Verein für
Association pour le
Associazione per il

medizinische Qualitätskontrolle
contrôle de qualité médical
controllo di qualità medico

# Survey Report

# 2016 - 2

MQ, Institut für Klinische Chemie, Universitätsspital Zürich, 8091 Zürich
Telefon 044/255 34 11, Telefax 044/261 12 83, www.mqzh.ch, info@mqzh.ch

**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:
B1 Strep A Test, 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.

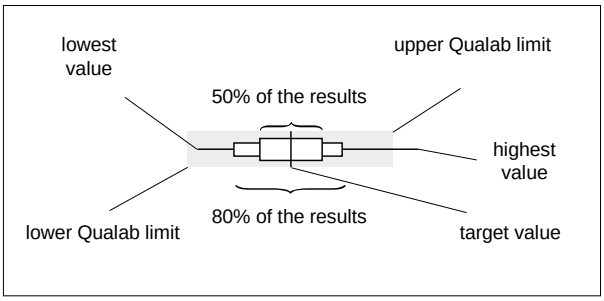
***Uncertainty of the determined target values***
The standard uncertainty ($u_x$) is calculated using the following formula (ISO13528):
ux = (target value/100) * (1.25/square root of "number of participants") * %CV

- ux has the same unit as the target value
- ux can be compared with the standard deviation of the participants' collective (SD=target value*%CV/100)
- For participant numbers >18, the standard uncertainty (ux) 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, external quality control). For non-mandatory analyzes, the tolerances are specified by MQ's survey specimen leader.

If the determined uncertainty, ux, 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.

.

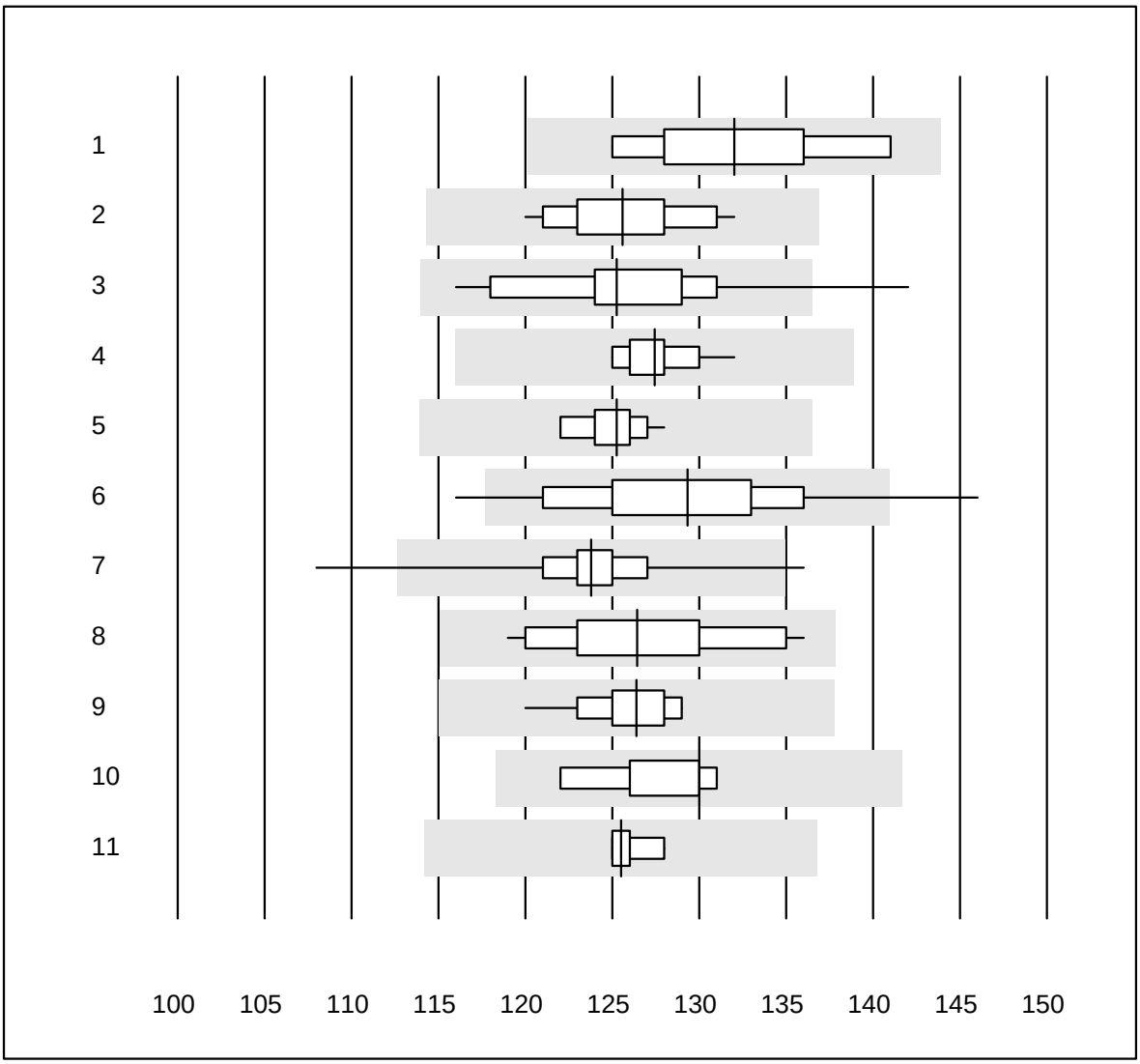
Zürich, 4.7.2016

Dr. R. Fried
Survey Director



.

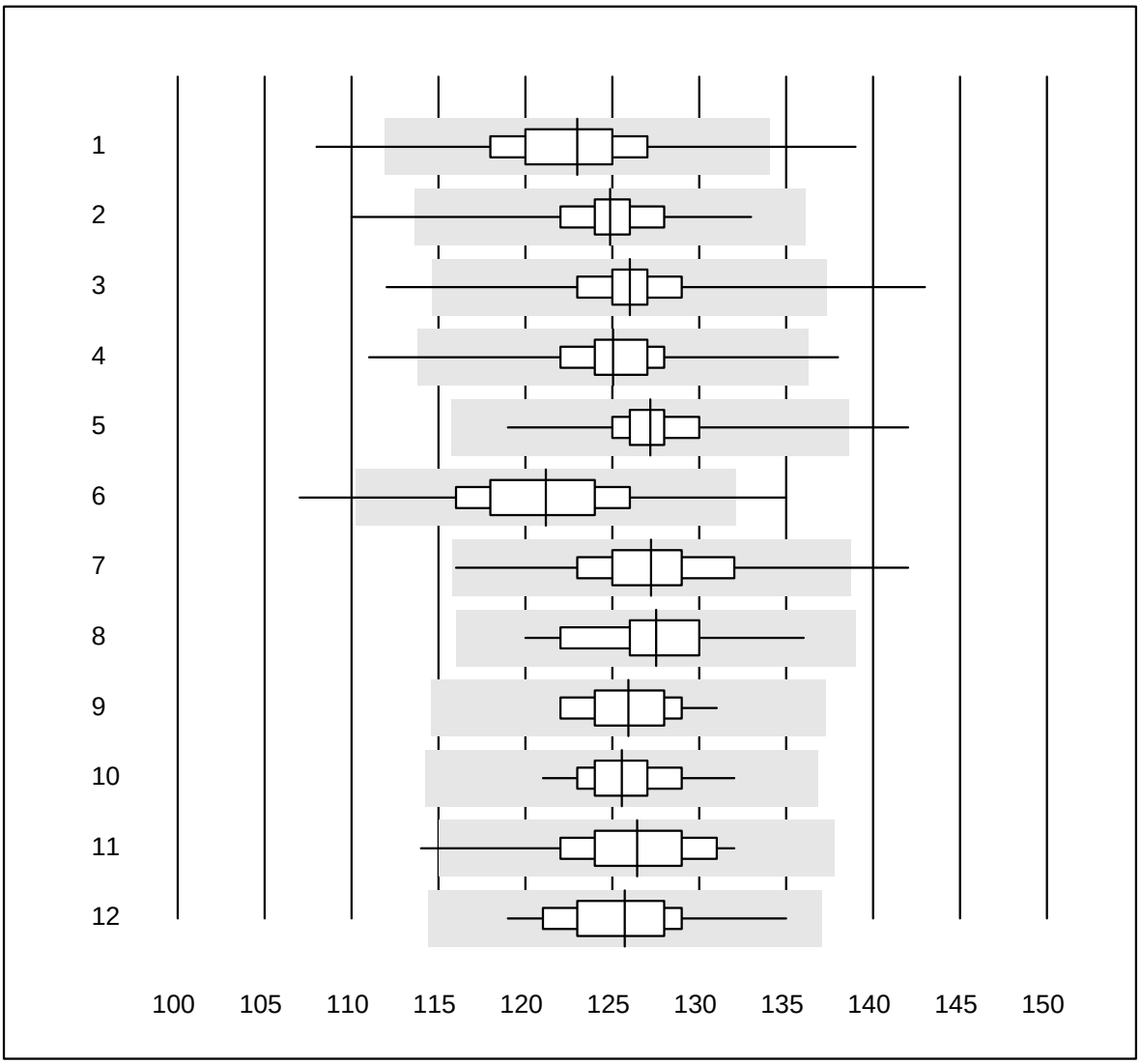
# Hemoglobin




QUALAB tolerance : 9 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | DiaSpect | 6 | 100.0 | 0.0 | 0.0 | 132.0 | 4.3 | e* |
| 2 | Automat | 34 | 100.0 | 0.0 | 0.0 | 125.6 | 2.7 | e |
| 3 | Cyanmethemoglobin | 45 | 91.1 | 2.2 | 6.7 | 125.2 | 4.1 | e |
| 4 | Sysmex X | 39 | 97.4 | 0.0 | 2.6 | 127.4 | 1.3 | e |
| 5 | ABX Pentra | 10 | 100.0 | 0.0 | 0.0 | 125.2 | 1.4 | e |
| 6 | Reflotron | 64 | 82.8 | 10.9 | 6.3 | 129.3 | 5.1 | e |
| 7 | Hemocue | 350 | 95.7 | 1.4 | 2.9 | 123.8 | 2.5 | e |
| 8 | Dr. Lange | 19 | 89.5 | 0.0 | 10.5 | 126.4 | 4.0 | e |
| 9 | Hemocontrol | 13 | 100.0 | 0.0 | 0.0 | 126.4 | 2.2 | e |
| 10 | Eurolyser | 5 | 100.0 | 0.0 | 0.0 | 130.0 | 2.9 | e* |
| 11 | Celldyn | 4 | 100.0 | 0.0 | 0.0 | 125.5 | 1.1 | e |

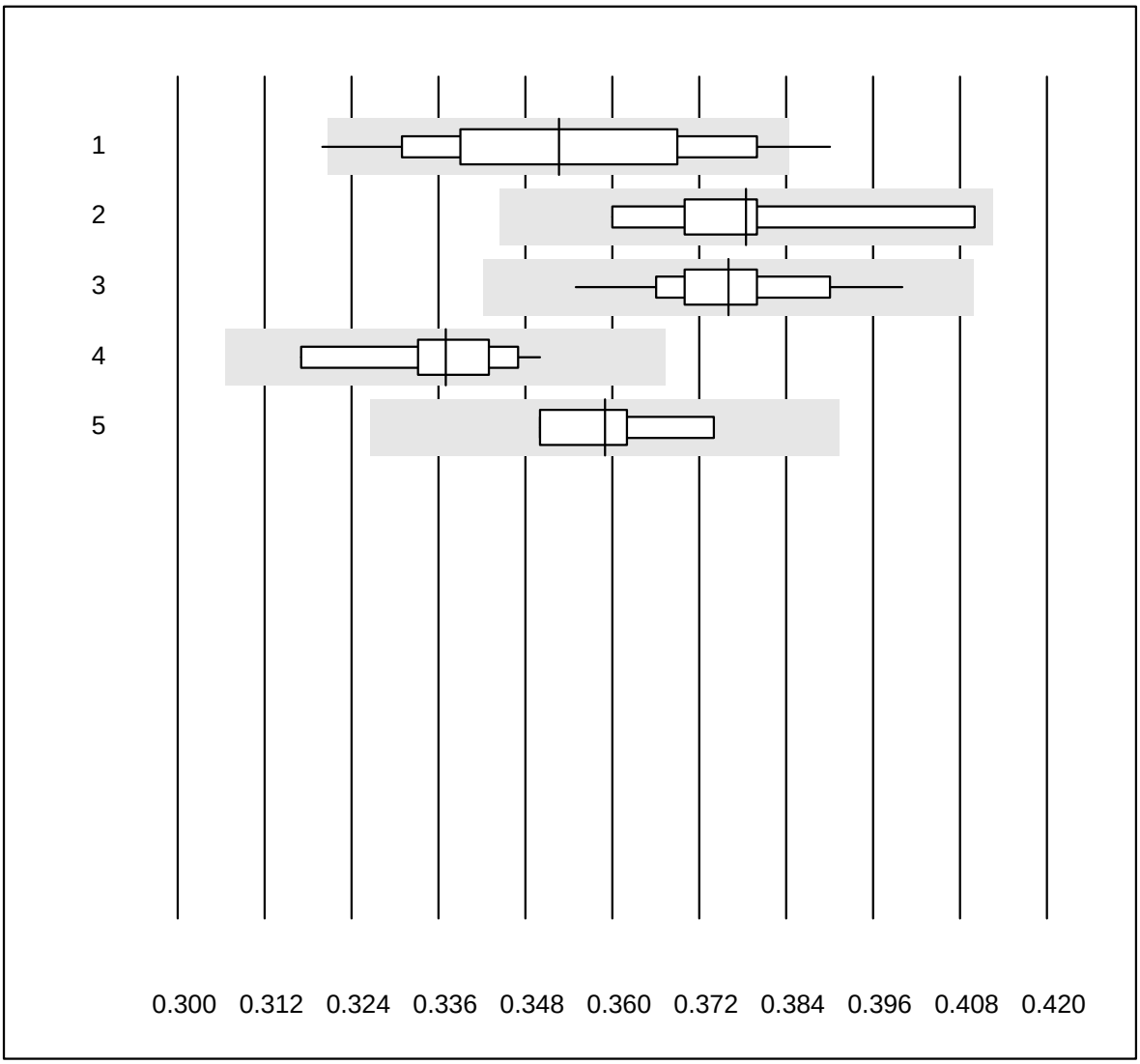
# Hemoglobin




QUALAB tolerance : 9 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Abx Micros | 739 | 96.2 | 1.1 | 2.7 | 123.0 | 3.1 | e |
| 2 | Microsemi | 366 | 99.2 | 0.3 | 0.5 | 124.9 | 2.1 | e |
| 3 | Sysmex KX21 | 397 | 95.7 | 0.8 | 3.5 | 126.0 | 2.2 | e |
| 4 | Sysmex PocH - 100i | 206 | 95.2 | 2.4 | 2.4 | 125.0 | 2.7 | e |
| 5 | Sysmex XP 300 | 261 | 96.5 | 0.8 | 2.7 | 127.2 | 2.0 | e |
| 6 | Mythic | 242 | 94.6 | 1.7 | 3.7 | 121.2 | 3.6 | e |
| 7 | Swelab | 68 | 97.0 | 1.5 | 1.5 | 127.2 | 3.1 | e |
| 8 | Abacus Junior | 12 | 100.0 | 0.0 | 0.0 | 127.5 | 3.2 | e |
| 9 | Medonic | 15 | 93.3 | 0.0 | 6.7 | 125.9 | 2.1 | e |
| 10 | Nihon Kohden Celltac | 35 | 97.1 | 0.0 | 2.9 | 125.6 | 2.1 | e |
| 11 | Samsung HC10 | 45 | 93.4 | 4.4 | 2.2 | 126.4 | 3.2 | e |
| 12 | Norma Icon 3 | 26 | 100.0 | 0.0 | 0.0 | 125.7 | 2.9 | e |

# Hematocrit

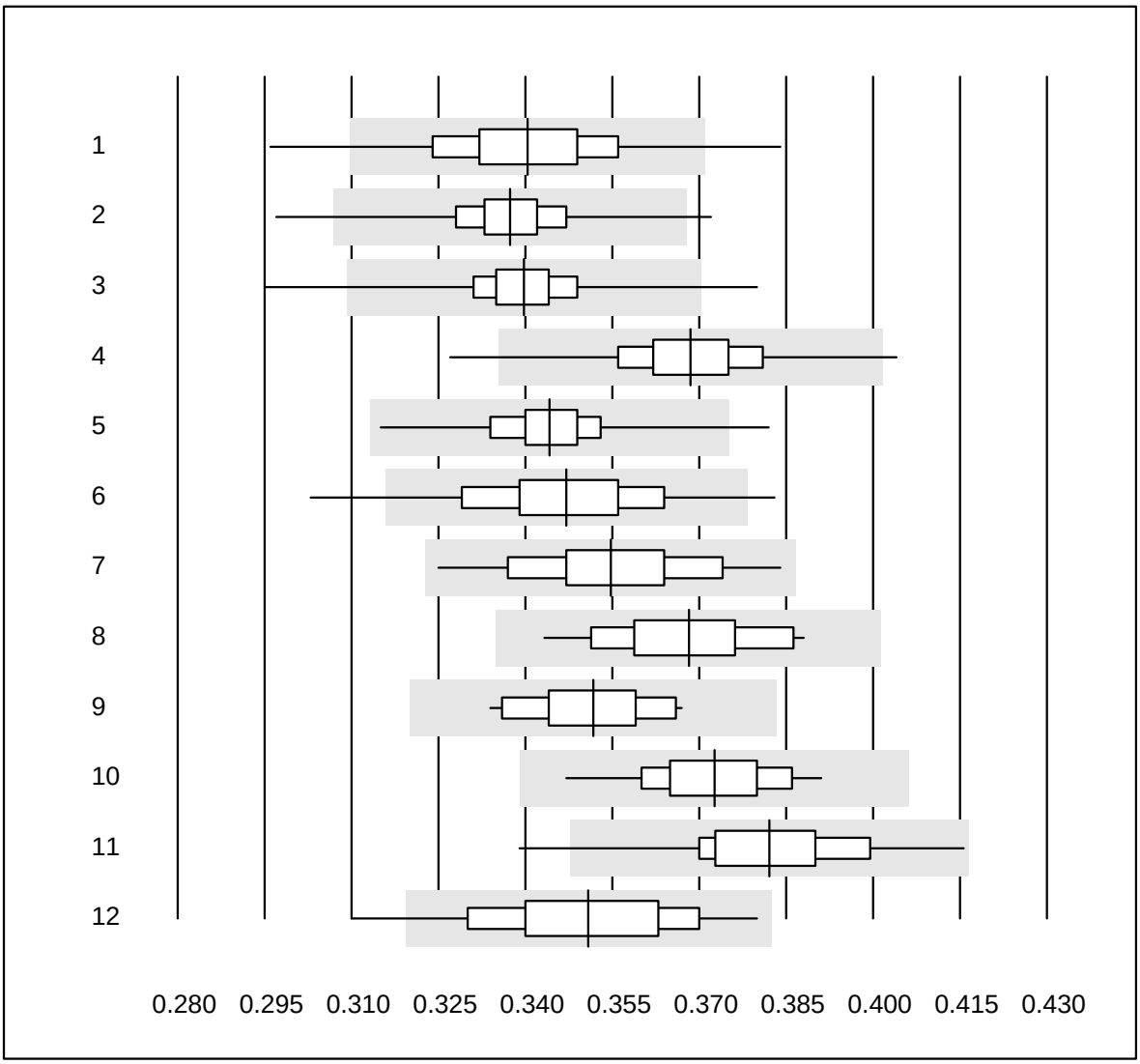



QUALAB tolerance : 9 %

Hematocrit (l/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Automat | 28 | 85.7 | 10.7 | 3.6 | 0.35 | 5.4 | e |
| 2 | Centrifuge | 13 | 100.0 | 0.0 | 0.0 | 0.38 | 4.7 | e* |
| 3 | Sysmex X | 38 | 97.4 | 0.0 | 2.6 | 0.38 | 2.6 | e |
| 4 | ABX Pentra | 10 | 100.0 | 0.0 | 0.0 | 0.34 | 2.8 | e |
| 5 | Celldyn | 4 | 100.0 | 0.0 | 0.0 | 0.36 | 2.8 | e* |

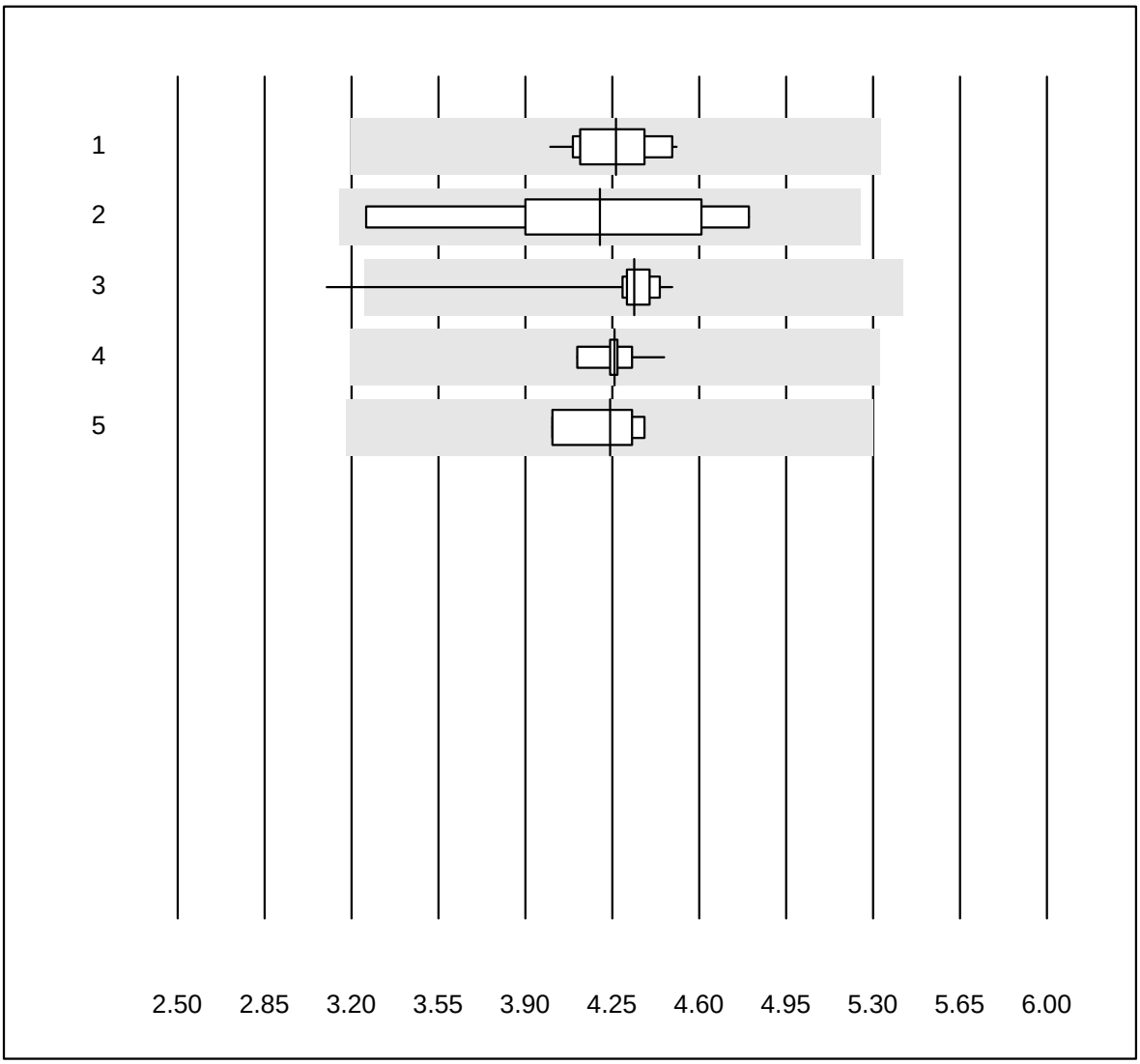
# Hematocrit




QUALAB tolerance : 9 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Abx Micros | 739 | 94.4 | 2.4 | 3.2 | 0.34 | 3.8 | e |
| 2 | Microsemi | 363 | 98.6 | 0.8 | 0.6 | 0.34 | 2.4 | e |
| 3 | Sysmex KX21 | 397 | 95.7 | 0.8 | 3.5 | 0.34 | 2.5 | e |
| 4 | Sysmex PocH - 100i | 206 | 98.0 | 1.5 | 0.5 | 0.37 | 3.1 | e |
| 5 | Sysmex XP 300 | 257 | 98.0 | 1.2 | 0.8 | 0.34 | 2.4 | e |
| 6 | Mythic | 242 | 88.4 | 3.3 | 8.3 | 0.35 | 4.0 | e |
| 7 | Swelab | 68 | 98.5 | 0.0 | 1.5 | 0.35 | 3.8 | e |
| 8 | Abacus Junior | 12 | 100.0 | 0.0 | 0.0 | 0.37 | 3.6 | e |
| 9 | Medonic | 15 | 93.3 | 0.0 | 6.7 | 0.35 | 3.0 | e |
| 10 | Nihon Kohden Celltac | 36 | 94.4 | 0.0 | 5.6 | 0.37 | 3.0 | e |
| 11 | Samsung HC10 | 45 | 93.4 | 4.4 | 2.2 | 0.38 | 4.0 | e |
| 12 | Norma Icon 3 | 26 | 96.2 | 3.8 | 0.0 | 0.35 | 4.7 | e |

# Erythrocytes

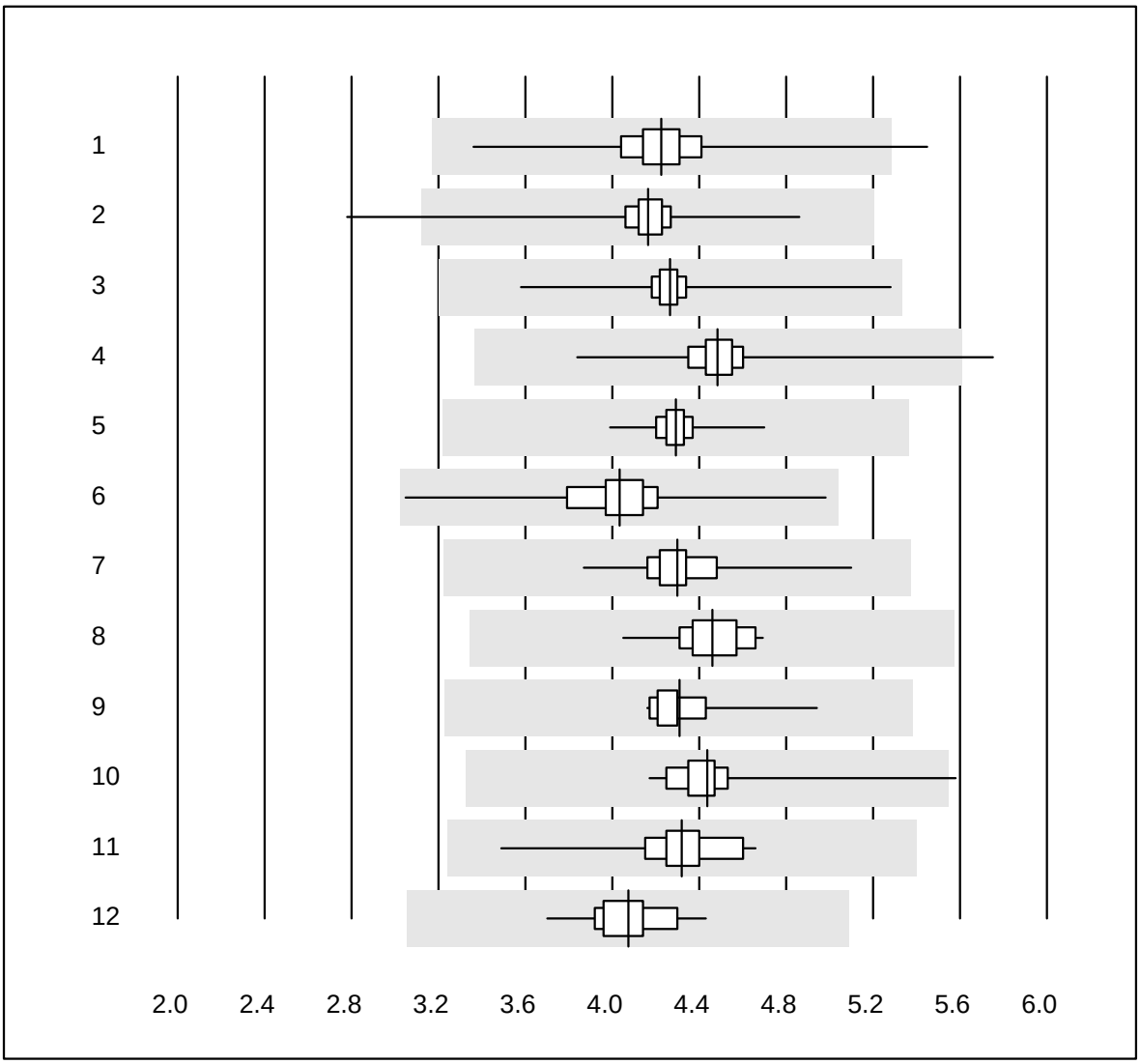



QUALAB tolerance : 25 %

Erythrocytes (T/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Automat | 26 | 100.0 | 0.0 | 0.0 | 4.26 | 3.4 | e |
| 2 | Microscopic | 9 | 100.0 | 0.0 | 0.0 | 4.20 | 12.3 | e* |
| 3 | Sysmex X | 40 | 97.5 | 2.5 | 0.0 | 4.34 | 4.8 | e |
| 4 | ABX Pentra | 10 | 100.0 | 0.0 | 0.0 | 4.26 | 2.1 | e |
| 5 | Celldyn | 4 | 100.0 | 0.0 | 0.0 | 4.24 | 4.0 | e |

