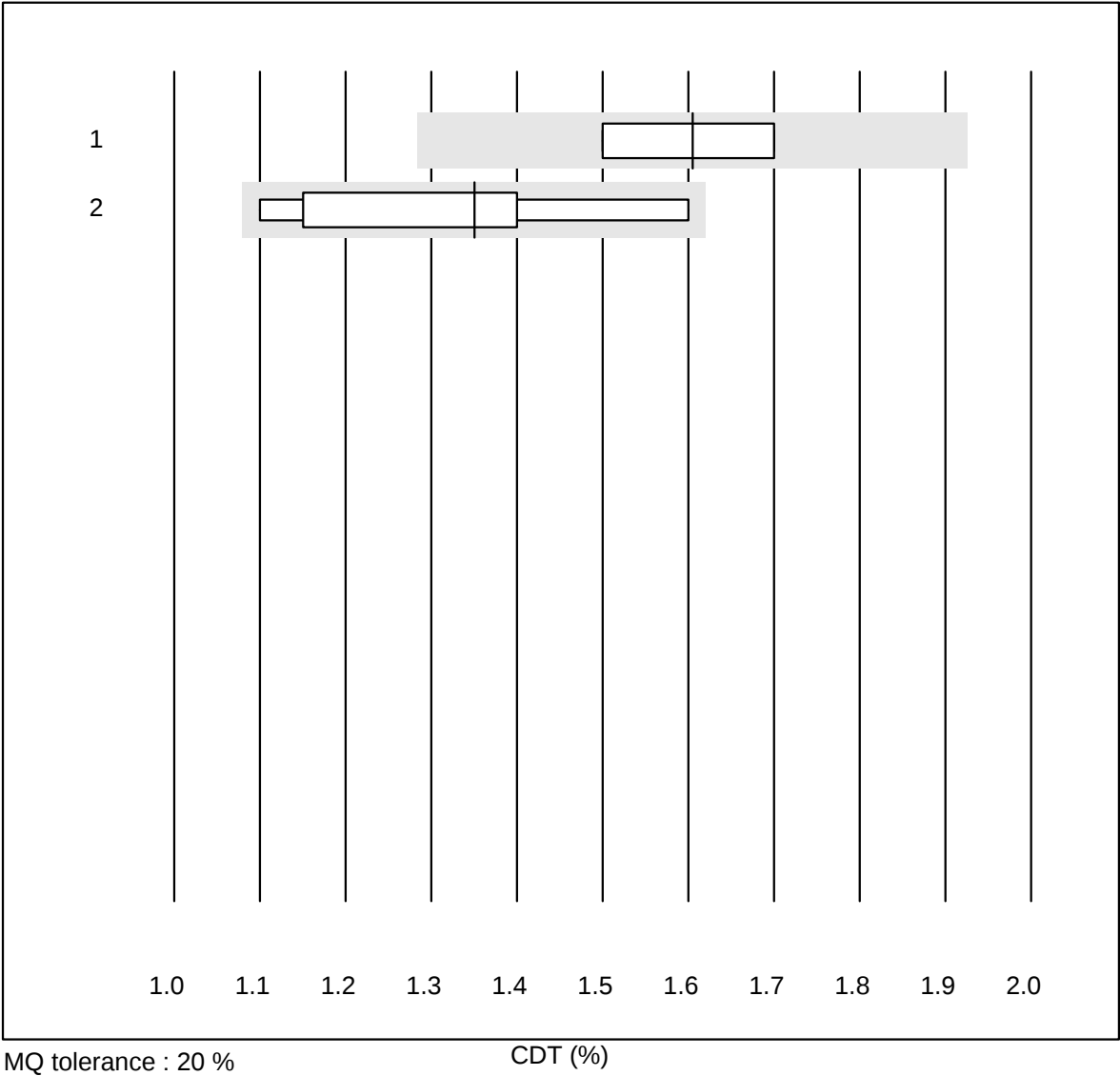


MQ tolerance : 20 %

Albumine CSF (mg/l)

| No.                                                                                                                   | Methode      | Total | % OK | % insuff. | % outlier | Target | CV%  | Type |
|-----------------------------------------------------------------------------------------------------------------------|--------------|-------|------|-----------|-----------|--------|------|------|
| 1                                                                                                                     | Roche, Cobas | 7     | 85.7 | 14.3      | 0.0       | 340.00 | 10.9 | e*   |
| 3 additional results were submitted but not published because the method groups were too small. (< results per group) |              |       |      |           |           |        |      |      |

CDT



MQ tolerance : 20 %

| No.Methode |               | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------|---------------|-------|-------|-----------|-----------|--------|------|------|
| 1          | Immunoassay   | 4     | 100.0 | 0.0       | 0.0       | 1.61   | 7.0  | e*   |
| 2          | Other methods | 6     | 100.0 | 0.0       | 0.0       | 1.35   | 14.4 | a    |

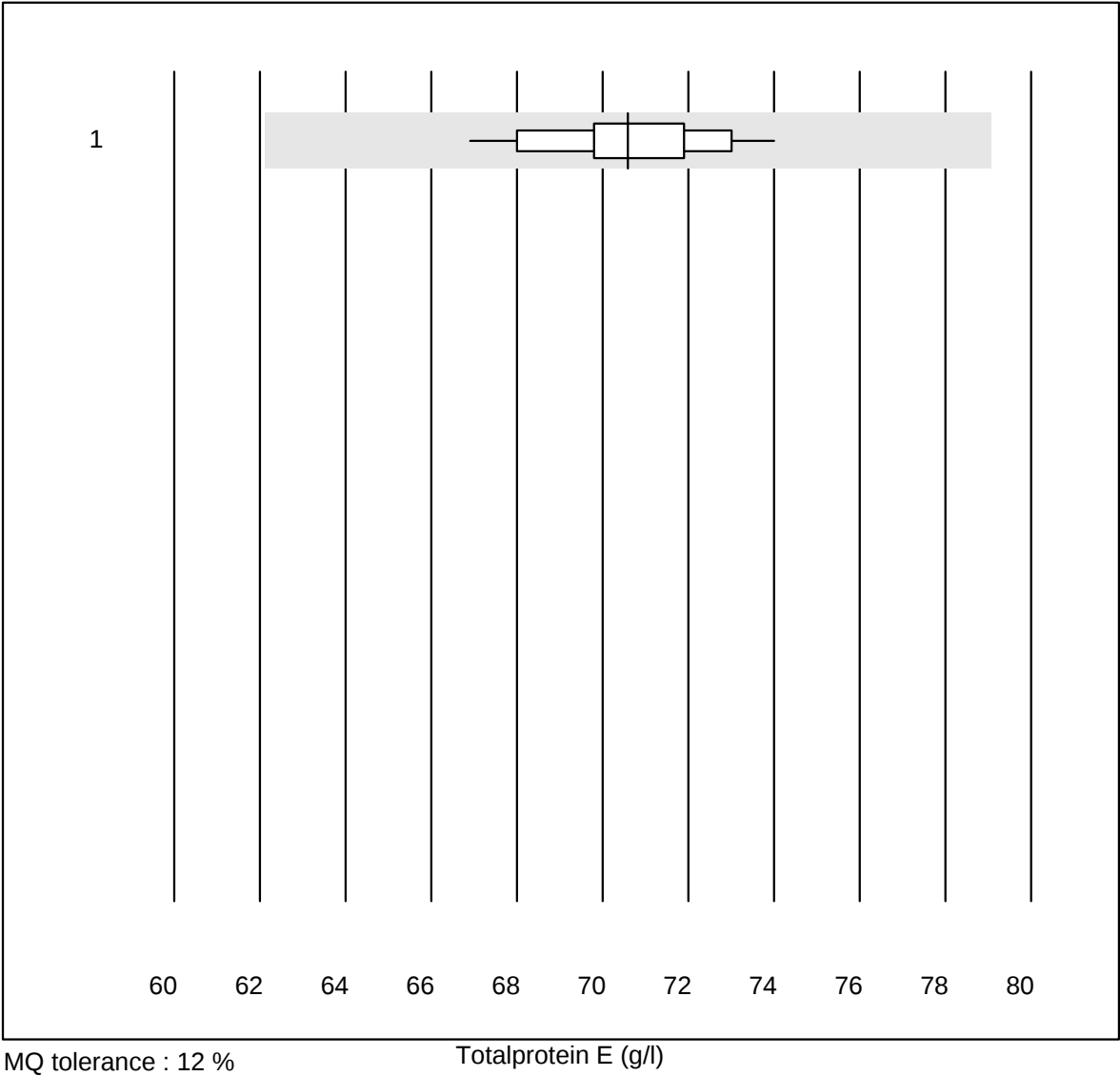
Tacrolimus



MQ tolerance : 25 %

| No.Methode |                  | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | all Participants | 12    | 100.0 | 0.0       | 0.0       | 16.2   | 5.3 | e    |

Totalprotein E

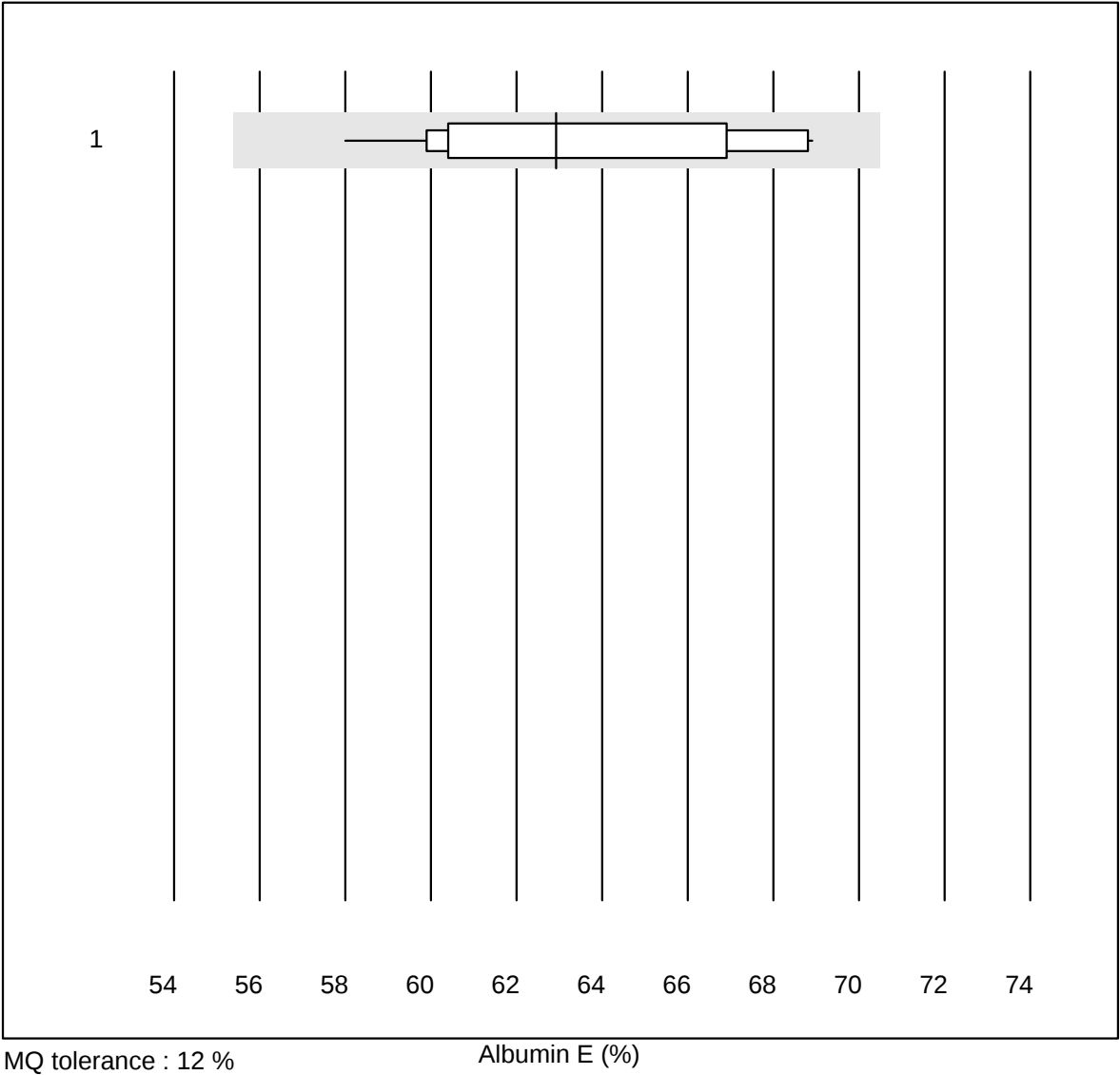


MQ tolerance : 12 %

Totalprotein E (g/l)

| No.Methode |                  | Total | % OK | % insuff. | % outlier | Target | CV% | Type |
|------------|------------------|-------|------|-----------|-----------|--------|-----|------|
| 1          | all Participants | 20    | 95.0 | 0.0       | 5.0       | 70.6   | 2.4 | e    |

Albumin E

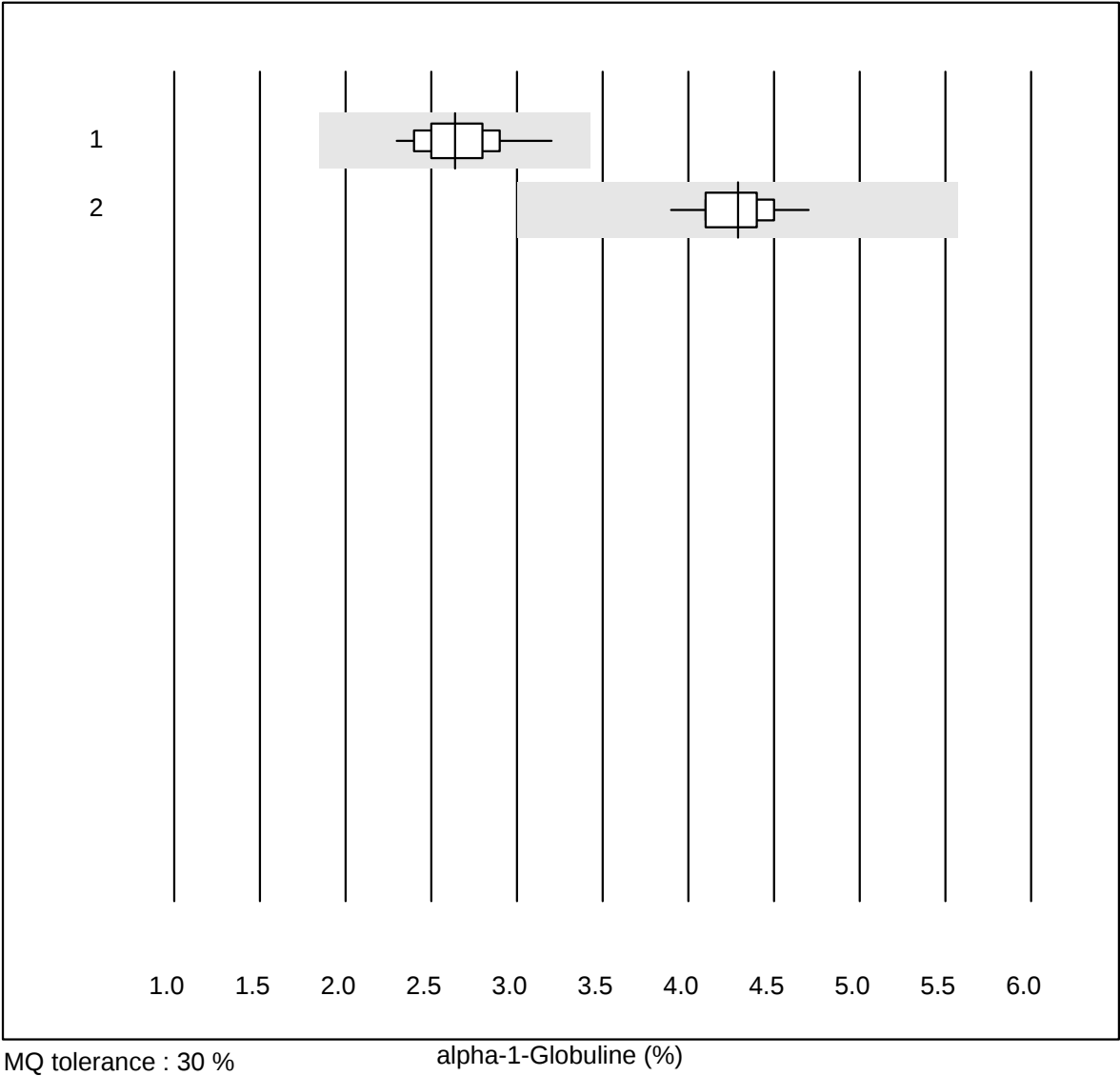


MQ tolerance : 12 %

Albumin E (%)

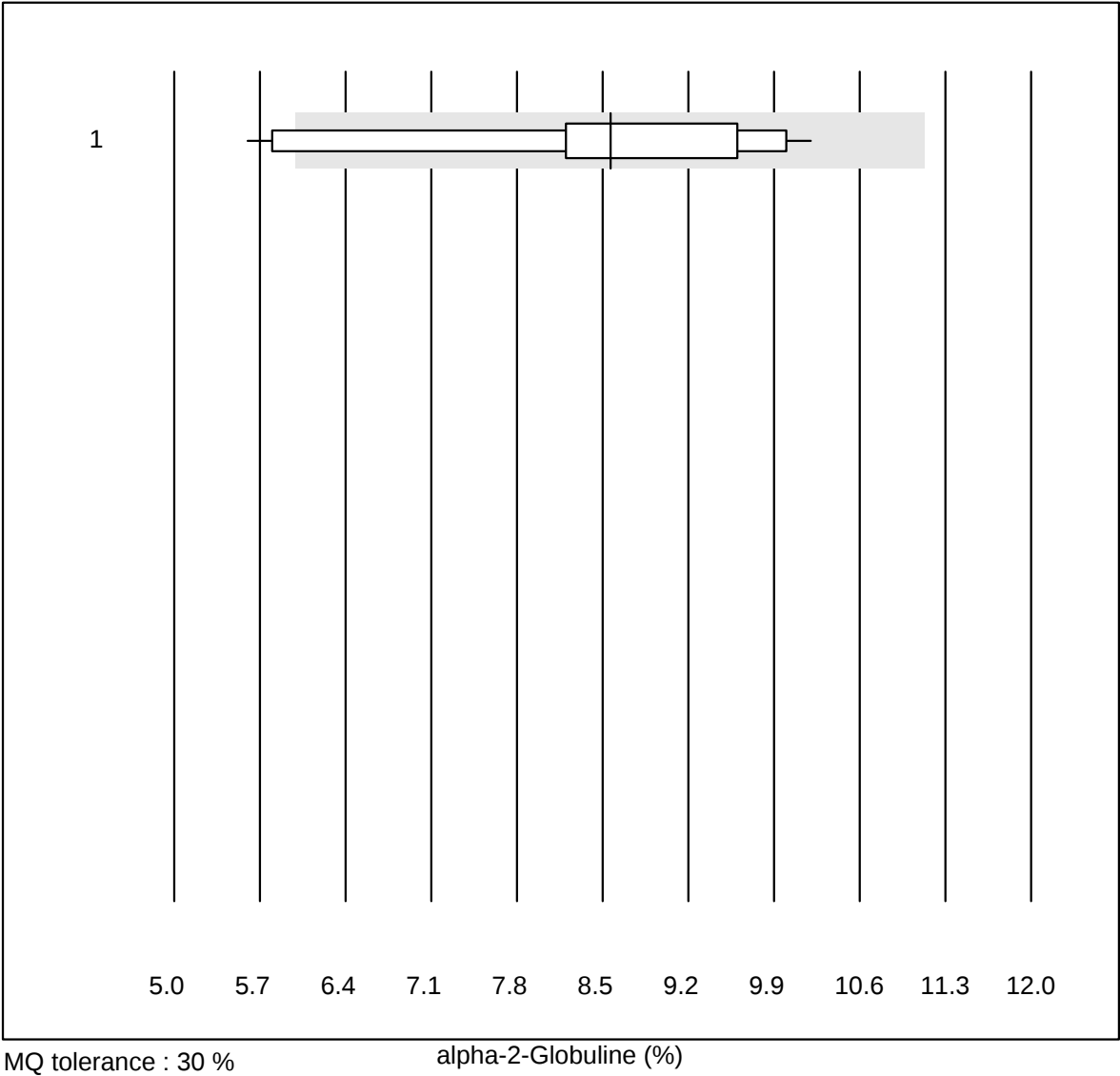
| No.Methode |                 | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|-----------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Electrophoresis | 33    | 100.0 | 0.0       | 0.0       | 62.9   | 5.7 | e    |

alpha-1-Globuline



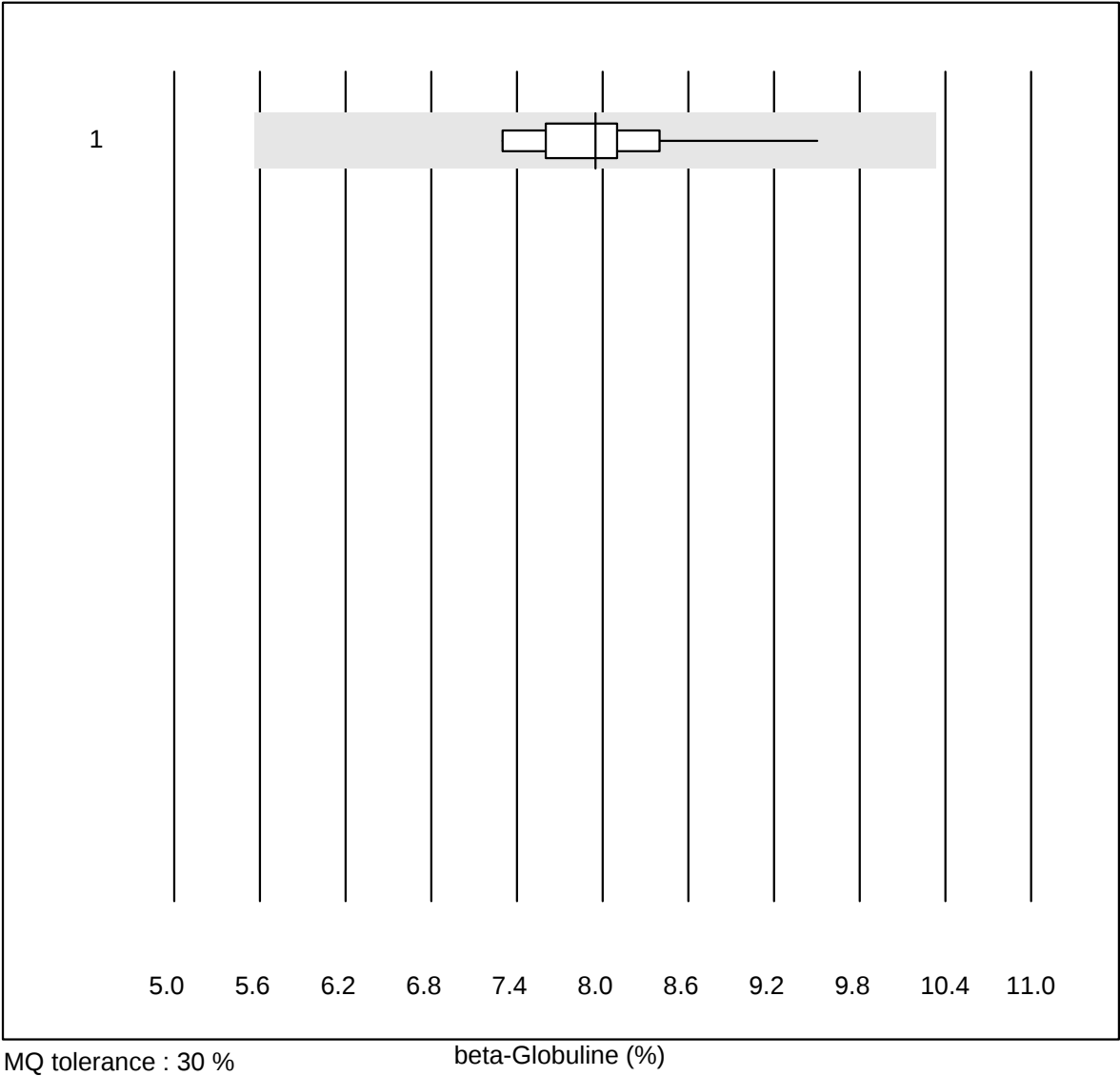
| No.Methode |                      | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|----------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Electrophoresis      | 13    | 100.0 | 0.0       | 0.0       | 2.6    | 9.1 | e    |
| 2          | capillary electropho | 20    | 100.0 | 0.0       | 0.0       | 4.3    | 4.3 | e    |

alpha-2-Globuline



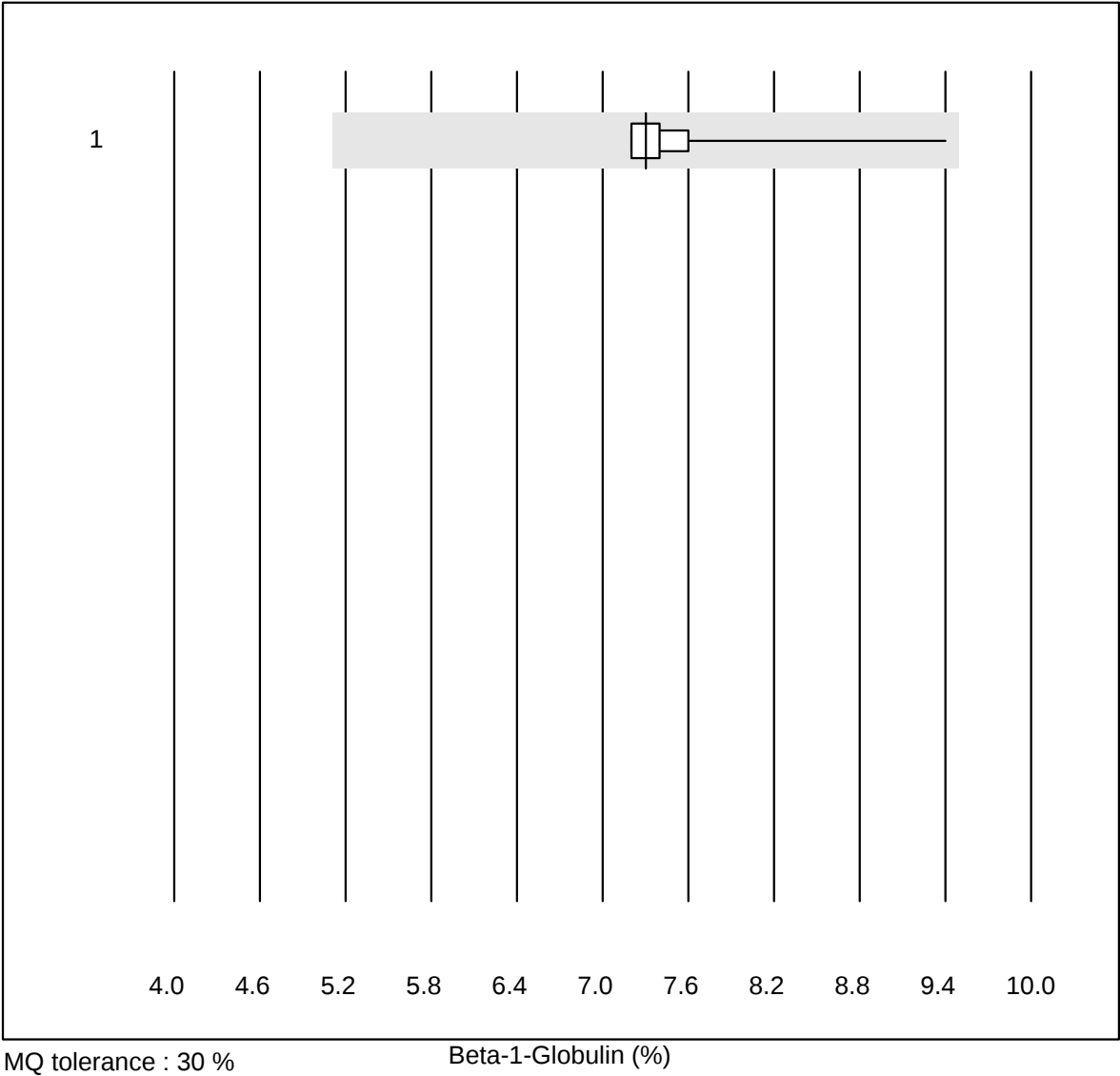
| No. | Methode         | Total | % OK | % insuff. | % outlier | Target | CV%  | Type |
|-----|-----------------|-------|------|-----------|-----------|--------|------|------|
| 1   | Electrophoresis | 33    | 81.8 | 15.2      | 3.0       | 8.6    | 16.3 | e    |