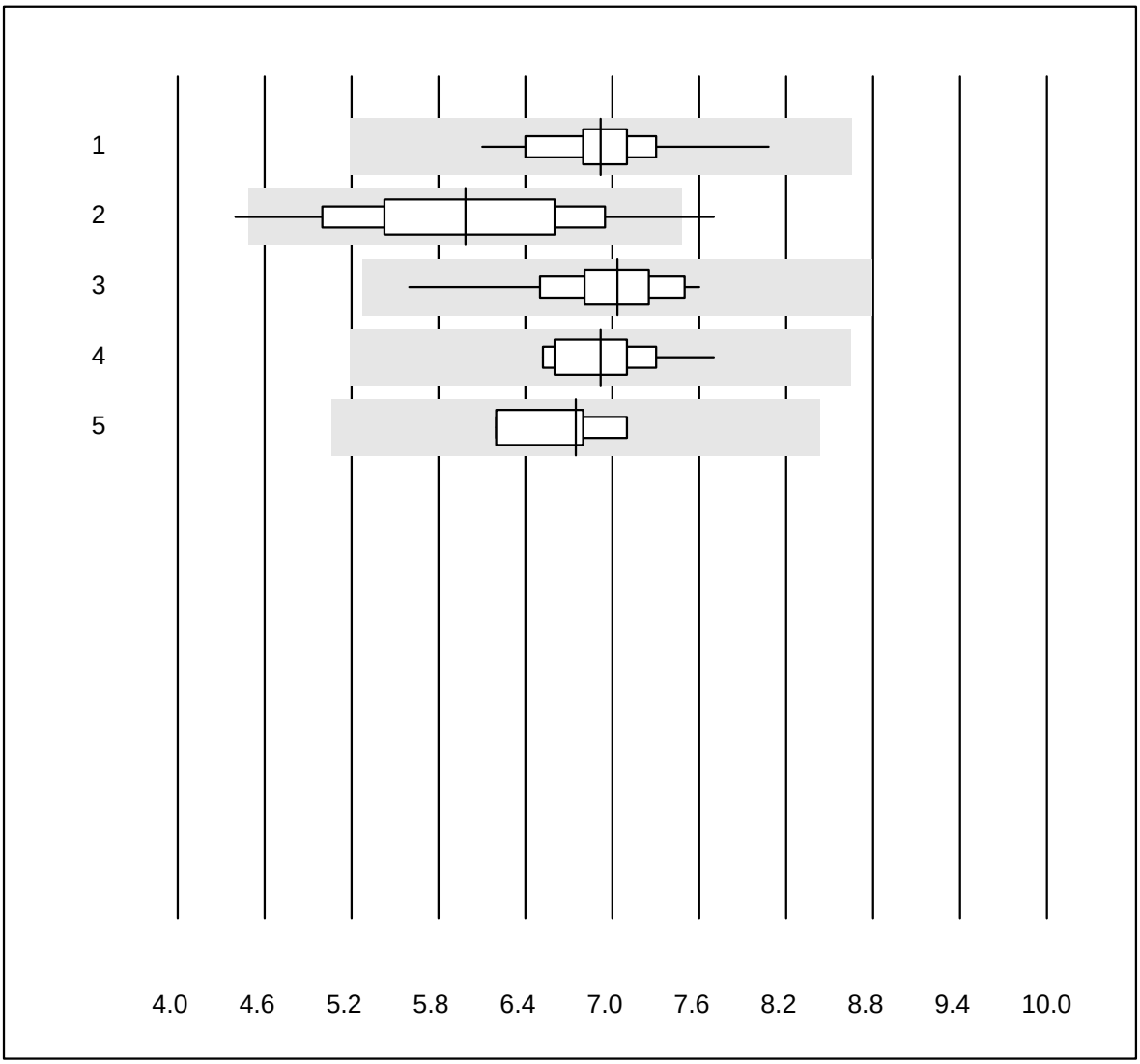
# Erythrocytes




QUALAB tolerance : 25 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Abx Micros | 739 | 98.3 | 0.3 | 1.4 | 4.23 | 4.3 | e |
| 2 | Microsemi | 365 | 99.2 | 0.5 | 0.3 | 4.16 | 3.6 | e |
| 3 | Sysmex KX21 | 397 | 97.7 | 0.0 | 2.3 | 4.27 | 2.7 | e |
| 4 | Sysmex PocH - 100i | 206 | 98.5 | 0.5 | 1.0 | 4.48 | 3.3 | e |
| 5 | Sysmex XP 300 | 259 | 98.8 | 0.0 | 1.2 | 4.29 | 2.0 | e |
| 6 | Mythic | 242 | 97.5 | 0.0 | 2.5 | 4.03 | 5.2 | e |
| 7 | Swelab | 68 | 100.0 | 0.0 | 0.0 | 4.30 | 3.9 | e |
| 8 | Abacus Junior | 12 | 100.0 | 0.0 | 0.0 | 4.46 | 3.8 | e |
| 9 | Medonic | 15 | 100.0 | 0.0 | 0.0 | 4.31 | 4.4 | e |
| 10 | Nihon Kohden Celltac | 35 | 97.1 | 2.9 | 0.0 | 4.44 | 5.1 | e |
| 11 | Samsung HC10 | 45 | 100.0 | 0.0 | 0.0 | 4.32 | 4.7 | e |
| 12 | Norma Icon 3 | 26 | 100.0 | 0.0 | 0.0 | 4.07 | 3.8 | e |

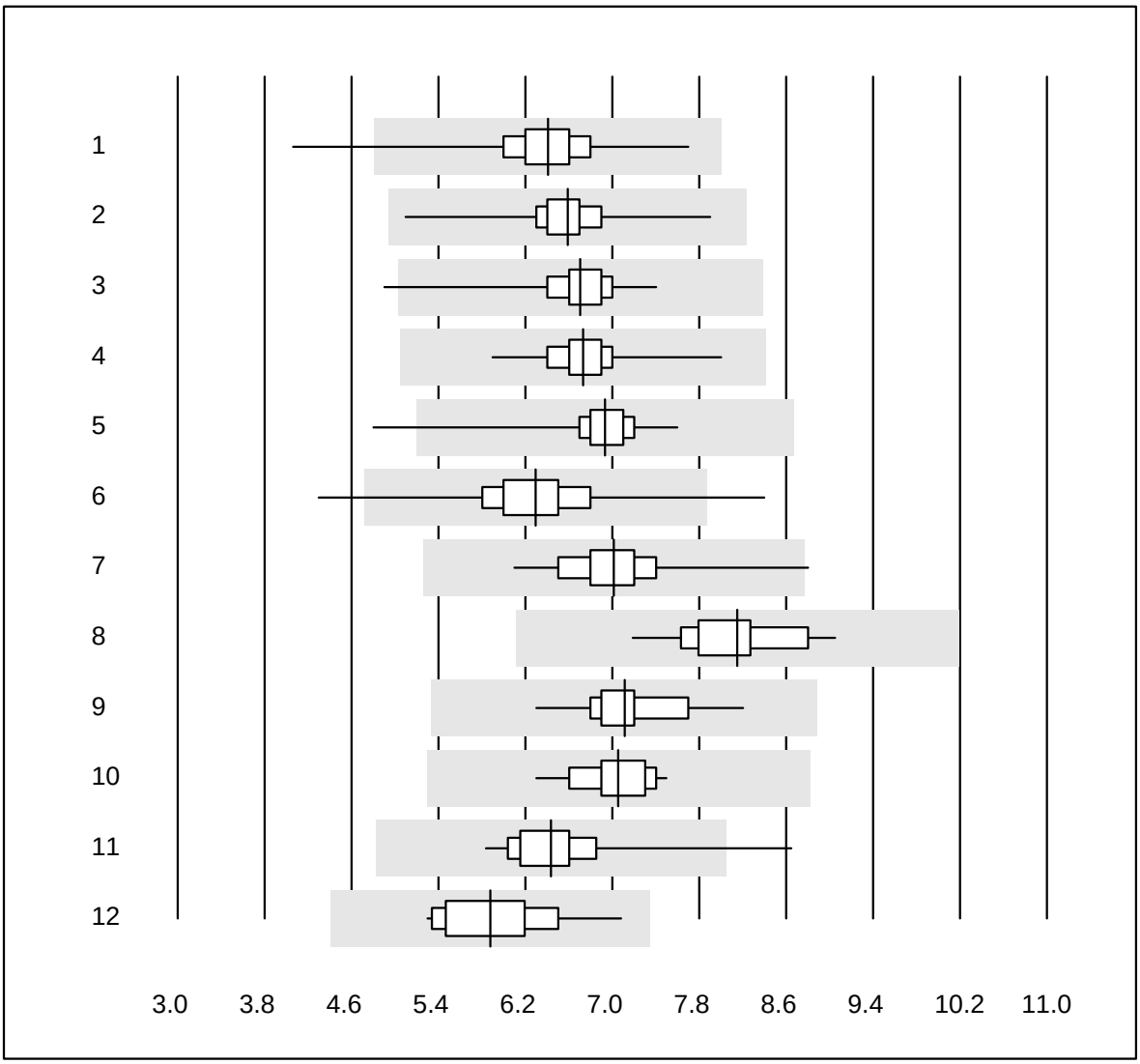
# Leucocytes




QUALAB tolerance : 25 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Automat | 25 | 100.0 | 0.0 | 0.0 | 6.92 | 6.1 | e |
| 2 | Microscopic | 48 | 91.6 | 4.2 | 4.2 | 5.98 | 12.6 | e |
| 3 | Sysmex X | 39 | 100.0 | 0.0 | 0.0 | 7.03 | 5.4 | e |
| 4 | ABX Pentra | 10 | 100.0 | 0.0 | 0.0 | 6.92 | 5.5 | e |
| 5 | Celldyn | 4 | 100.0 | 0.0 | 0.0 | 6.75 | 5.6 | e |

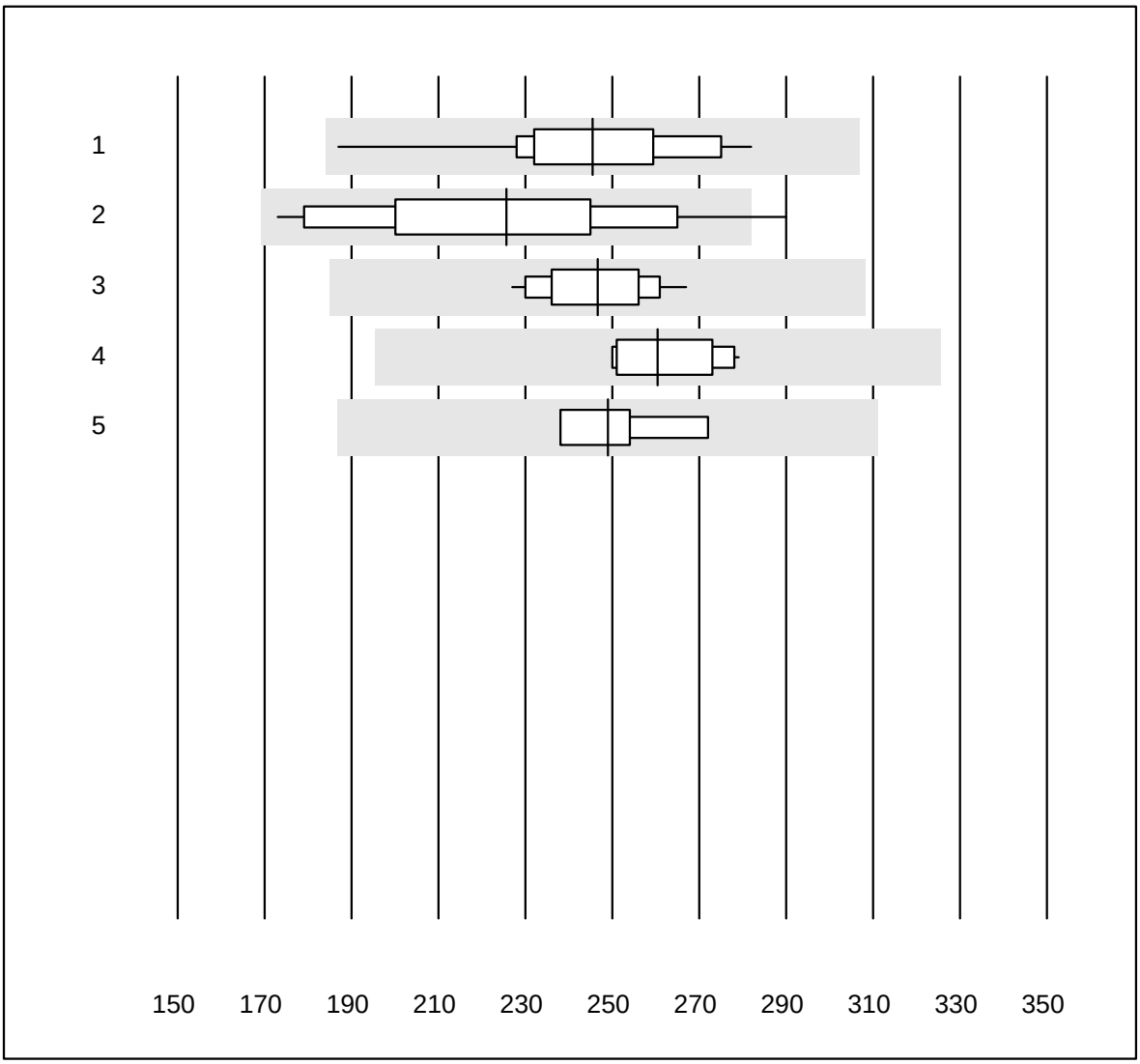
# Leucocytes




QUALAB tolerance : 25 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Abx Micros | 739 | 99.2 | 0.3 | 0.5 | 6.41 | 5.5 | e |
| 2 | Microsemi | 366 | 100.0 | 0.0 | 0.0 | 6.59 | 4.0 | e |
| 3 | Sysmex KX21 | 397 | 99.2 | 0.3 | 0.5 | 6.71 | 4.2 | e |
| 4 | Sysmex PocH - 100i | 206 | 100.0 | 0.0 | 0.0 | 6.73 | 4.3 | e |
| 5 | Sysmex XP 300 | 261 | 99.2 | 0.4 | 0.4 | 6.93 | 4.1 | e |
| 6 | Mythic | 239 | 97.0 | 1.7 | 1.3 | 6.30 | 6.9 | e |
| 7 | Swelab | 68 | 98.5 | 1.5 | 0.0 | 7.01 | 5.9 | e |
| 8 | Abacus Junior | 12 | 100.0 | 0.0 | 0.0 | 8.15 | 6.3 | e |
| 9 | Medonic | 15 | 100.0 | 0.0 | 0.0 | 7.11 | 6.0 | e |
| 10 | Nihon Kohden Celltac | 35 | 100.0 | 0.0 | 0.0 | 7.06 | 4.2 | e |
| 11 | Samsung HC10 | 45 | 97.8 | 2.2 | 0.0 | 6.44 | 6.9 | e |
| 12 | Norma Icon 3 | 26 | 100.0 | 0.0 | 0.0 | 5.88 | 8.1 | e |

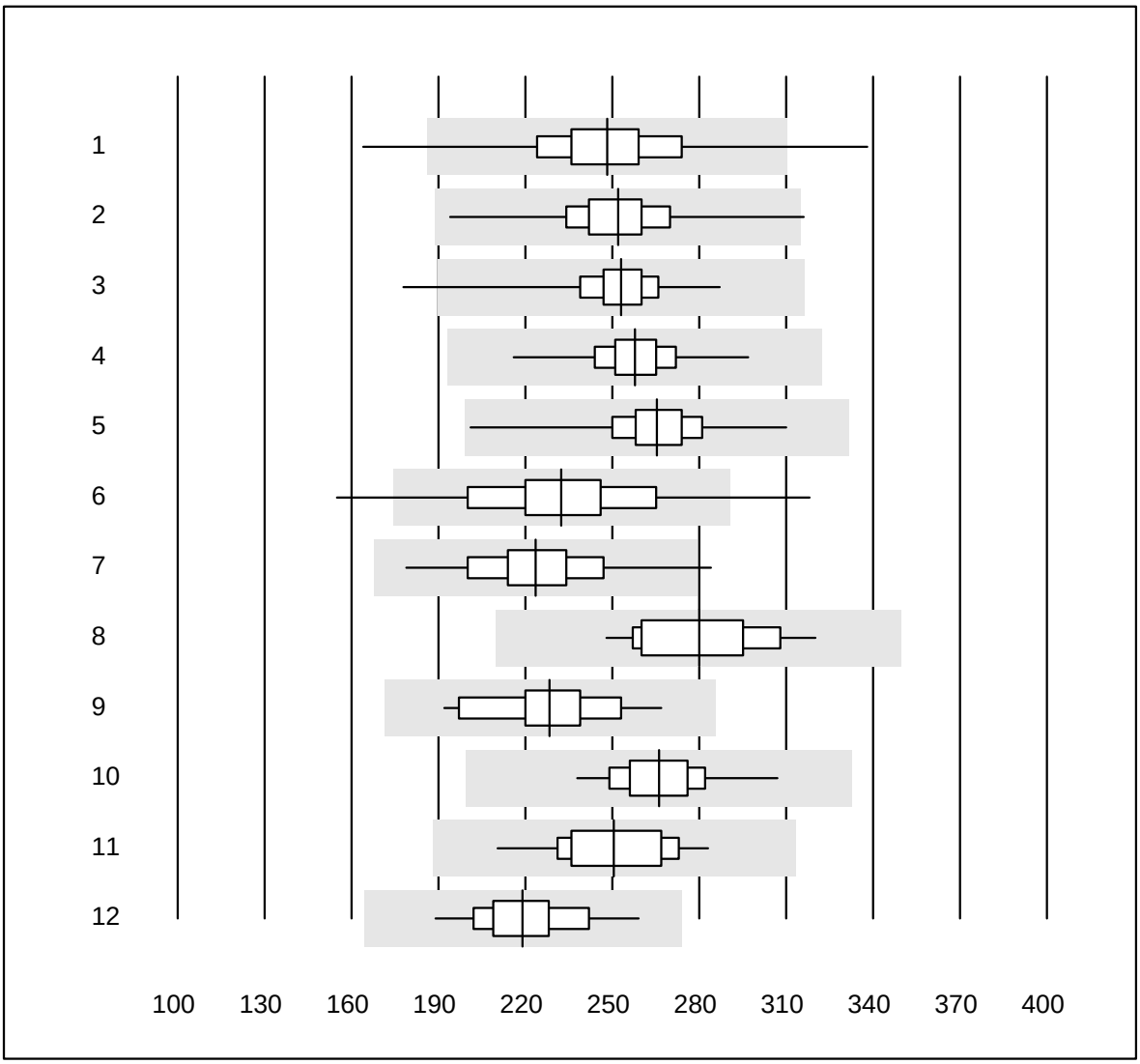
# Thrombocytes




QUALAB tolerance : 25 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Automat | 23 | 100.0 | 0.0 | 0.0 | 245.5 | 9.0 | e |
| 2 | Microscopic | 28 | 92.8 | 3.6 | 3.6 | 225.6 | 14.2 | e |
| 3 | Sysmex X | 39 | 100.0 | 0.0 | 0.0 | 246.7 | 4.7 | e |
| 4 | ABX Pentra | 10 | 100.0 | 0.0 | 0.0 | 260.4 | 4.5 | e |
| 5 | Celldyn | 4 | 100.0 | 0.0 | 0.0 | 249.0 | 5.9 | e |

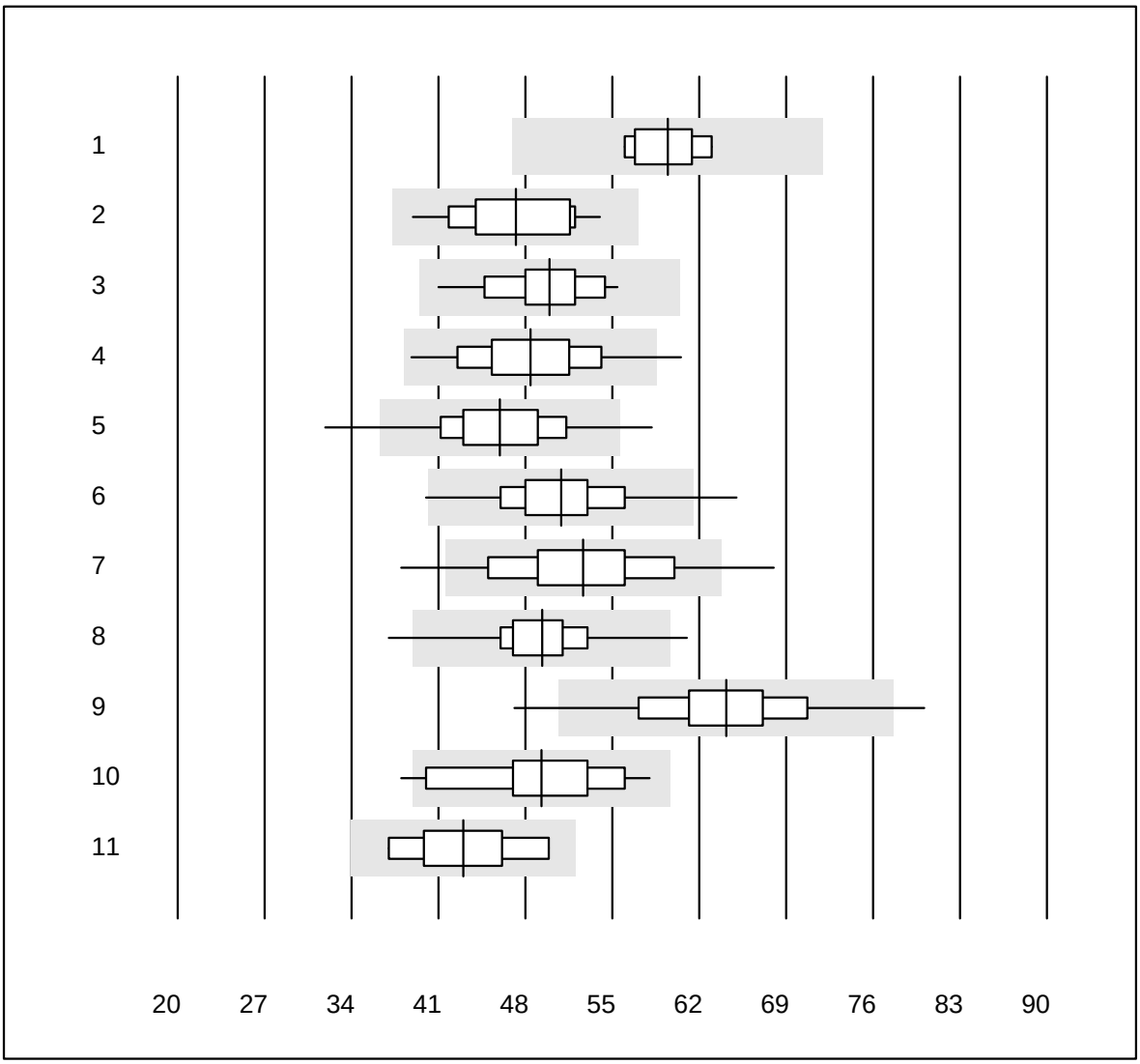
# Thrombocytes




QUALAB tolerance : 25 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Abx Micros | 739 | 97.6 | 1.6 | 0.8 | 248.1 | 8.5 | e |
| 2 | Microsemi | 365 | 99.4 | 0.3 | 0.3 | 252.1 | 5.9 | e |
| 3 | Sysmex KX21 | 397 | 99.2 | 0.5 | 0.3 | 253.0 | 4.9 | e |
| 4 | Sysmex PocH - 100i | 206 | 100.0 | 0.0 | 0.0 | 257.8 | 4.5 | e |
| 5 | Sysmex XP 300 | 260 | 100.0 | 0.0 | 0.0 | 265.4 | 5.1 | e |
| 6 | Mythic | 242 | 95.5 | 3.3 | 1.2 | 232.5 | 10.7 | e |
| 7 | Swelab | 68 | 97.0 | 1.5 | 1.5 | 223.6 | 8.8 | e |
| 8 | Abacus Junior | 12 | 100.0 | 0.0 | 0.0 | 279.9 | 8.1 | e |
| 9 | Medonic | 15 | 100.0 | 0.0 | 0.0 | 228.4 | 8.8 | e |
| 10 | Nihon Kohden Celltac | 35 | 97.1 | 0.0 | 2.9 | 266.1 | 5.5 | e |
| 11 | Samsung HC10 | 45 | 100.0 | 0.0 | 0.0 | 250.5 | 7.2 | e |
| 12 | Norma Icon 3 | 26 | 100.0 | 0.0 | 0.0 | 219.1 | 7.0 | e |

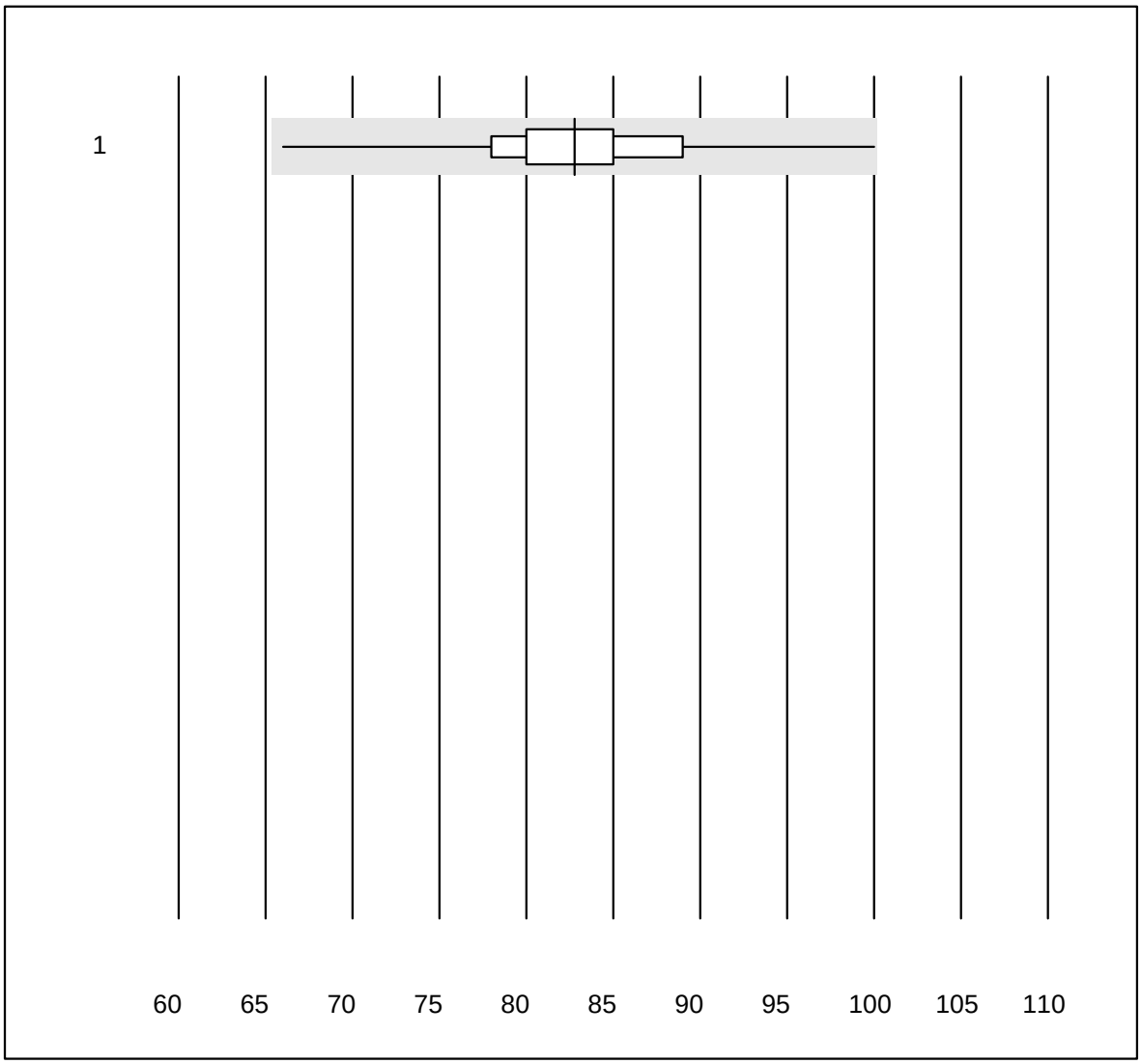
# CRP




QUALAB tolerance : 21 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Piccolo | 6 | 100.0 | 0.0 | 0.0 | 59.5 | 4.5 | e |
| 2 | Cobas | 13 | 100.0 | 0.0 | 0.0 | 47.2 | 10.0 | e* |
| 3 | Turbidimetry | 27 | 100.0 | 0.0 | 0.0 | 49.9 | 7.3 | e |
| 4 | Abx Micros | 95 | 96.8 | 1.1 | 2.1 | 48.4 | 9.2 | e |
| 5 | ABX Micros CRP200 | 287 | 96.5 | 2.8 | 0.7 | 46.0 | 9.2 | e |
| 6 | Afinion | 1249 | 99.3 | 0.6 | 0.1 | 50.9 | 7.4 | e |
| 7 | NycoCard SingleTest- | 347 | 82.7 | 4.9 | 12.4 | 52.7 | 10.7 | e |
| 8 | Quick Read go | 150 | 96.0 | 1.3 | 2.7 | 49.3 | 6.5 | e |
| 9 | Eurolyser | 128 | 78.9 | 3.9 | 17.2 | 64.2 | 9.2 | e |
| 10 | Fuji Dri-Chem | 27 | 92.6 | 3.7 | 3.7 | 49.3 | 11.0 | e |
| 11 | Autolyser/DiaSys | 9 | 88.9 | 0.0 | 11.1 | 43.0 | 10.2 | e* |

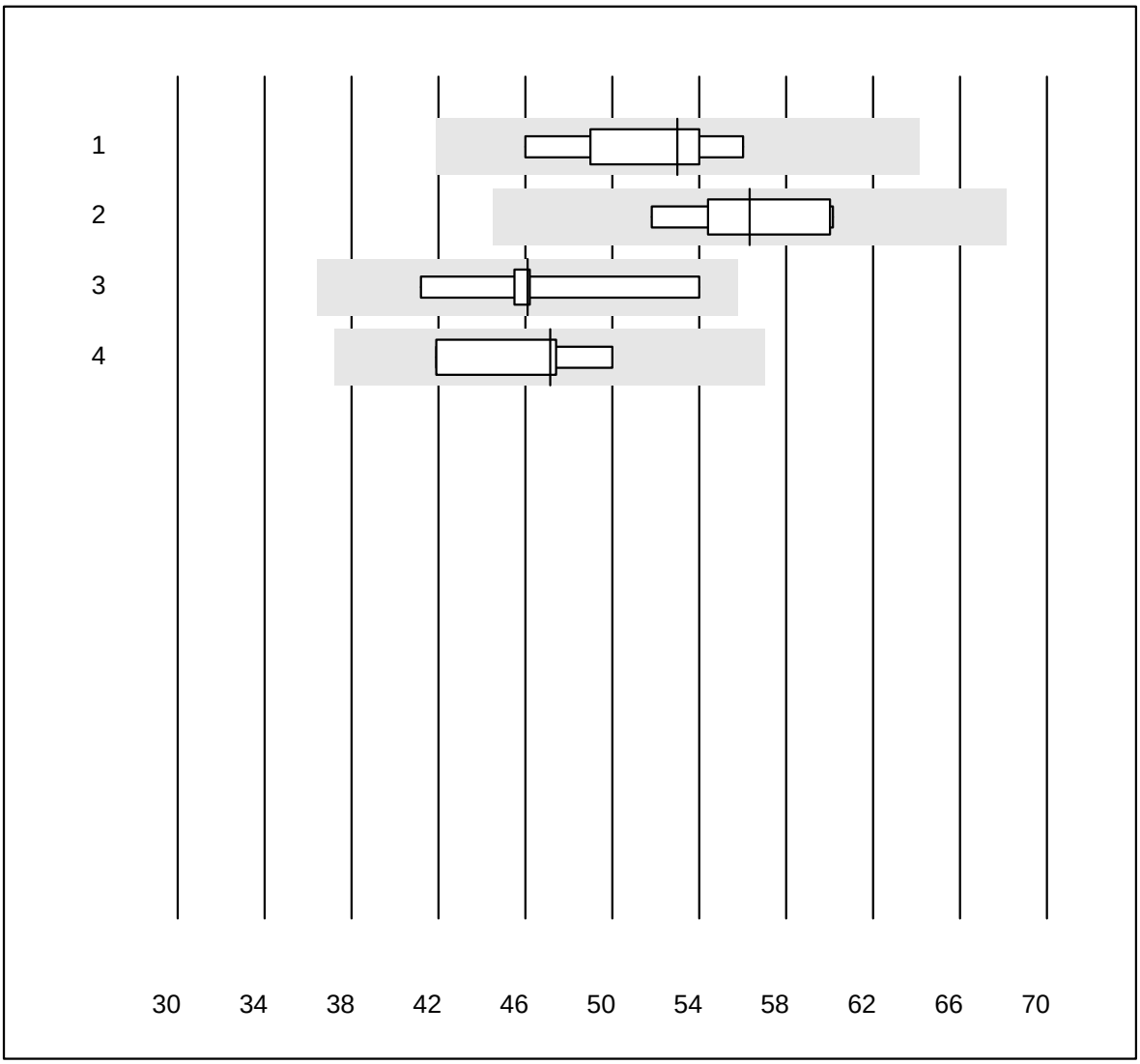
# CRP




QUALAB tolerance : 21 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | QuikRead (Vollblut) | 143 | 99.3 | 0.0 | 0.7 | 82.8 | 6.0 | e |

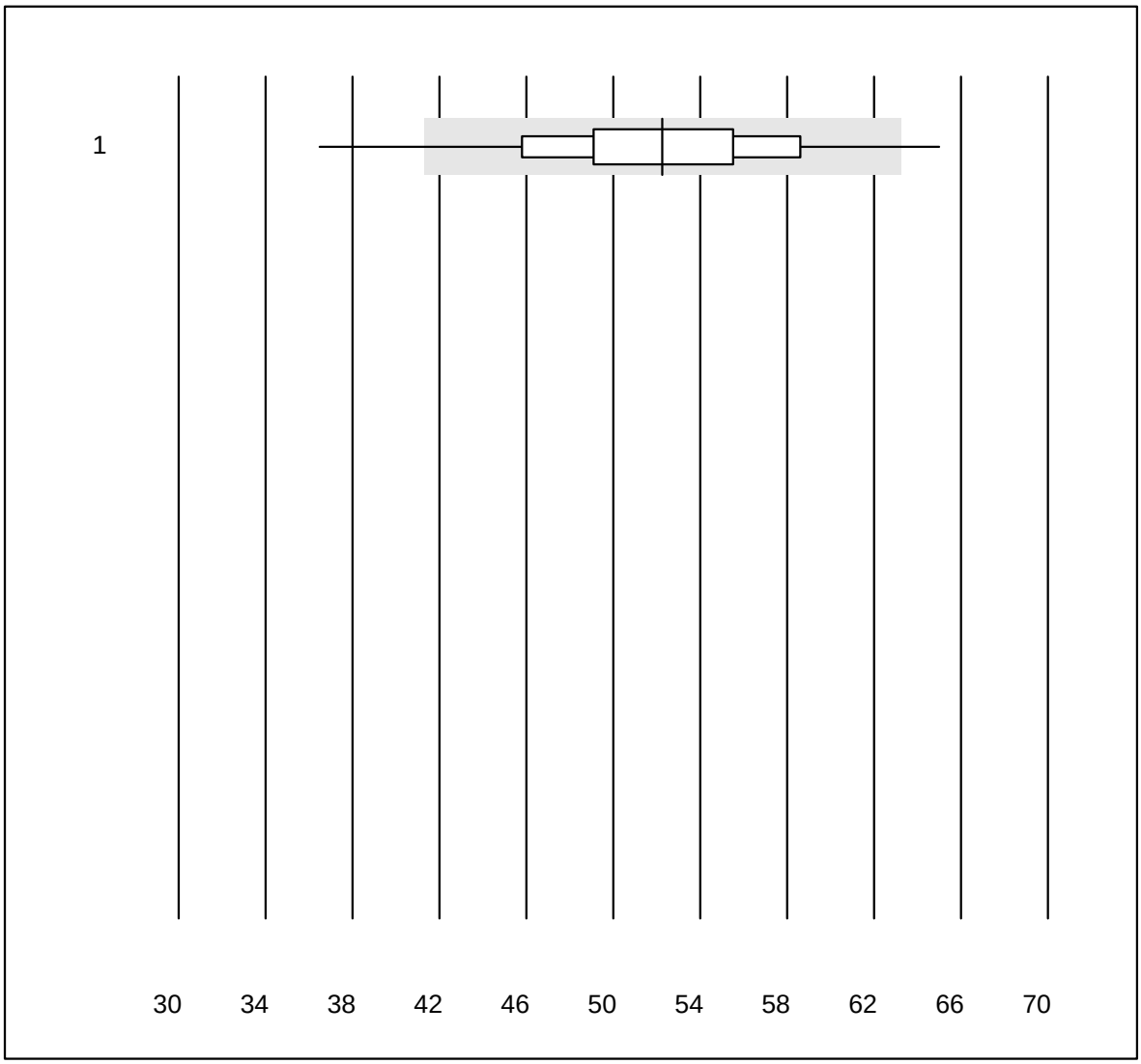
# CRP




QUALAB tolerance : 21 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | AQT 90 FLEX | 8 | 100.0 | 0.0 | 0.0 | 53.0 | 6.4 | e |
| 2 | Spotchem D-Concept | 6 | 100.0 | 0.0 | 0.0 | 56.3 | 5.8 | e |
| 3 | Spotchem SI-3510 | 5 | 100.0 | 0.0 | 0.0 | 46.1 | 9.9 | e* |
| 4 | Other methods | 5 | 80.0 | 0.0 | 20.0 | 47.1 | 7.3 | e* |

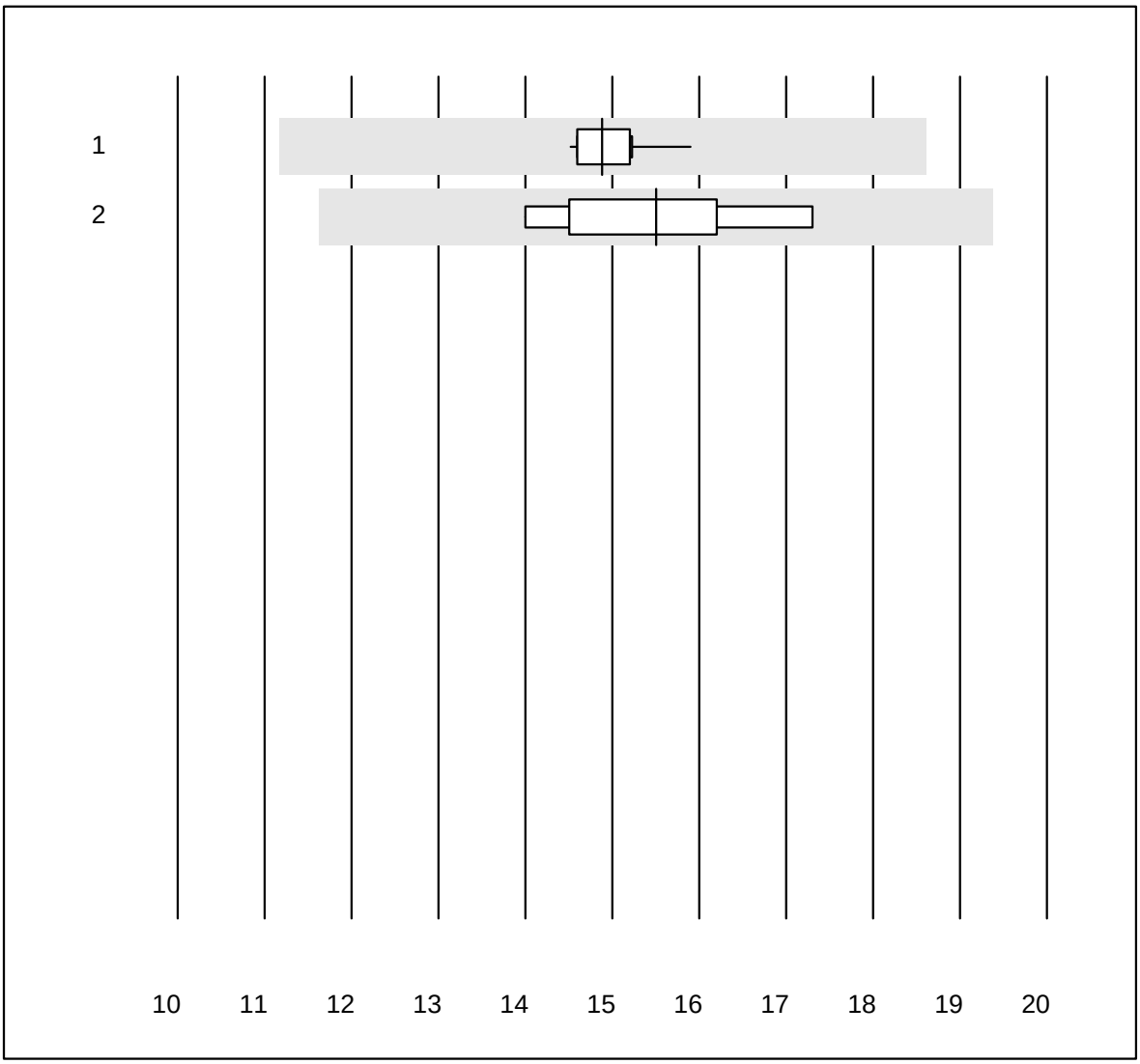
# CRP




QUALAB tolerance : 21 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Microsemi | 362 | 95.0 | 3.6 | 1.4 | 52.3 | 9.8 | e |

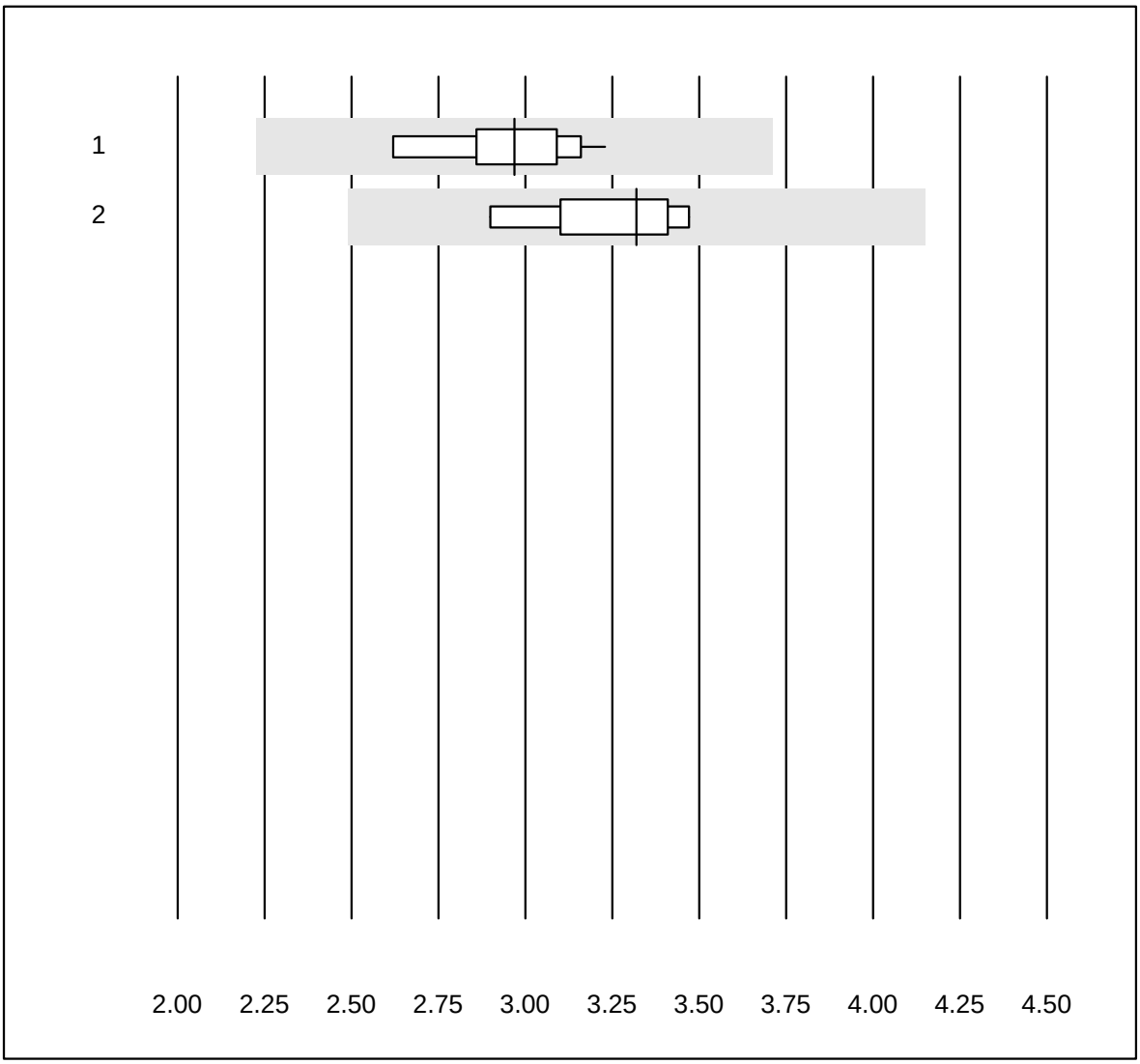
# IgG




QUALAB tolerance : 25 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Turbidimetry | 11 | 100.0 | 0.0 | 0.0 | 14.9 | 2.8 | e |
| 2 | Nephelometry | 7 | 100.0 | 0.0 | 0.0 | 15.5 | 7.4 | e |

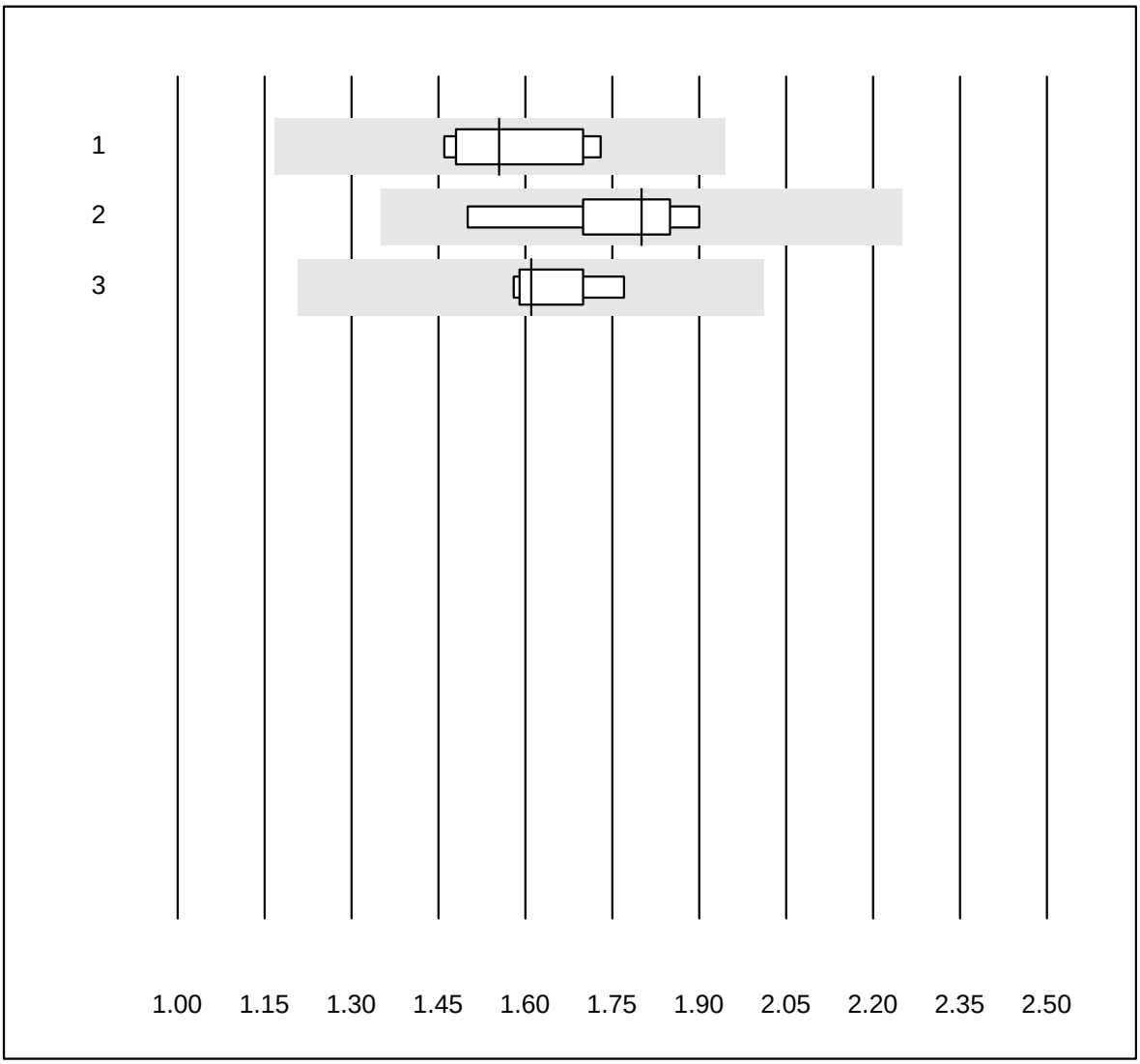
# IgA




QUALAB tolerance : 25 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Turbidimetry | 10 | 100.0 | 0.0 | 0.0 | 3.0 | 5.9 | e |
| 2 | Nephelometry | 7 | 100.0 | 0.0 | 0.0 | 3.3 | 6.0 | e |

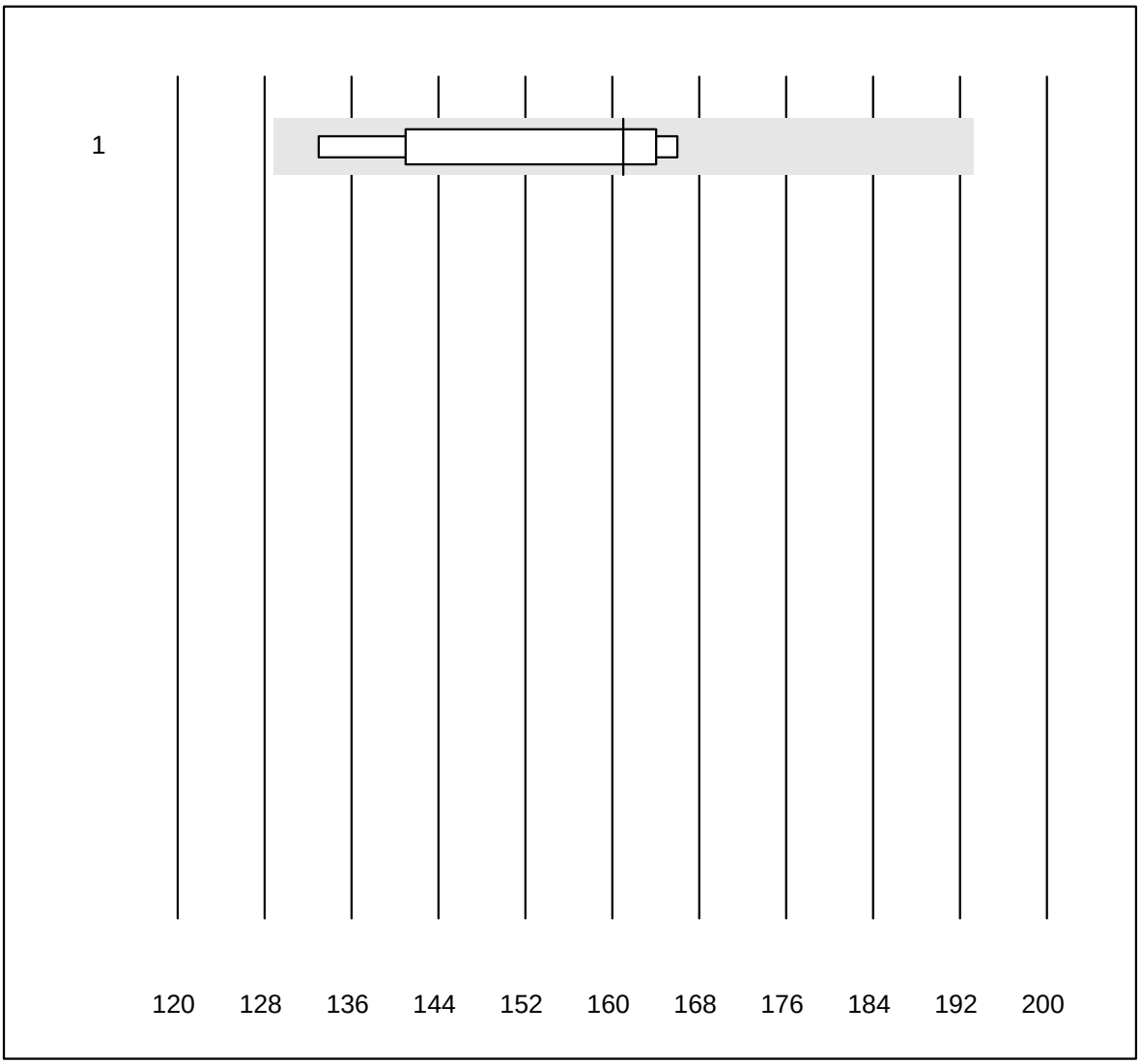
# IgM




QUALAB tolerance : 25 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Turbidimetry | 6 | 100.0 | 0.0 | 0.0 | 1.6 | 7.3 | e |
| 2 | Nephelometry | 7 | 100.0 | 0.0 | 0.0 | 1.8 | 7.5 | e |
| 3 | Cobas Integra 800/40 | 5 | 100.0 | 0.0 | 0.0 | 1.6 | 5.0 | e |