beta-Globuline



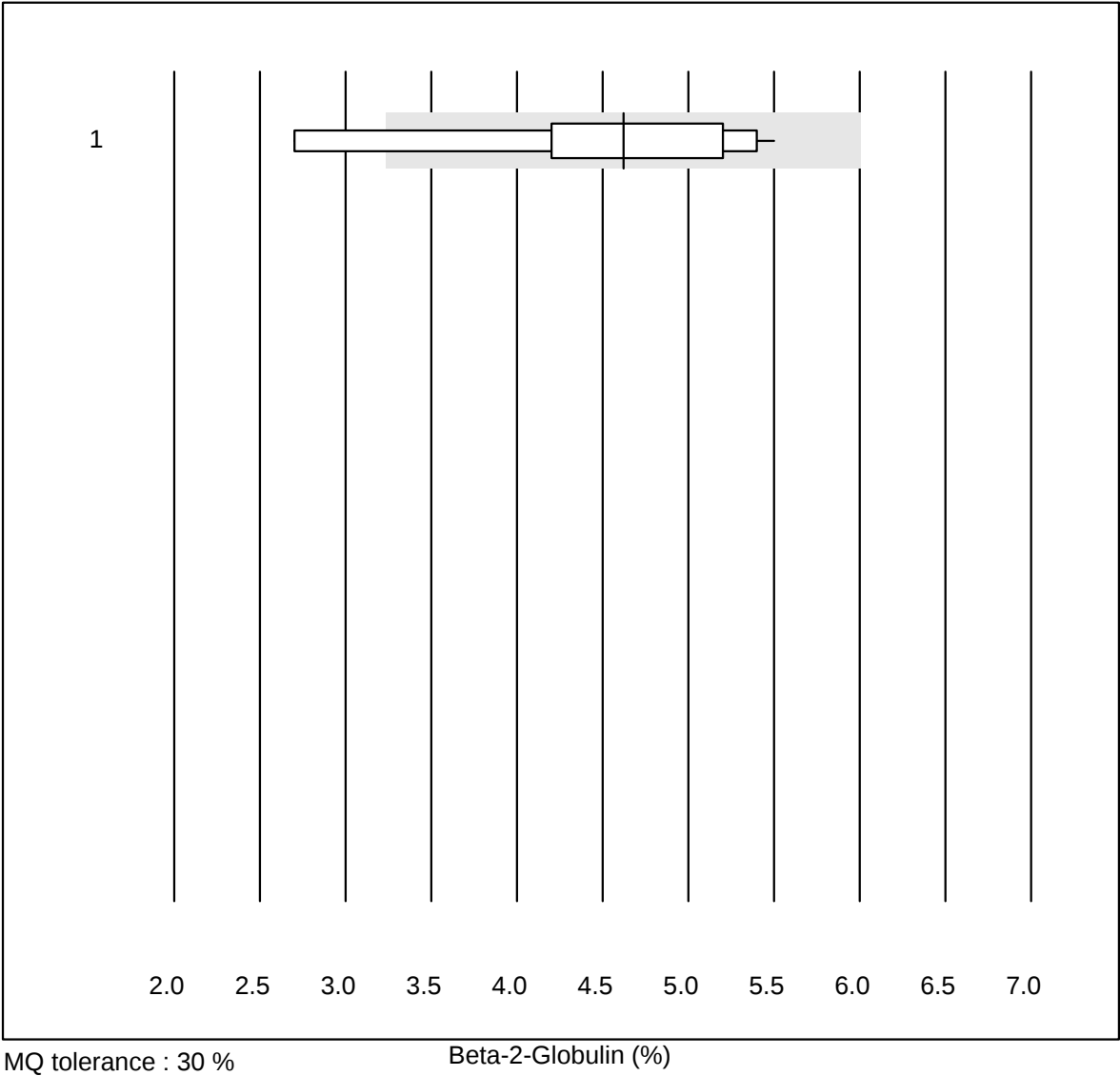
| No.Methode |                 | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|-----------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Electrophoresis | 10    | 100.0 | 0.0       | 0.0       | 8.0    | 8.0 | e    |

Beta-1-Globulin



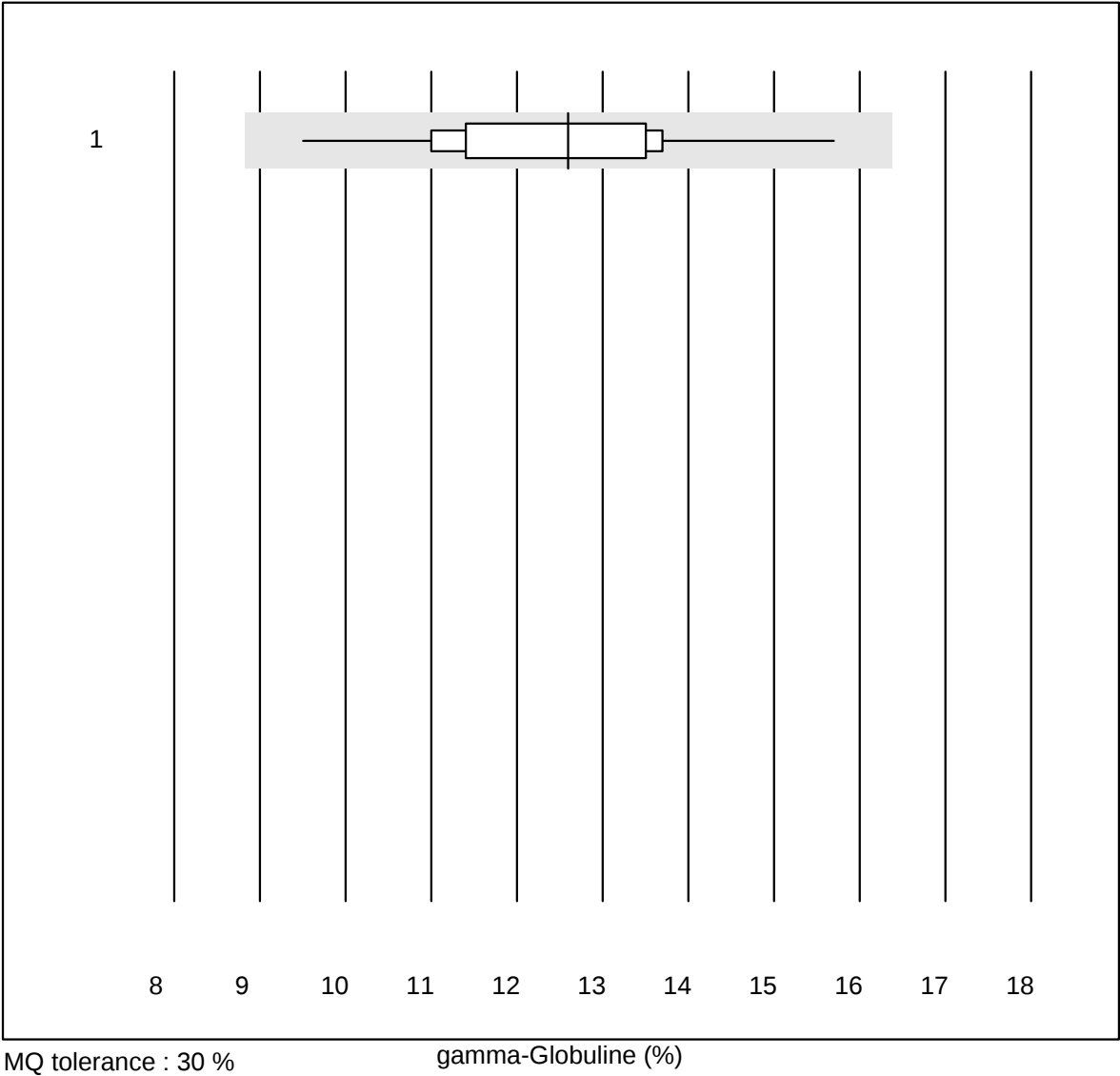
| No.Methode |                 | Total | % OK | % insuff. | % outlier | Target | CV% | Type |
|------------|-----------------|-------|------|-----------|-----------|--------|-----|------|
| 1          | Electrophoresis | 13    | 76.9 | 0.0       | 23.1      | 7.3    | 8.9 | a    |

Beta-2-Globulin



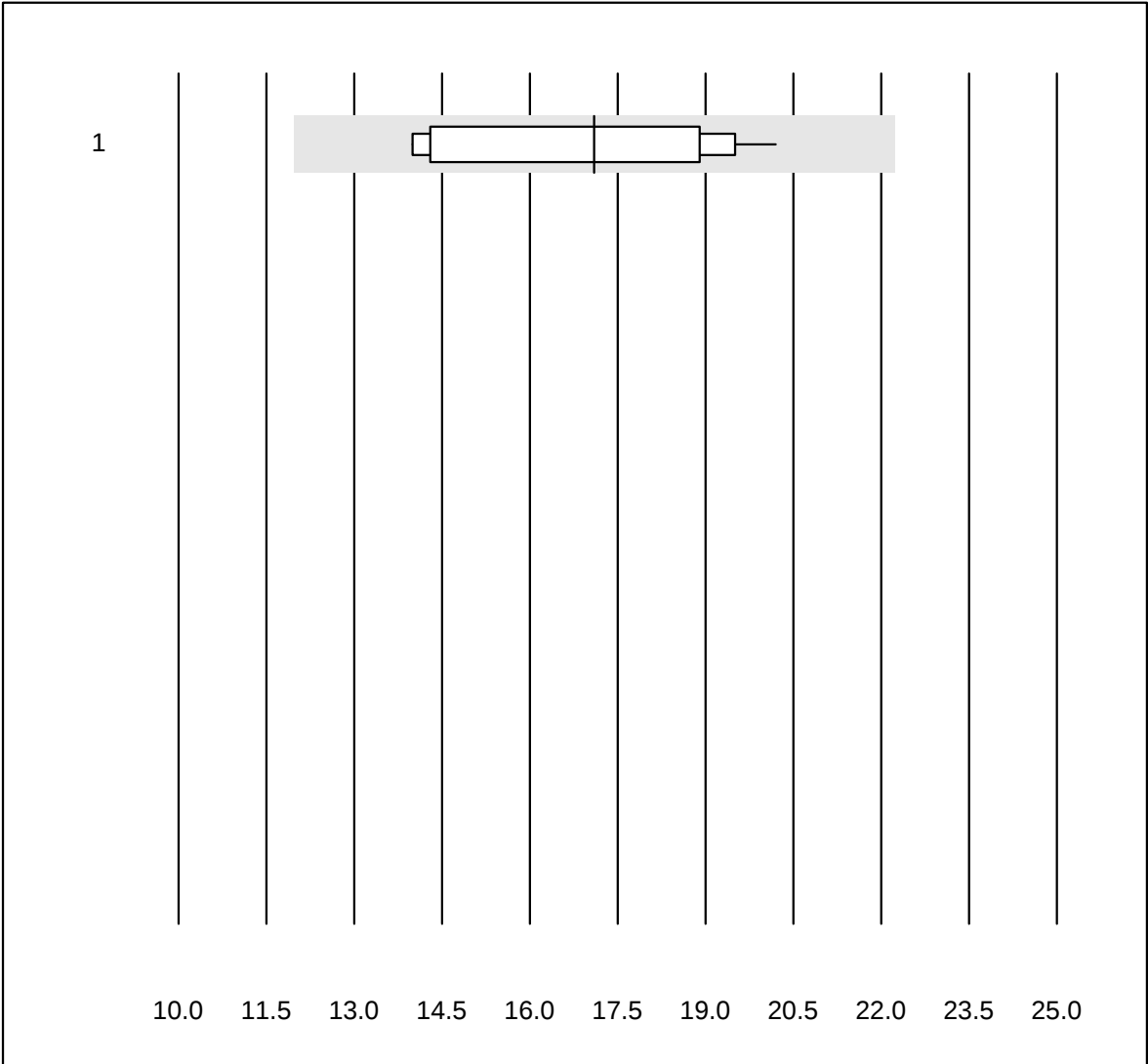
| No.Methode |                 | Total | % OK | % insuff. | % outlier | Target | CV%  | Type |
|------------|-----------------|-------|------|-----------|-----------|--------|------|------|
| 1          | Electrophoresis | 12    | 75.0 | 8.3       | 16.7      | 4.6    | 19.1 | e*   |

gamma-Globuline



| No.Methode |                 | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------|-----------------|-------|-------|-----------|-----------|--------|------|------|
| 1          | Electrophoresis | 20    | 100.0 | 0.0       | 0.0       | 12.6   | 11.9 | a    |

Gamma-Globuline+P

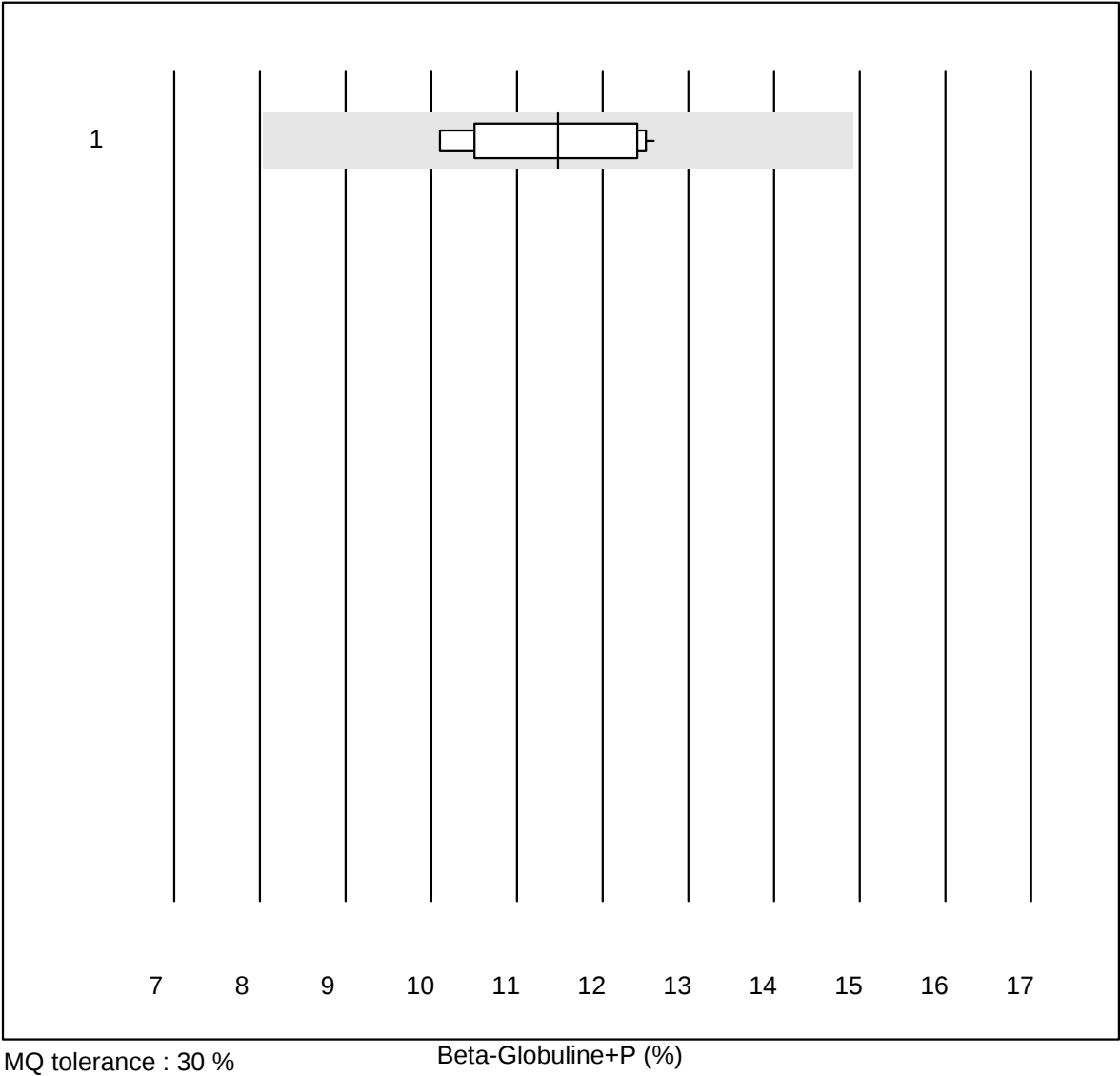


MQ tolerance : 30 %

Gamma-Globuline+P (%)

| No.Methode |                 | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------|-----------------|-------|-------|-----------|-----------|--------|------|------|
| 1          | Electrophoresis | 13    | 100.0 | 0.0       | 0.0       | 17.1   | 15.5 | a    |

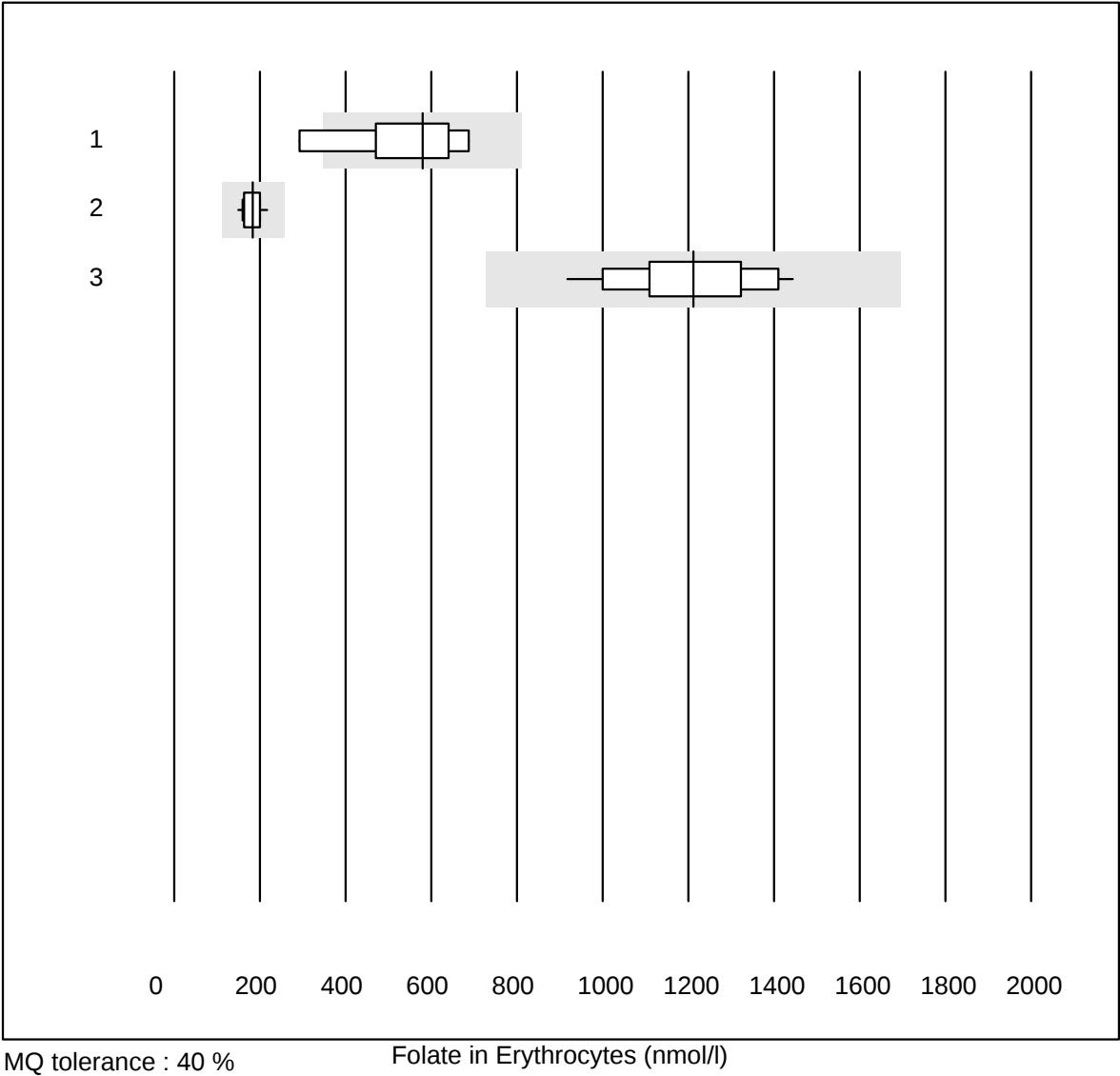
Beta-Globuline+P



MQ tolerance : 30 %

| No.Methode |                 | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|-----------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Electrophoresis | 10    | 100.0 | 0.0       | 0.0       | 11.5   | 8.6 | e    |

Folate in Erythrocytes

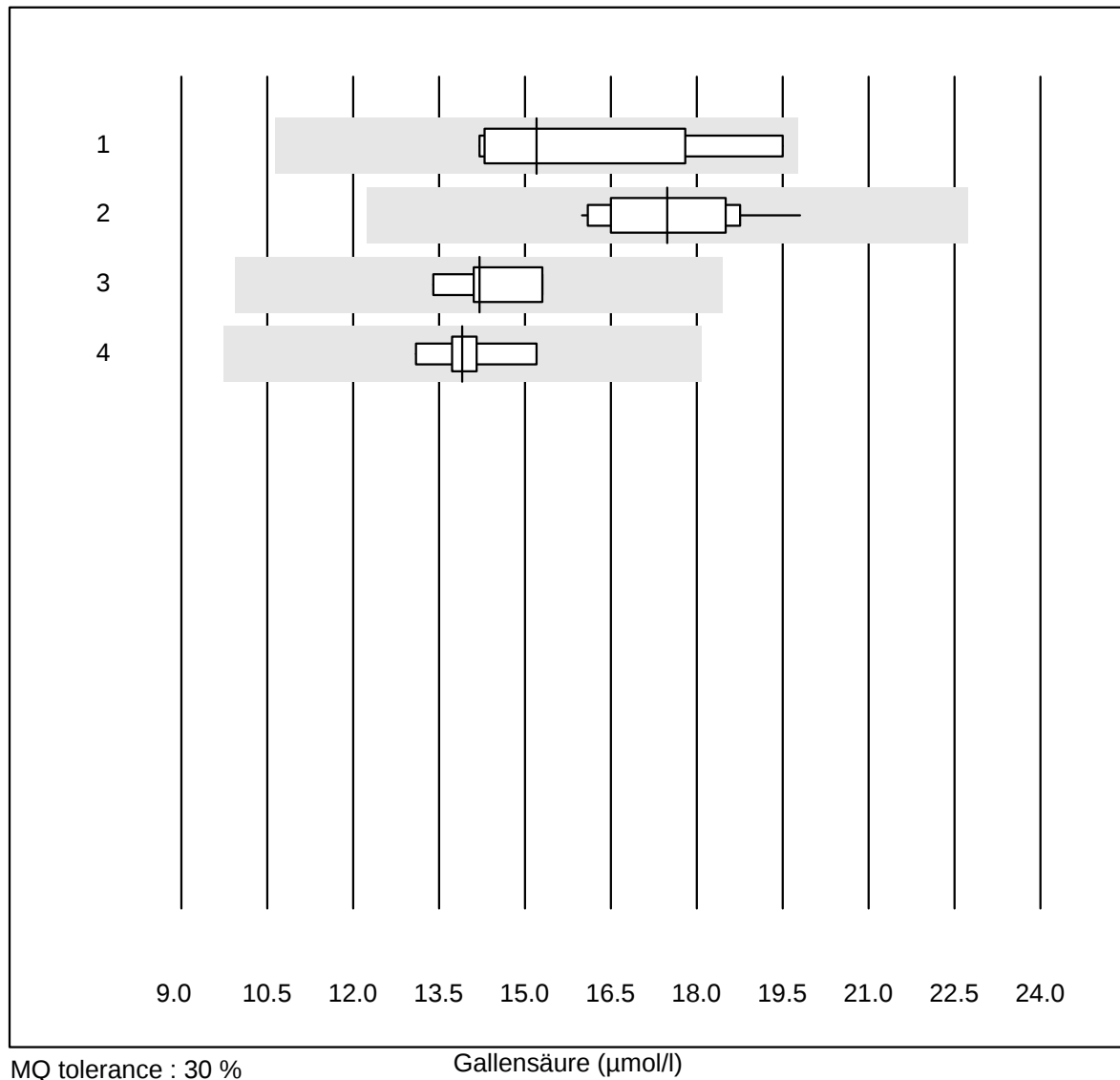


MQ tolerance : 40 %

Folate in Erythrocytes (nmol/l)

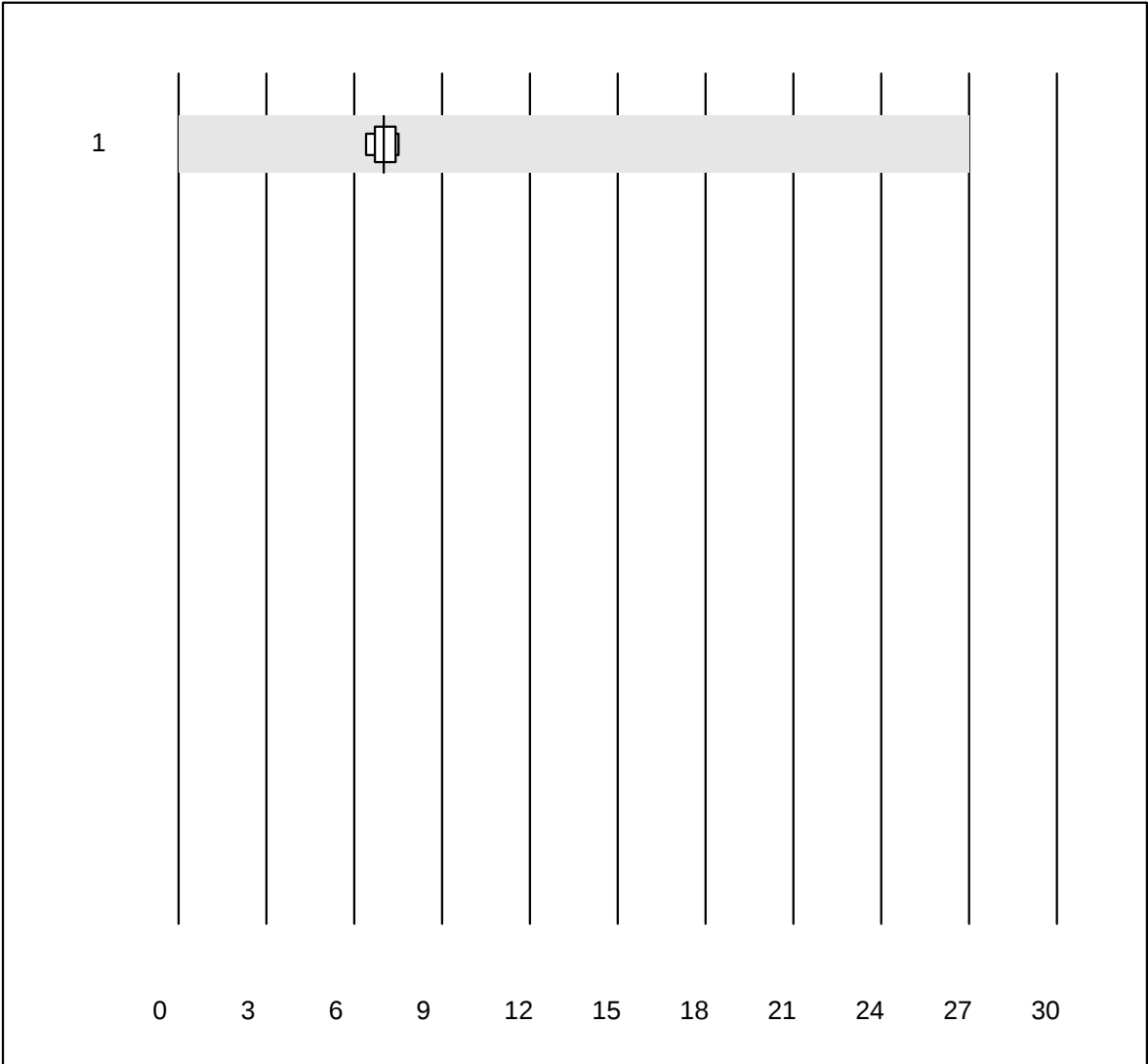
| No.Methode |              | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------|--------------|-------|-------|-----------|-----------|--------|------|------|
| 1          | Siemens      | 5     | 80.0  | 20.0      | 0.0       | 580    | 30.4 | a    |
| 2          | Abbott       | 11    | 100.0 | 0.0       | 0.0       | 184    | 11.1 | e    |
| 3          | Roche, Cobas | 26    | 96.2  | 0.0       | 3.8       | 1212   | 12.1 | e    |

## Gallensäure



| No. | Methode       | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----|---------------|-------|-------|-----------|-----------|--------|------|------|
| 1   | Other methods | 7     | 100.0 | 0.0       | 0.0       | 15.2   | 12.3 | e*   |
| 2   | Roche         | 12    | 100.0 | 0.0       | 0.0       | 17.5   | 7.0  | e    |
| 3   | Abbott        | 6     | 100.0 | 0.0       | 0.0       | 14.2   | 5.2  | e    |
| 4   | Siemens       | 6     | 100.0 | 0.0       | 0.0       | 13.9   | 4.9  | e    |

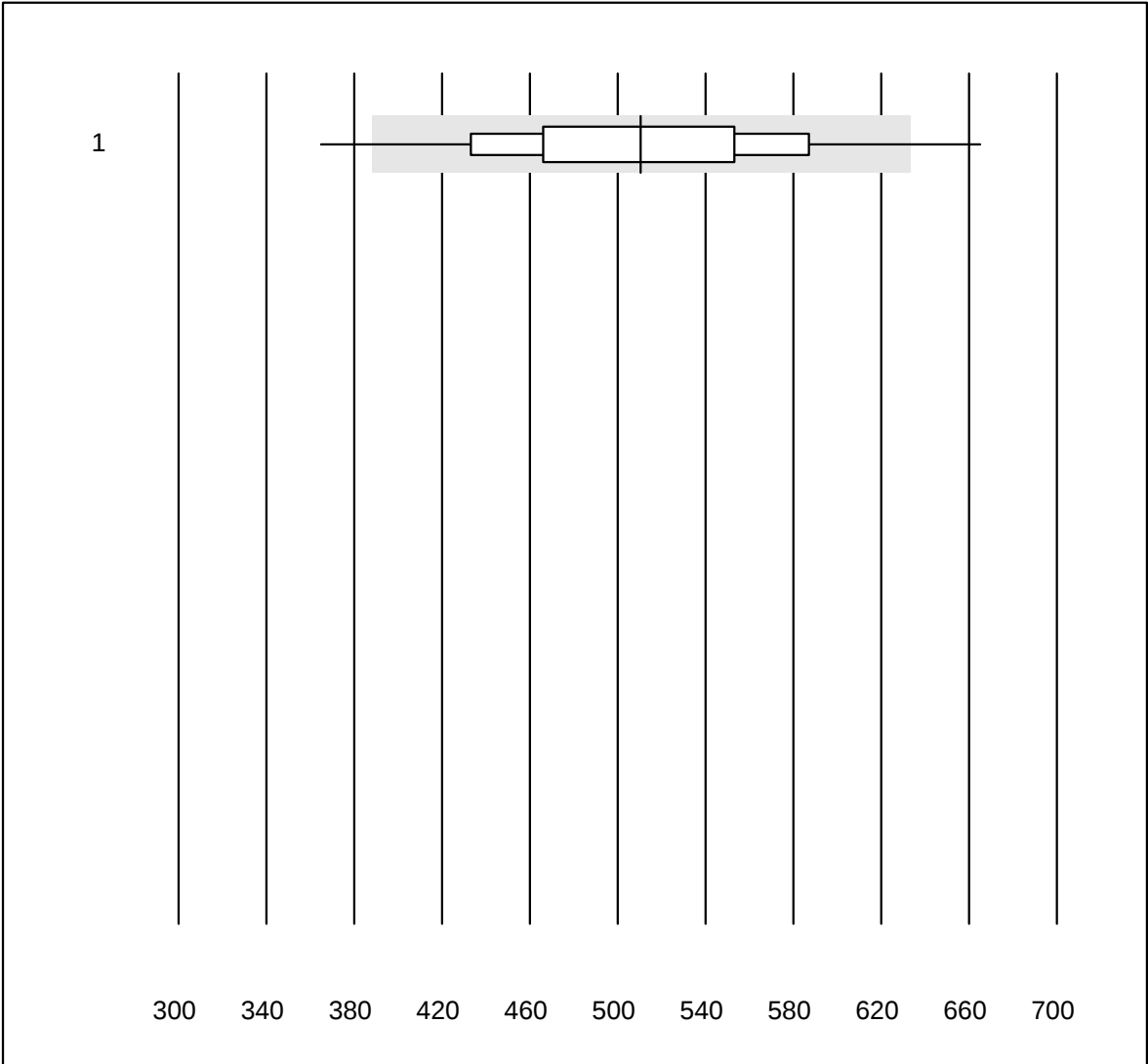
BNP



QUALAB tolerance : 27 %  
( < 75.0: +/- 20.0 ng/l)

| No.Methode |        | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|--------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Triage | 5     | 100.0 | 0.0       | 0.0       | 7.0    | 6.6 | e    |

Troponin I Triage



QUALAB tolerance : 24 %

Troponin I Triage (ng/l)

| No. | Methode              | Total | % OK | % insuff. | % outlier | Target | CV%  | Type |
|-----|----------------------|-------|------|-----------|-----------|--------|------|------|
| 1   | Triage high sensitiv | 286   | 95.9 | 2.4       | 1.7       | 510.50 | 11.5 | e    |

One result was submitted but not pubished because the method group was too small. (< 4 results per group)

NT-pro BNP

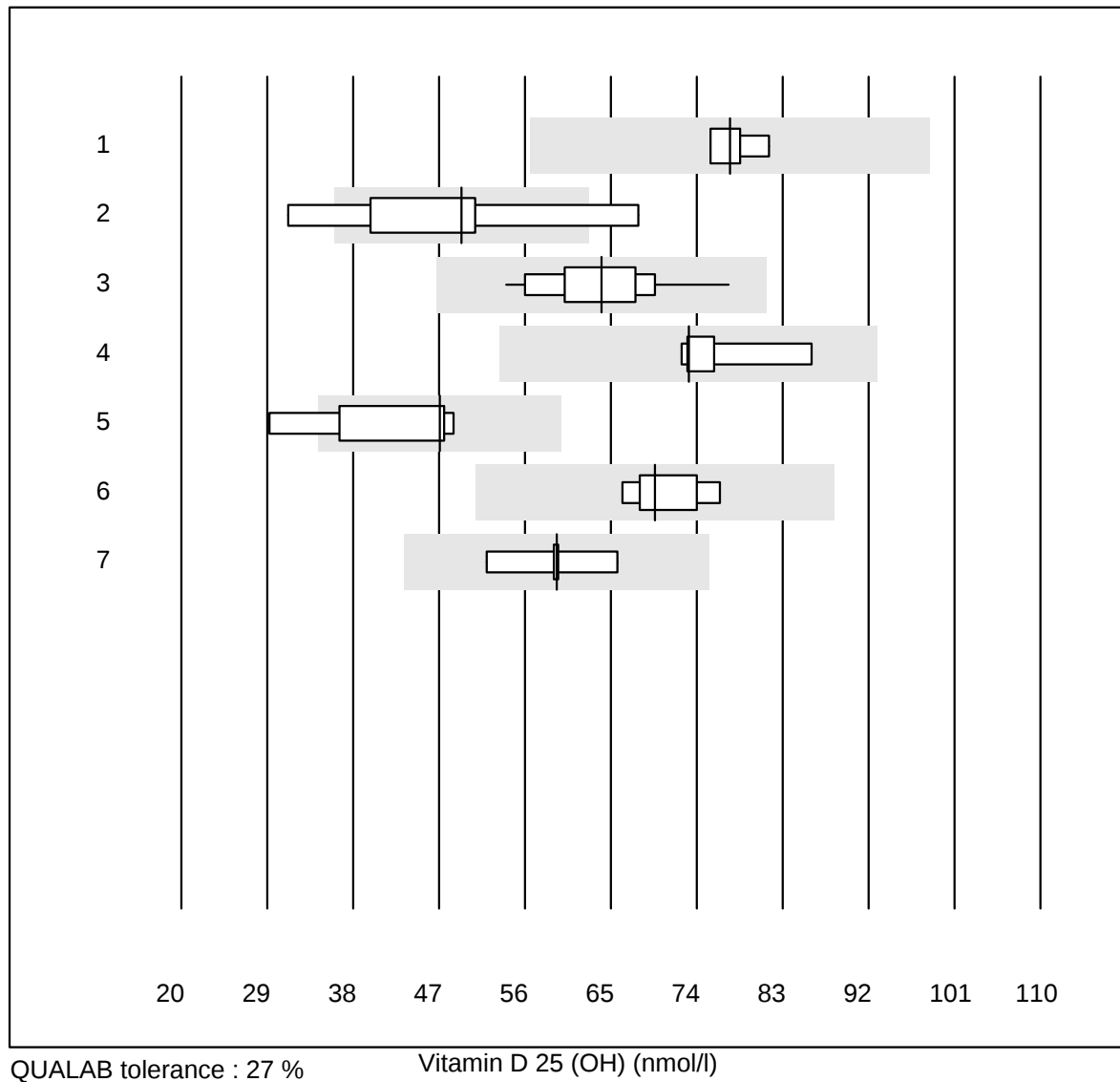


QUALAB tolerance : 27 %

NT-pro BNP (ng/l)

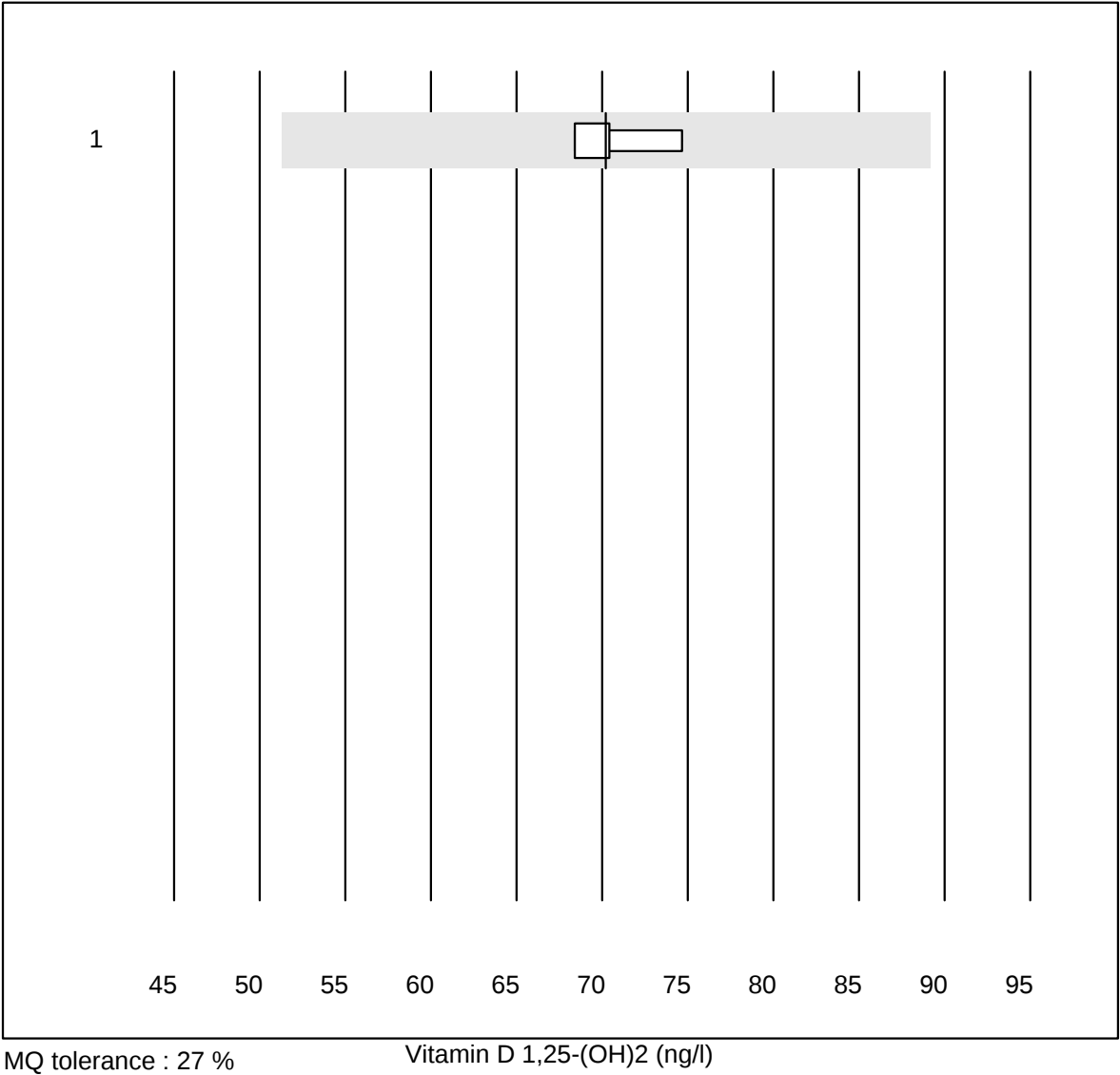
| No.Methode |        | Total | % OK | % insuff. | % outlier | Target | CV%  | Type |
|------------|--------|-------|------|-----------|-----------|--------|------|------|
| 1          | Triage | 156   | 91.6 | 2.6       | 5.8       | 180    | 12.9 | e    |

## Vitamin D 25 (OH)



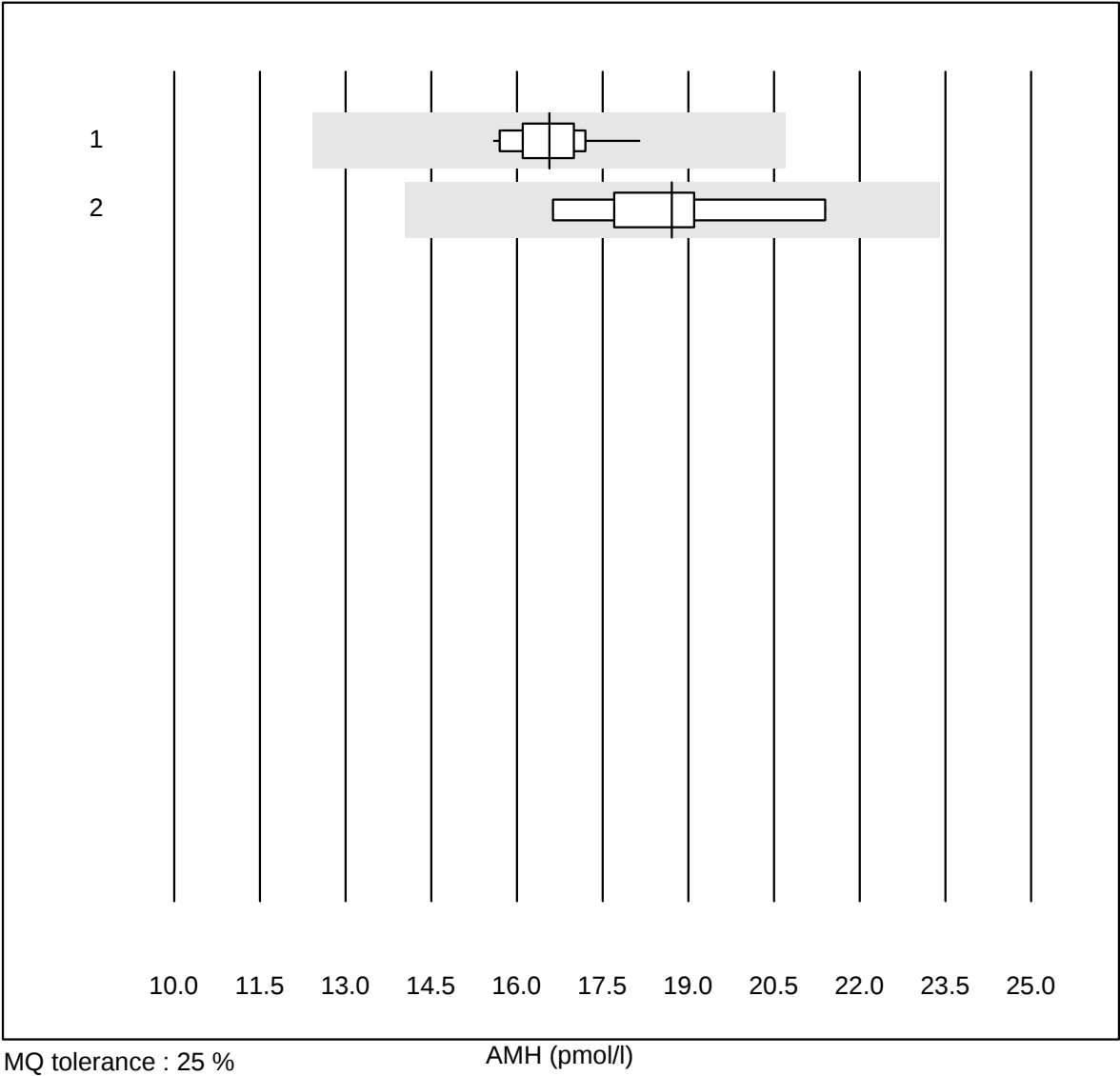
| No. | Methode             | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----|---------------------|-------|-------|-----------|-----------|--------|------|------|
| 1   | LCMS                | 4     | 100.0 | 0.0       | 0.0       | 77.5   | 3.4  | a    |
| 2   | AFIAS               | 8     | 75.0  | 25.0      | 0.0       | 49.3   | 22.7 | e*   |
| 3   | Cobas               | 22    | 100.0 | 0.0       | 0.0       | 64.0   | 9.1  | e    |
| 4   | VIDAS               | 5     | 100.0 | 0.0       | 0.0       | 73.1   | 7.5  | e*   |
| 5   | Other methods       | 5     | 80.0  | 20.0      | 0.0       | 47.1   | 20.4 | e*   |
| 6   | Abbott              | 9     | 100.0 | 0.0       | 0.0       | 69.6   | 5.1  | e    |
| 7   | ADVIA Centaur XP/CP | 5     | 100.0 | 0.0       | 0.0       | 59.3   | 8.2  | e*   |

Vitamin D 1,25-(OH)2



| No.Methode |               | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|---------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Other methods | 4     | 100.0 | 0.0       | 0.0       | 70.2   | 3.8 | e    |

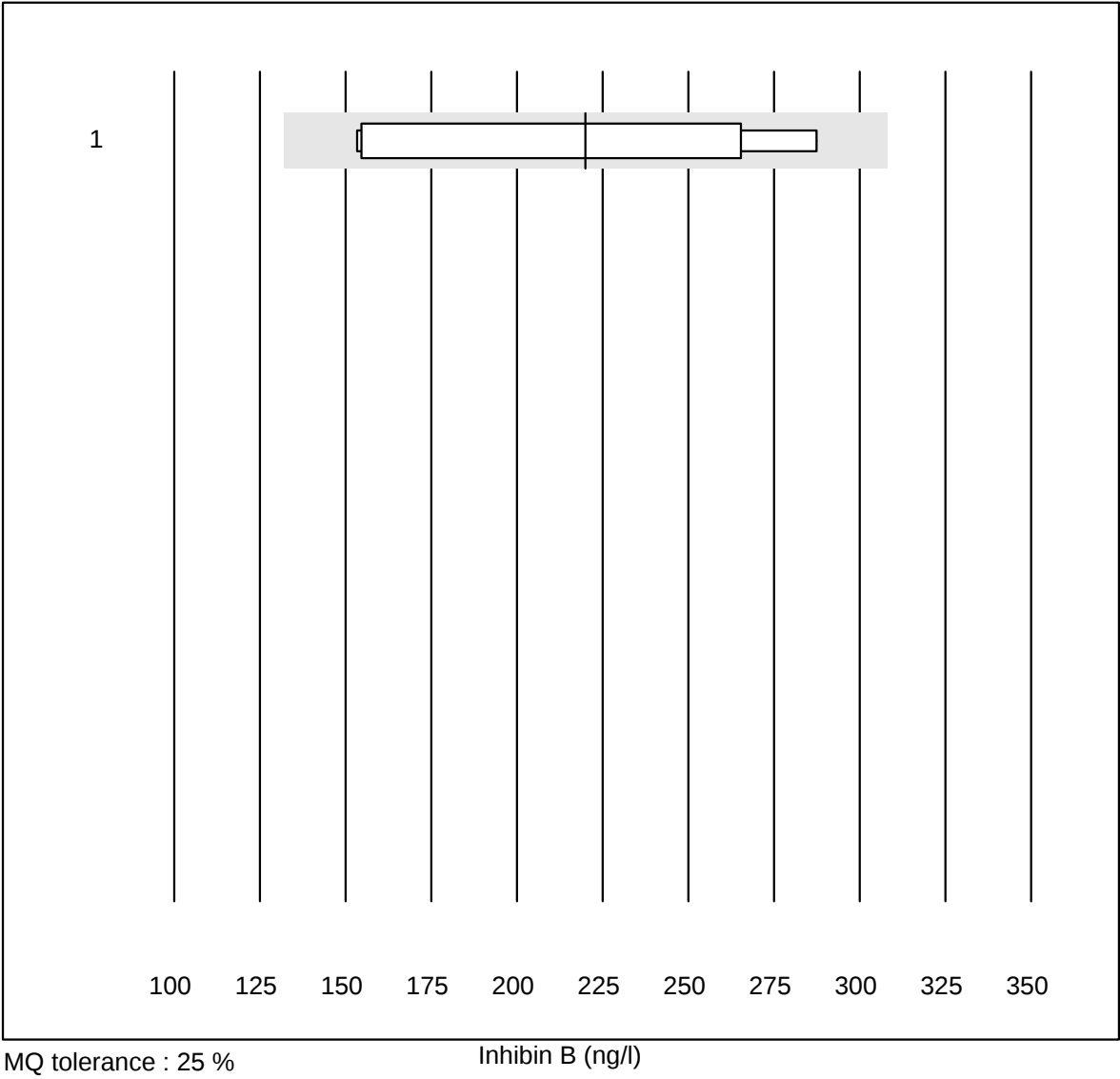
AMH



MQ tolerance : 25 %

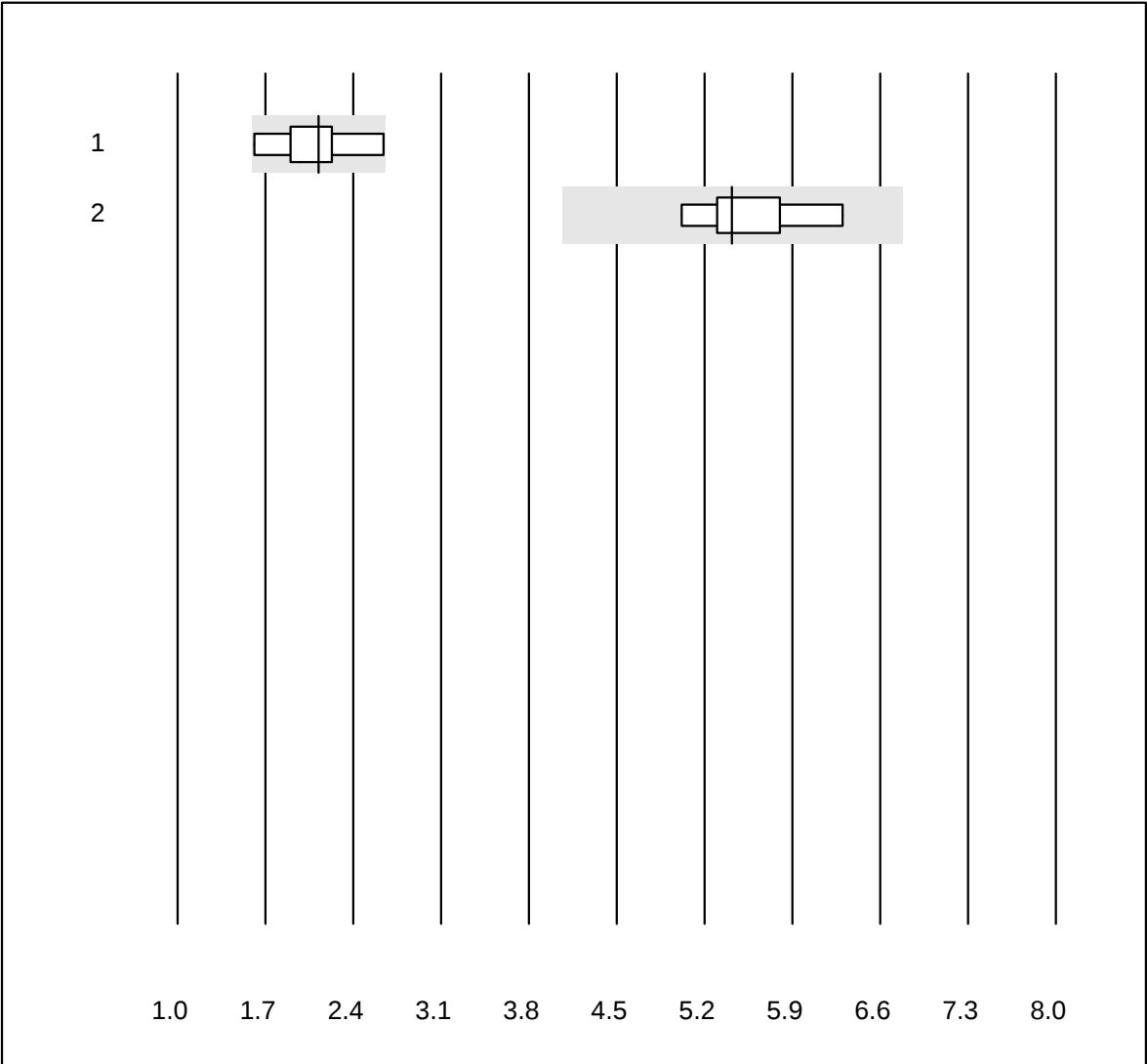
| No.Methode |              | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|--------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Roche, Cobas | 17    | 100.0 | 0.0       | 0.0       | 16.6   | 3.9 | e    |
| 2          | Beckman      | 5     | 100.0 | 0.0       | 0.0       | 18.7   | 9.9 | a    |

Inhibin B



| No.Methode |                  | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------|------------------|-------|-------|-----------|-----------|--------|------|------|
| 1          | all Participants | 7     | 100.0 | 0.0       | 0.0       | 220.0  | 28.3 | a    |