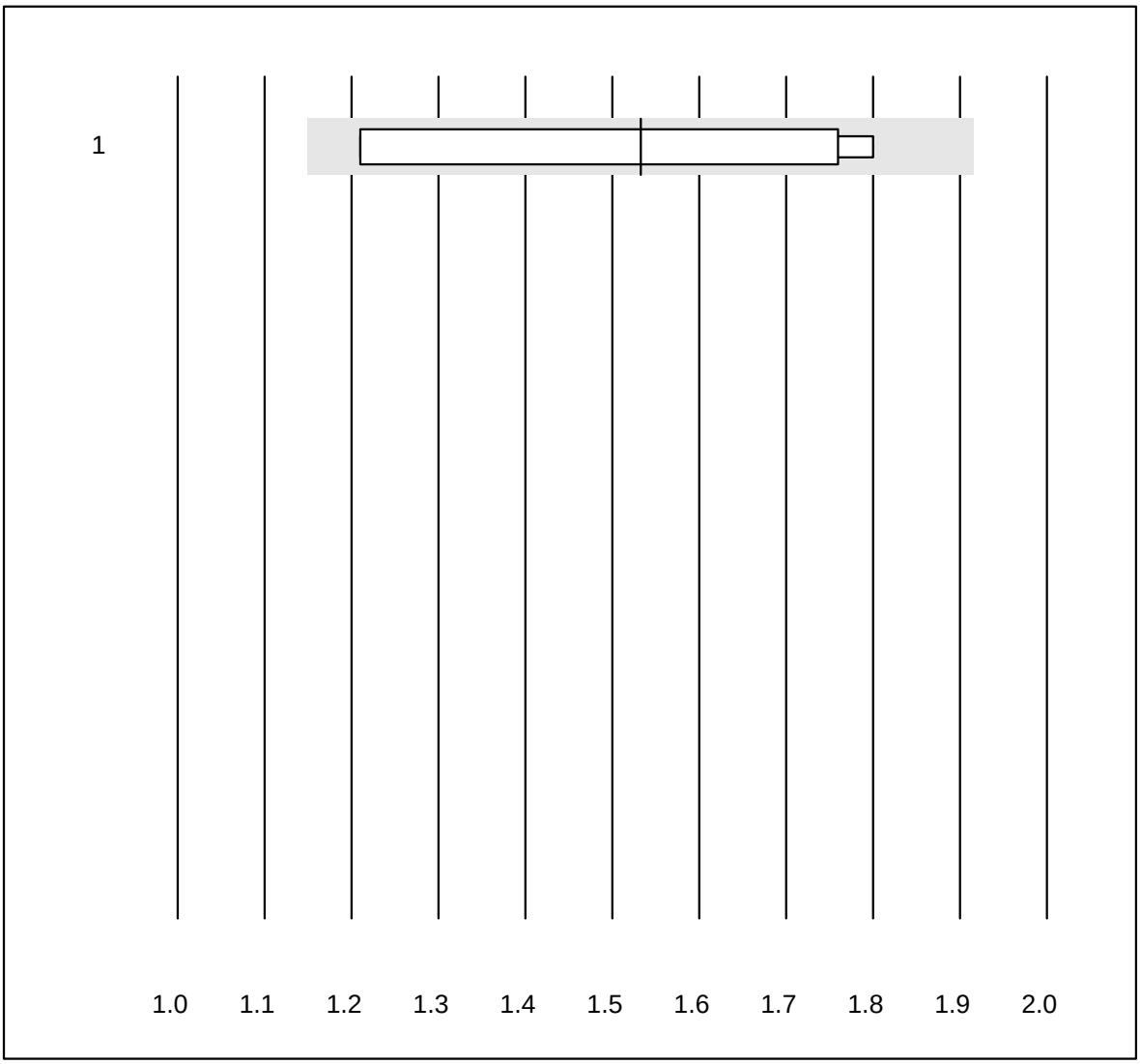
# IgE




QUALAB tolerance : 20 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | all Participants | 9 | 77.8 | 0.0 | 22.2 | 161 | 8.2 | e* |

# Alpha-1-Antitrypsin

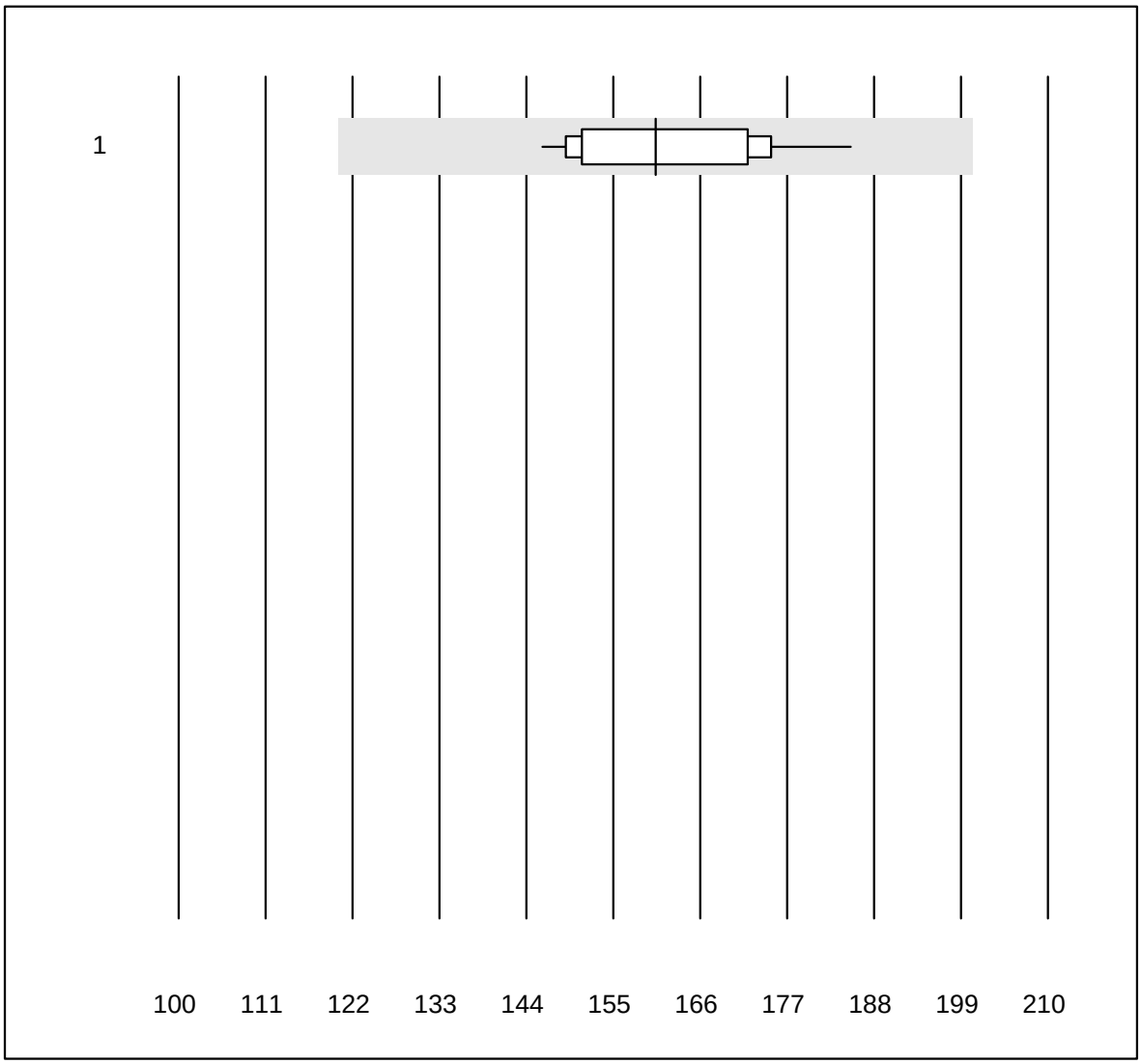



QUALAB tolerance : 25 %

Alpha-1-Antitrypsin (g/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Nephelometry | 4 | 100.0 | 0.0 | 0.0 | 1.53 | 19.1 | a |

# Anti-Streptolysin-Antibodies

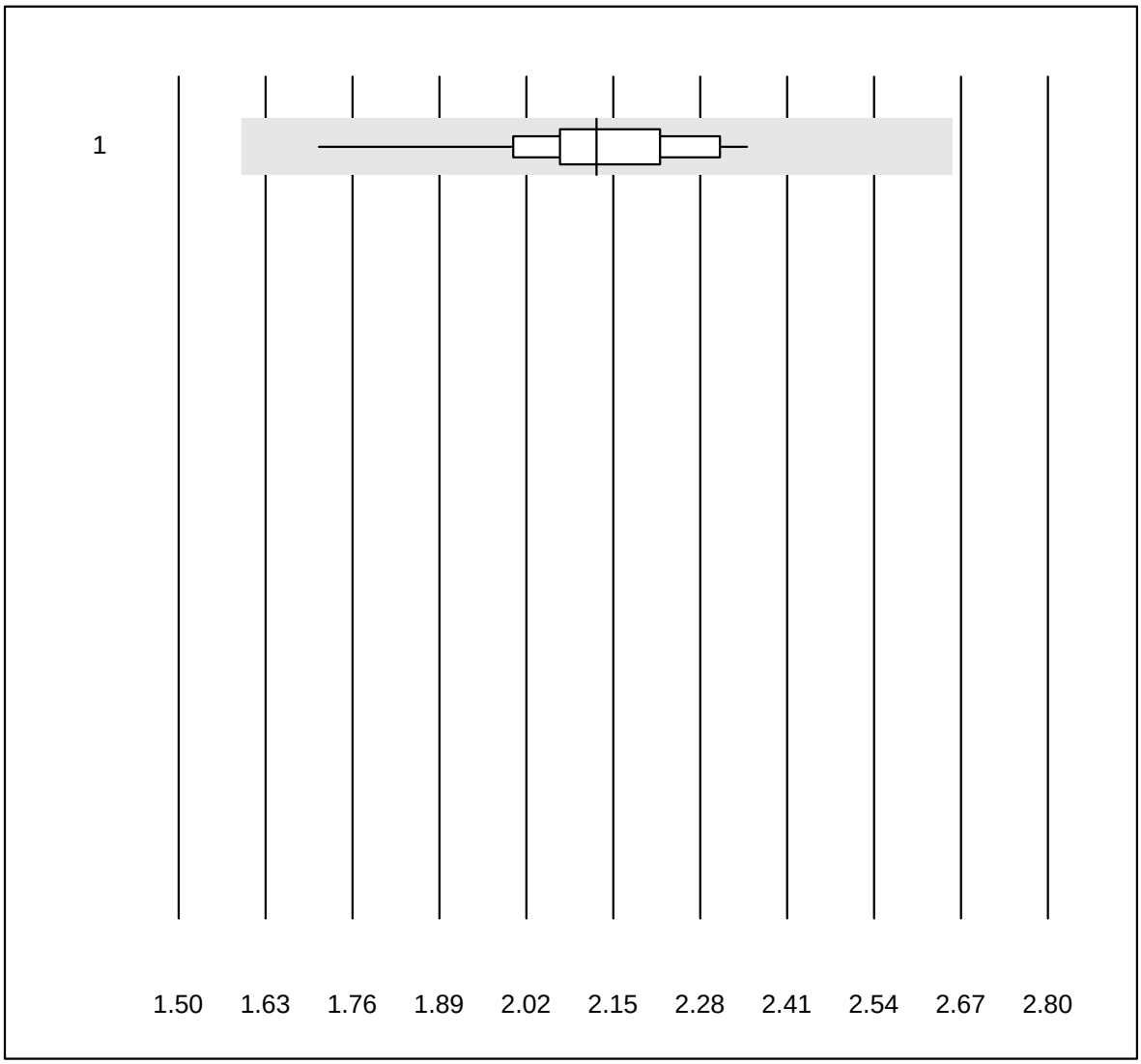



QUALAB tolerance : 25 %

Anti-Streptolysin-Antibodies (kIU/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | all Participants | 11 | 100.0 | 0.0 | 0.0 | 160 | 7.7 | e |

# Complement C3

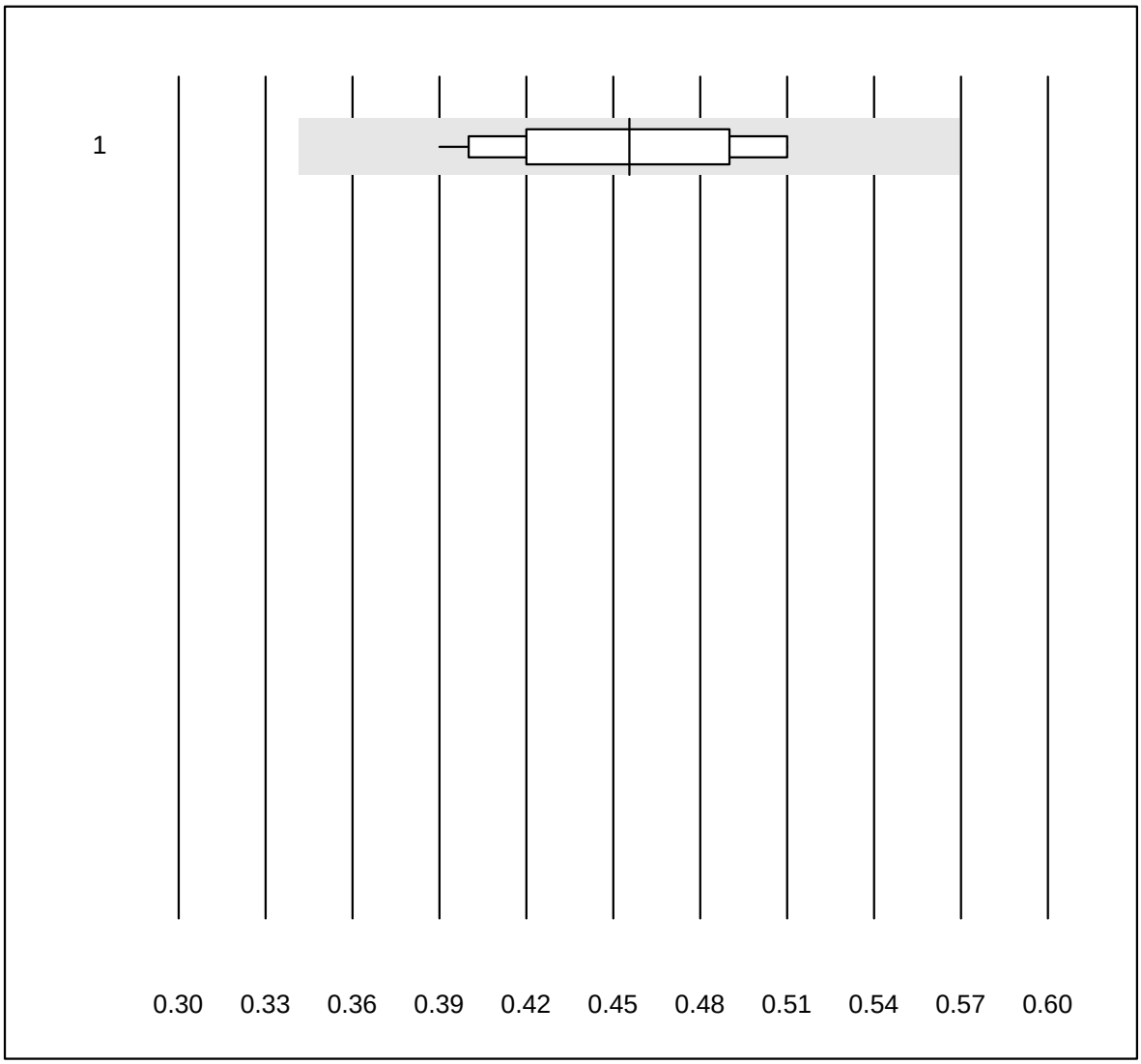



QUALAB tolerance : 25 %

Complement C3 (g/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | all Participants | 13 | 100.0 | 0.0 | 0.0 | 2.13 | 7.7 | e |

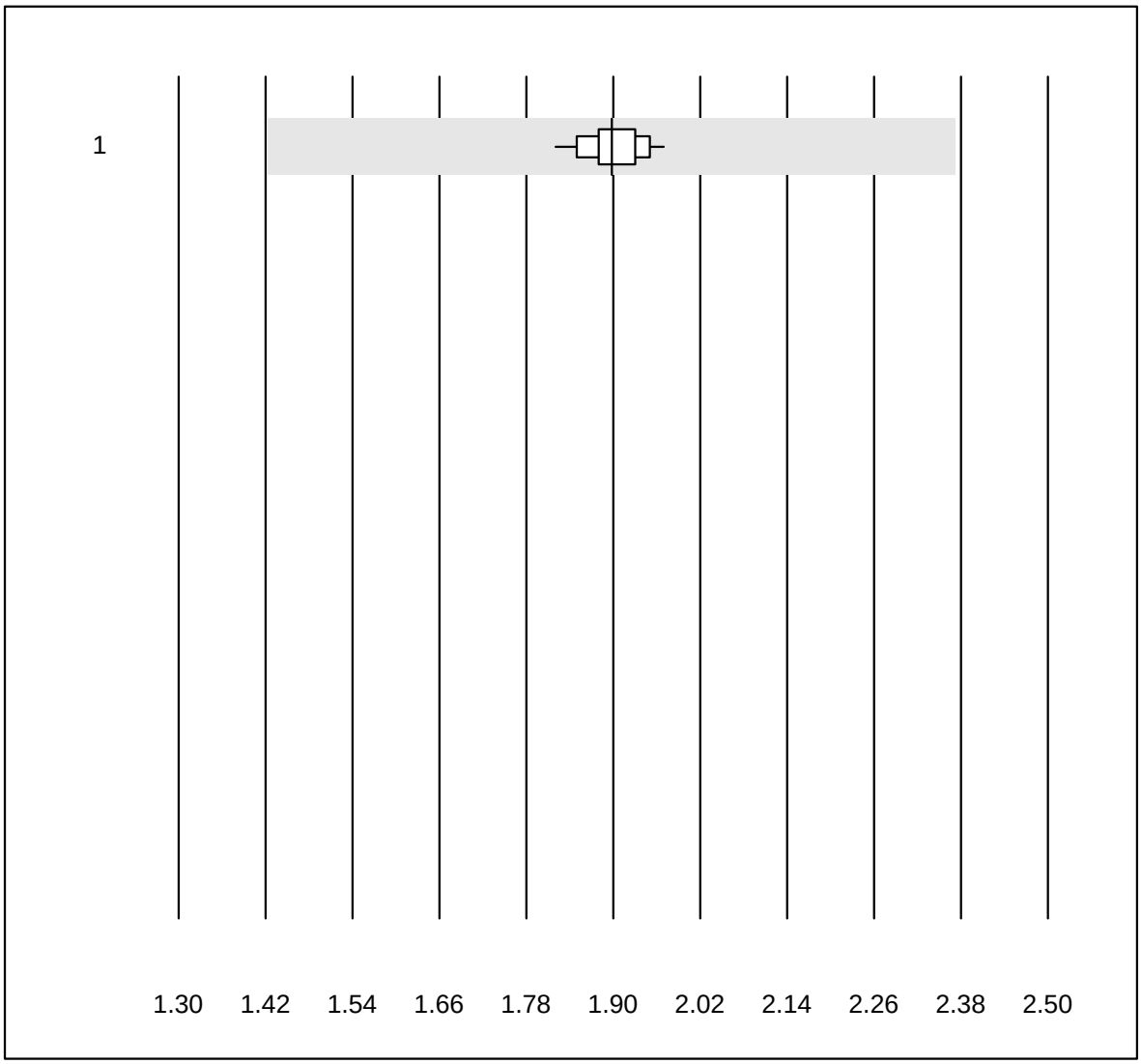
# Complement C4




QUALAB tolerance : 25 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | all Participants | 12 | 100.0 | 0.0 | 0.0 | 0.46 | 9.5 | e |

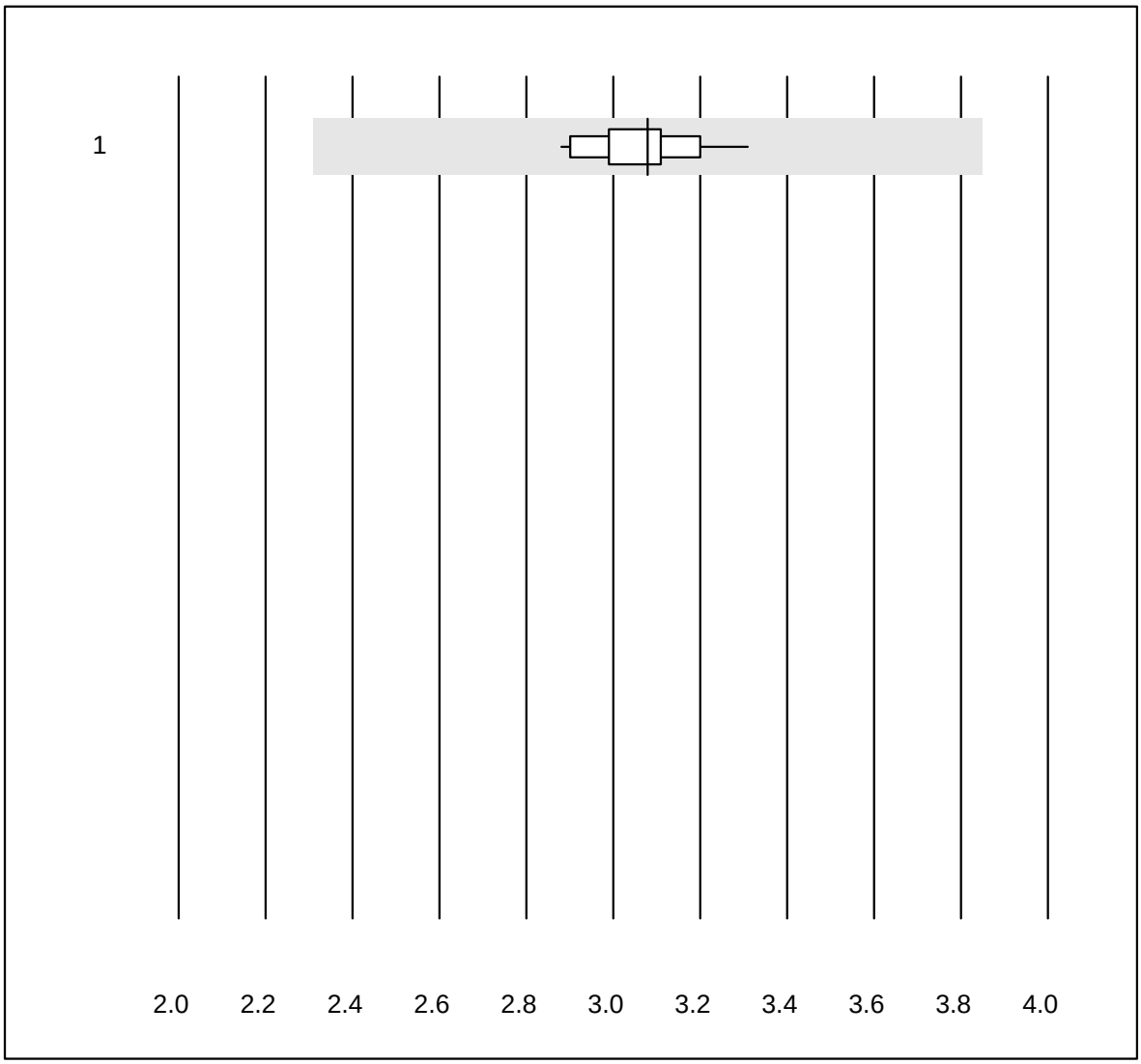
# Haptoglobin




QUALAB tolerance : 25 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | all Participants | 13 | 100.0 | 0.0 | 0.0 | 1.90 | 2.2 | e |

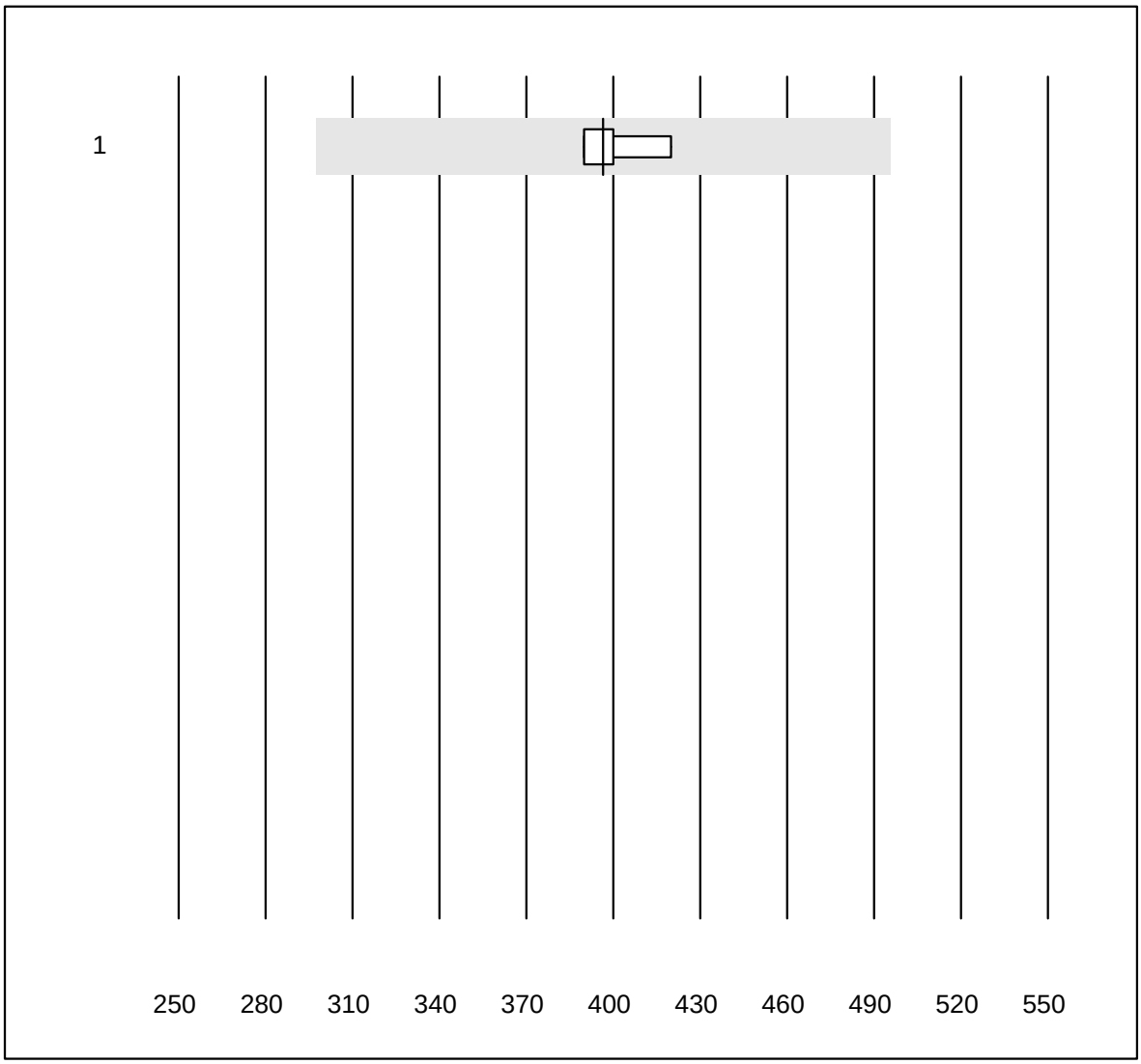
# Transferrin




QUALAB tolerance : 25 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | all Participants | 16 | 100.0 | 0.0 | 0.0 | 3.08 | 3.9 | e |