# Calcitonin

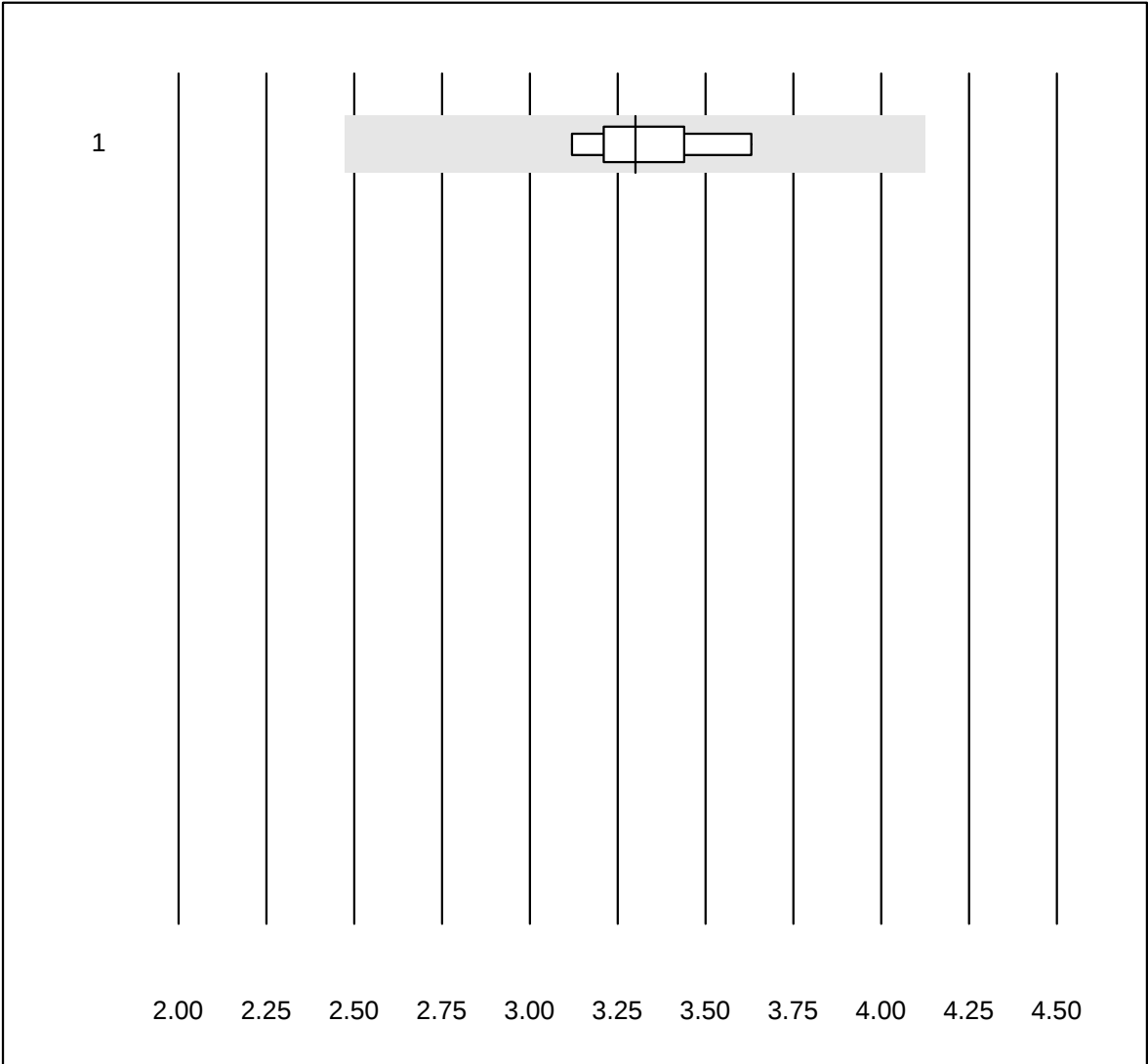


MQ tolerance : 25 %

Calcitonin (pmol/l)

| No. | Methode       | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----|---------------|-------|-------|-----------|-----------|--------|------|------|
| 1   | Liaison       | 5     | 100.0 | 0.0       | 0.0       | 2.1    | 19.0 | a    |
| 2   | Other methods | 7     | 100.0 | 0.0       | 0.0       | 5.4    | 7.5  | e    |

IGF-BP3

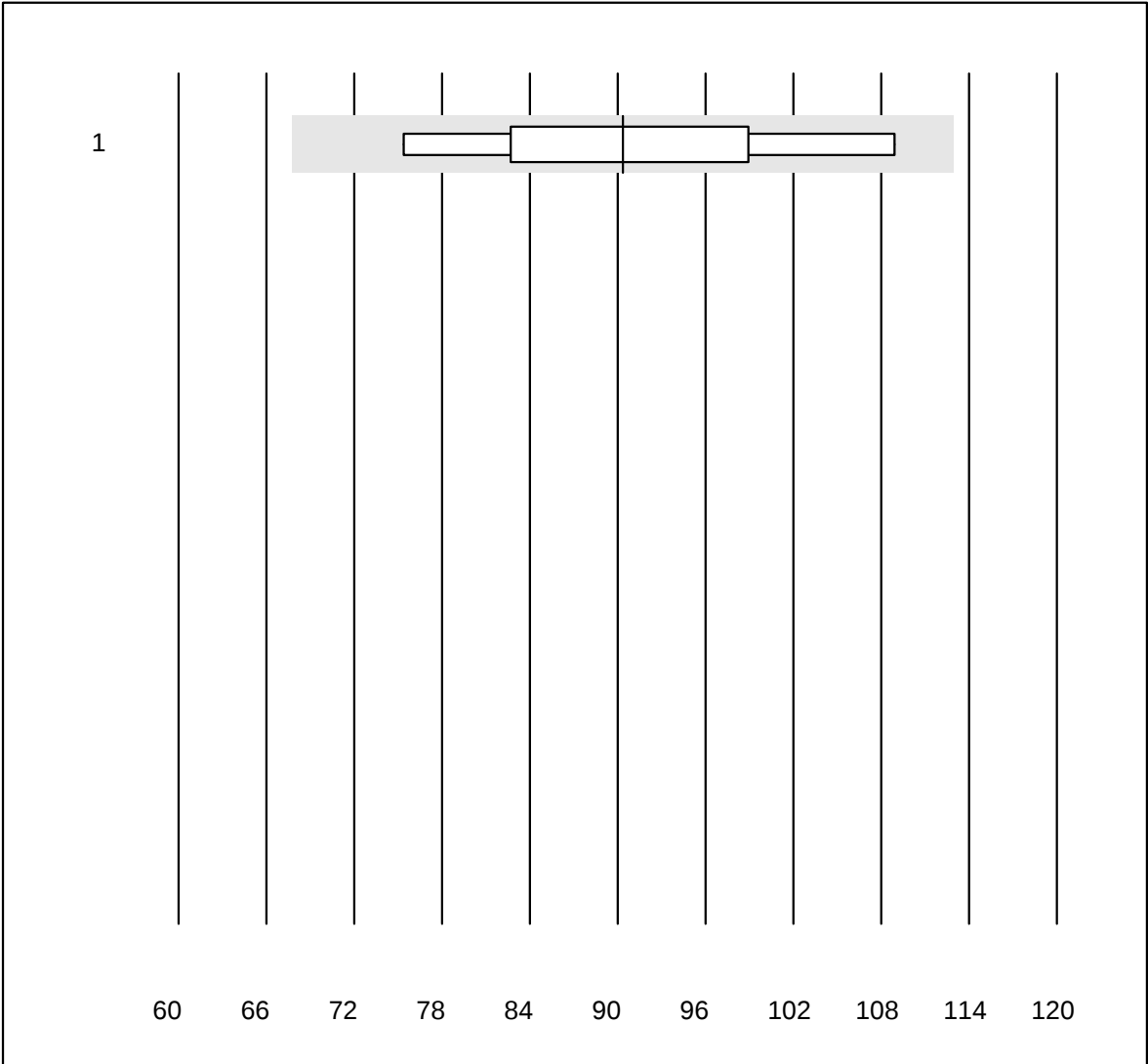


MQ tolerance : 25 %

IGF-BP3 (mg/l)

| No.Methode                                                                                                 |       | Total | % OK | % insuff. | % outlier | Target | CV% | Type |
|------------------------------------------------------------------------------------------------------------|-------|-------|------|-----------|-----------|--------|-----|------|
| 1                                                                                                          | Cobas | 7     | 85.7 | 0.0       | 14.3      | 3.30   | 5.4 | e    |
| One result was submitted but not published because the method group was too small. (< 4 results per group) |       |       |      |           |           |        |     |      |

Renin

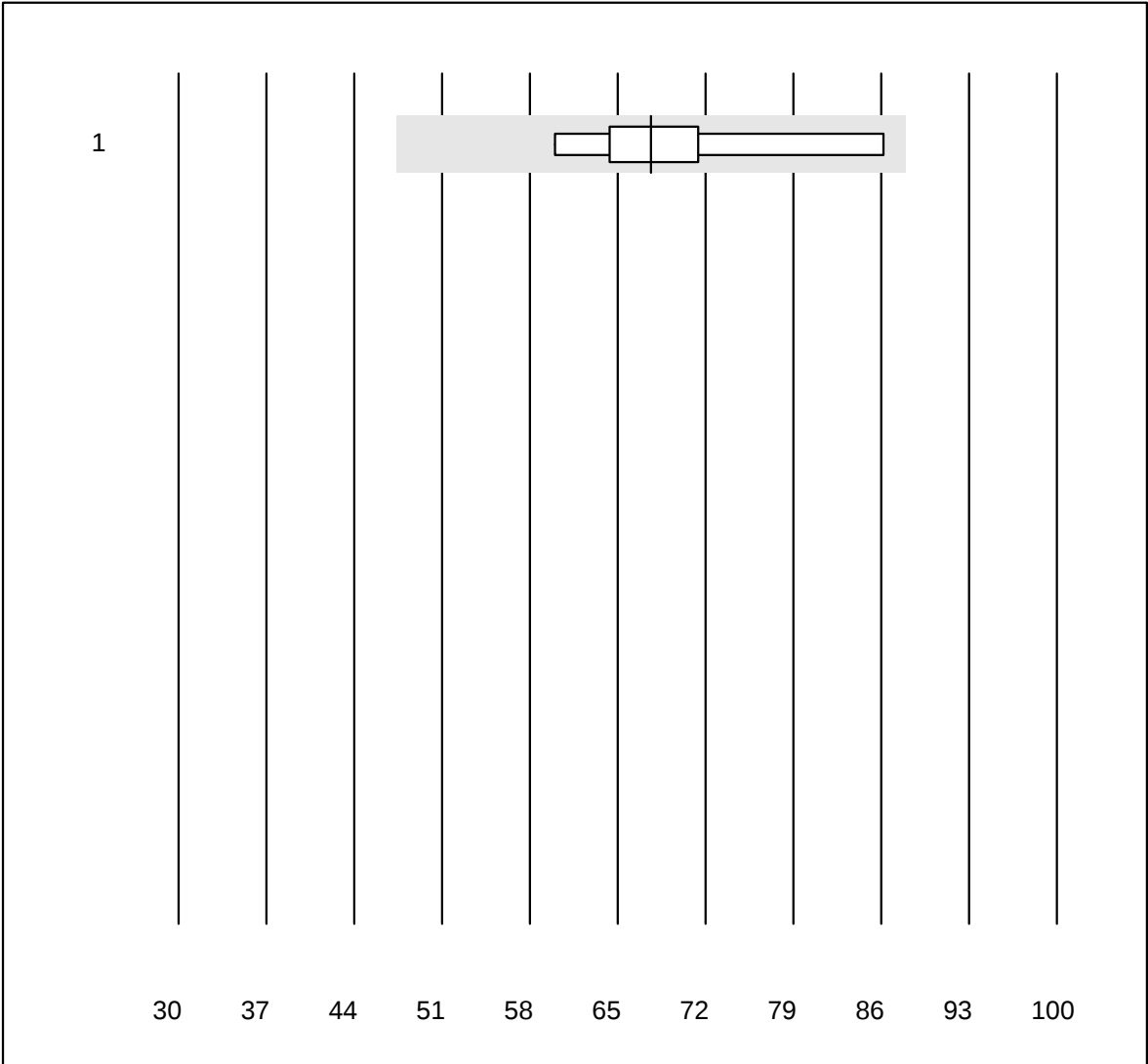


MQ tolerance : 25 %

Renin (mU/l)

| No.                                                                                                        | Methode | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------------------------------------------------------------------------------------------------------|---------|-------|-------|-----------|-----------|--------|------|------|
| 1                                                                                                          | Liaison | 9     | 100.0 | 0.0       | 0.0       | 90.4   | 12.2 | e*   |
| One result was submitted but not published because the method group was too small. (< 4 results per group) |         |       |       |           |           |        |      |      |

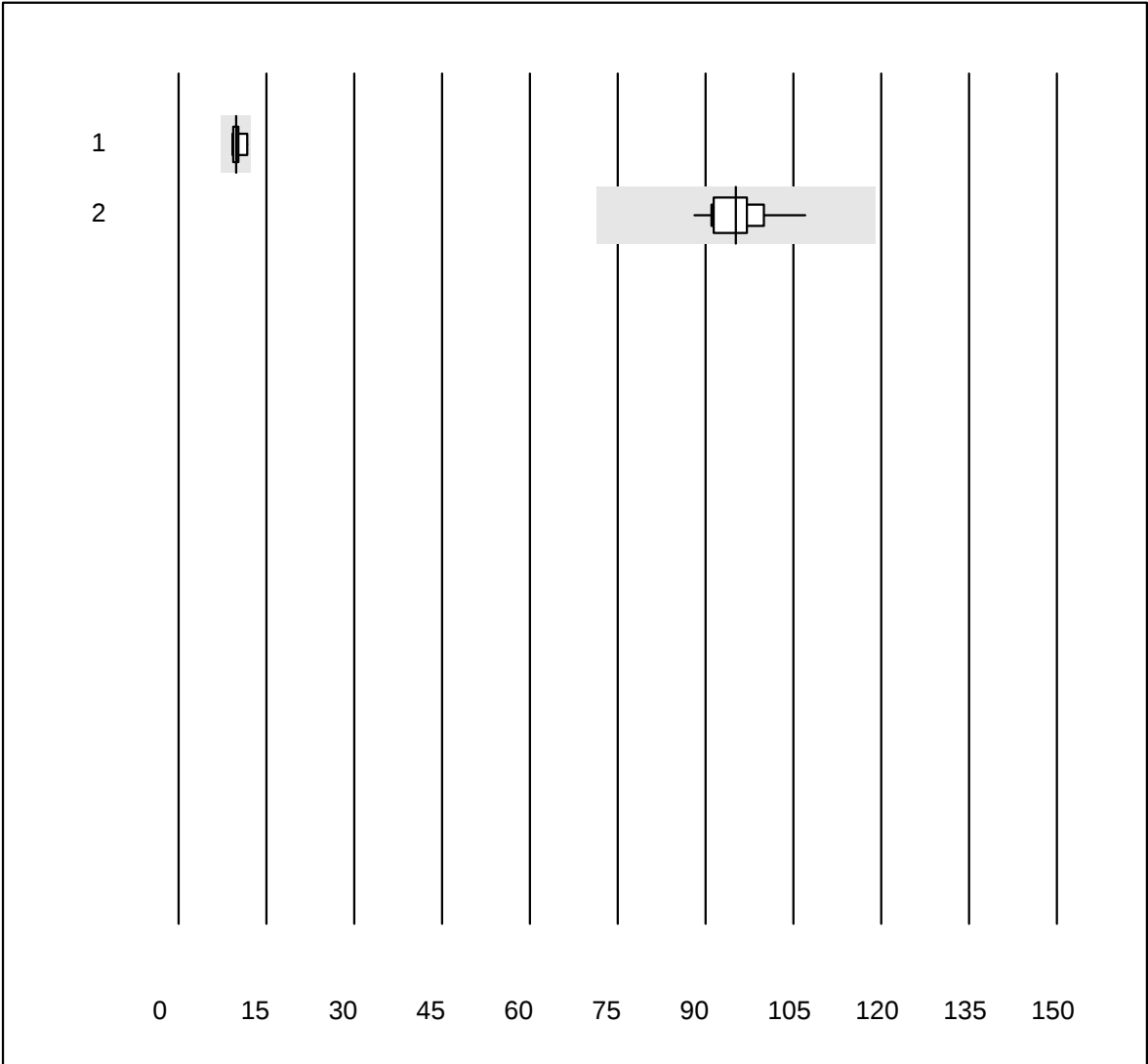
Aldosteron



MQ tolerance : 30 % Aldosteron (ng/l)

| No.                                                                                                                   | Methode | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----------------------------------------------------------------------------------------------------------------------|---------|-------|-------|-----------|-----------|--------|------|------|
| 1                                                                                                                     | Liaison | 6     | 100.0 | 0.0       | 0.0       | 67.7   | 13.2 | e*   |
| 2 additional results were submitted but not published because the method groups were too small. (< results per group) |         |       |       |           |           |        |      |      |

Anti Thyreoglobulin

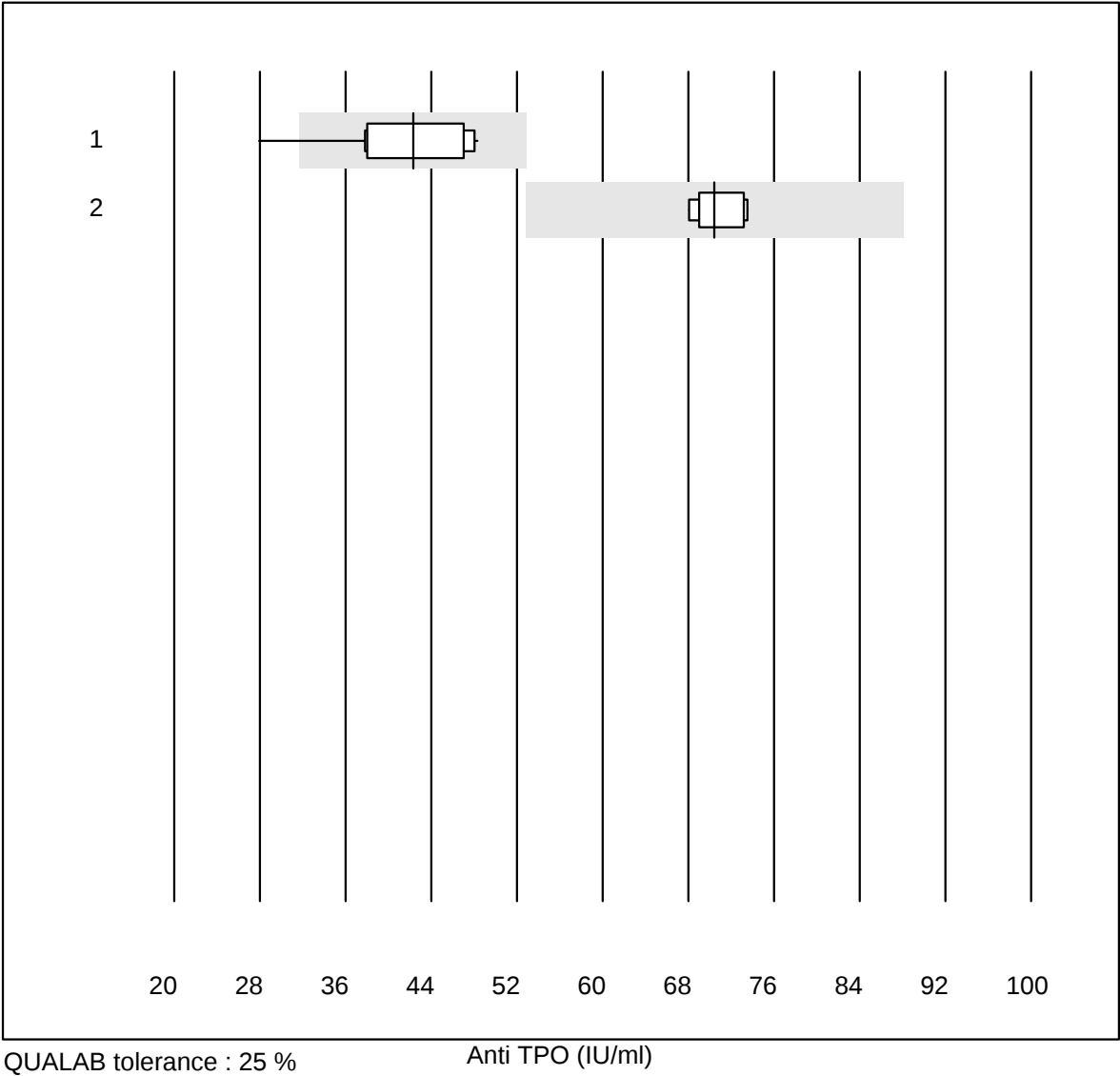


MQ tolerance : 25 %  
( < 10: +/- 3 IU/ml)

| No.Methode |              | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|--------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Alinity      | 6     | 100.0 | 0.0       | 0.0       | 10     | 9.2 | e*   |
| 2          | Roche, Cobas | 13    | 100.0 | 0.0       | 0.0       | 95     | 5.0 | e    |

5 additional results were submitted but not published because the method groups were too small. (< results per group)

Anti TPO



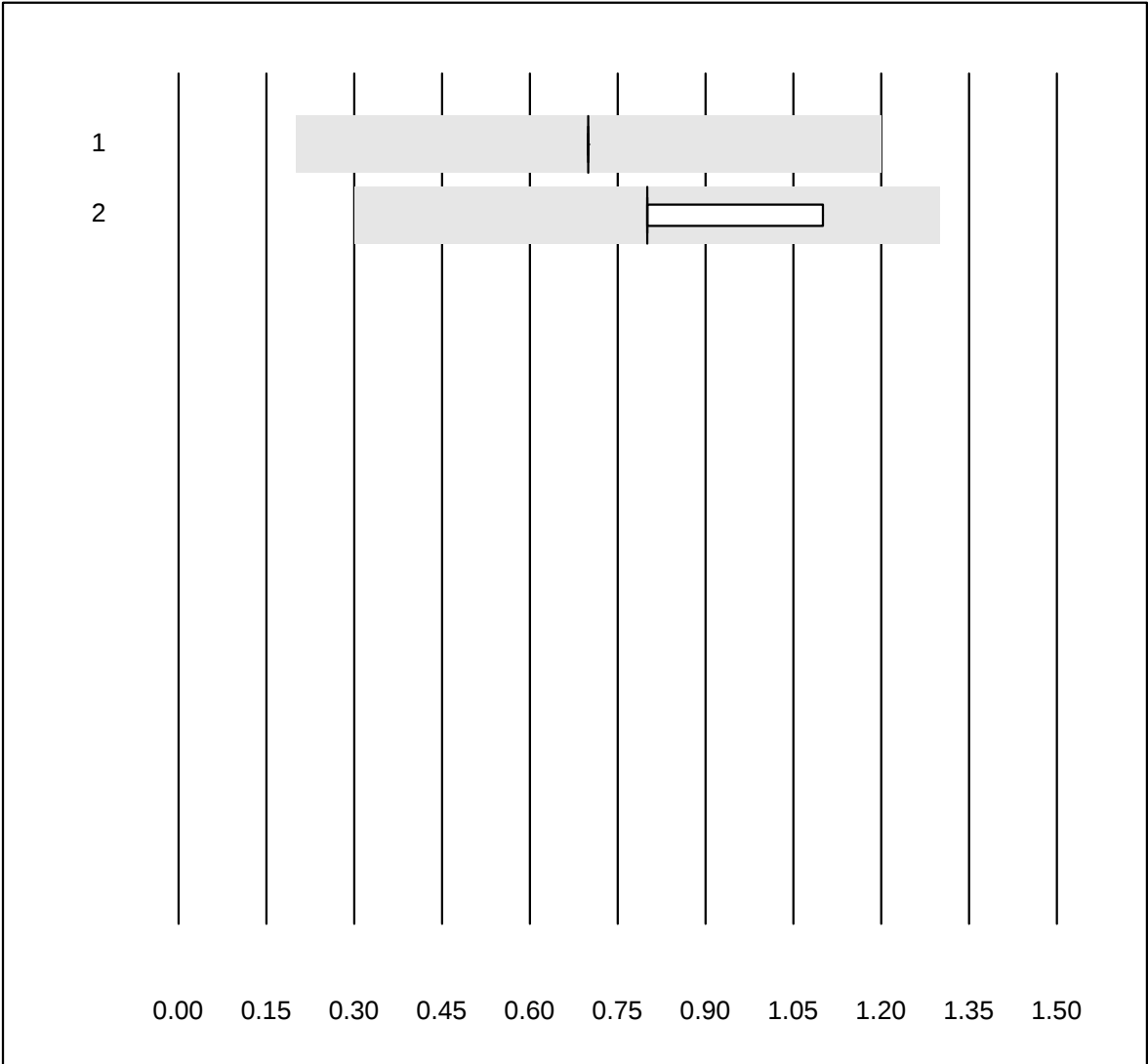
QUALAB tolerance : 25 %

Anti TPO (IU/ml)

| No. Methode |              | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-------------|--------------|-------|-------|-----------|-----------|--------|------|------|
| 1           | Roche, Cobas | 14    | 92.9  | 7.1       | 0.0       | 42     | 13.5 | e*   |
| 2           | Abbott       | 5     | 100.0 | 0.0       | 0.0       | 70     | 3.5  | e    |

6 additional results were submitted but not published because the method groups were too small. (< results per group)

TRAK



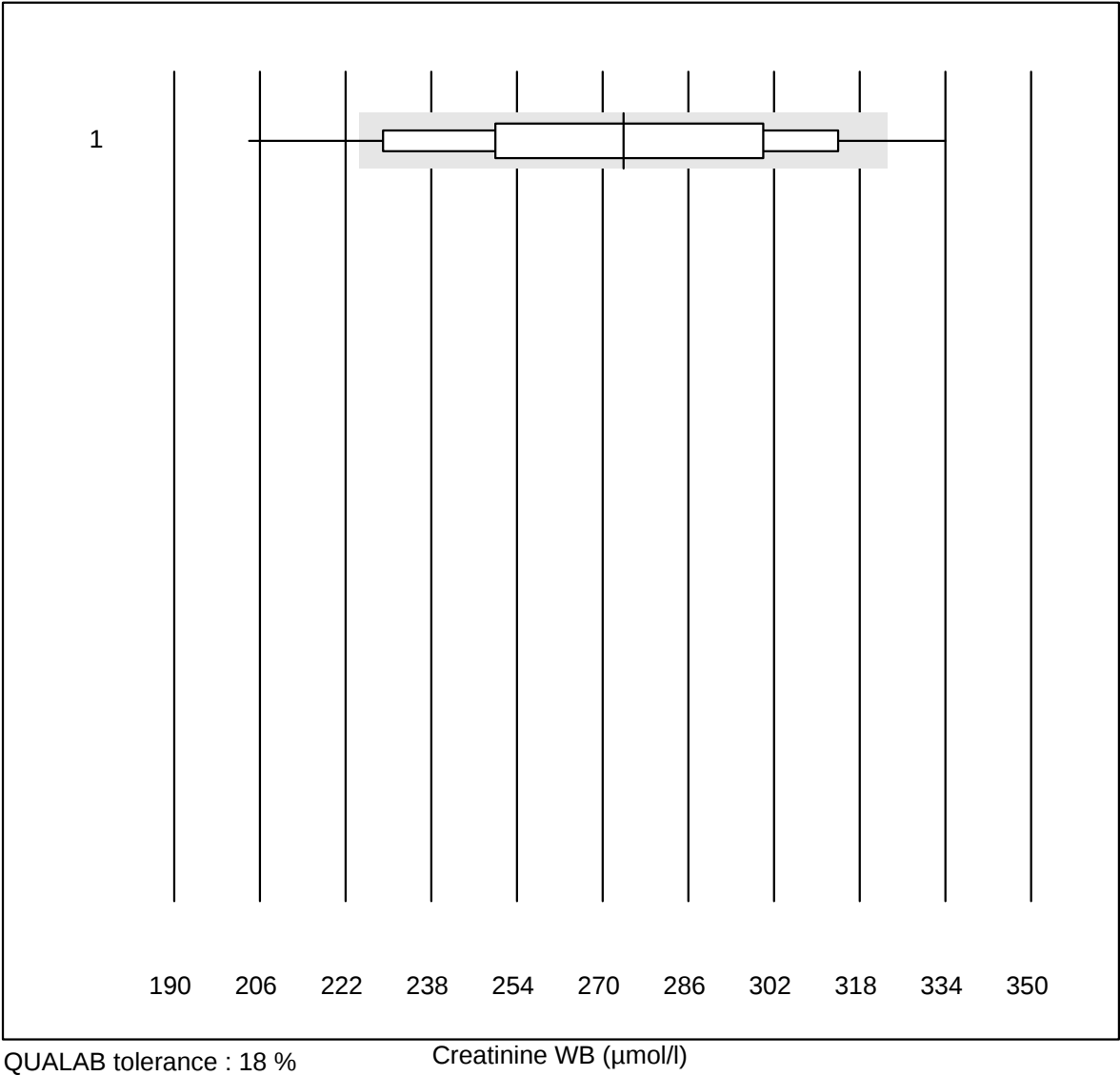
MQ tolerance : 25 %  
( < 2.00: +/- 0.50 IU/l)