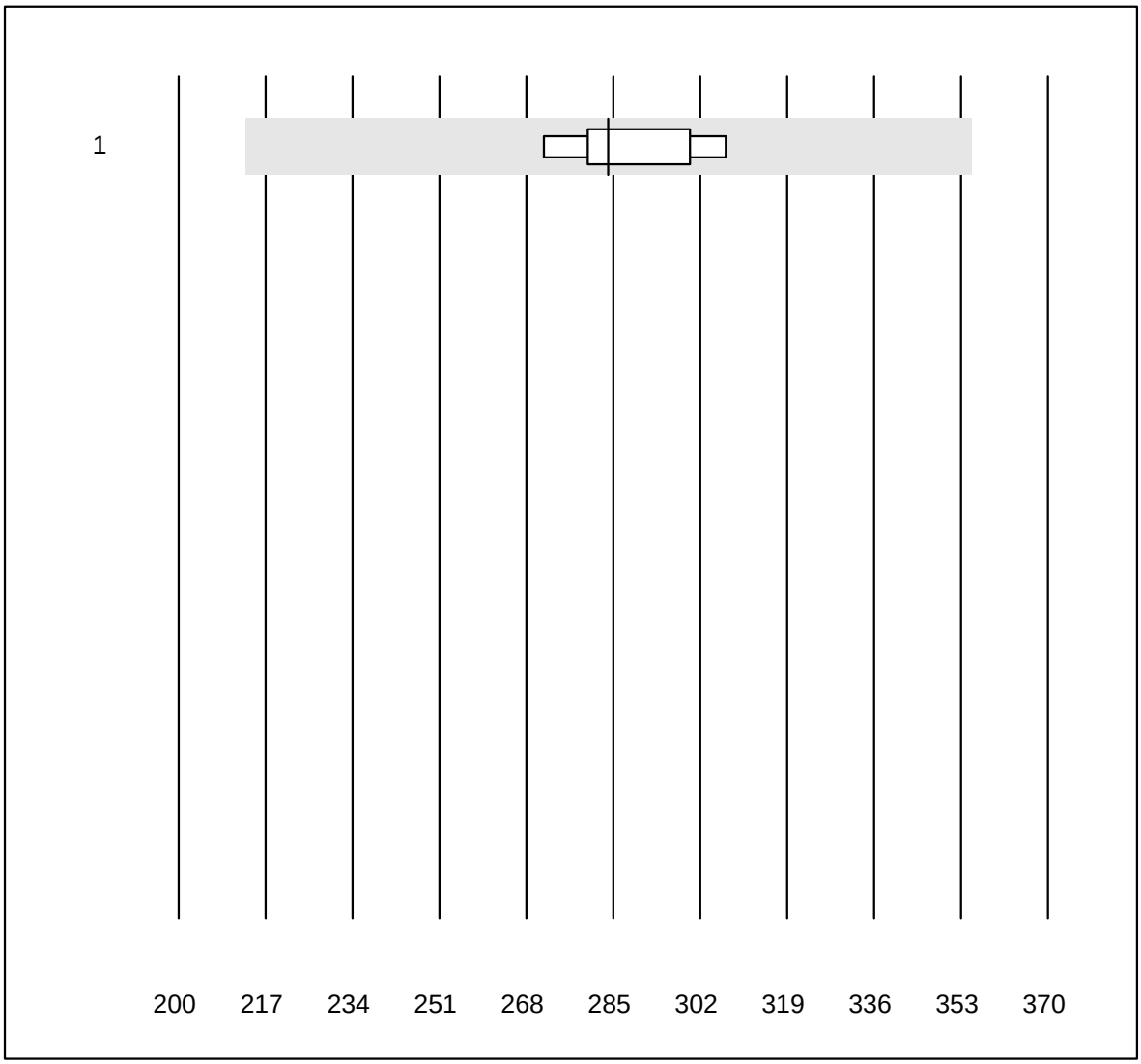
# Ceruloplasmin




QUALAB tolerance : 25 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | all Participants | 4 | 100.0 | 0.0 | 0.0 | 396.5 | 3.4 | e |

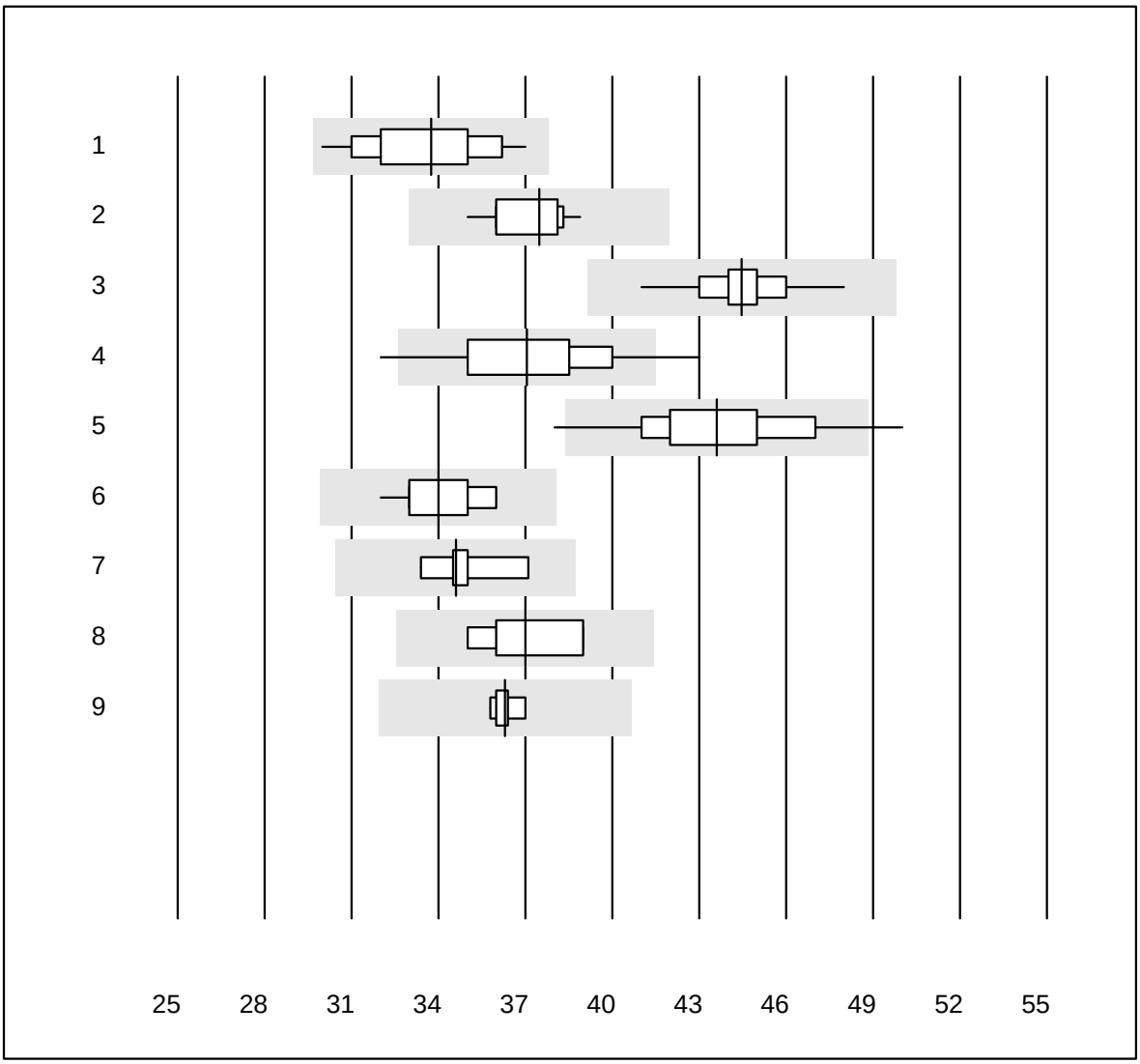
# Präalbumin




QUALAB tolerance : 25 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | all Participants | 7 | 100.0 | 0.0 | 0.0 | 284.0 | 4.3 | e |

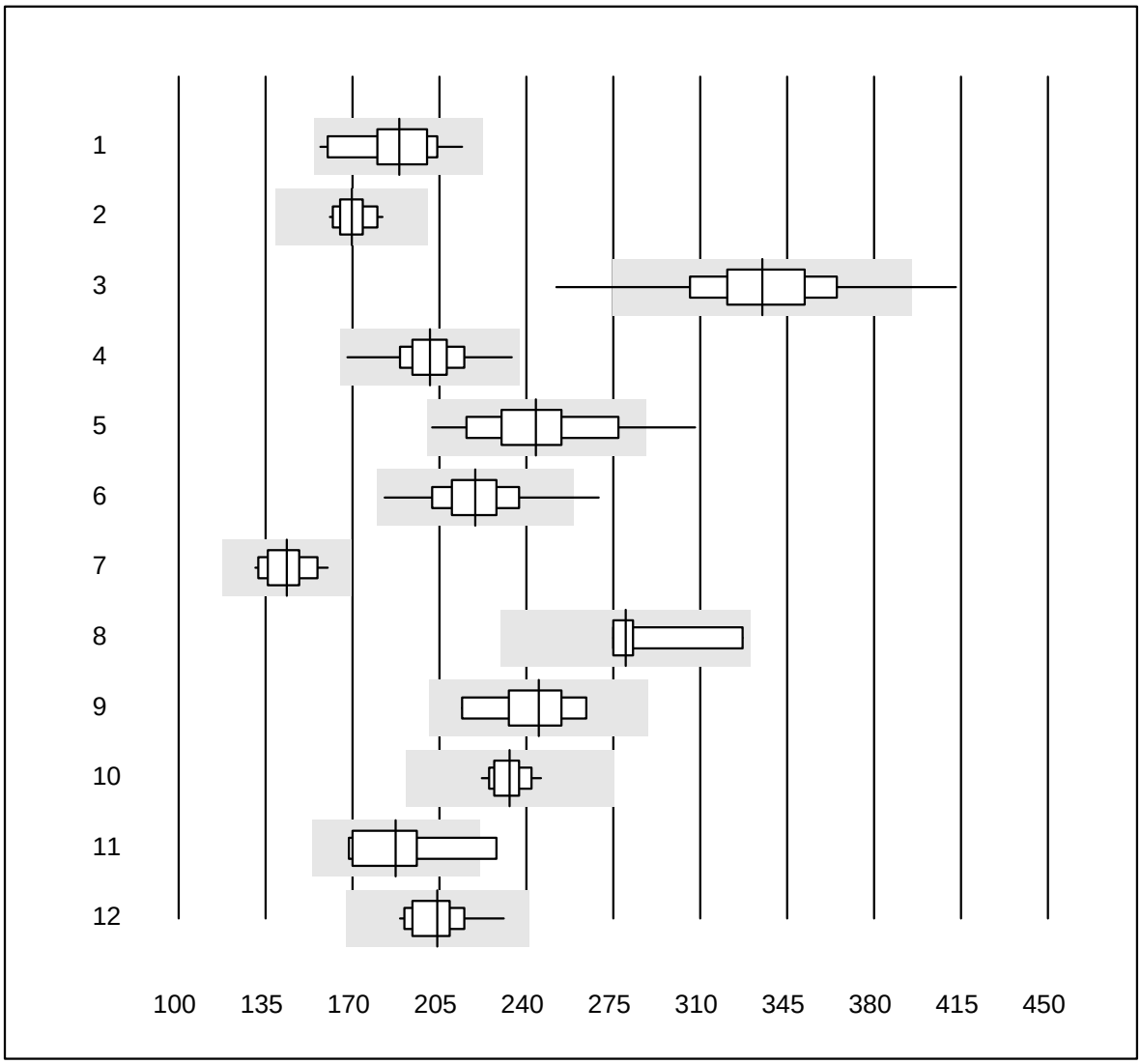
# Albumine




QUALAB tolerance : 12 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Standard chemistry | 23 | 95.7 | 0.0 | 4.3 | 34 | 5.9 | e |
| 2 | Cobas | 12 | 100.0 | 0.0 | 0.0 | 37 | 3.1 | e |
| 3 | Fuji Dri-Chem | 193 | 100.0 | 0.0 | 0.0 | 44 | 3.1 | e |
| 4 | Spotchem/Ready | 43 | 88.4 | 9.3 | 2.3 | 37 | 6.2 | e |
| 5 | Spotchem D-Concept | 83 | 96.4 | 3.6 | 0.0 | 44 | 5.5 | e |
| 6 | Piccolo | 31 | 100.0 | 0.0 | 0.0 | 34 | 3.7 | e |
| 7 | Abx Mira | 5 | 100.0 | 0.0 | 0.0 | 35 | 3.9 | e* |
| 8 | Hitachi S40/M40 | 9 | 100.0 | 0.0 | 0.0 | 37 | 4.1 | e |
| 9 | Autolyser/DiaSys | 5 | 100.0 | 0.0 | 0.0 | 36 | 1.3 | e |

# Alkaline phosphatase

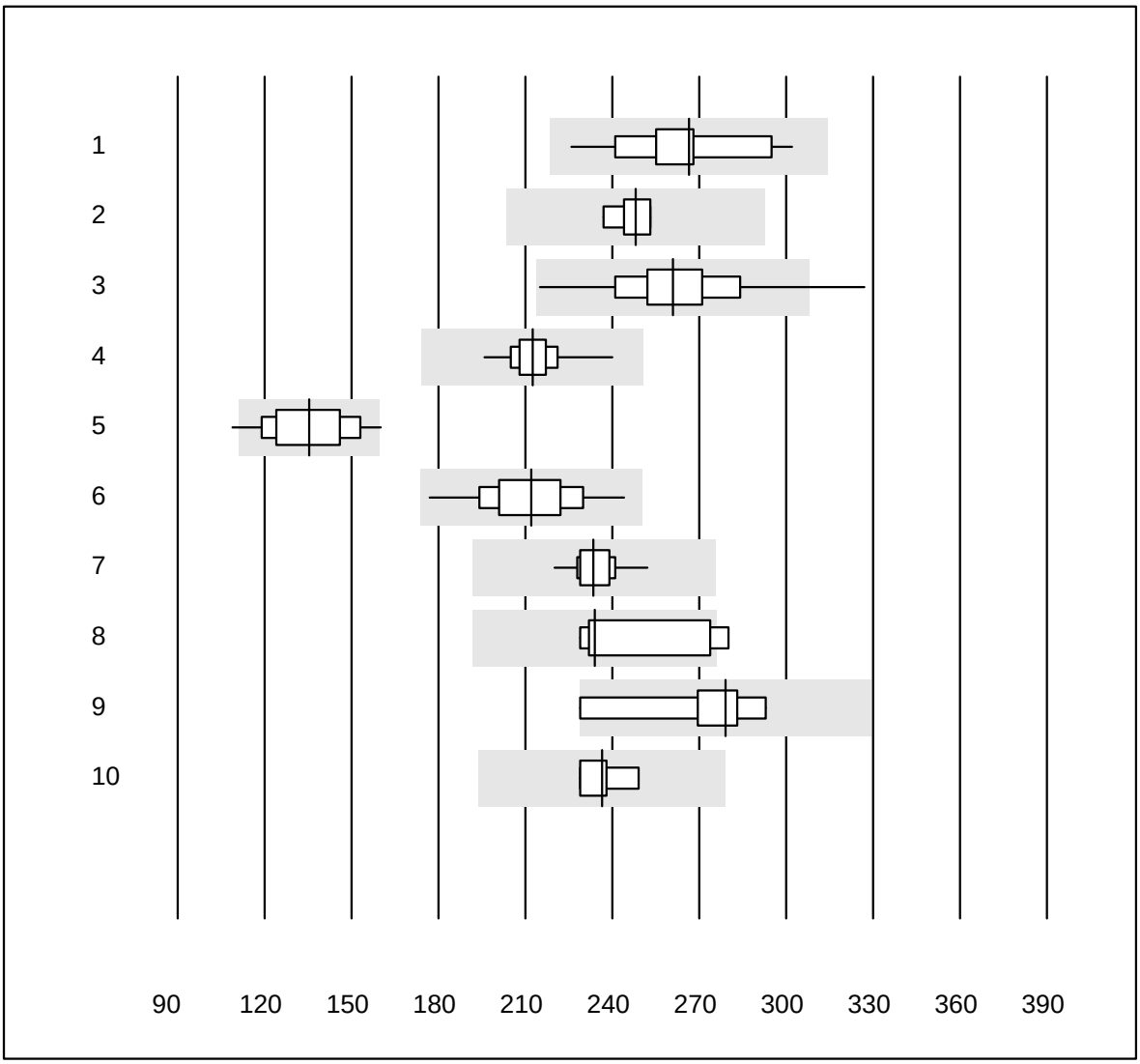



QUALAB tolerance : 18 %

Alkaline phosphatase (U/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | IFCC | 11 | 100.0 | 0.0 | 0.0 | 189 | 9.4 | e* |
| 2 | Cobas | 17 | 100.0 | 0.0 | 0.0 | 170 | 3.7 | e |
| 3 | Reflotron | 632 | 95.9 | 2.4 | 1.7 | 335 | 7.3 | e |
| 4 | Fuji Dri-Chem | 704 | 99.3 | 0.0 | 0.7 | 201 | 5.1 | e |
| 5 | Spotchem/Ready | 109 | 90.9 | 7.3 | 1.8 | 244 | 9.0 | e |
| 6 | Spotchem D-Concept | 151 | 98.0 | 0.7 | 1.3 | 219 | 6.5 | e |
| 7 | Hitachi S40/M40 | 16 | 100.0 | 0.0 | 0.0 | 143 | 5.8 | e |
| 8 | DGKC 37'C | 4 | 100.0 | 0.0 | 0.0 | 280 | 8.5 | e* |
| 9 | Beckman | 9 | 100.0 | 0.0 | 0.0 | 245 | 6.7 | e* |
| 10 | Piccolo | 29 | 100.0 | 0.0 | 0.0 | 233 | 2.7 | e |
| 11 | Abx Mira | 8 | 87.5 | 12.5 | 0.0 | 187 | 10.6 | e* |
| 12 | Autolyser/DiaSys | 14 | 100.0 | 0.0 | 0.0 | 204 | 5.5 | e |

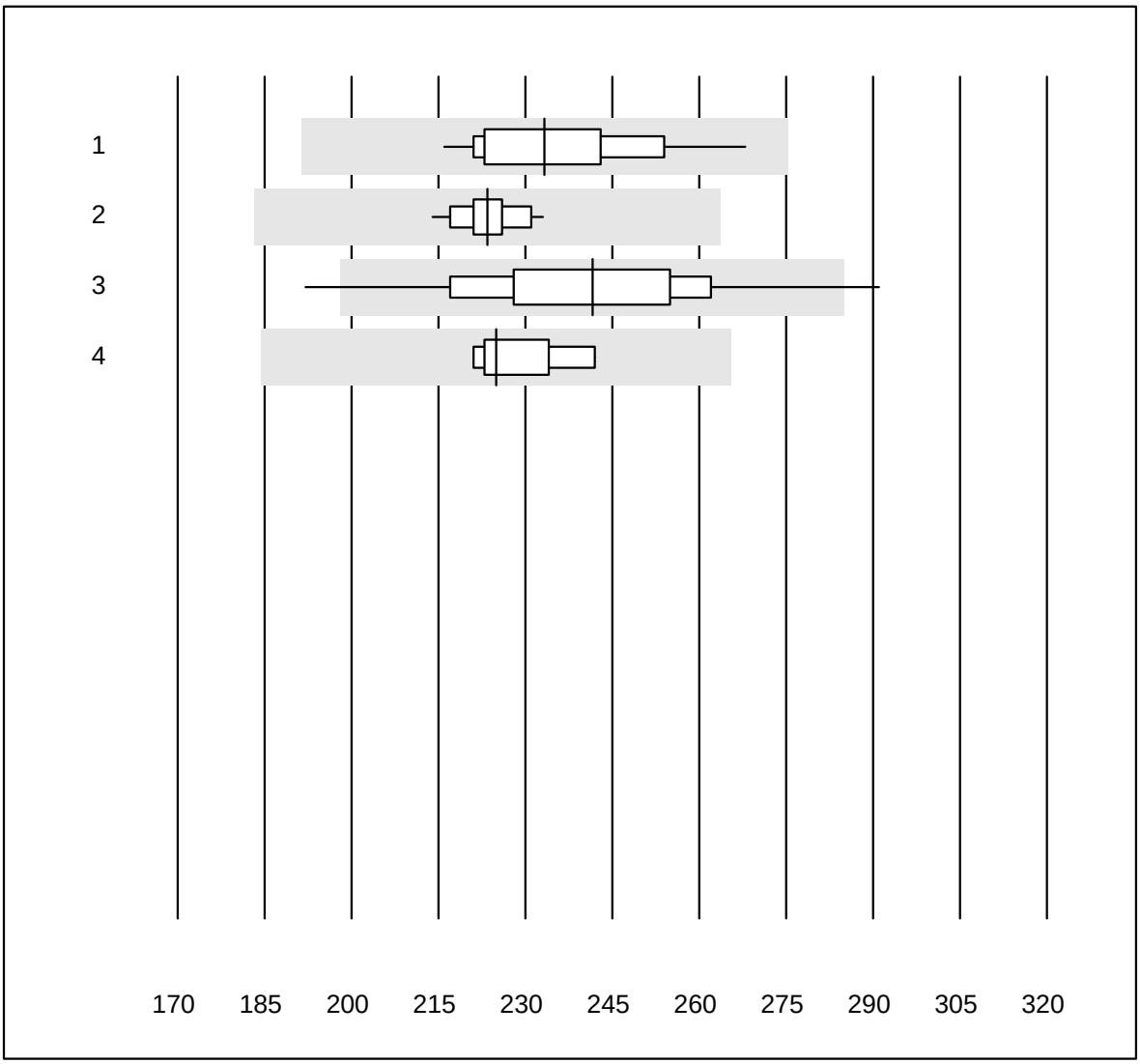
# Amylase




QUALAB tolerance : 18 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | IFCC | 12 | 100.0 | 0.0 | 0.0 | 267 | 8.2 | e* |
| 2 | Cobas | 5 | 100.0 | 0.0 | 0.0 | 248 | 2.7 | e |
| 3 | Reflotron | 179 | 98.3 | 1.1 | 0.6 | 261 | 6.5 | e |
| 4 | Fuji Dri-Chem | 522 | 99.2 | 0.0 | 0.8 | 213 | 3.0 | e |
| 5 | Spotchem/Ready | 73 | 84.9 | 4.1 | 11.0 | 135 | 9.7 | e |
| 6 | Spotchem D-Concept | 115 | 99.1 | 0.0 | 0.9 | 212 | 6.4 | e |
| 7 | Piccolo | 27 | 100.0 | 0.0 | 0.0 | 234 | 2.9 | e |
| 8 | Abx Mira | 5 | 80.0 | 20.0 | 0.0 | 234 | 10.0 | e* |
| 9 | Hitachi S40/M40 | 9 | 88.9 | 0.0 | 11.1 | 279 | 7.4 | e* |
| 10 | Autolyser/DiaSys | 4 | 100.0 | 0.0 | 0.0 | 237 | 3.5 | e |

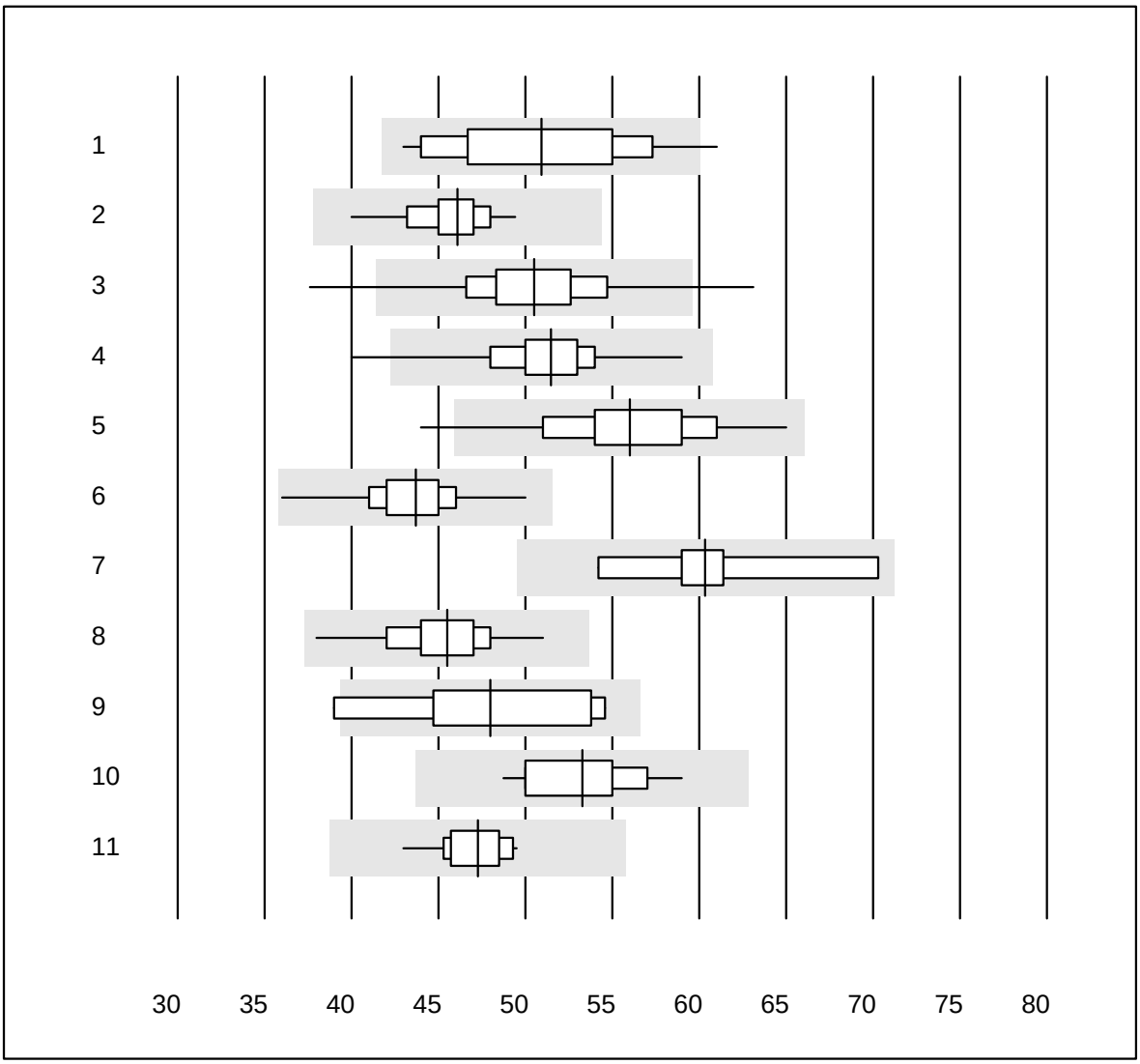
# Pancreatic amylase




QUALAB tolerance : 18 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | IFCC | 11 | 100.0 | 0.0 | 0.0 | 233 | 6.8 | e |
| 2 | Cobas | 13 | 100.0 | 0.0 | 0.0 | 223 | 2.3 | e |
| 3 | Reflotron | 425 | 97.9 | 1.4 | 0.7 | 242 | 7.5 | e |
| 4 | Autolyser/DiaSys | 9 | 100.0 | 0.0 | 0.0 | 225 | 3.3 | e |