TRAK (IU/l)

| No.Methode |              | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------|--------------|-------|-------|-----------|-----------|--------|------|------|
| 1          | Abbott       | 6     | 100.0 | 0.0       | 0.0       | 0.70   | 0.0  | e    |
| 2          | Roche, Cobas | 9     | 100.0 | 0.0       | 0.0       | 0.80   | 12.0 | e*   |

3 additional results were submitted but not published because the method groups were too small. (< results per group)

Creatinine WB

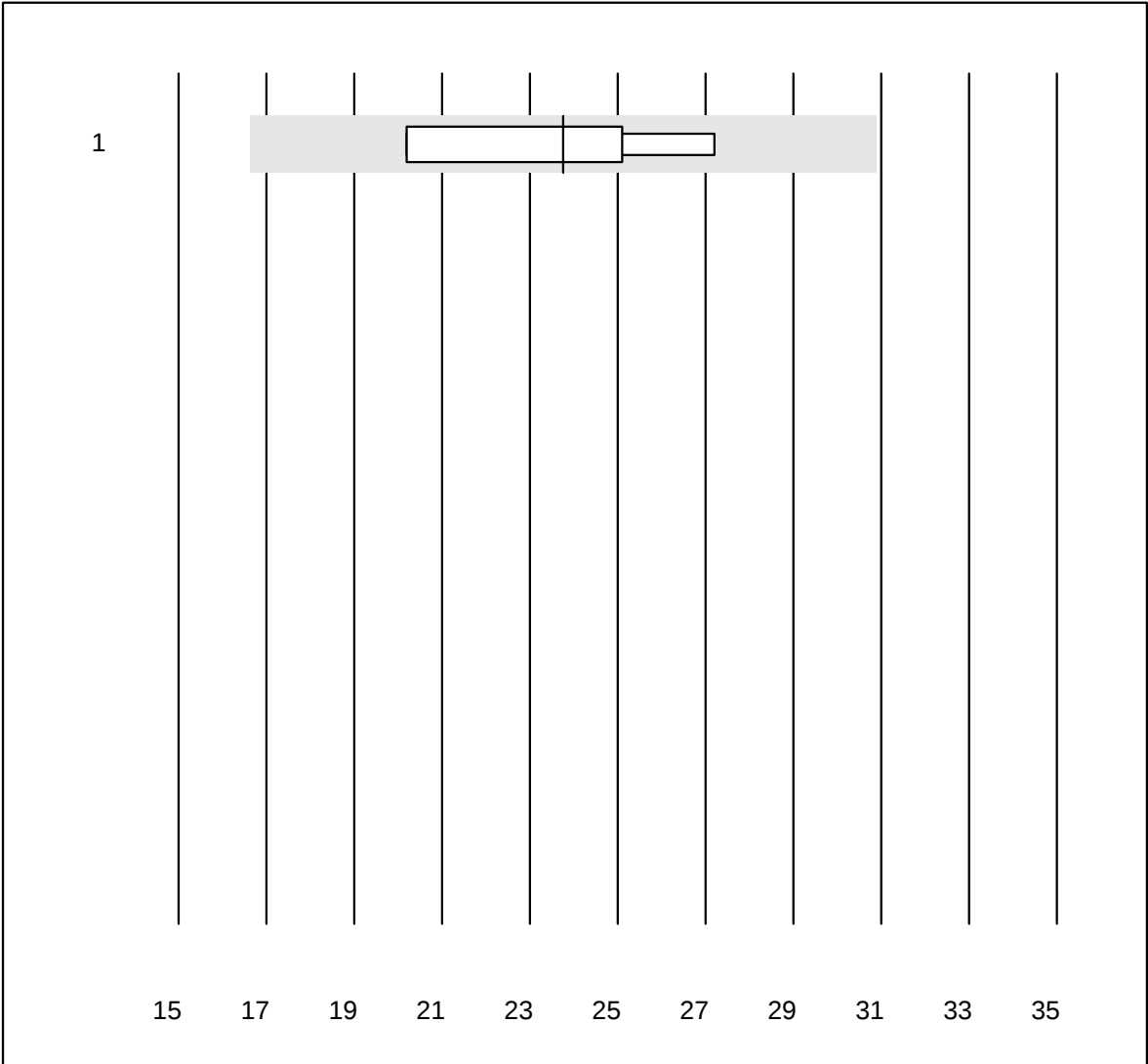


QUALAB tolerance : 18 %

Creatinine WB (µmol/l)

| No.Methode |                     | Total | % OK | % insuff. | % outlier | Target | CV%  | Type |
|------------|---------------------|-------|------|-----------|-----------|--------|------|------|
| 1          | Statsensor i / Nova | 82    | 81.7 | 9.8       | 8.5       | 274    | 11.5 | e    |

eGFR CDK-EPI WB

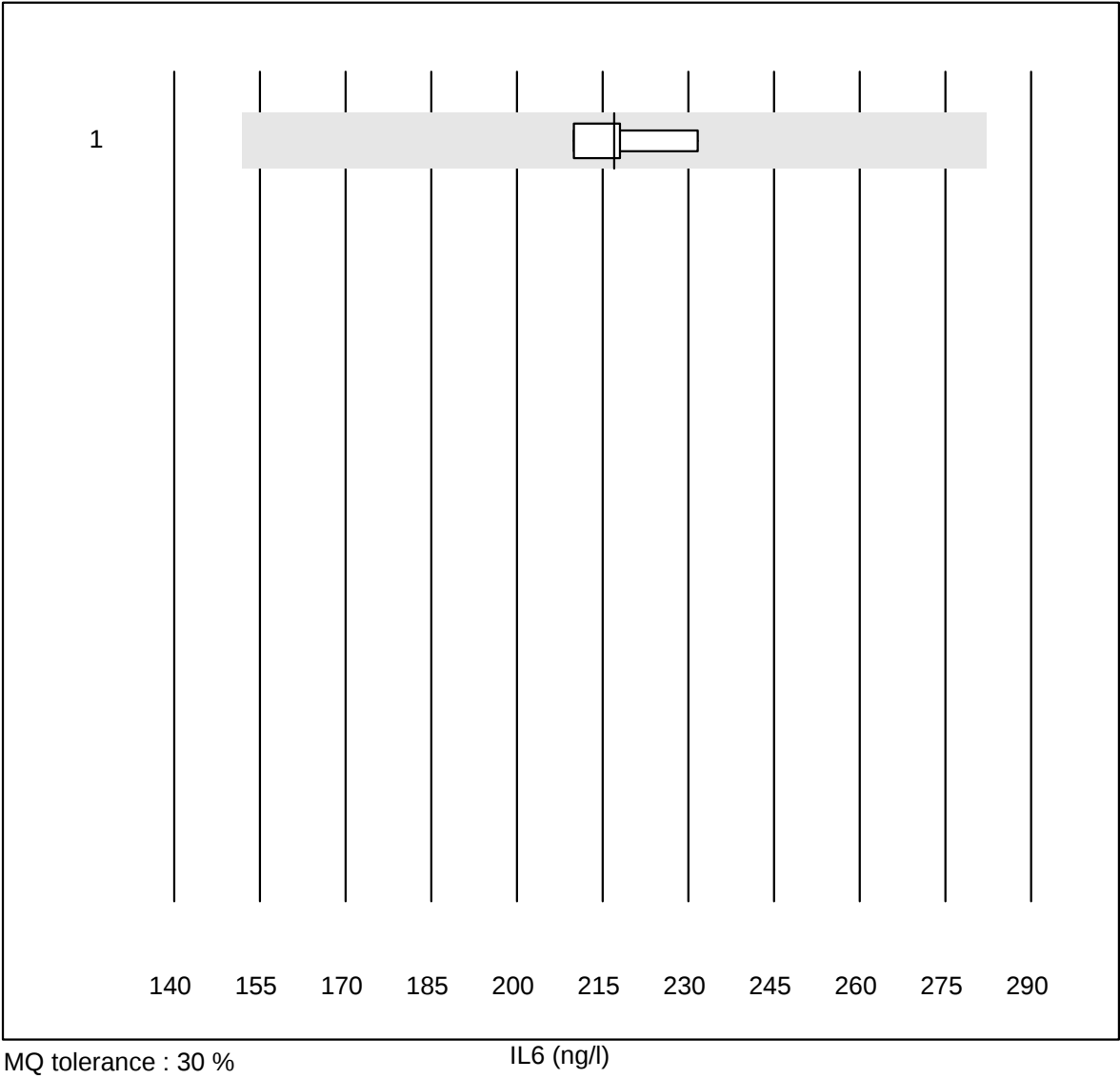


MQ tolerance : 30 %

eGFR CDK-EPI WB ()

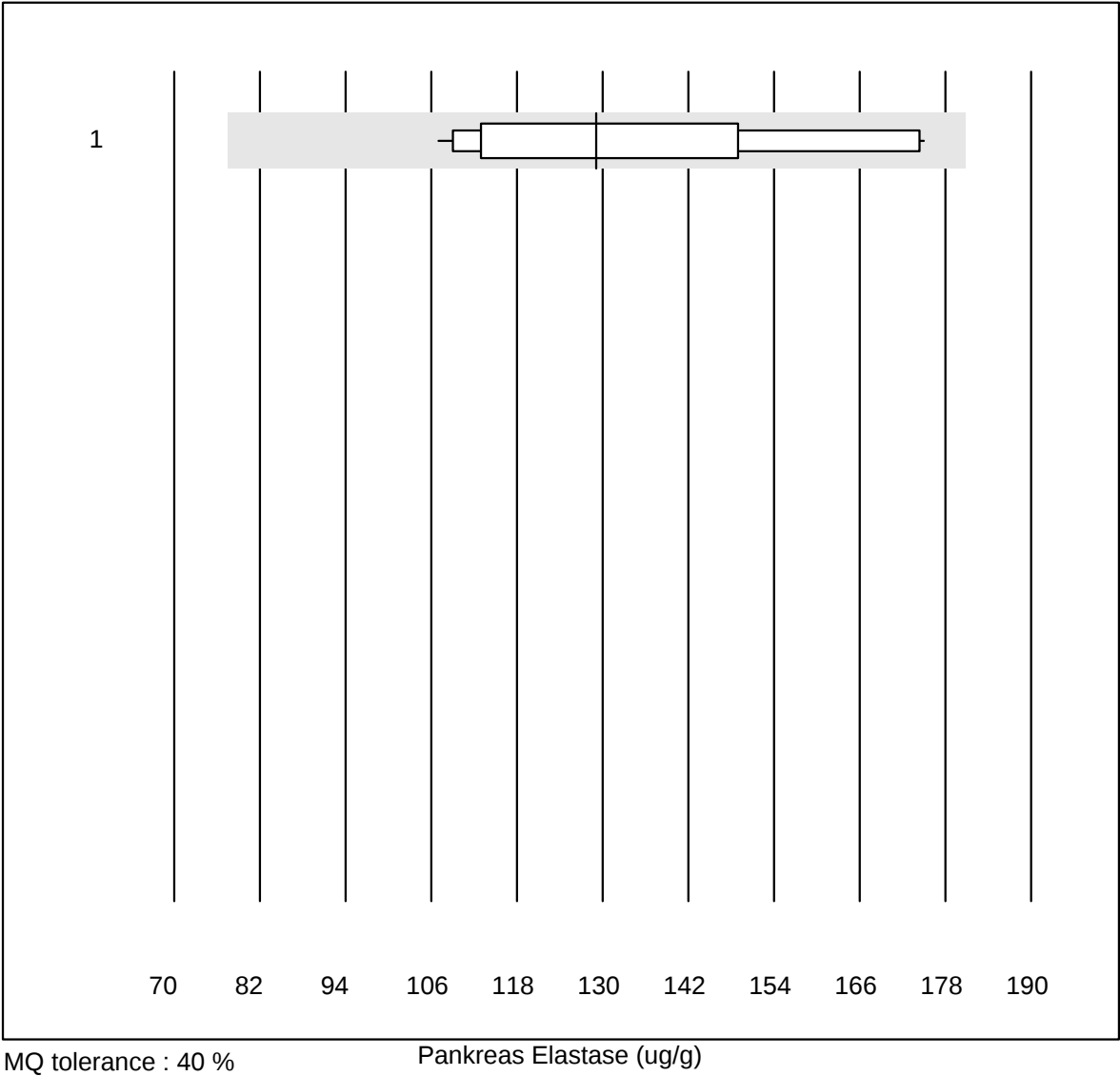
| No.Methode |                     | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------|---------------------|-------|-------|-----------|-----------|--------|------|------|
| 1          | Statsensor i / Nova | 4     | 100.0 | 0.0       | 0.0       | 24     | 12.9 | e*   |

IL6



| No.Methode |              | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|--------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Roche, Cobas | 4     | 100.0 | 0.0       | 0.0       | 217.0  | 4.2 | e    |

Pankreas Elastase

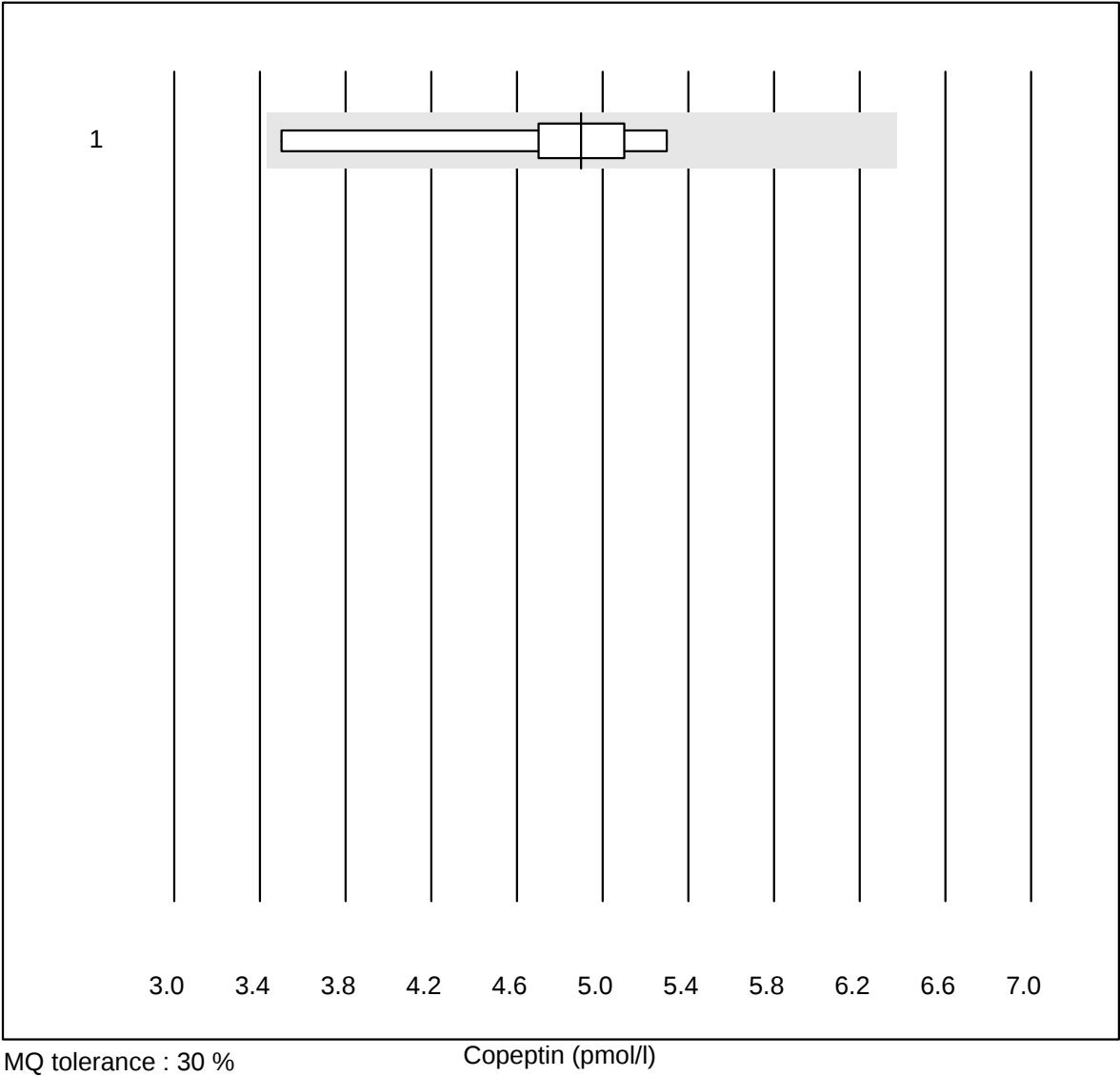


MQ tolerance : 40 %

Pankreas Elastase (ug/g)

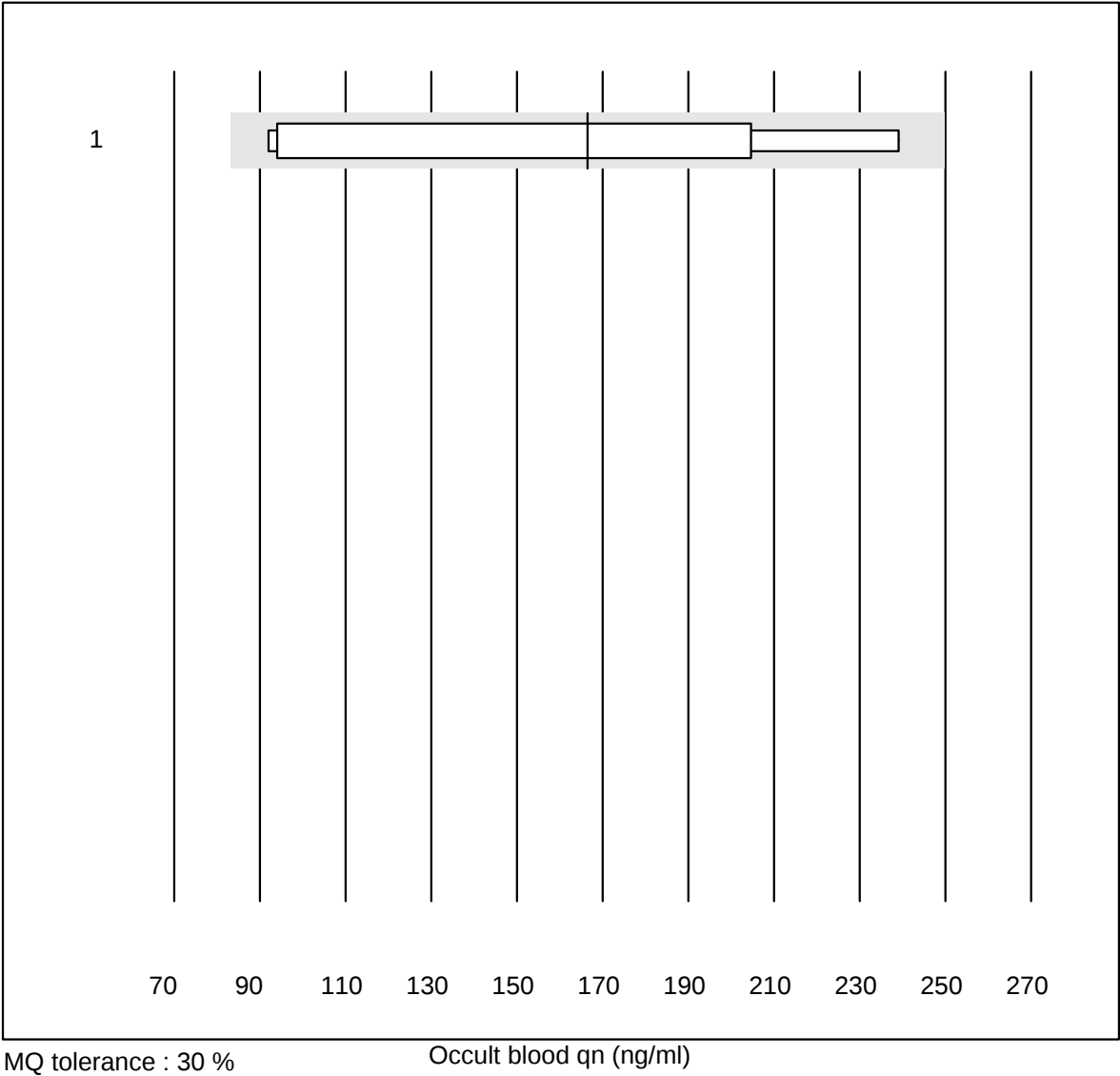
| No.Methode |         | Total | % OK | % insuff. | % outlier | Target | CV%  | Type |
|------------|---------|-------|------|-----------|-----------|--------|------|------|
| 1          | Liaison | 15    | 93.3 | 0.0       | 6.7       | 129    | 18.4 | e    |

Copeptin



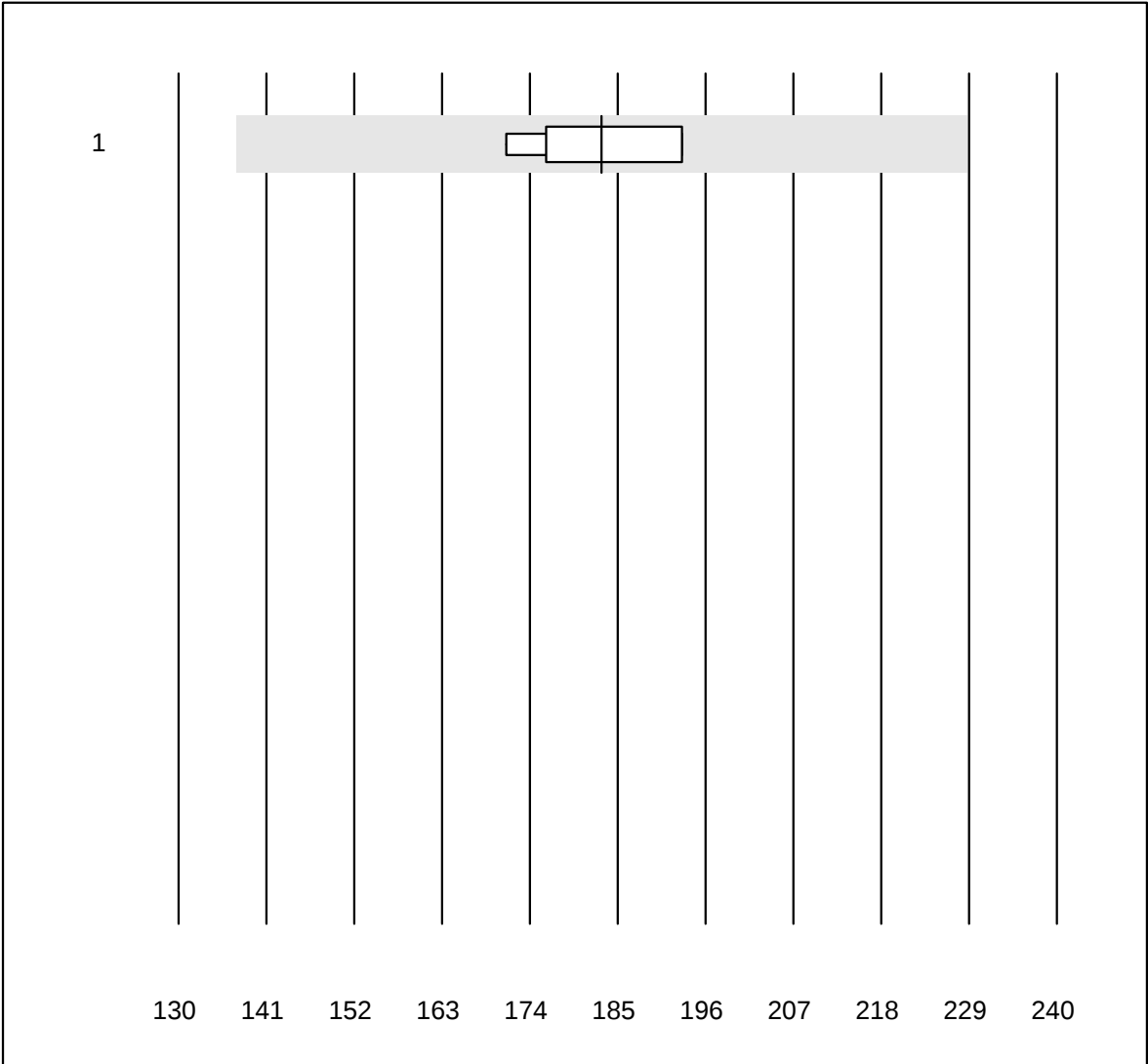
| No.Methode |         | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------|---------|-------|-------|-----------|-----------|--------|------|------|
| 1          | Kryptor | 7     | 100.0 | 0.0       | 0.0       | 4.9    | 12.5 | e*   |

Occult blood qn



| No.Methode |           | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------|-----------|-------|-------|-----------|-----------|--------|------|------|
| 1          | OC-Sensor | 8     | 100.0 | 0.0       | 0.0       | 167    | 34.9 | a    |

Amylase-Urine

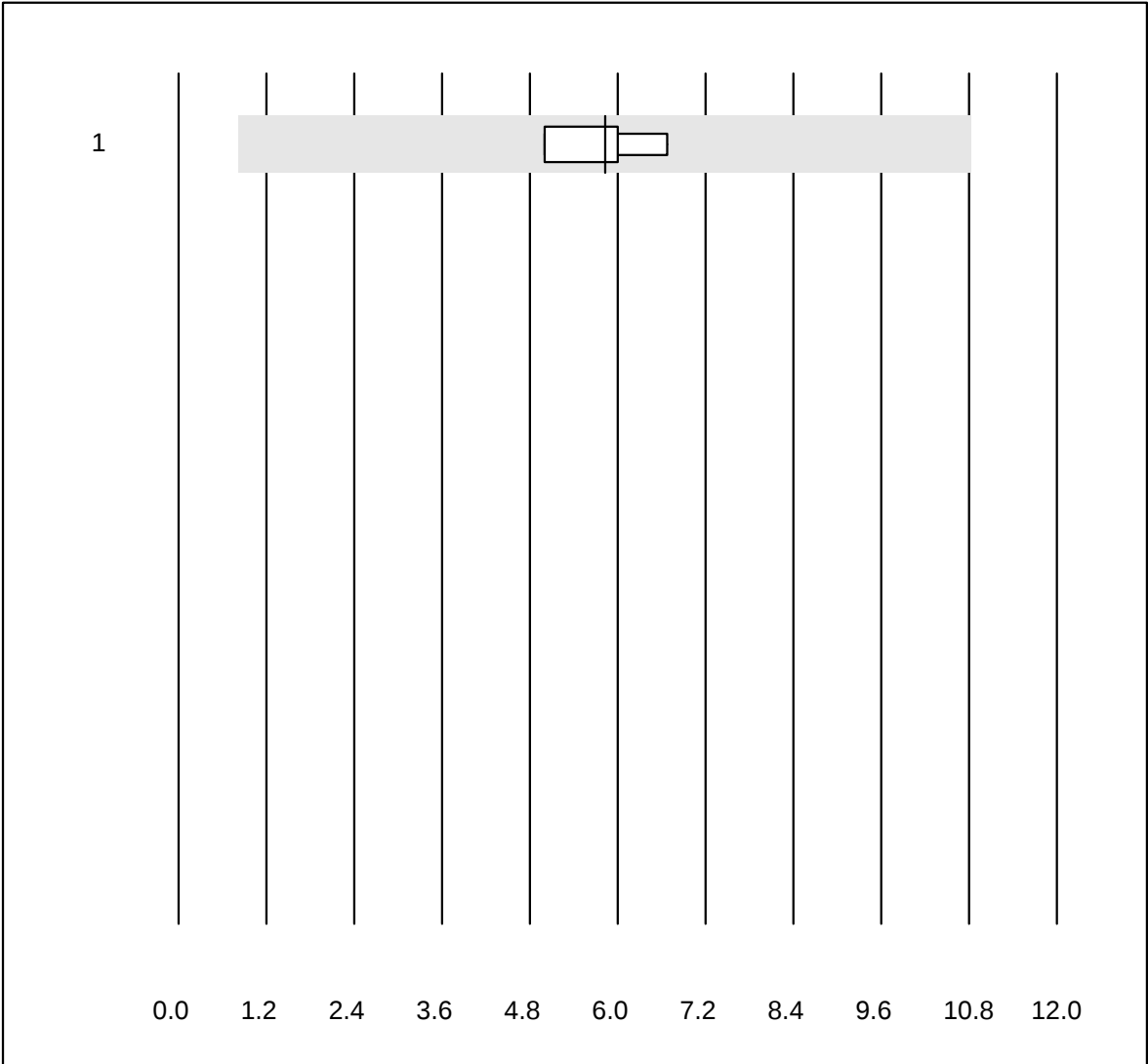


MQ tolerance : 25 %

Amylase-Urine (U/l)

| No.Methode |      | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | IFCC | 7     | 100.0 | 0.0       | 0.0       | 183    | 4.7 | e    |

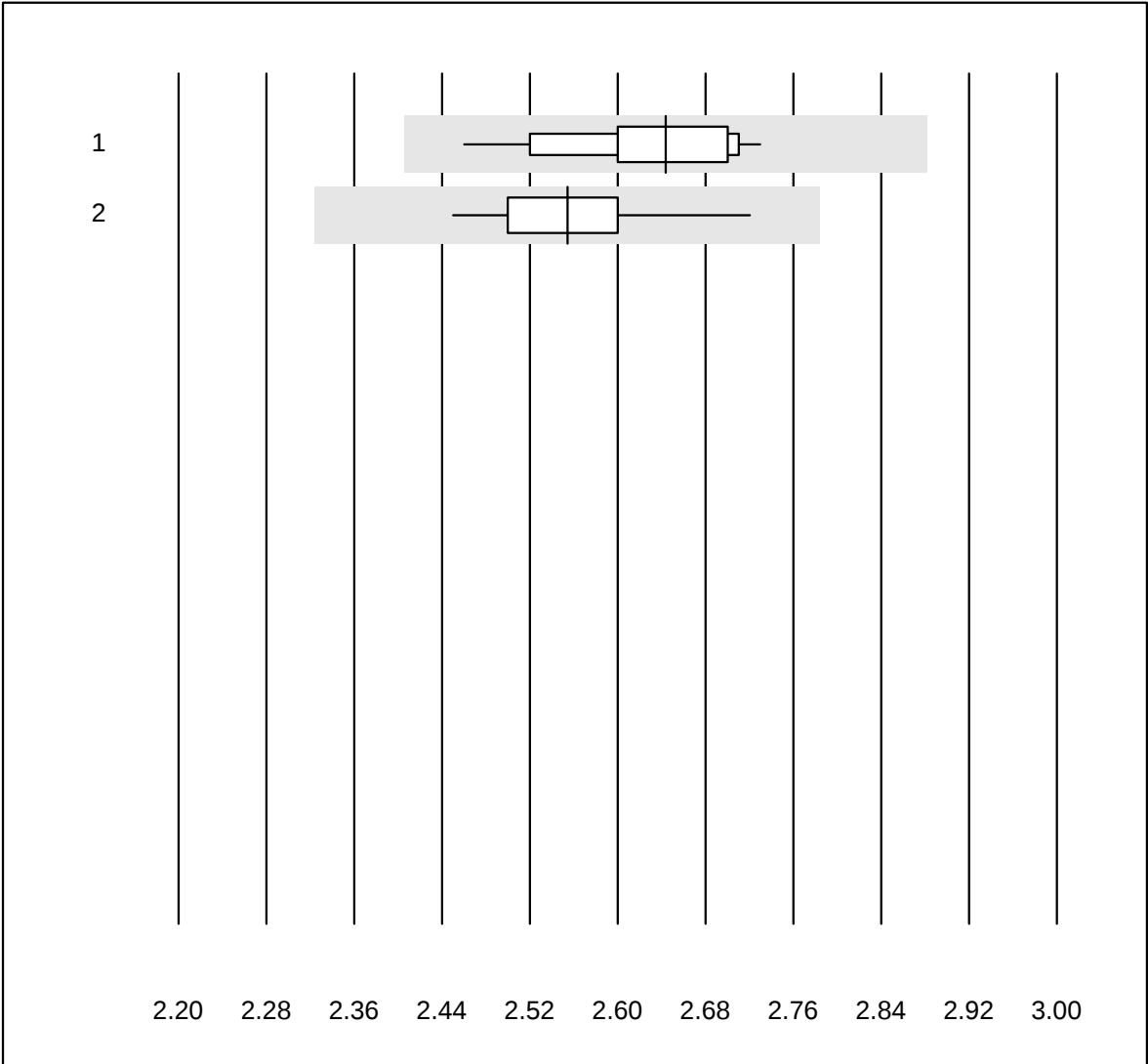
Pancreatic Amylase-Urine



QUALAB tolerance : 18 %  
( < 25.0: +/- 5.0 U/l)

| No.Methode |      | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|------------|------|-------|-------|-----------|-----------|--------|------|------|
| 1          | IFCC | 4     | 100.0 | 0.0       | 0.0       | 5.8    | 12.0 | e*   |

Calcium-Urine



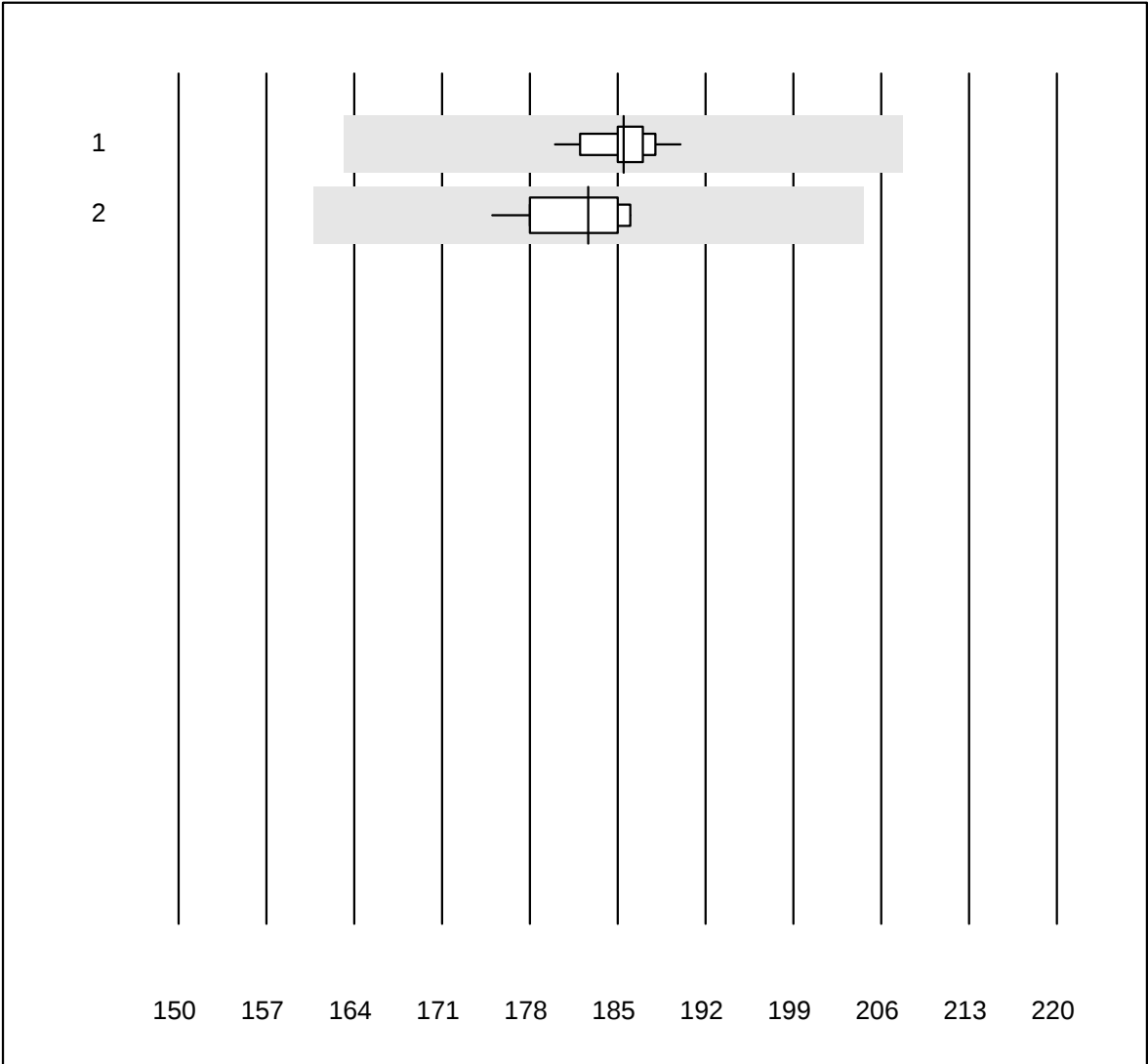
MQ tolerance : 9 %

Calcium-Urine (mmol/l)

| No.Methode |              | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|--------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Roche, Cobas | 19    | 100.0 | 0.0       | 0.0       | 2.64   | 2.8 | e    |
| 2          | Abbott       | 11    | 100.0 | 0.0       | 0.0       | 2.55   | 2.8 | e    |

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Chloride-Urine



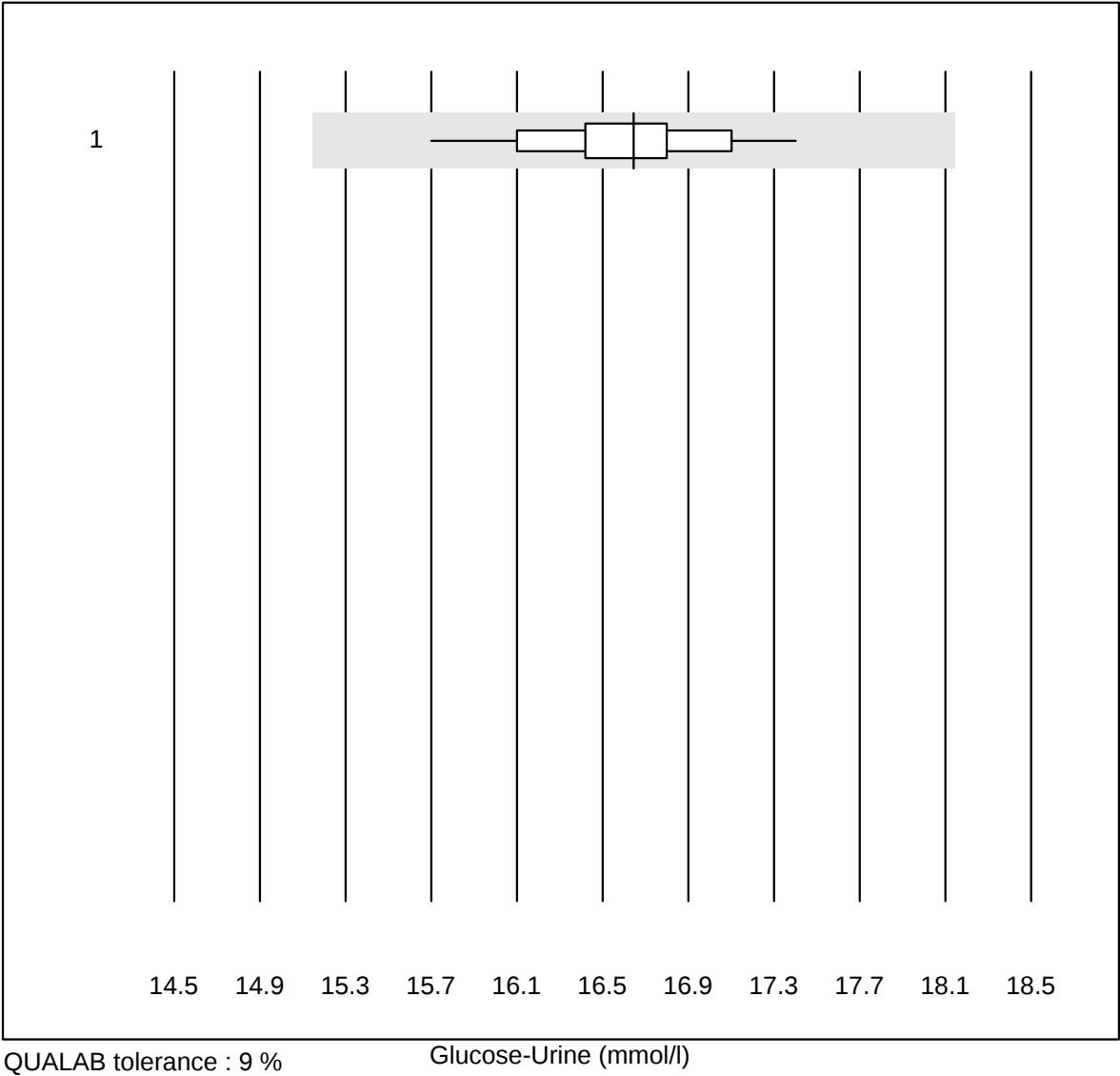
MQ tolerance : 12 %

Chloride-Urine (mmol/l)

| No. | Methode      | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|--------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Abbott       | 11    | 100.0 | 0.0       | 0.0       | 185    | 1.5 | e    |
| 2   | Roche, Cobas | 16    | 100.0 | 0.0       | 0.0       | 183    | 1.9 | e    |

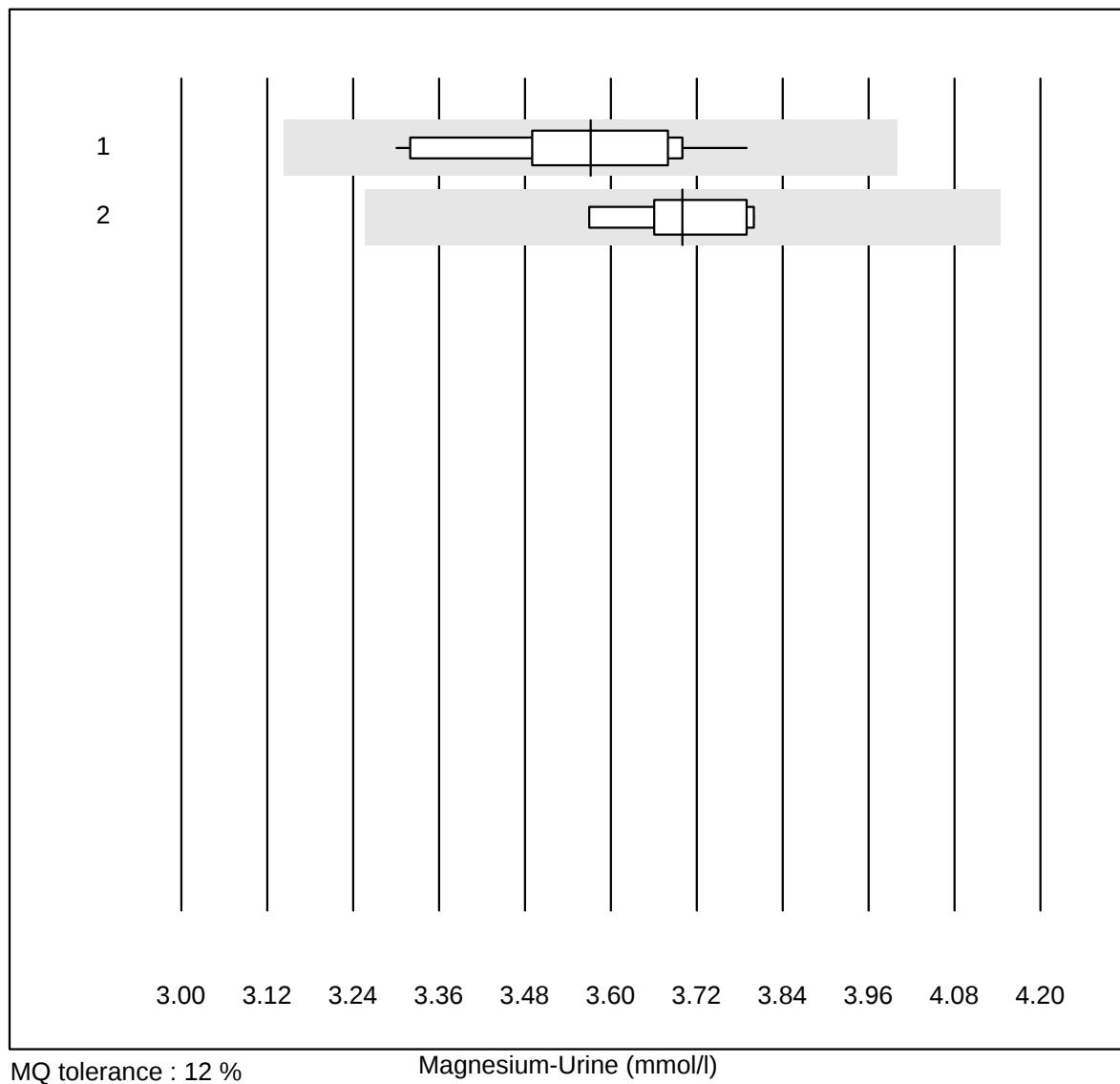
2 additional results were submitted but not published because the method groups were too small. (< results per group)

Glucose-Urine



| No.Methode |                    | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|--------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Standard chemistry | 27    | 100.0 | 0.0       | 0.0       | 16.6   | 2.2 | e    |

## Magnesium-Urine

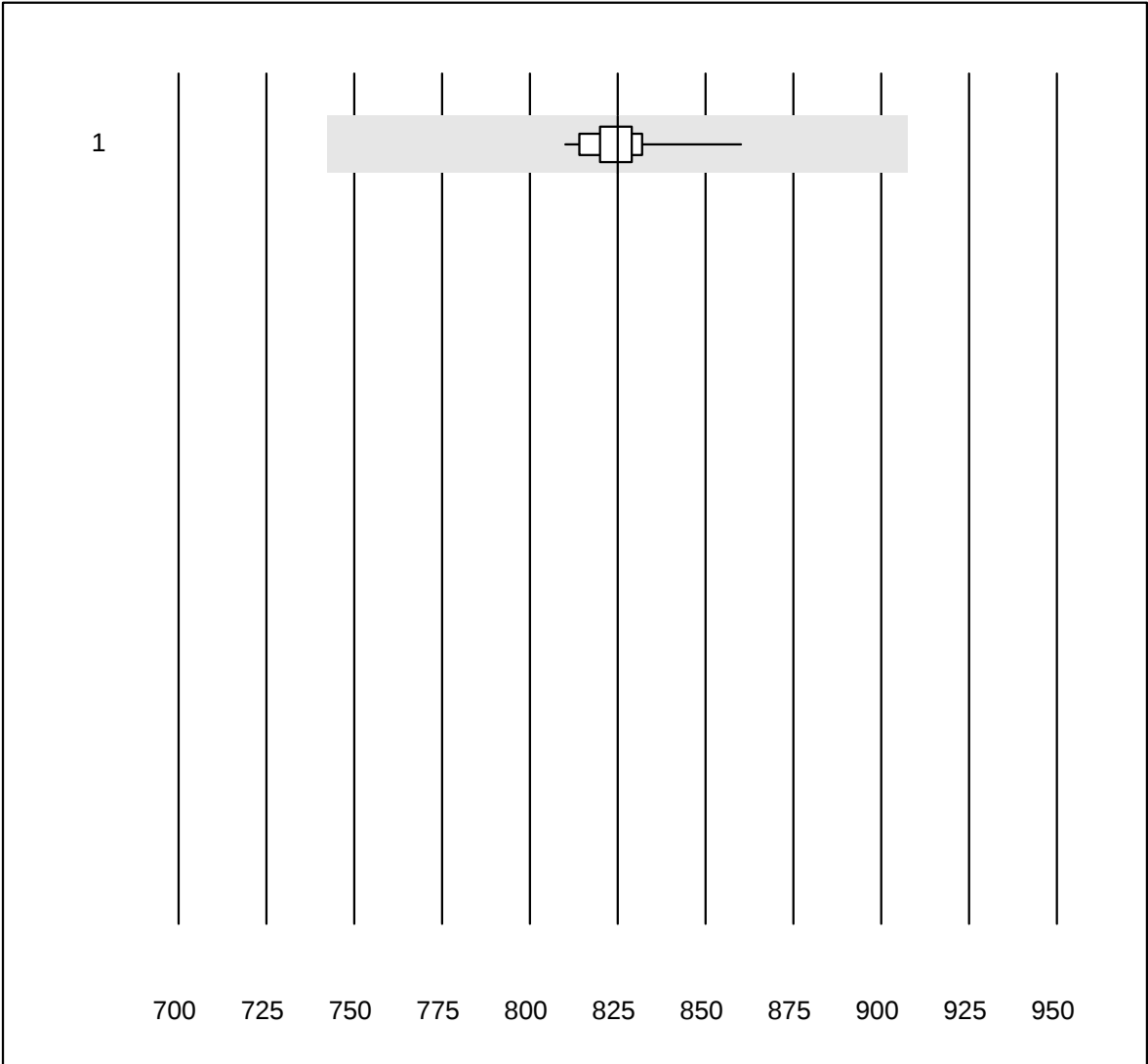


MQ tolerance : 12 %

Magnesium-Urine (mmol/l)

| No. | Methode            | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|--------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Standard chemistry | 17    | 100.0 | 0.0       | 0.0       | 3.57   | 3.9 | e    |
| 2   | AAS                | 5     | 100.0 | 0.0       | 0.0       | 3.70   | 2.6 | e    |

Osmolality-Urine

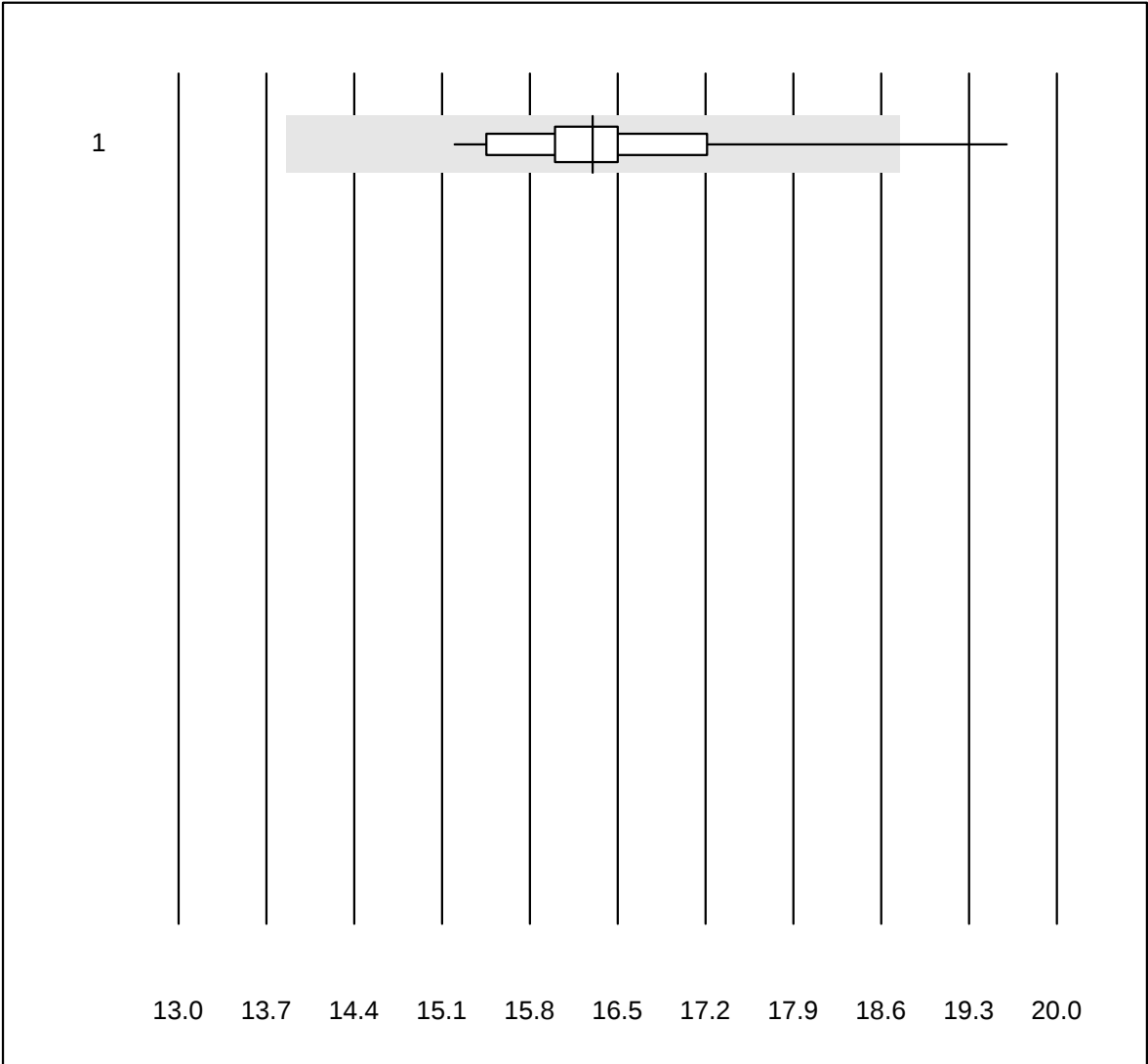


MQ tolerance : 10 %

Osmolality-Urine (mosm/kg)

| No.Methode |           | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|-----------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Cryoskopy | 21    | 100.0 | 0.0       | 0.0       | 825    | 1.3 | e    |