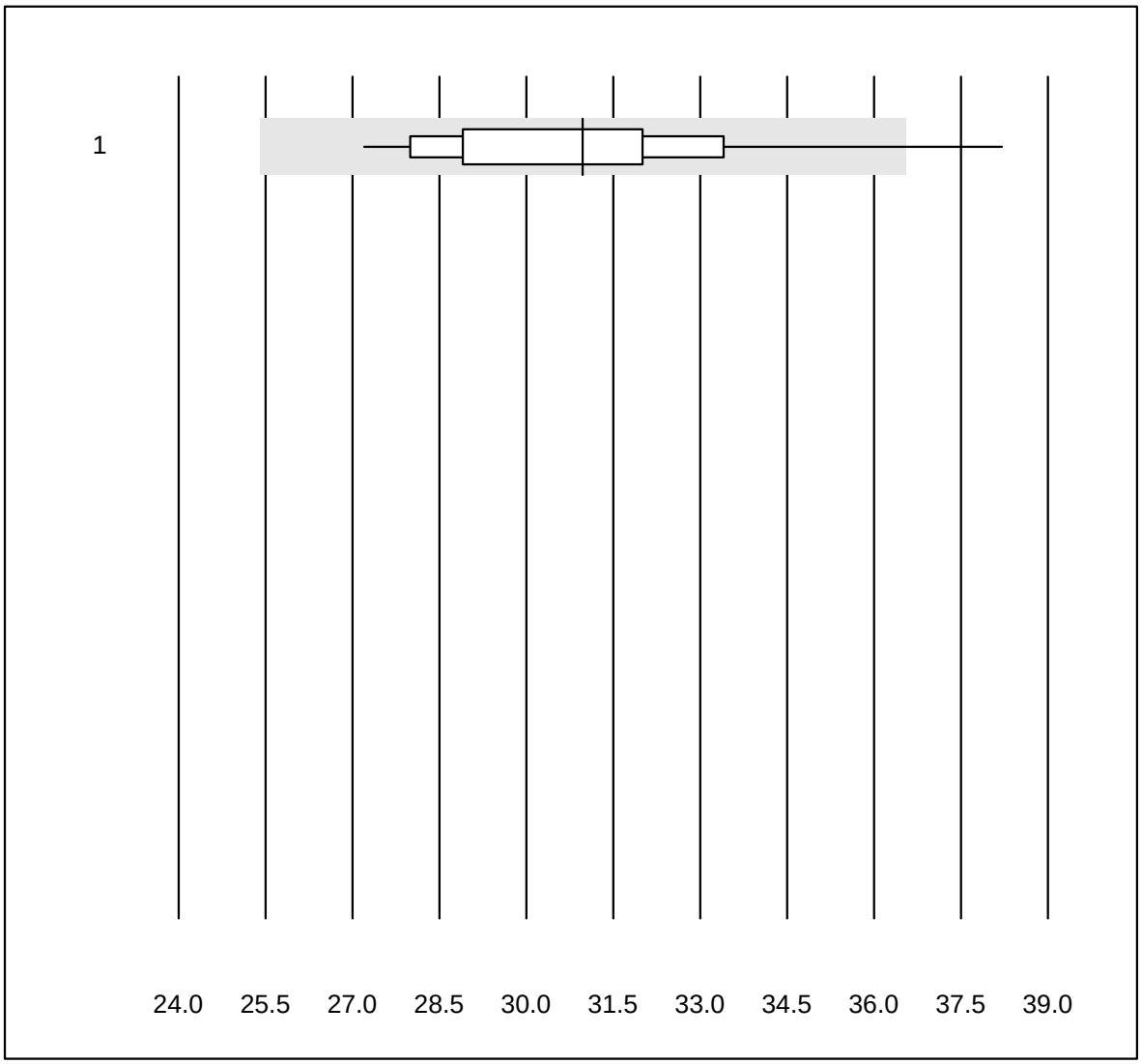
# Bilirubin




QUALAB tolerance : 18 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Standard chemistry | 16 | 93.7 | 6.3 | 0.0 | 50.9 | 10.5 | e* |
| 2 | Cobas | 15 | 100.0 | 0.0 | 0.0 | 46.1 | 4.8 | e |
| 3 | Reflotron | 466 | 95.7 | 2.4 | 1.9 | 50.5 | 6.9 | e |
| 4 | Fuji Dri-Chem | 534 | 98.8 | 0.6 | 0.6 | 51.5 | 4.7 | e |
| 5 | Spotchem/Ready | 90 | 97.8 | 2.2 | 0.0 | 56.0 | 7.4 | e |
| 6 | Spotchem D-Concept | 117 | 98.3 | 0.0 | 1.7 | 43.7 | 4.9 | e |
| 7 | Beckman | 8 | 100.0 | 0.0 | 0.0 | 60.4 | 7.4 | e* |
| 8 | Piccolo | 31 | 96.8 | 0.0 | 3.2 | 45.5 | 5.8 | e |
| 9 | Abx Mira | 7 | 85.7 | 14.3 | 0.0 | 48.0 | 11.2 | e* |
| 10 | Hitachi S40/M40 | 14 | 100.0 | 0.0 | 0.0 | 53.3 | 5.9 | e |
| 11 | Autolyser/DiaSys | 14 | 92.9 | 0.0 | 7.1 | 47.3 | 4.1 | e |

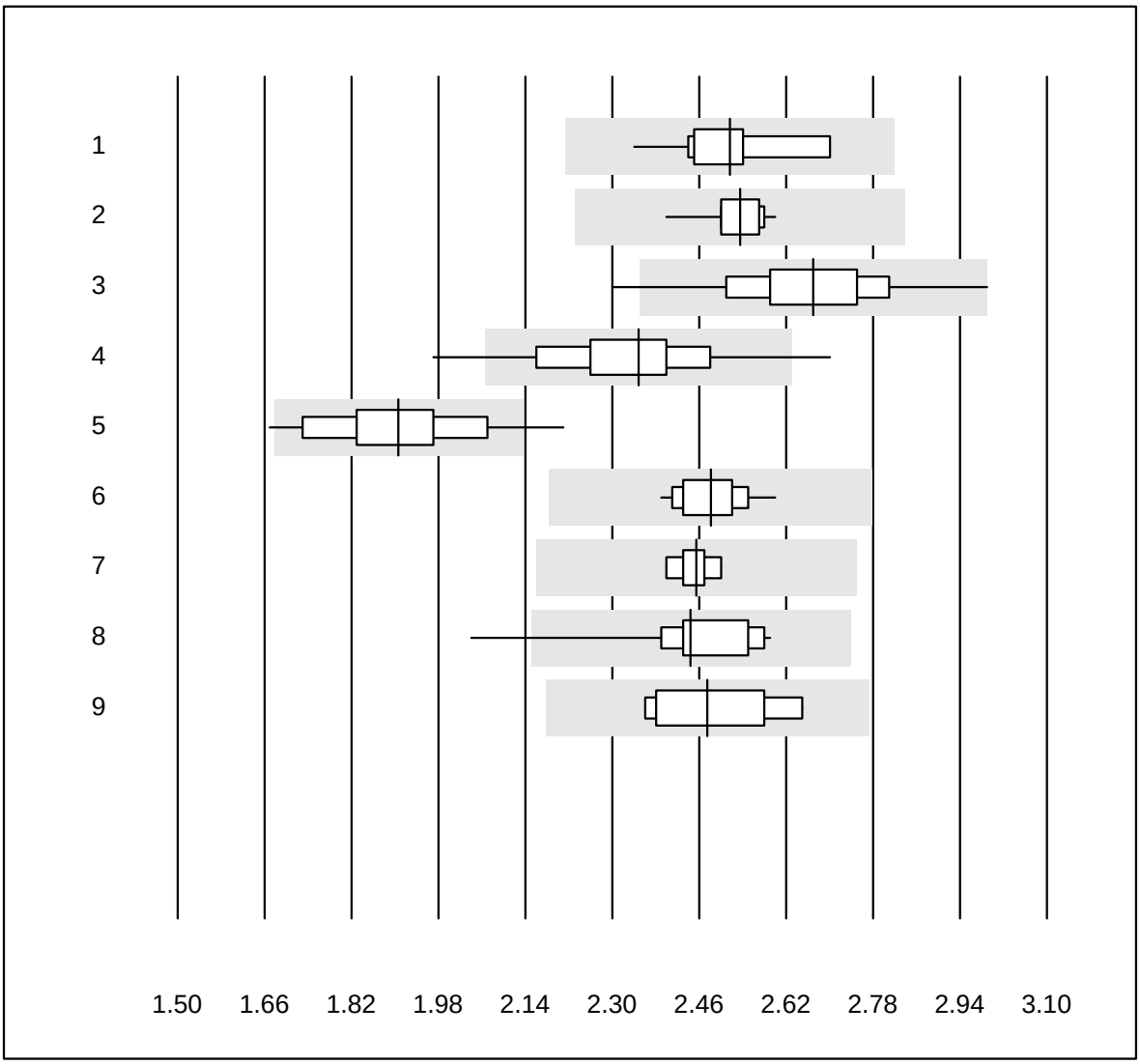
# Bilirubin direct




QUALAB tolerance : 18 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Fuji Dri-Chem | 34 | 91.2 | 2.9 | 5.9 | 31.0 | 8.0 | e |

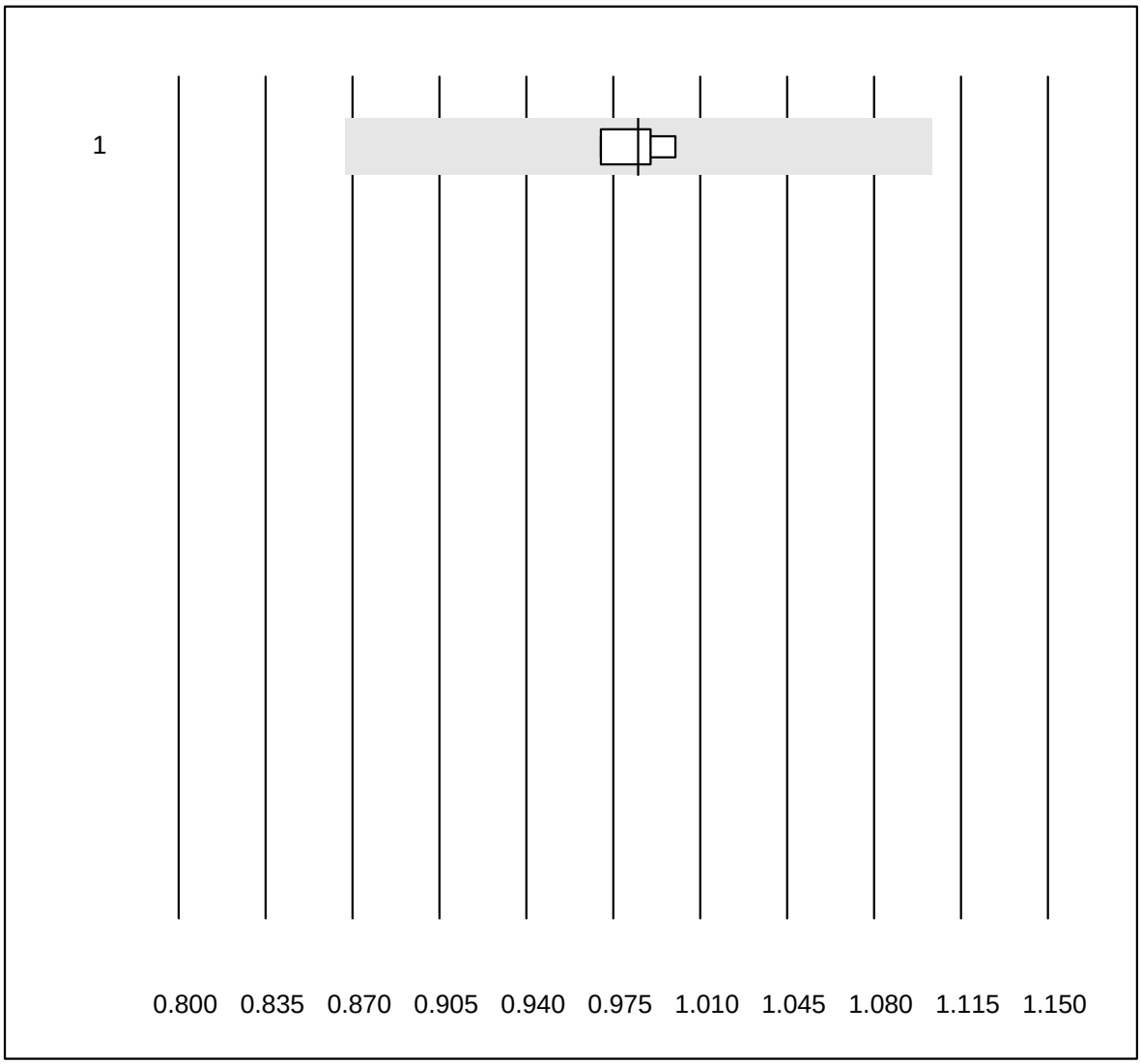
# Calcium




QUALAB tolerance : 12 %

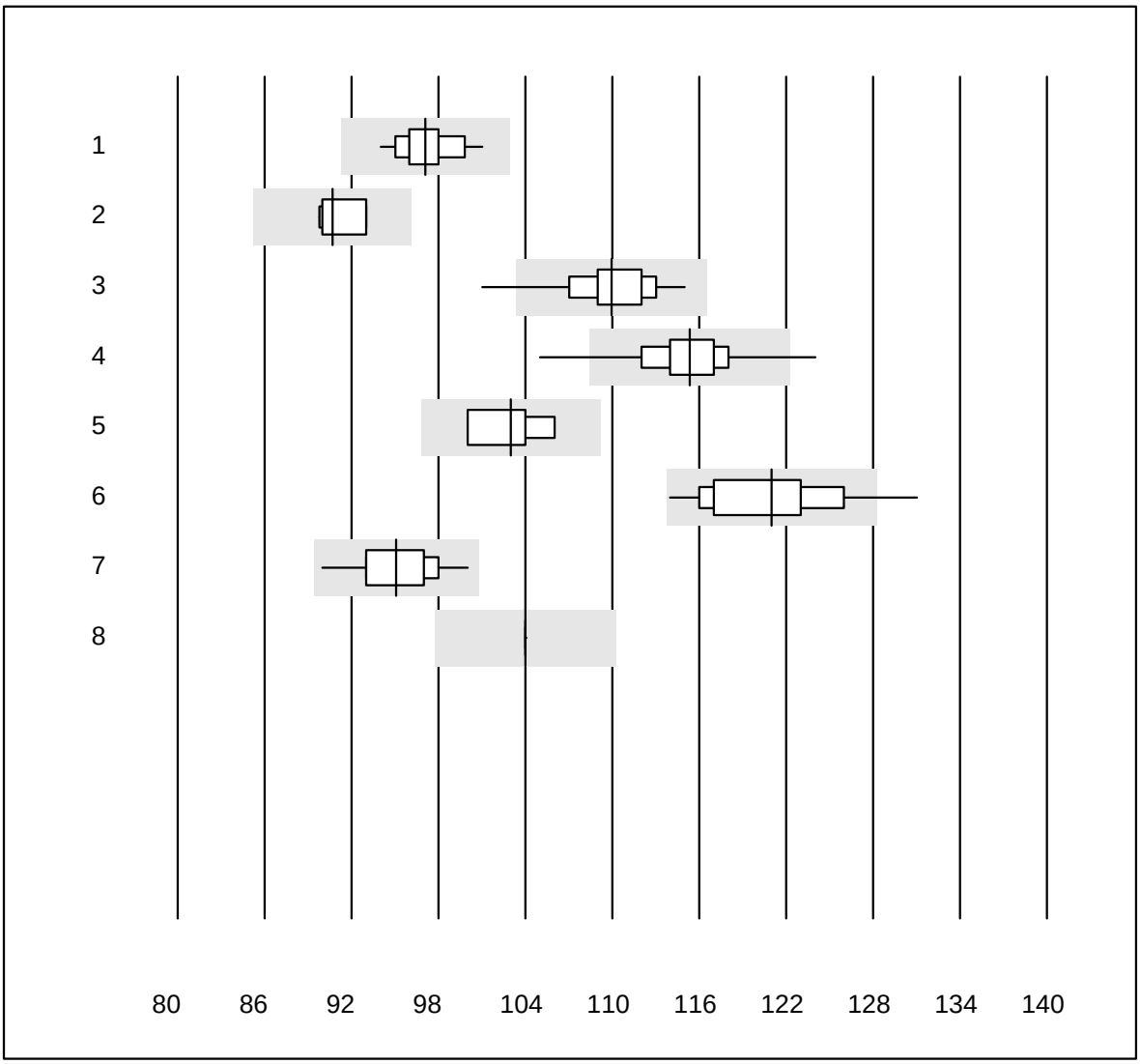
| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Standard chemistry | 24 | 95.8 | 0.0 | 4.2 | 2.52 | 3.6 | e |
| 2 | Cobas | 12 | 100.0 | 0.0 | 0.0 | 2.54 | 2.1 | e |
| 3 | Fuji Dri-Chem | 361 | 97.7 | 0.6 | 1.7 | 2.67 | 4.4 | e |
| 4 | Spotchem/Ready | 40 | 95.0 | 5.0 | 0.0 | 2.35 | 6.0 | e |
| 5 | Spotchem D-Concept | 70 | 94.3 | 5.7 | 0.0 | 1.91 | 6.1 | e |
| 6 | Piccolo | 30 | 100.0 | 0.0 | 0.0 | 2.48 | 2.3 | e |
| 7 | Abx Mira | 6 | 100.0 | 0.0 | 0.0 | 2.46 | 1.4 | e |
| 8 | Hitachi S40/M40 | 12 | 83.4 | 8.3 | 8.3 | 2.44 | 6.1 | e* |
| 9 | Autolyser/DiaSys | 6 | 100.0 | 0.0 | 0.0 | 2.48 | 4.5 | e* |

# Calcium ISE




| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | iStat Chem8 | 4 | 100.0 | 0.0 | 0.0 | 0.99 | 1.3 | e |

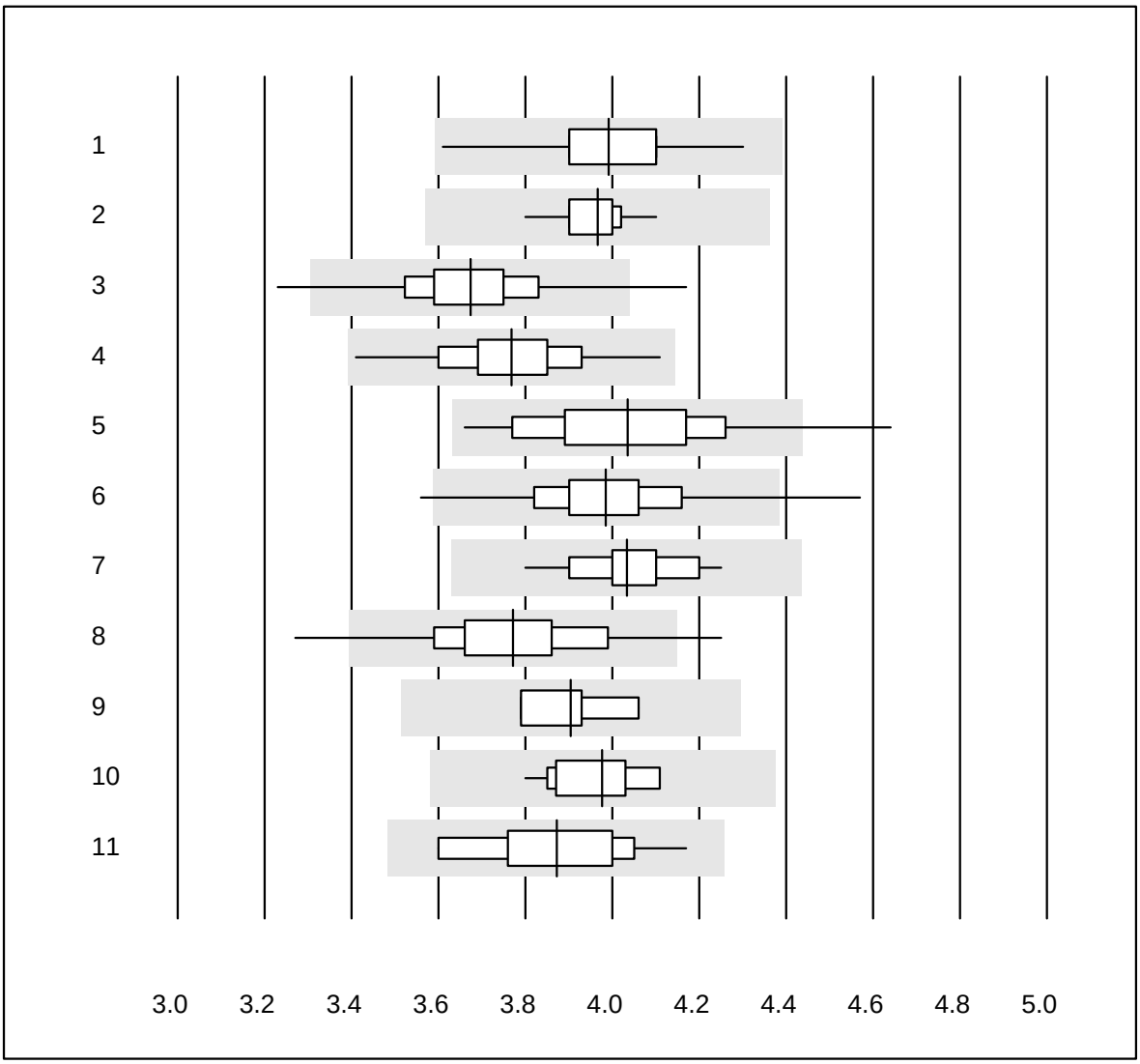
# Chloride




QUALAB tolerance : 6 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | ISE | 17 | 100.0 | 0.0 | 0.0 | 97 | 1.9 | e |
| 2 | Cobas | 7 | 100.0 | 0.0 | 0.0 | 91 | 1.5 | e |
| 3 | Fuji Dri-Chem | 637 | 96.9 | 2.2 | 0.9 | 110 | 2.2 | e |
| 4 | Spotchem D-Concept | 139 | 95.0 | 1.4 | 3.6 | 115 | 2.3 | e |
| 5 | Standard chemistry | 4 | 100.0 | 0.0 | 0.0 | 103 | 2.9 | a |
| 6 | Spotchem EL-SE 1520 | 112 | 90.2 | 2.7 | 7.1 | 121 | 3.1 | e |
| 7 | Piccolo | 16 | 100.0 | 0.0 | 0.0 | 95 | 2.6 | e |
| 8 | iStat Chem8 | 4 | 100.0 | 0.0 | 0.0 | 104 | 0.0 | e |

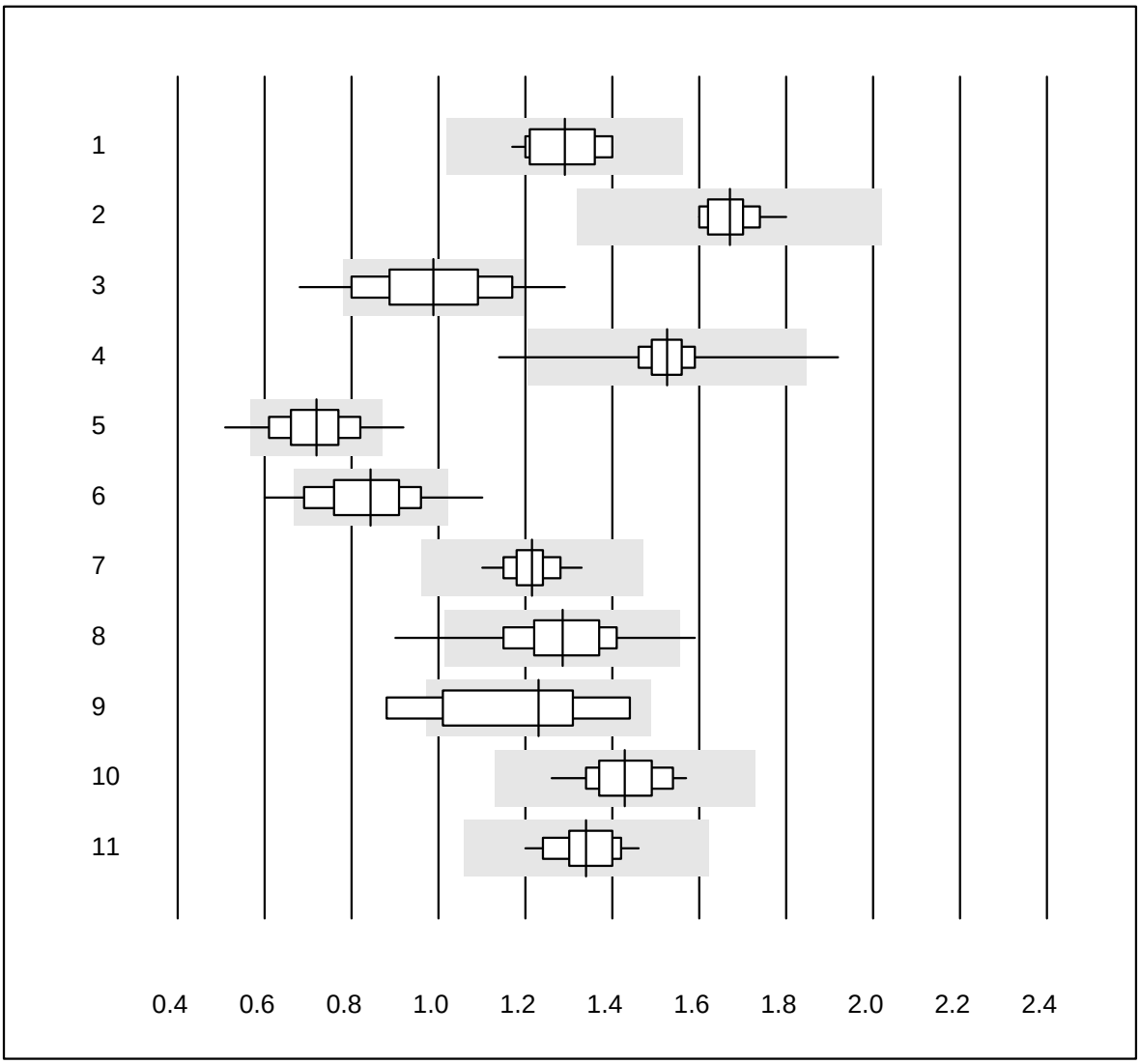
# Cholesterol total




QUALAB tolerance : 10 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Standard chemistry | 22 | 100.0 | 0.0 | 0.0 | 3.99 | 3.6 | e |
| 2 | Cobas | 15 | 100.0 | 0.0 | 0.0 | 3.97 | 1.8 | e |
| 3 | Reflotron | 699 | 98.1 | 0.9 | 1.0 | 3.67 | 3.4 | e |
| 4 | Fuji Dri-Chem | 715 | 99.4 | 0.0 | 0.6 | 3.77 | 3.3 | e |
| 5 | Spotchem/Ready | 134 | 97.0 | 1.5 | 1.5 | 4.04 | 4.7 | e |
| 6 | Spotchem D-Concept | 156 | 97.5 | 1.9 | 0.6 | 3.98 | 3.6 | e |
| 7 | Piccolo | 19 | 100.0 | 0.0 | 0.0 | 4.03 | 3.0 | e |
| 8 | Cholestech LDX | 190 | 94.7 | 3.2 | 2.1 | 3.77 | 4.3 | e |
| 9 | Abx Mira | 8 | 100.0 | 0.0 | 0.0 | 3.91 | 2.6 | e |
| 10 | Hitachi S40/M40 | 16 | 100.0 | 0.0 | 0.0 | 3.98 | 2.4 | e |
| 11 | Autolyser/DiaSys | 13 | 100.0 | 0.0 | 0.0 | 3.87 | 4.5 | e* |

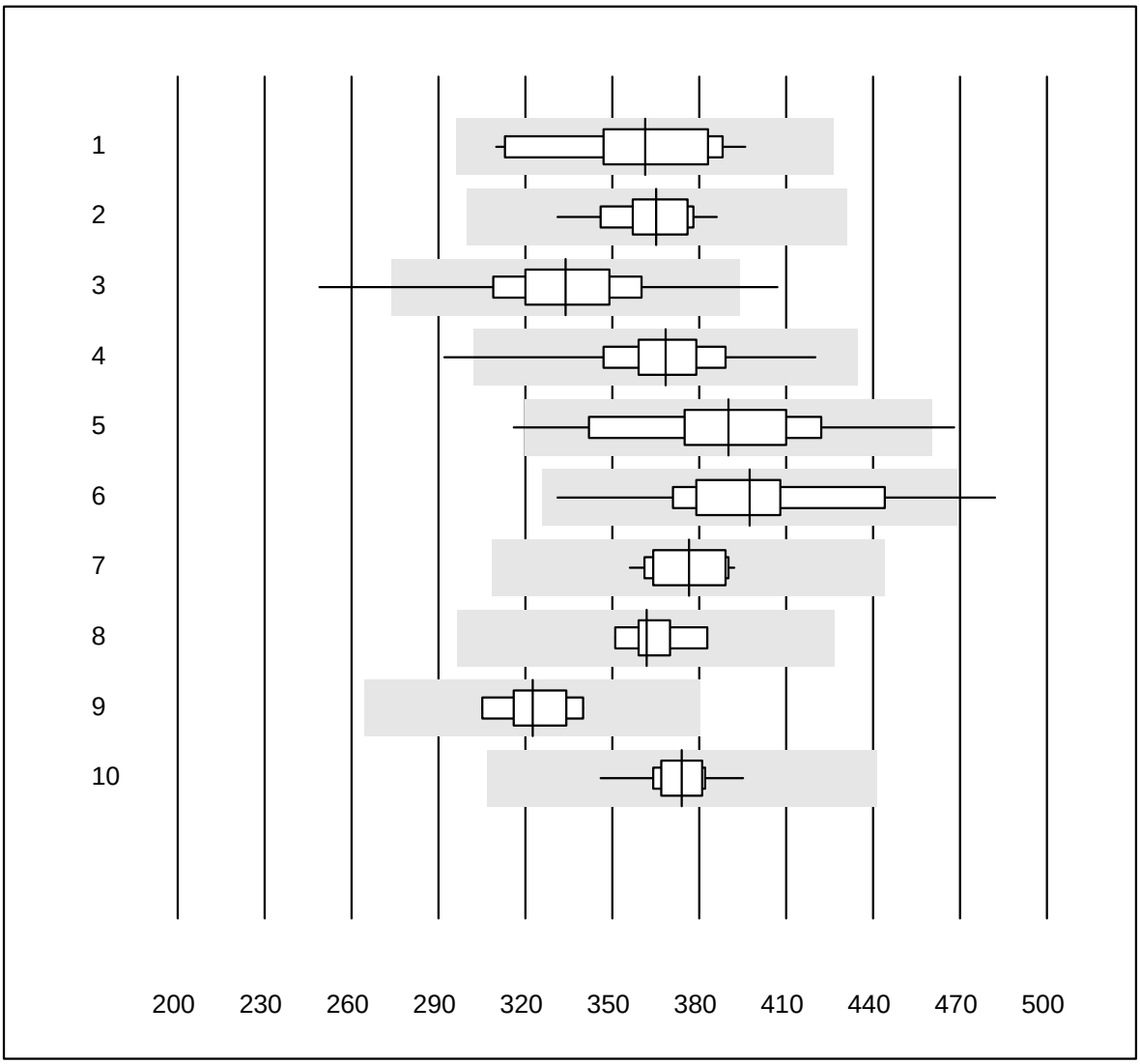
# Cholesterin HDL




QUALAB tolerance : 21 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Wet chemistry, direc | 15 | 100.0 | 0.0 | 0.0 | 1.29 | 5.9 | e |
| 2 | Cobas | 14 | 100.0 | 0.0 | 0.0 | 1.67 | 3.5 | e |
| 3 | Reflotron | 520 | 77.6 | 13.7 | 8.7 | 0.99 | 14.0 | e |
| 4 | Fuji Dri-Chem | 680 | 99.3 | 0.4 | 0.3 | 1.53 | 3.8 | e |
| 5 | Spotchem/Ready | 120 | 89.1 | 6.7 | 4.2 | 0.72 | 11.2 | e |
| 6 | Spotchem D-Concept | 152 | 90.1 | 9.2 | 0.7 | 0.84 | 12.4 | e |
| 7 | Piccolo | 17 | 94.1 | 0.0 | 5.9 | 1.22 | 4.5 | e |
| 8 | Cholestech LDX | 190 | 94.7 | 3.2 | 2.1 | 1.29 | 8.8 | e |
| 9 | Abx Mira | 8 | 87.5 | 12.5 | 0.0 | 1.23 | 17.0 | e* |
| 10 | Hitachi S40/M40 | 15 | 100.0 | 0.0 | 0.0 | 1.43 | 5.8 | e |
| 11 | Autolyser/DiaSys | 13 | 100.0 | 0.0 | 0.0 | 1.34 | 5.9 | e |

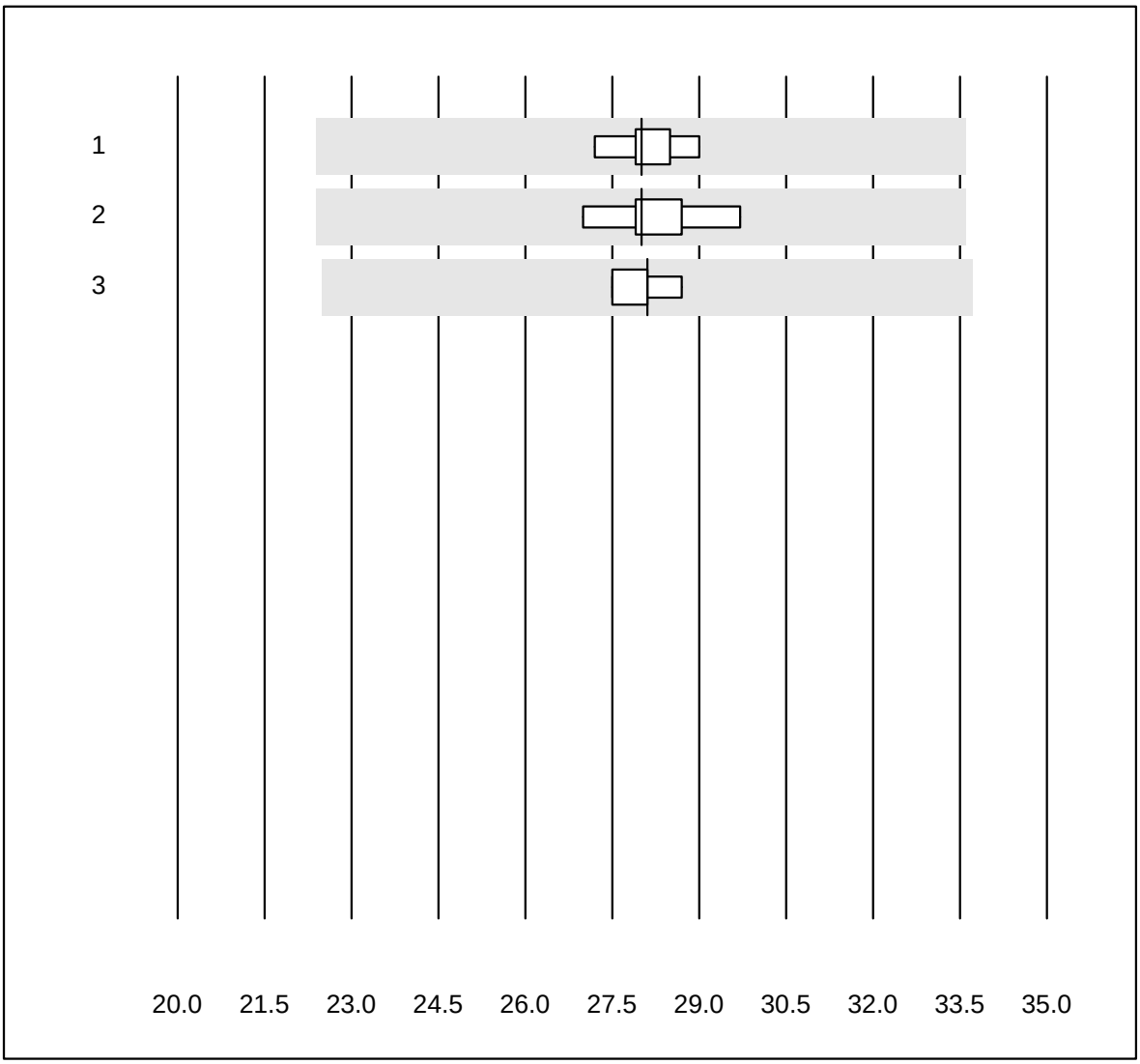
# Creatine kinase




QUALAB tolerance : 18 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | IFCC | 19 | 100.0 | 0.0 | 0.0 | 361 | 7.1 | e |
| 2 | Cobas | 14 | 100.0 | 0.0 | 0.0 | 365 | 4.1 | e |
| 3 | Reflotron | 394 | 93.6 | 1.8 | 4.6 | 334 | 6.5 | e |
| 4 | Fuji Dri-Chem | 451 | 99.4 | 0.2 | 0.4 | 368 | 4.5 | e |
| 5 | Spotchem/Ready | 52 | 94.2 | 5.8 | 0.0 | 390 | 8.0 | e |
| 6 | Spotchem D-Concept | 97 | 95.9 | 3.1 | 1.0 | 397 | 7.1 | e |
| 7 | Piccolo | 11 | 100.0 | 0.0 | 0.0 | 376 | 3.3 | e |
| 8 | Abx Mira | 6 | 100.0 | 0.0 | 0.0 | 362 | 3.0 | e |
| 9 | Hitachi S40/M40 | 10 | 90.0 | 0.0 | 10.0 | 323 | 3.5 | e |
| 10 | Autolyser/DiaSys | 12 | 100.0 | 0.0 | 0.0 | 374 | 3.2 | e |

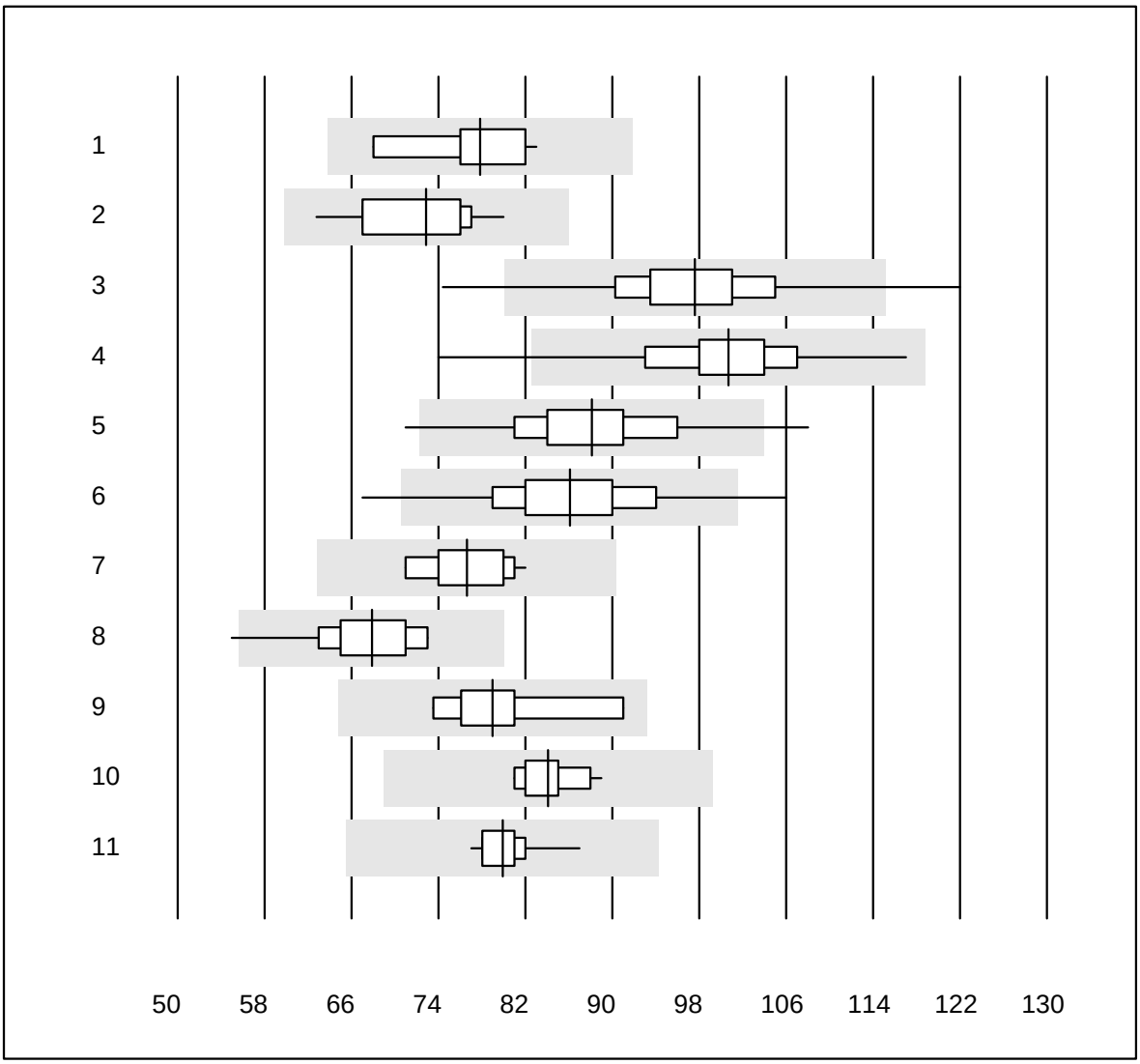
# Iron




QUALAB tolerance : 20 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Standard chemistry | 7 | 100.0 | 0.0 | 0.0 | 28 | 2.0 | e |
| 2 | Cobas | 9 | 100.0 | 0.0 | 0.0 | 28 | 2.8 | e |
| 3 | Abx Mira | 5 | 80.0 | 0.0 | 20.0 | 28 | 1.8 | e |

# Gamma-glutamyltransferase

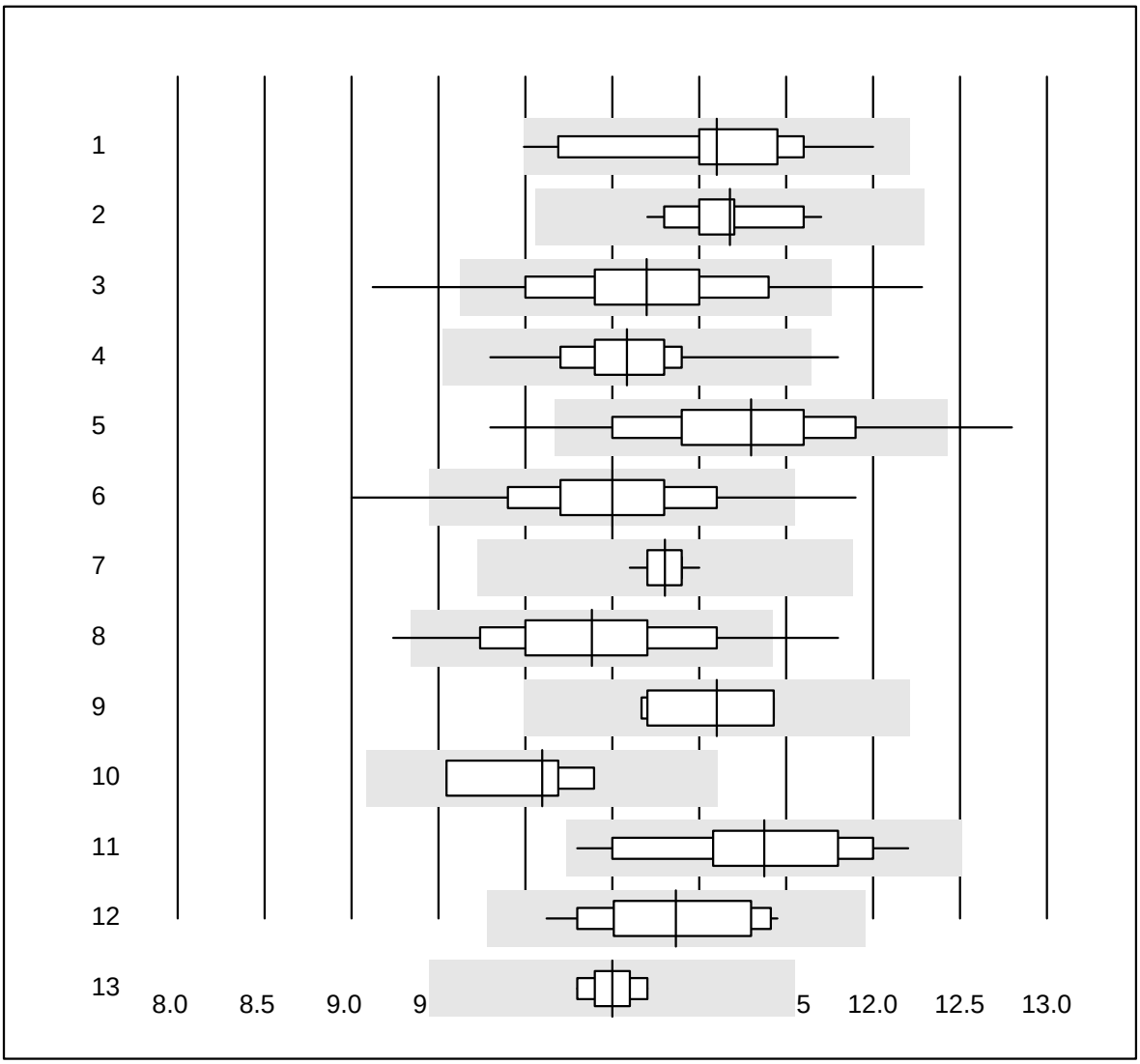



QUALAB tolerance : 18 %

Gamma-glutamyltransferase (U/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | IFCC | 11 | 90.9 | 0.0 | 9.1 | 78 | 6.8 | e |
| 2 | Cobas | 15 | 100.0 | 0.0 | 0.0 | 73 | 6.8 | e |
| 3 | Reflotron | 833 | 98.3 | 1.1 | 0.6 | 98 | 6.0 | e |
| 4 | Fuji Dri-Chem | 769 | 99.0 | 0.7 | 0.3 | 101 | 5.4 | e |
| 5 | Spotchem/Ready | 140 | 97.2 | 2.1 | 0.7 | 88 | 6.8 | e |
| 6 | Spotchem D-Concept | 172 | 97.1 | 2.3 | 0.6 | 86 | 6.9 | e |
| 7 | DGKC 37'C | 10 | 100.0 | 0.0 | 0.0 | 77 | 4.9 | e |
| 8 | Piccolo | 28 | 96.4 | 3.6 | 0.0 | 68 | 6.2 | e |
| 9 | Abx Mira | 9 | 100.0 | 0.0 | 0.0 | 79 | 7.3 | e* |
| 10 | Hitachi S40/M40 | 18 | 100.0 | 0.0 | 0.0 | 84 | 2.7 | e |
| 11 | Autolyser/DiaSys | 14 | 100.0 | 0.0 | 0.0 | 80 | 3.1 | e |

# Glucose

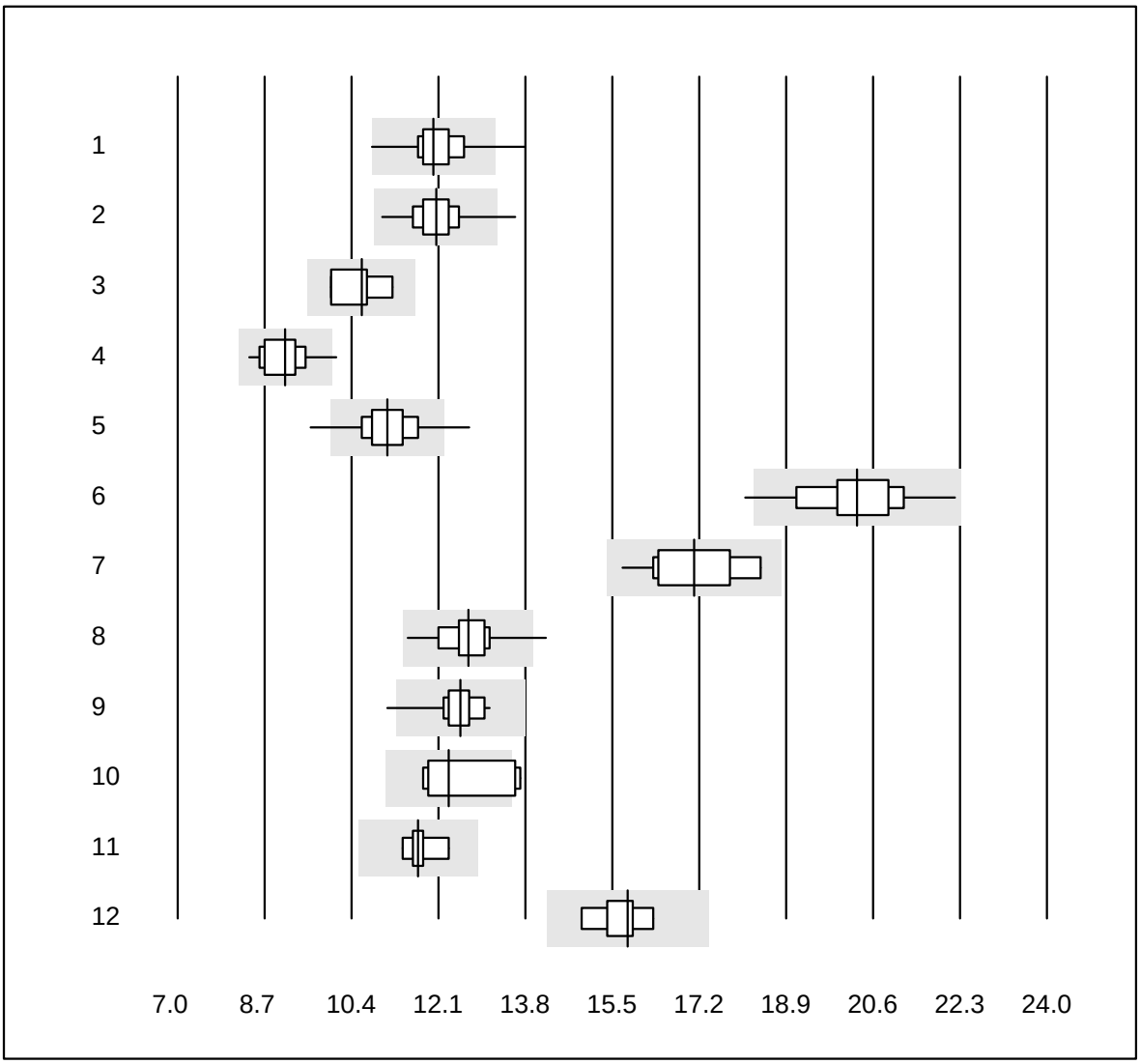



QUALAB tolerance : 10 %

Glucose (mmol/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Standard chemistry | 30 | 96.7 | 3.3 | 0.0 | 11.1 | 4.4 | e |
| 2 | Cobas | 16 | 100.0 | 0.0 | 0.0 | 11.2 | 2.4 | e |
| 3 | Reflotron | 843 | 91.0 | 5.6 | 3.4 | 10.7 | 5.0 | e |
| 4 | Fuji Dri-Chem | 728 | 99.2 | 0.1 | 0.7 | 10.6 | 2.6 | e |
| 5 | Spotchem/Ready | 124 | 93.6 | 5.6 | 0.8 | 11.3 | 5.0 | e |
| 6 | Spotchem D-Concept | 160 | 98.1 | 1.9 | 0.0 | 10.5 | 4.4 | e |
| 7 | Piccolo | 36 | 100.0 | 0.0 | 0.0 | 10.8 | 1.0 | e |
| 8 | Cholestech LDX | 153 | 96.7 | 3.3 | 0.0 | 10.4 | 5.0 | e |
| 9 | Abx Mira | 9 | 100.0 | 0.0 | 0.0 | 11.1 | 3.0 | e |
| 10 | Lange | 4 | 100.0 | 0.0 | 0.0 | 10.1 | 3.6 | e* |
| 11 | Hitachi S40/M40 | 19 | 100.0 | 0.0 | 0.0 | 11.4 | 4.5 | e |
| 12 | Autolyser/DiaSys | 14 | 100.0 | 0.0 | 0.0 | 10.9 | 3.8 | e |
| 13 | iStat Chem8 | 5 | 100.0 | 0.0 | 0.0 | 10.5 | 1.5 | e |

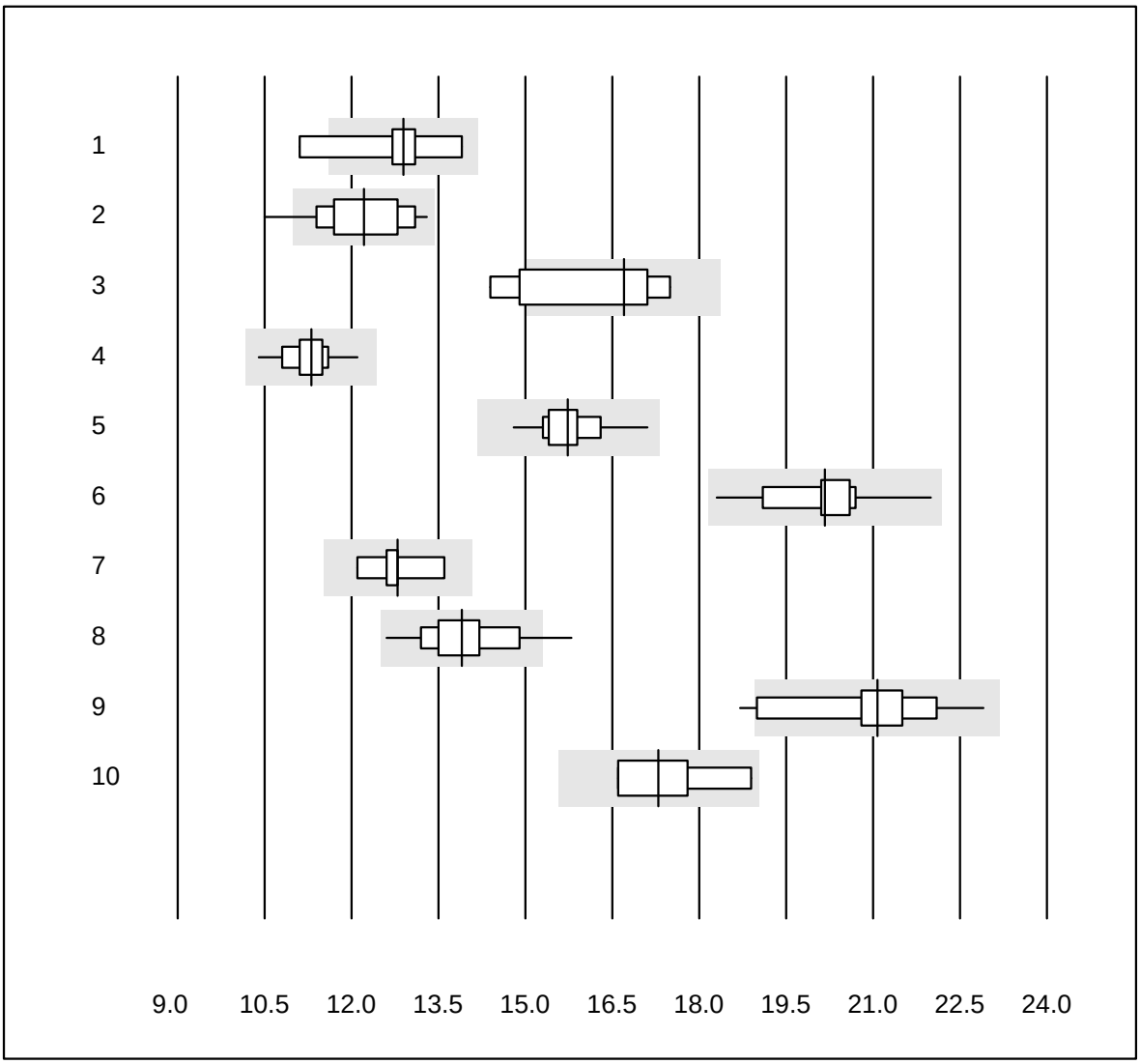
# Glucose




QUALAB tolerance : 10 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Accu-Chek Aviva | 385 | 93.5 | 2.3 | 4.2 | 12.0 | 3.5 | e |
| 2 | Accu-Chek Inform 2 | 258 | 98.8 | 0.4 | 0.8 | 12.1 | 2.9 | e |
| 3 | Accu-Chek Mobile | 4 | 100.0 | 0.0 | 0.0 | 10.6 | 4.7 | e* |
| 4 | Bayer Contour 2 (5s) | 44 | 88.6 | 2.3 | 9.1 | 9.1 | 4.3 | e |
| 5 | Bayer Contour XT/NEX | 1130 | 97.5 | 1.3 | 1.2 | 11.1 | 4.0 | e |
| 6 | Bayer Breeze 2 | 13 | 92.3 | 7.7 | 0.0 | 20.3 | 5.1 | e* |
| 7 | Glucocard | 11 | 100.0 | 0.0 | 0.0 | 17.1 | 5.1 | e* |
| 8 | Hemocue 201+ P-equiv | 87 | 96.6 | 1.1 | 2.3 | 12.7 | 3.5 | e |
| 9 | Hemocue 201RT P-equi | 42 | 97.6 | 2.4 | 0.0 | 12.5 | 3.1 | e |
| 10 | FreeStyle Precision | 8 | 62.5 | 25.0 | 12.5 | 12.3 | 6.4 | e* |
| 11 | Freestyle Freedom li | 8 | 100.0 | 0.0 | 0.0 | 11.7 | 2.3 | e |
| 12 | Sanofi BG Star | 5 | 100.0 | 0.0 | 0.0 | 15.8 | 3.4 | e* |