Phosphate-Urine

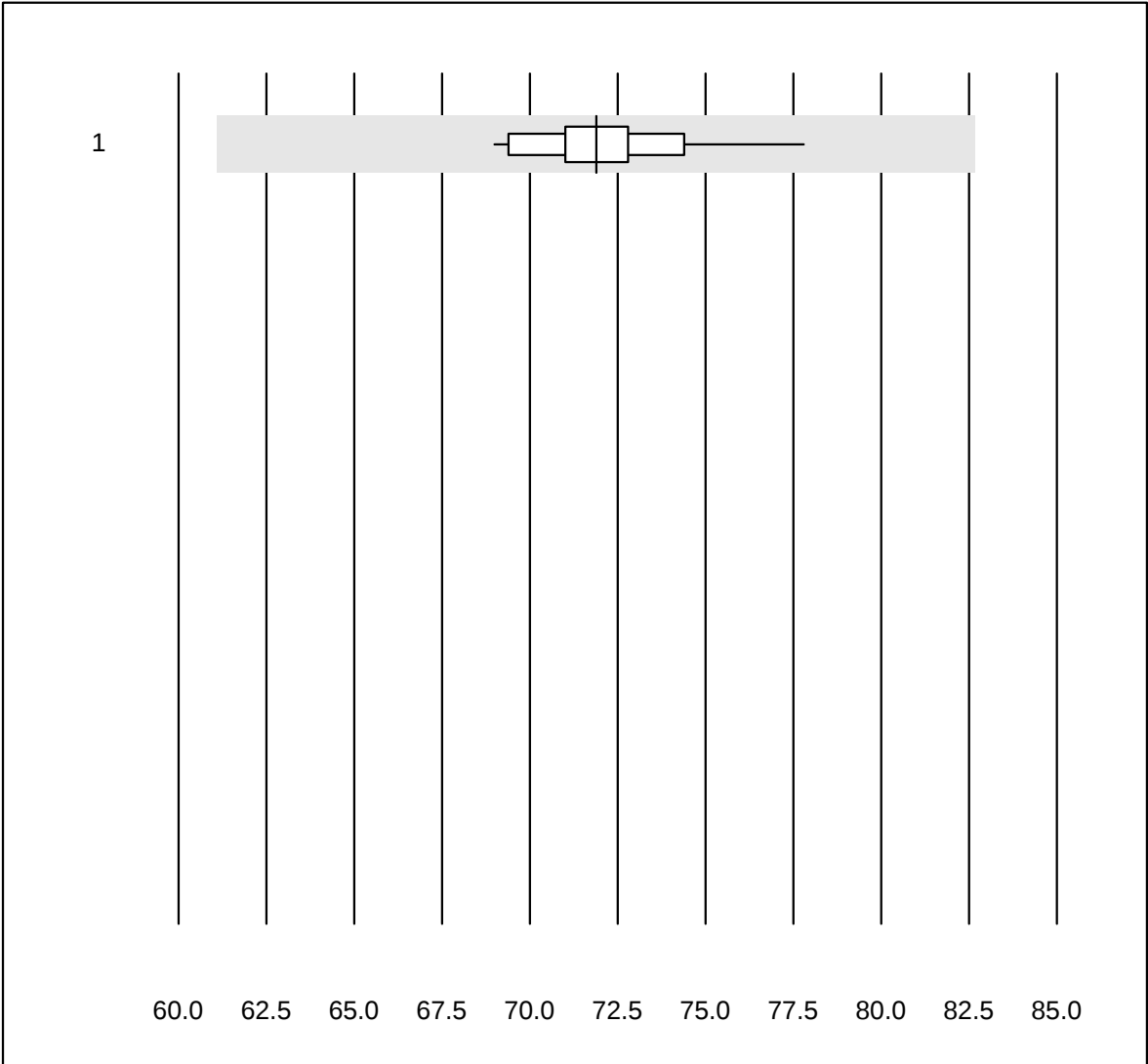


MQ tolerance : 15 %

Phosphate-Urine (mmol/l)

| No.Methode |                    | Total | % OK | % insuff. | % outlier | Target | CV% | Type |
|------------|--------------------|-------|------|-----------|-----------|--------|-----|------|
| 1          | Standard chemistry | 29    | 96.6 | 3.4       | 0.0       | 16.3   | 5.1 | e    |

Potassium-Urine

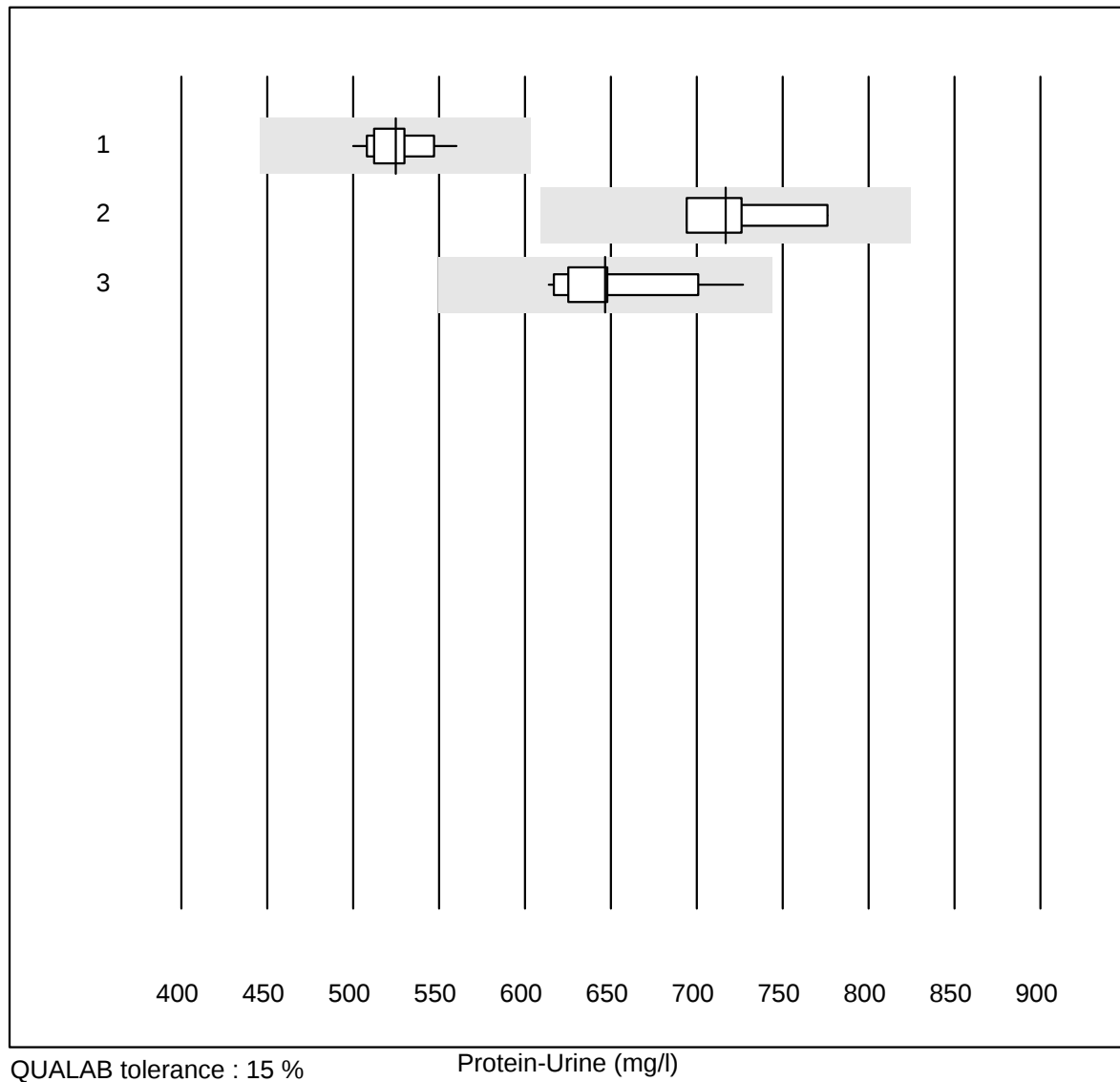


MQ tolerance : 15 %

Potassium-Urine (mmol/l)

| No.Methode |                  | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | all Participants | 39    | 100.0 | 0.0       | 0.0       | 72     | 2.7 | e    |

## Protein-Urine

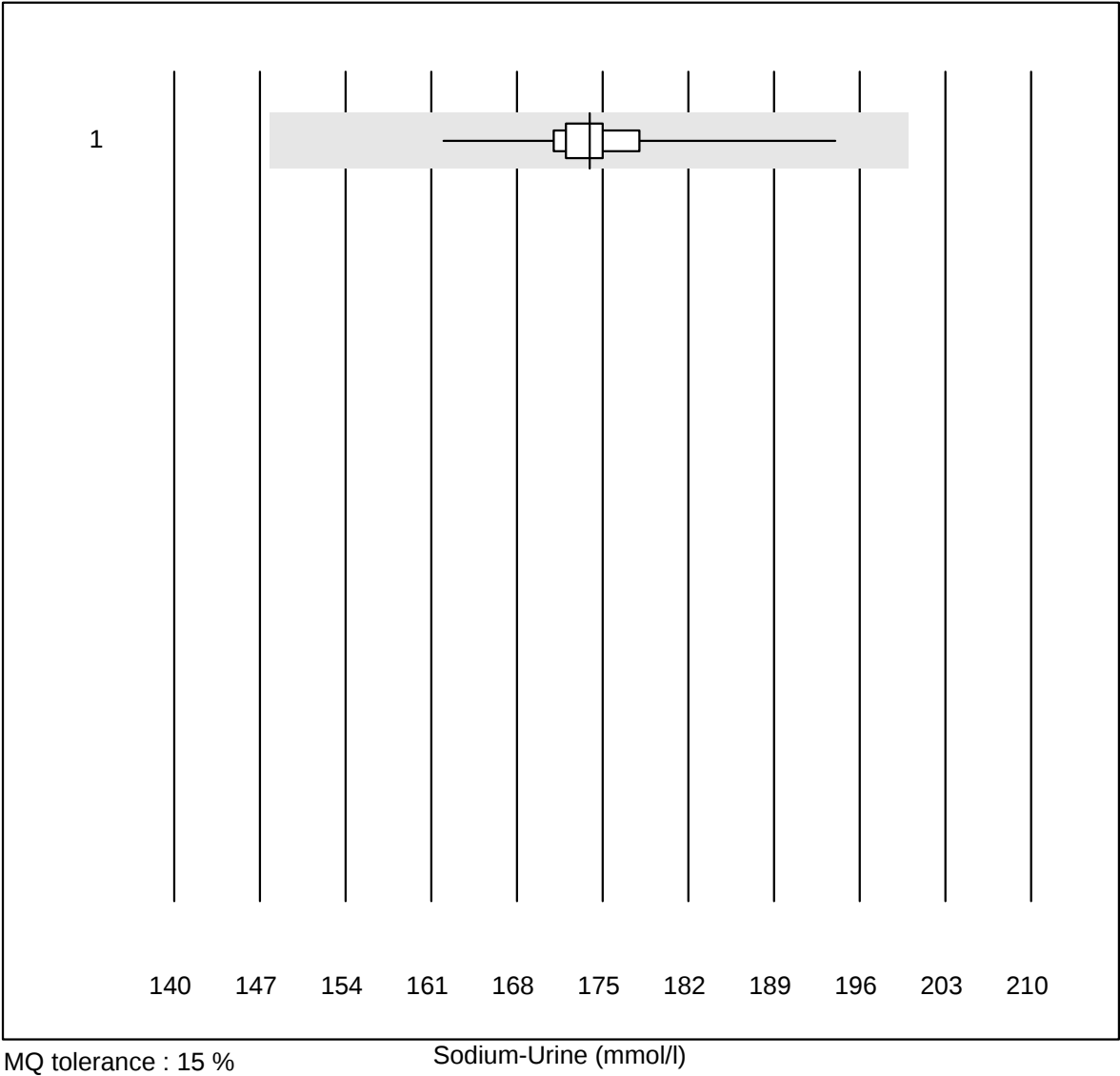


QUALAB tolerance : 15 %

Protein-Urine (mg/l)

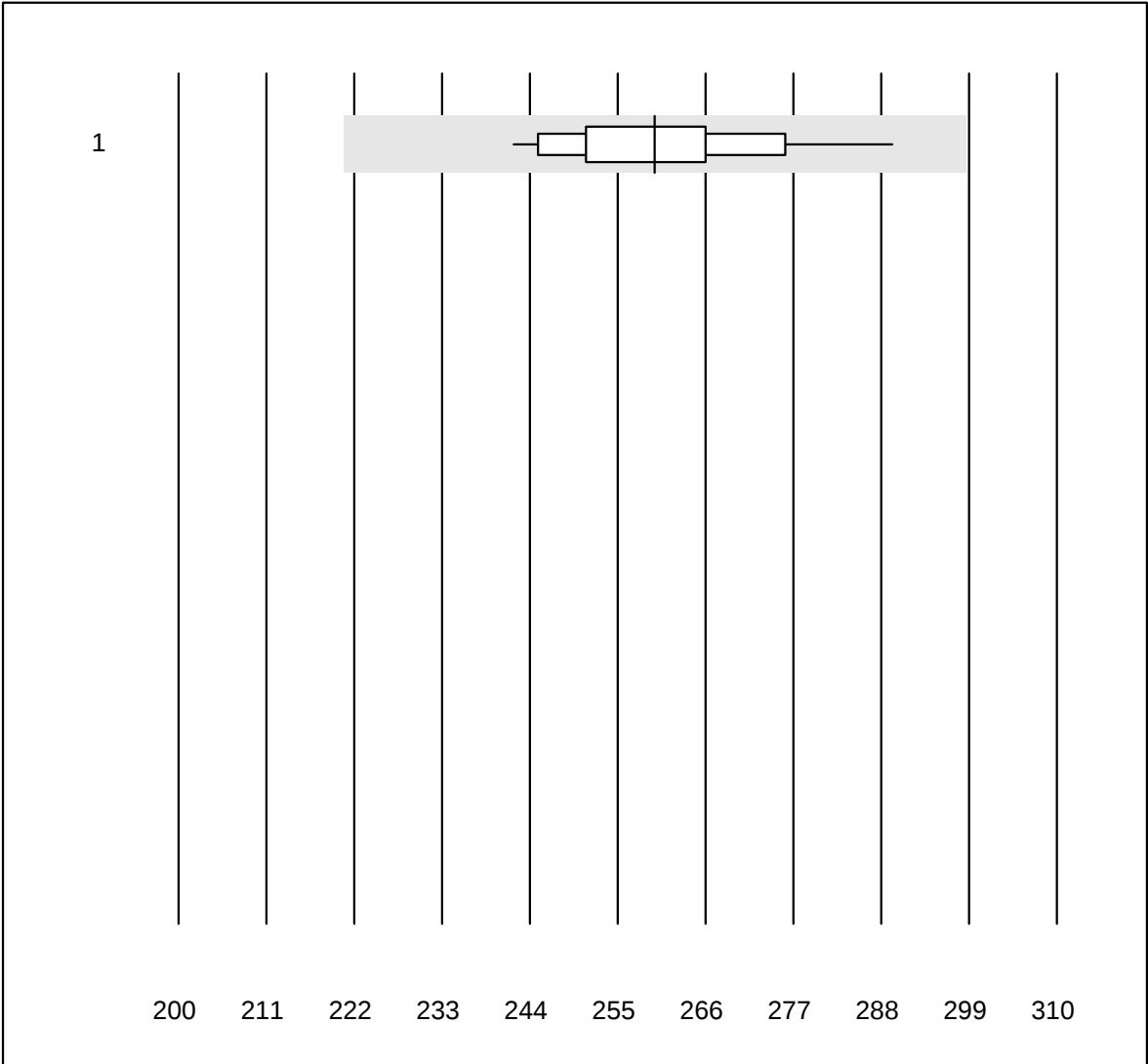
| No. Methode |              | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-------------|--------------|-------|-------|-----------|-----------|--------|-----|------|
| 1           | Roche, Cobas | 24    | 100.0 | 0.0       | 0.0       | 524.6  | 2.7 | e    |
| 2           | Dimension    | 4     | 100.0 | 0.0       | 0.0       | 717.0  | 4.9 | e*   |
| 3           | Abbott       | 16    | 100.0 | 0.0       | 0.0       | 646.6  | 4.6 | e    |

Sodium-Urine



| No.Methode |                  | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | all Participants | 39    | 100.0 | 0.0       | 0.0       | 174    | 2.6 | e    |

Urea-Urine



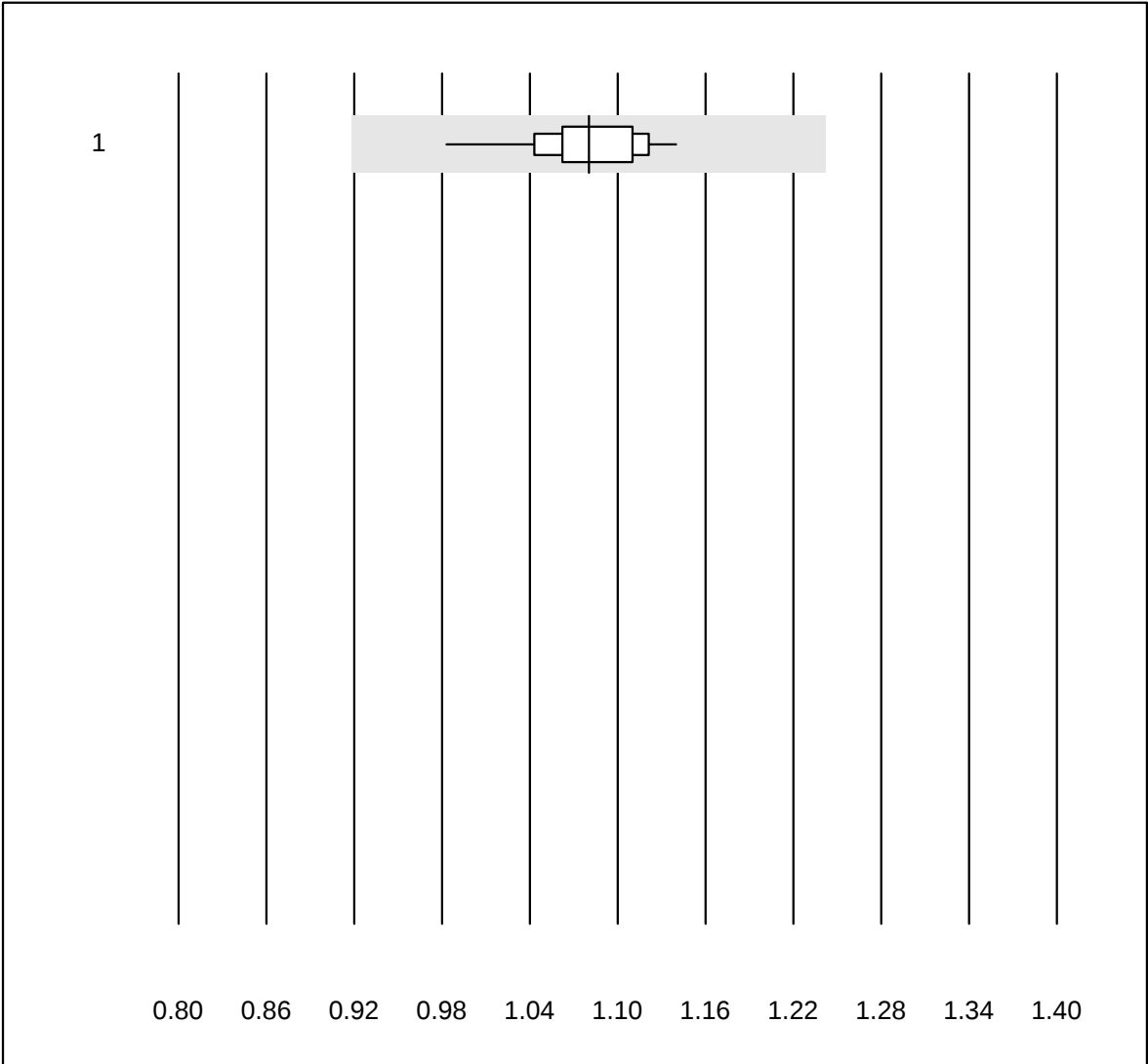
MQ tolerance : 15 %

Urea-Urine (mmol/l)

| No. | Methode            | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----|--------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1   | Standard chemistry | 36    | 100.0 | 0.0       | 0.0       | 260    | 4.4 | e    |

One result was submitted but not published because the method group was too small. (< 4 results per group)

Uric Acid-Urine

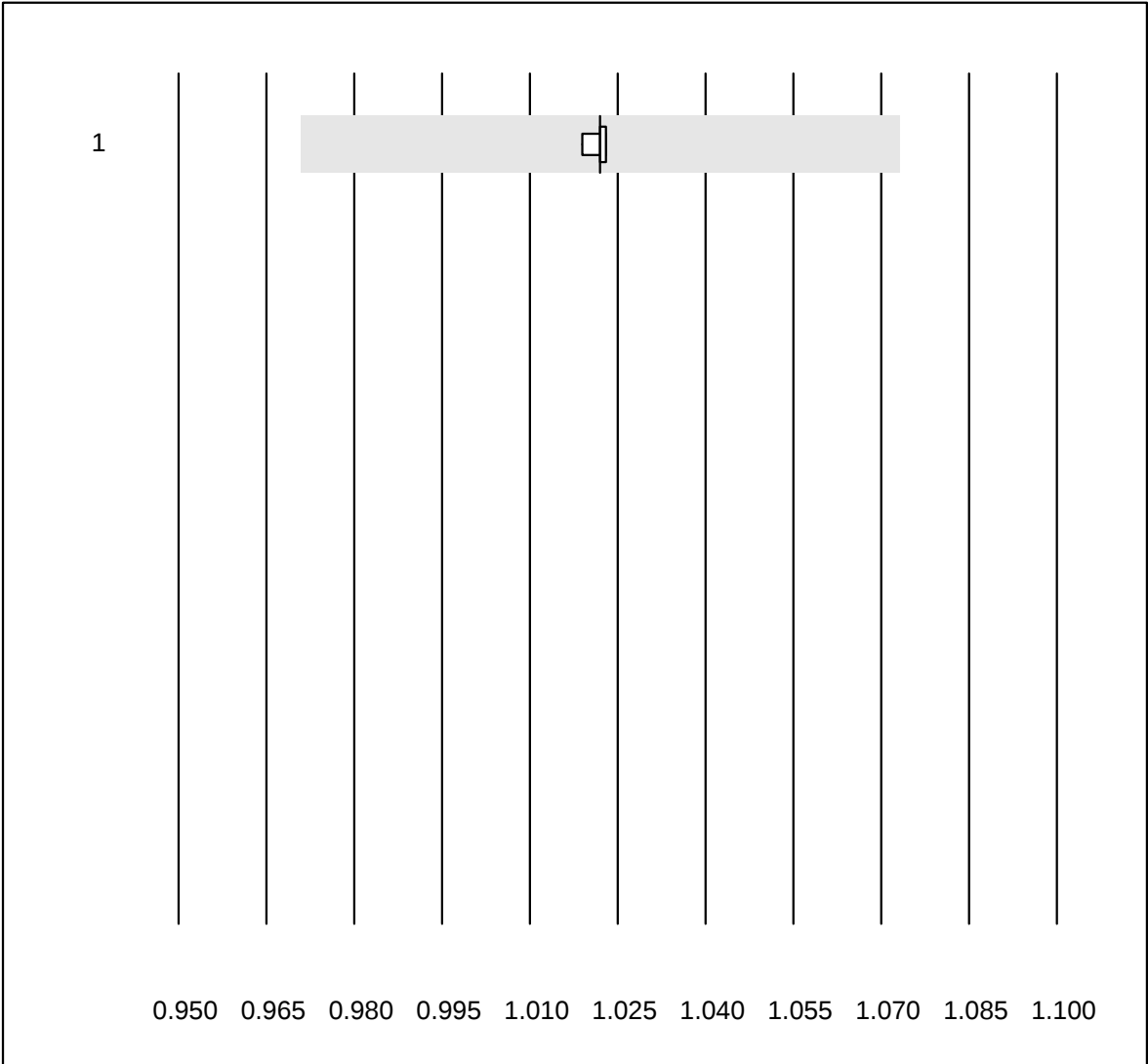


MQ tolerance : 15 %

Uric Acid-Urine (mmol/l)

| No.Methode                                                                                                            |                    | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|-----------------------------------------------------------------------------------------------------------------------|--------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1                                                                                                                     | Standard chemistry | 26    | 100.0 | 0.0       | 0.0       | 1.08   | 3.5 | e    |
| 3 additional results were submitted but not published because the method groups were too small. (< results per group) |                    |       |       |           |           |        |     |      |

Specific Gravity-Urine

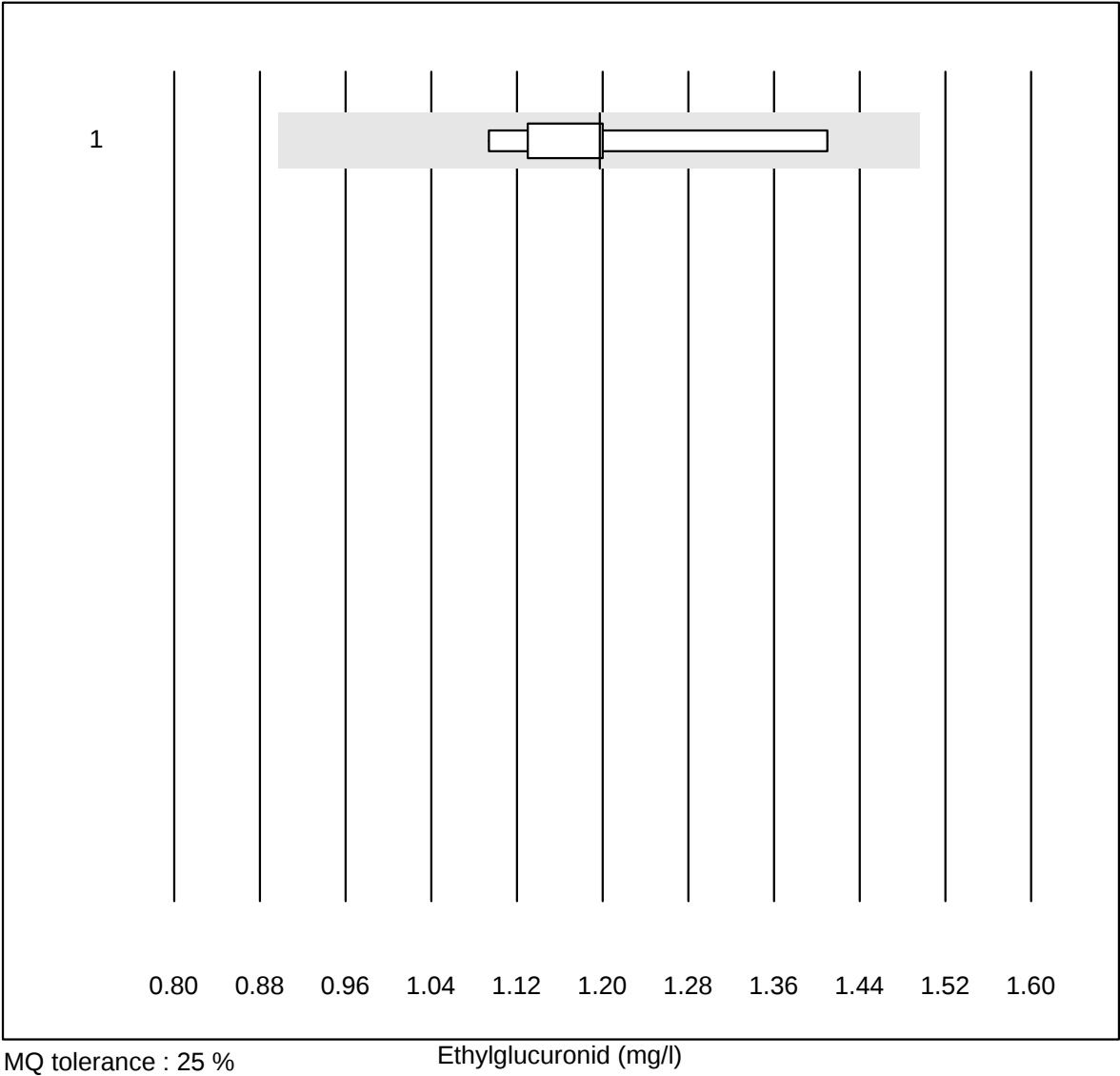


MQ tolerance : 5 %

Specific Gravity-Urine ()

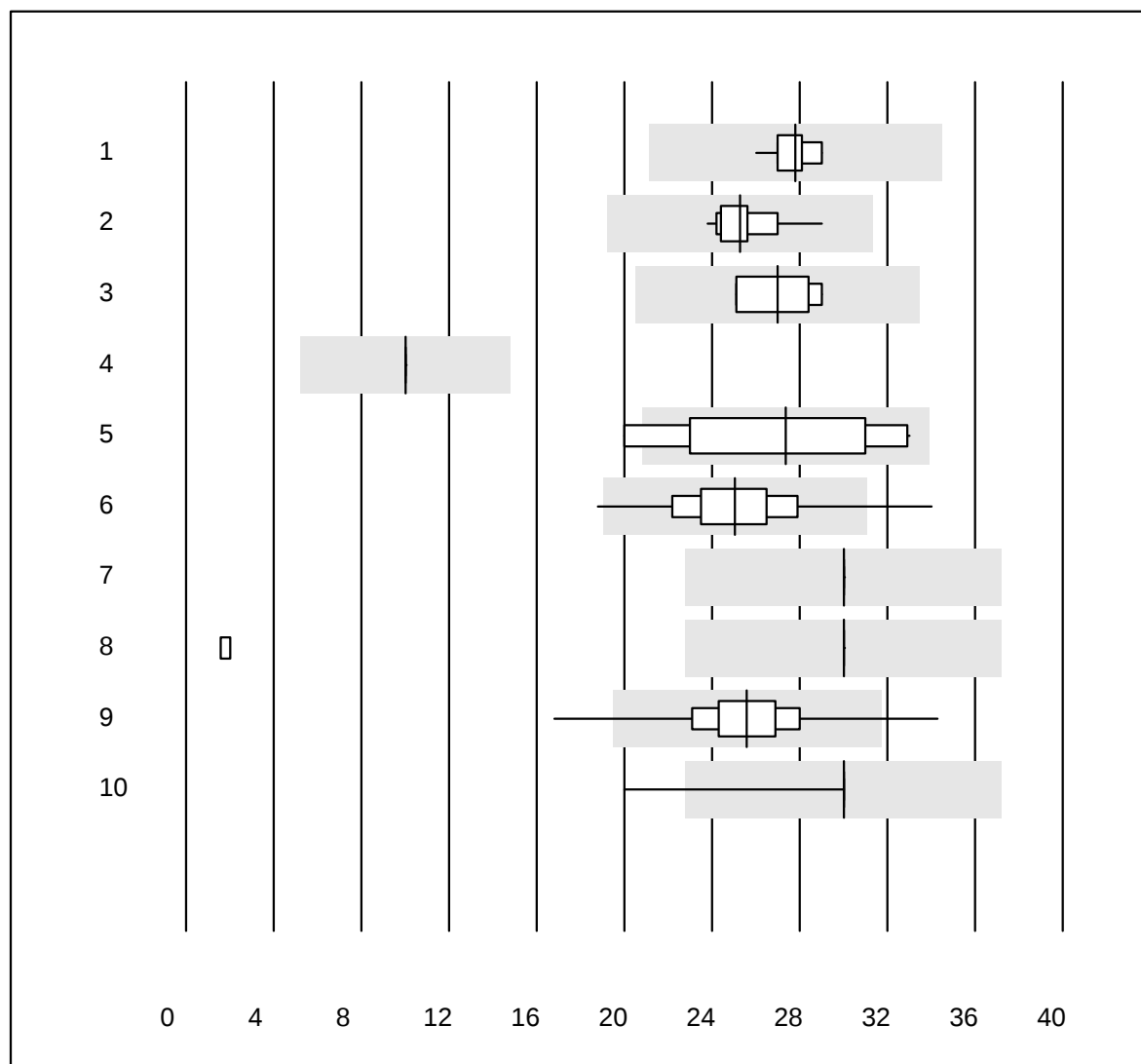
| No.Methode |               | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|---------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | Refractometer | 5     | 100.0 | 0.0       | 0.0       | 1.022  | 0.2 | e    |

Ethylglucuronid



| No.Methode         | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|--------------------|-------|-------|-----------|-----------|--------|------|------|
| 1 all Participants | 5     | 100.0 | 0.0       | 0.0       | 1.20   | 10.2 | e*   |

## Creatinine U



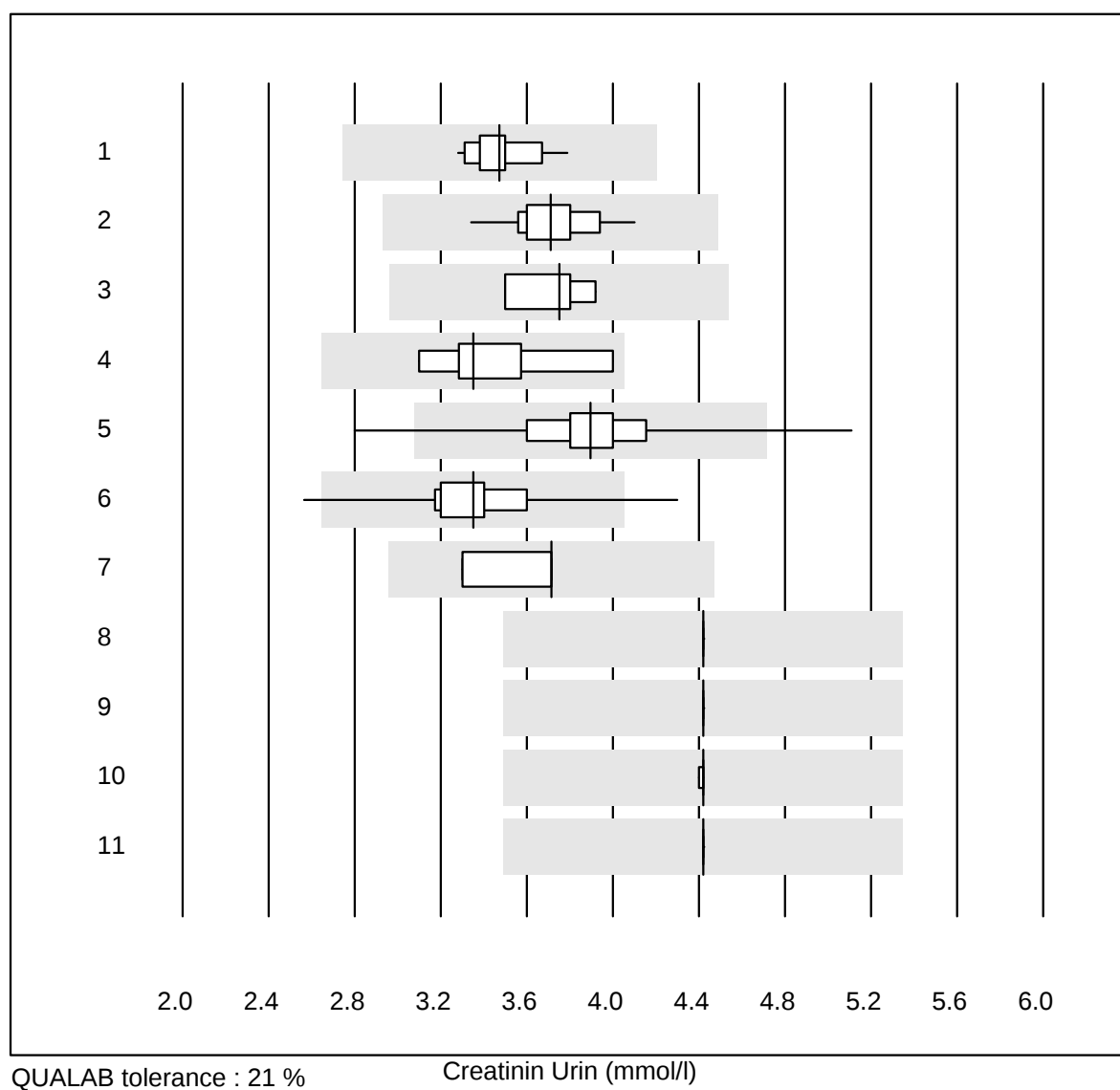
QUALAB tolerance : 24 %  
( < 20.0: +/- 4.8 mg/l)

Creatinine U (mg/l)

| No. | Methode          | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----|------------------|-------|-------|-----------|-----------|--------|------|------|
| 1   | Abbott           | 13    | 92.3  | 0.0       | 7.7       | 27.8   | 3.3  | e    |
| 2   | Roche, Cobas     | 22    | 100.0 | 0.0       | 0.0       | 25.3   | 5.5  | e    |
| 3   | Siemens          | 4     | 100.0 | 0.0       | 0.0       | 27.0   | 7.3  | e*   |
| 4   | Aution           | 9     | 100.0 | 0.0       | 0.0       | 10.0   | 0.0  | e    |
| 5   | AFIAS            | 13    | 76.9  | 15.4      | 7.7       | 27.4   | 16.5 | e*   |
| 6   | Afinion          | 511   | 95.6  | 2.2       | 2.2       | 25.1   | 9.3  | e    |
| 7   | Sysmex U         | 15    | 66.7  | 0.0       | 33.3      | 30.0   | 0.0  | e    |
| 8   | Other methods    | 4     | 25.0  | 0.0       | 75.0      | 30.0   | 0.0  | a    |
| 9   | DCA2000/Vantage  | 162   | 90.7  | 3.1       | 6.2       | 25.6   | 9.4  | e    |
| 10  | Siemens Clinitek | 25    | 68.0  | 4.0       | 28.0      | 30.0   | 8.0  | a    |

One result was submitted but not published because the method group was too small. (< 4 results per group)

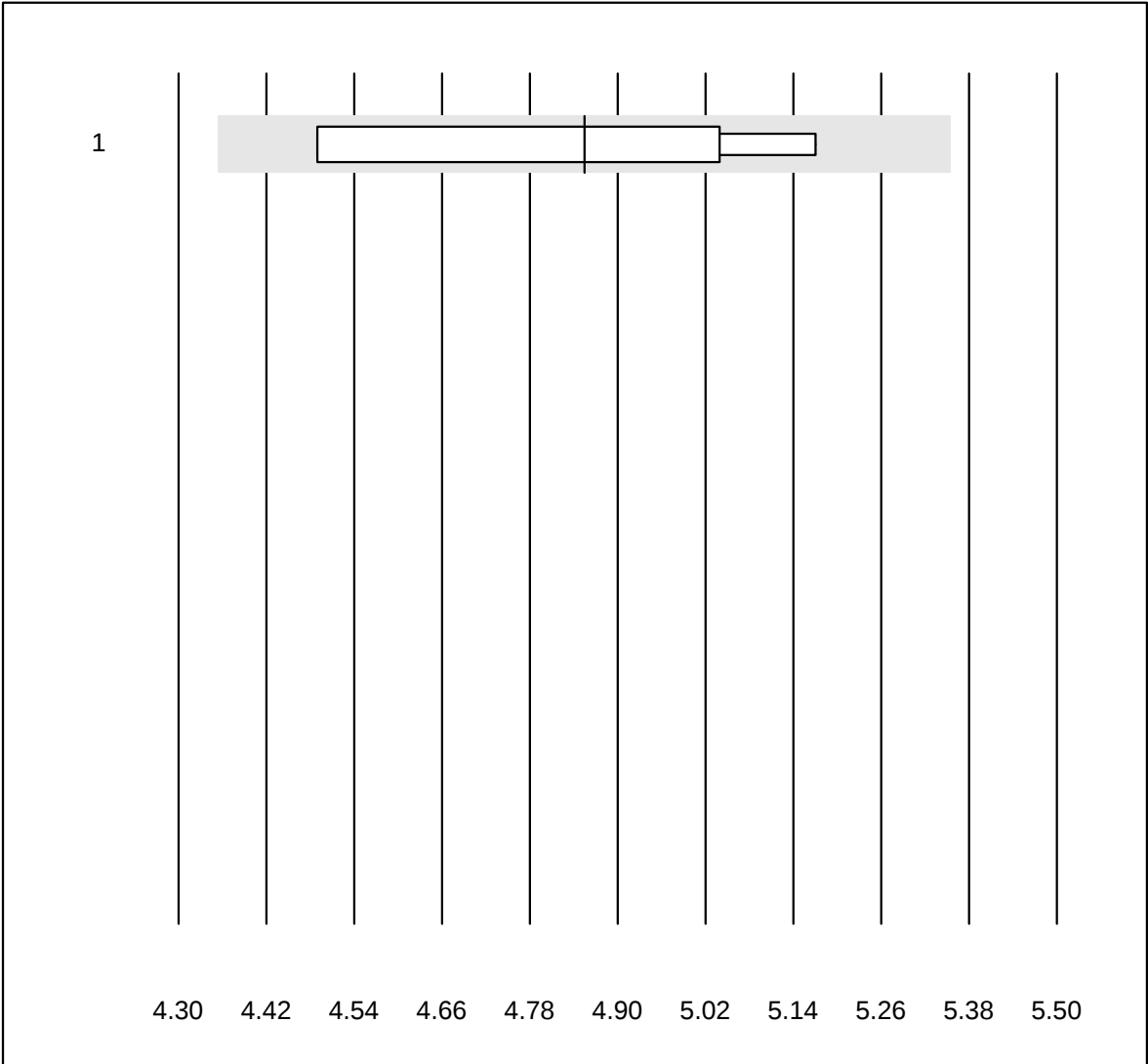
## Creatinin Urin



| No. | Methode            | Total | % OK  | % insuff. | % outlier | Target | CV%  | Type |
|-----|--------------------|-------|-------|-----------|-----------|--------|------|------|
| 1   | Abbott             | 13    | 100.0 | 0.0       | 0.0       | 3.5    | 4.0  | e    |
| 2   | Roche              | 28    | 100.0 | 0.0       | 0.0       | 3.7    | 4.5  | e    |
| 3   | Beckman            | 4     | 100.0 | 0.0       | 0.0       | 3.8    | 4.8  | e    |
| 4   | Siemens            | 5     | 100.0 | 0.0       | 0.0       | 3.4    | 10.0 | e*   |
| 5   | DCA2000/Vantage    | 160   | 90.6  | 3.1       | 6.3       | 3.9    | 7.2  | e    |
| 6   | Afinion            | 505   | 97.6  | 1.0       | 1.4       | 3.4    | 5.7  | e    |
| 7   | Standard chemistry | 4     | 75.0  | 0.0       | 25.0      | 3.7    | 5.9  | a    |
| 8   | Sysmex U           | 12    | 83.3  | 0.0       | 16.7      | 4.4    | 0.0  | e    |
| 9   | Aution             | 9     | 55.6  | 0.0       | 44.4      | 4.4    | 0.0  | e    |
| 10  | Siemens Clinitek   | 22    | 77.3  | 0.0       | 22.7      | 4.4    | 0.2  | a    |
| 11  | Other methods      | 5     | 60.0  | 0.0       | 40.0      | 4.4    | 0.0  | a    |

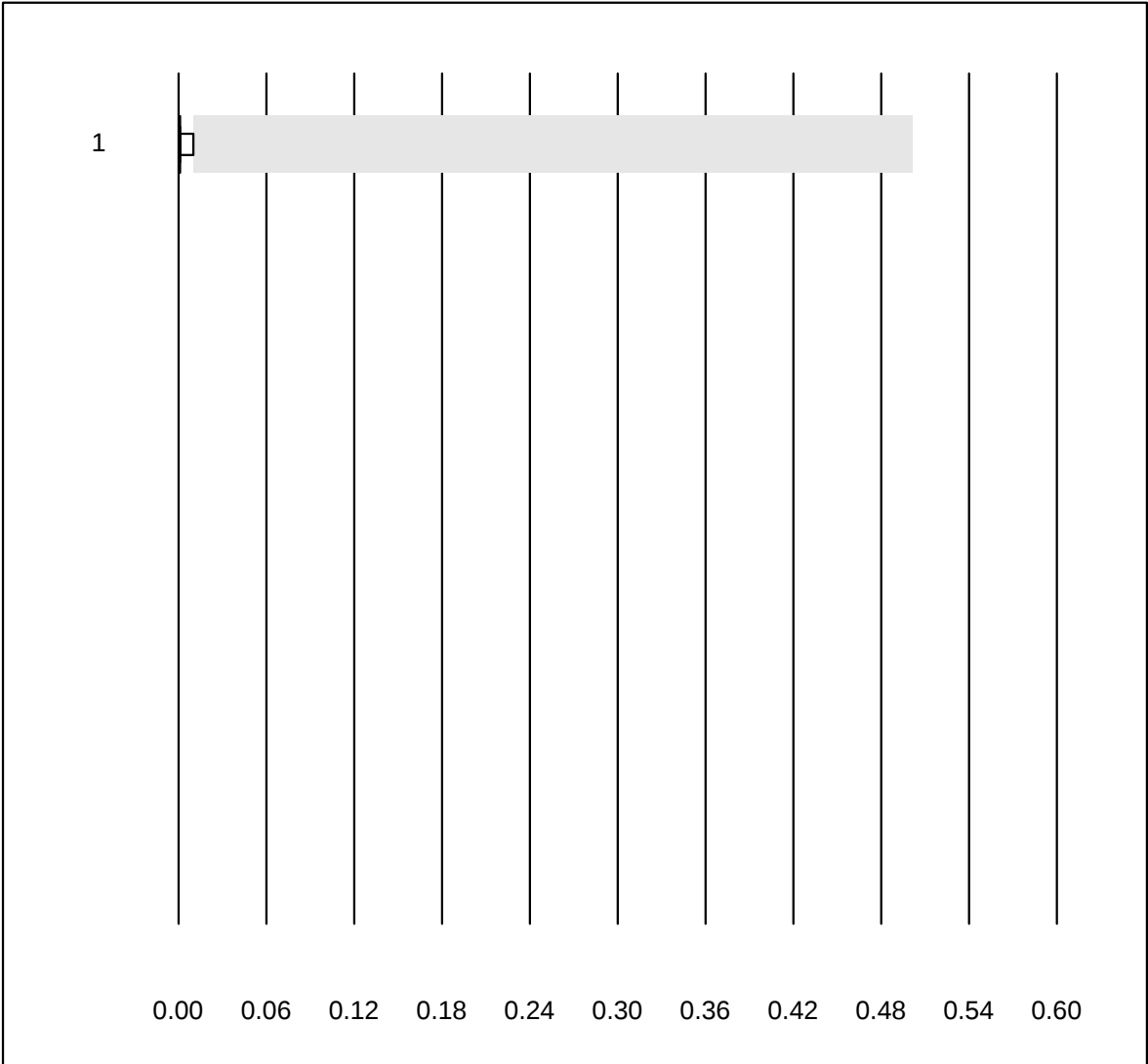
2 additional results were submitted but not published because the method groups were too small. (< results per group)

CMV NAT qn



|                                        |       |       |           |           |        |     |      |
|----------------------------------------|-------|-------|-----------|-----------|--------|-----|------|
| CMV NAT qn (Log10 IU/m)                |       |       |           |           |        |     |      |
| QUALAB tolerance : +/- 0.50 Log10 IU/m |       |       |           |           |        |     |      |
| No.Methode                             | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
| 1 all Participants                     | 4     | 100.0 | 0.0       | 0.0       | 4.85   | 6.5 | e*   |

HBV NAT qn

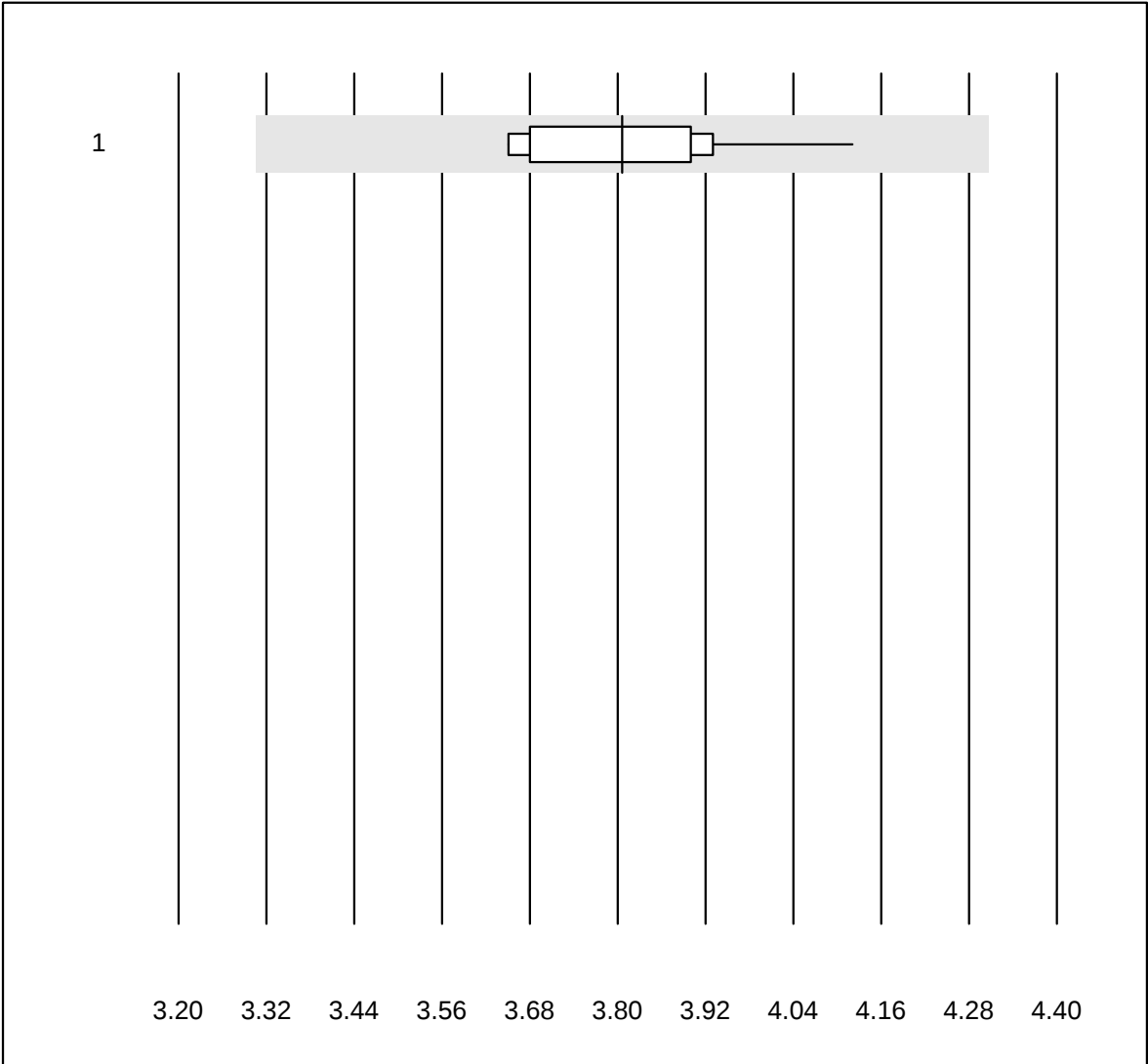


HBV NAT qn (Log10 IU/m)

QUALAB tolerance : +/- 0.50 Log10 IU/m

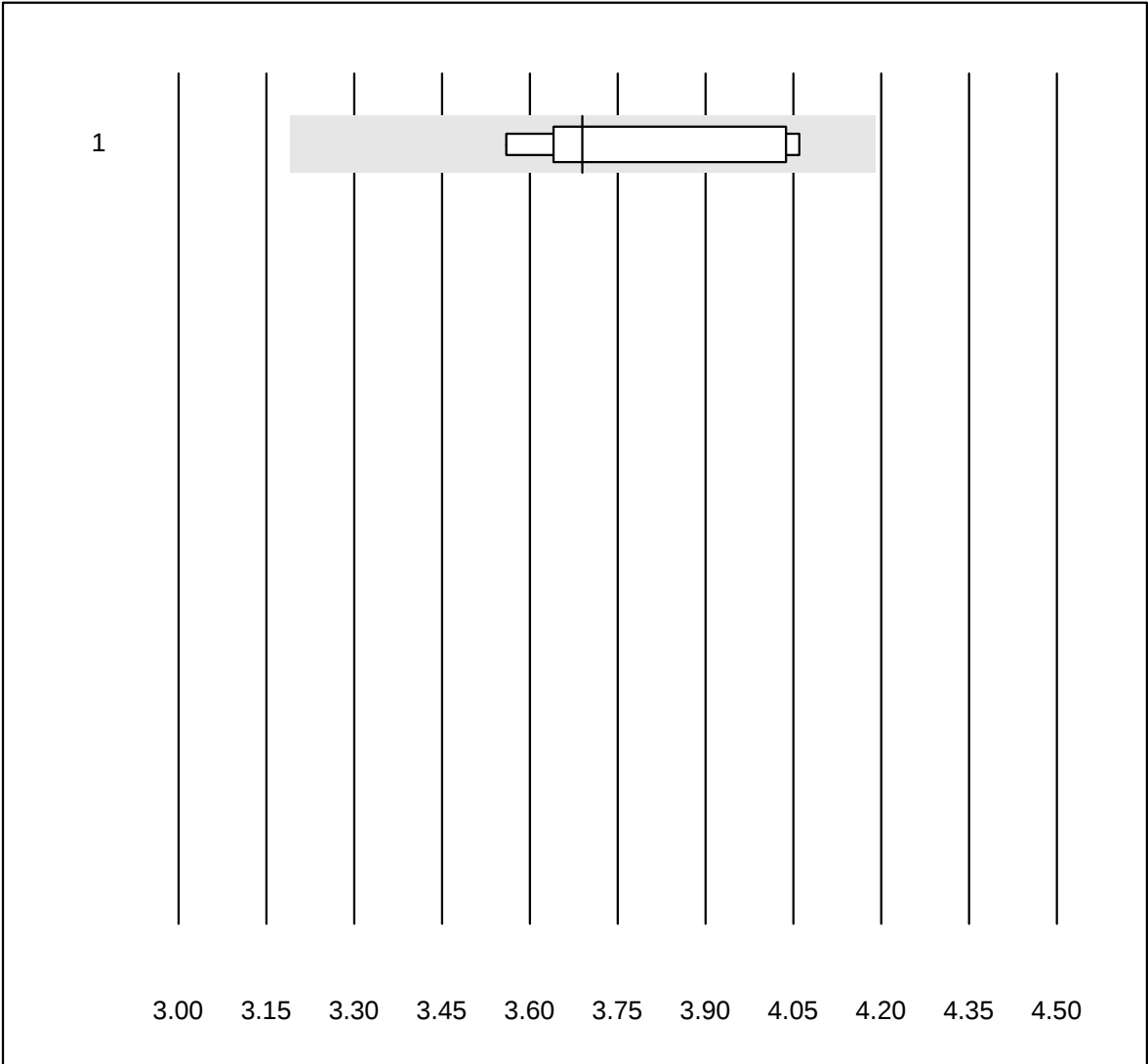
| No.Methode |                  | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | all Participants | 9     | 100.0 | 0.0       | 0.0       | 0.00   | 0.0 | e*   |

HCV NAT qn



| HCV NAT qn (Log10 IU/m)                |  |       |       |           |           |        |          |
|----------------------------------------|--|-------|-------|-----------|-----------|--------|----------|
| QUALAB tolerance : +/- 0.50 Log10 IU/m |  |       |       |           |           |        |          |
| No.Methode                             |  | Total | % OK  | % insuff. | % outlier | Target | CV% Type |
| 1 all Participants                     |  | 10    | 100.0 | 0.0       | 0.0       | 3.81   | 4.0 e*   |

HIV1 NAT qn



HIV1 NAT qn (Log10 cp/m)

QUALAB tolerance : +/- 0.50 Log10 cp/m

| No.Methode |                  | Total | % OK  | % insuff. | % outlier | Target | CV% | Type |
|------------|------------------|-------|-------|-----------|-----------|--------|-----|------|
| 1          | all Participants | 7     | 100.0 | 0.0       | 0.0       | 3.69   | 5.3 | e*   |