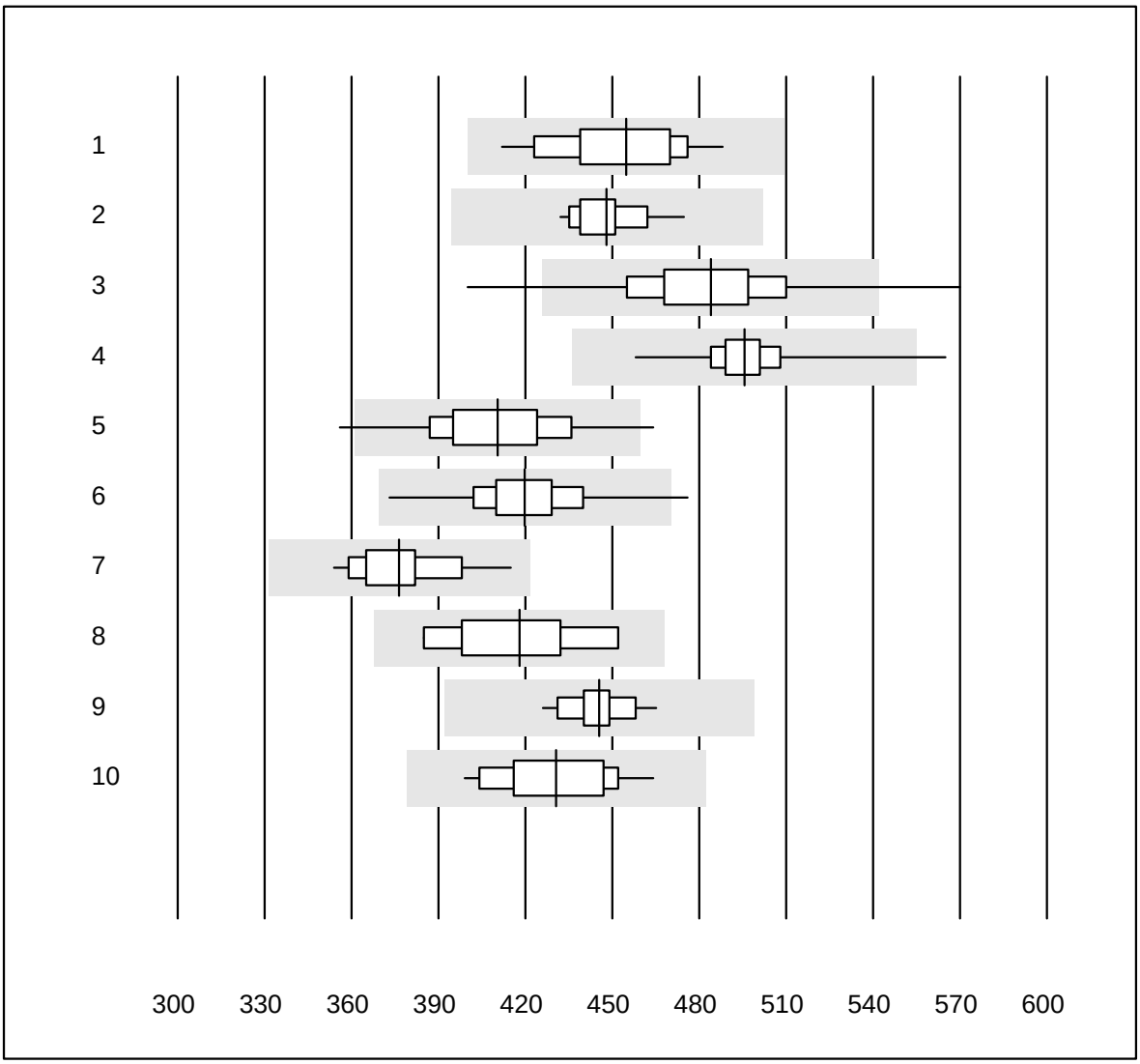
# Glucose B




QUALAB tolerance : 10 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Bayer Elite | 9 | 77.8 | 11.1 | 11.1 | 12.9 | 6.2 | e* |
| 2 | Hemocue 201+ (alt) | 51 | 96.0 | 2.0 | 2.0 | 12.2 | 5.4 | e |
| 3 | OneTouch Ultra | 7 | 71.4 | 28.6 | 0.0 | 16.7 | 7.4 | e* |
| 4 | OneTouch Verio | 28 | 100.0 | 0.0 | 0.0 | 11.3 | 3.2 | e |
| 5 | Bayer Contour (15s) | 11 | 100.0 | 0.0 | 0.0 | 15.7 | 3.8 | e |
| 6 | Healthpro | 14 | 92.9 | 0.0 | 7.1 | 20.2 | 4.4 | e |
| 7 | Mylife UNIO | 7 | 100.0 | 0.0 | 0.0 | 12.8 | 3.5 | e* |
| 8 | mylife Pura | 59 | 84.7 | 3.4 | 11.9 | 13.9 | 4.8 | e |
| 9 | Omnitest | 17 | 94.1 | 5.9 | 0.0 | 21.1 | 4.9 | e |
| 10 | Alpha Check | 4 | 100.0 | 0.0 | 0.0 | 17.3 | 6.0 | e* |

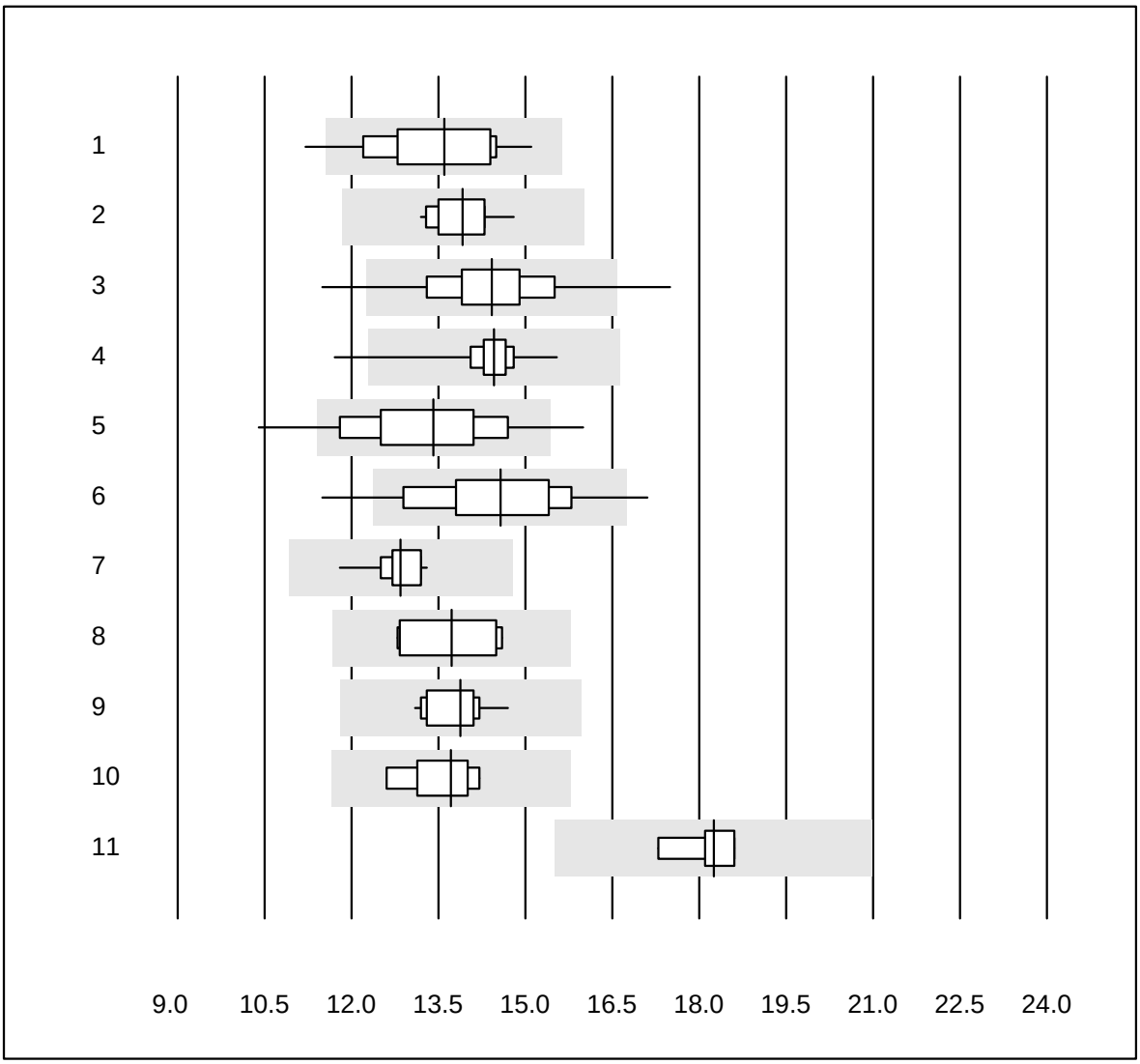
# Uric Acid




QUALAB tolerance : 12 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Standard chemistry | 25 | 100.0 | 0.0 | 0.0 | 455 | 4.5 | e |
| 2 | Cobas | 11 | 100.0 | 0.0 | 0.0 | 448 | 2.7 | e |
| 3 | Reflotron | 736 | 98.5 | 1.1 | 0.4 | 484 | 4.7 | e |
| 4 | Fuji Dri-Chem | 729 | 99.6 | 0.1 | 0.3 | 496 | 2.0 | e |
| 5 | Spotchem/Ready | 117 | 96.5 | 2.6 | 0.9 | 410 | 5.0 | e |
| 6 | Spotchem D-Concept | 156 | 98.7 | 1.3 | 0.0 | 420 | 3.9 | e |
| 7 | Piccolo | 23 | 100.0 | 0.0 | 0.0 | 376 | 4.2 | e |
| 8 | Abx Mira | 8 | 100.0 | 0.0 | 0.0 | 418 | 5.6 | e* |
| 9 | Hitachi S40/M40 | 17 | 100.0 | 0.0 | 0.0 | 445 | 2.2 | e |
| 10 | Autolyser/DiaSys | 13 | 100.0 | 0.0 | 0.0 | 431 | 4.7 | e |

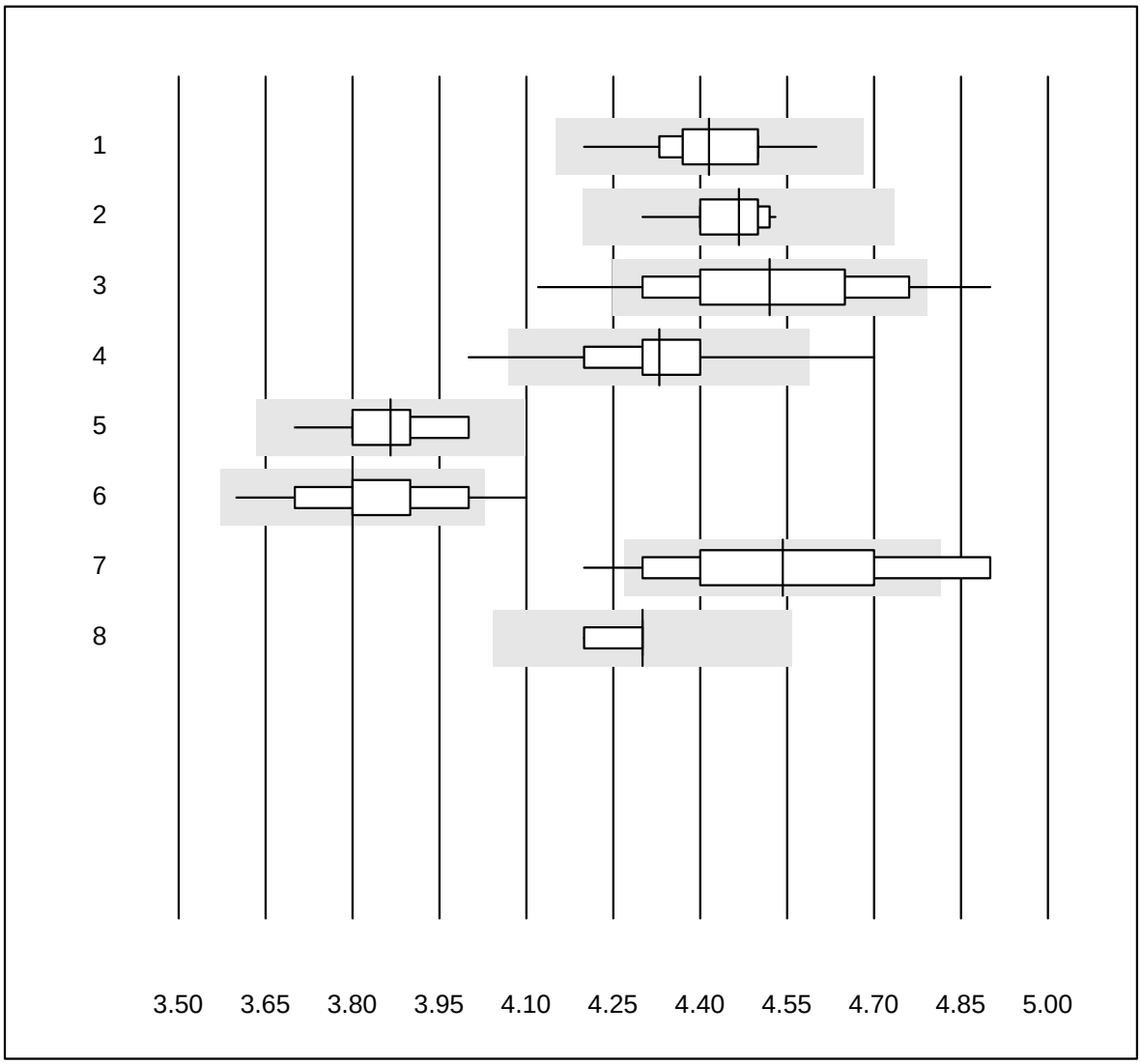
# Urea




QUALAB tolerance : 15 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Standard chemistry | 24 | 95.8 | 4.2 | 0.0 | 13.6 | 7.6 | e |
| 2 | Cobas | 14 | 100.0 | 0.0 | 0.0 | 13.9 | 3.2 | e |
| 3 | Reflotron | 329 | 96.4 | 3.0 | 0.6 | 14.4 | 6.0 | e |
| 4 | Fuji Dri-Chem | 446 | 99.6 | 0.2 | 0.2 | 14.5 | 2.3 | e |
| 5 | Spotchem/Ready | 80 | 93.7 | 6.3 | 0.0 | 13.4 | 8.5 | e |
| 6 | Spotchem D-Concept | 95 | 90.5 | 6.3 | 3.2 | 14.6 | 8.2 | e |
| 7 | Piccolo | 34 | 100.0 | 0.0 | 0.0 | 12.8 | 3.0 | e |
| 8 | Abx Mira | 6 | 100.0 | 0.0 | 0.0 | 13.7 | 5.7 | e* |
| 9 | Hitachi S40/M40 | 13 | 92.3 | 0.0 | 7.7 | 13.9 | 3.3 | e |
| 10 | Autolyser/DiaSys | 7 | 100.0 | 0.0 | 0.0 | 13.7 | 4.0 | e |
| 11 | iStat Chem8 | 6 | 100.0 | 0.0 | 0.0 | 18.3 | 2.7 | e |

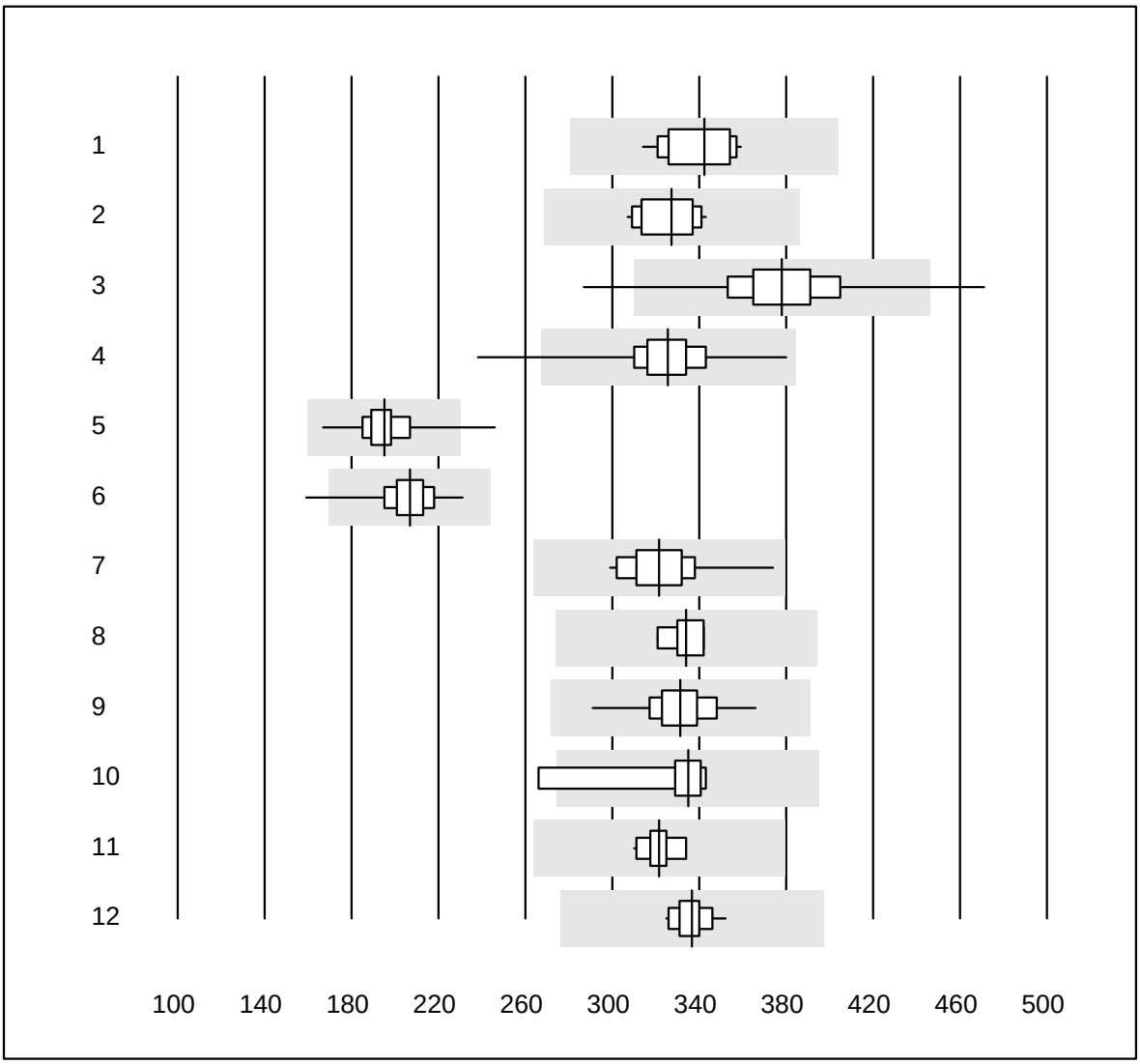
# Potassium




QUALAB tolerance : 6 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | ISE | 33 | 97.0 | 0.0 | 3.0 | 4.42 | 1.9 | e |
| 2 | Cobas | 16 | 100.0 | 0.0 | 0.0 | 4.47 | 1.4 | e |
| 3 | Reflotron | 752 | 85.5 | 9.6 | 4.9 | 4.52 | 3.7 | e |
| 4 | Fuji Dri-Chem | 764 | 97.7 | 1.3 | 1.0 | 4.33 | 2.0 | e |
| 5 | Spotchem D-Concept | 158 | 97.5 | 0.0 | 2.5 | 3.87 | 2.0 | e |
| 6 | Spotchem EL-SE 1520 | 116 | 97.4 | 0.9 | 1.7 | 3.80 | 2.8 | e |
| 7 | Piccolo | 22 | 72.8 | 13.6 | 13.6 | 4.54 | 4.4 | e* |
| 8 | iStat Chem8 | 6 | 100.0 | 0.0 | 0.0 | 4.30 | 1.0 | e |

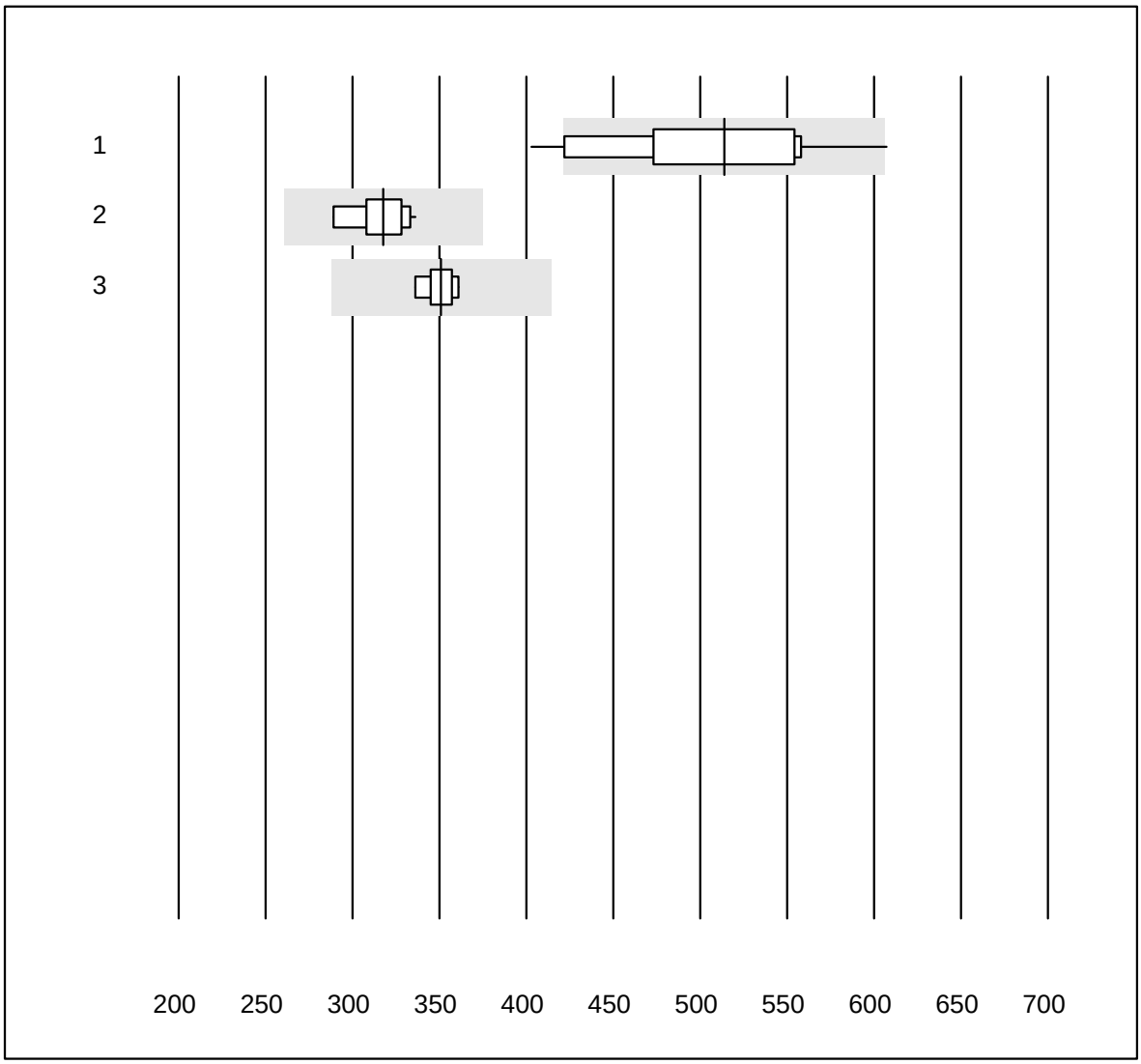
# Creatinine




QUALAB tolerance : 18 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Standard chemistry | 14 | 92.9 | 0.0 | 7.1 | 343 | 4.5 | e |
| 2 | Cobas | 16 | 100.0 | 0.0 | 0.0 | 327 | 3.7 | e |
| 3 | Reflotron | 937 | 98.3 | 1.0 | 0.7 | 378 | 5.7 | e |
| 4 | Fuji Dri-Chem | 794 | 98.8 | 0.3 | 0.9 | 326 | 4.1 | e |
| 5 | Spotchem/Ready | 135 | 81.5 | 1.5 | 17.0 | 195 | 6.1 | e |
| 6 | Spotchem D-Concept | 157 | 96.9 | 0.6 | 2.5 | 207 | 5.2 | e |
| 7 | Spotchem old test | 19 | 94.7 | 0.0 | 5.3 | 322 | 5.3 | e |
| 8 | Enzymatic | 7 | 100.0 | 0.0 | 0.0 | 334 | 2.3 | e |
| 9 | Piccolo | 34 | 100.0 | 0.0 | 0.0 | 331 | 4.3 | e |
| 10 | Abx Mira | 10 | 80.0 | 10.0 | 10.0 | 335 | 7.9 | e* |
| 11 | Hitachi S40/M40 | 18 | 100.0 | 0.0 | 0.0 | 321 | 2.1 | e |
| 12 | Autolyser/DiaSys | 14 | 100.0 | 0.0 | 0.0 | 337 | 2.2 | e |

# Creatinine E

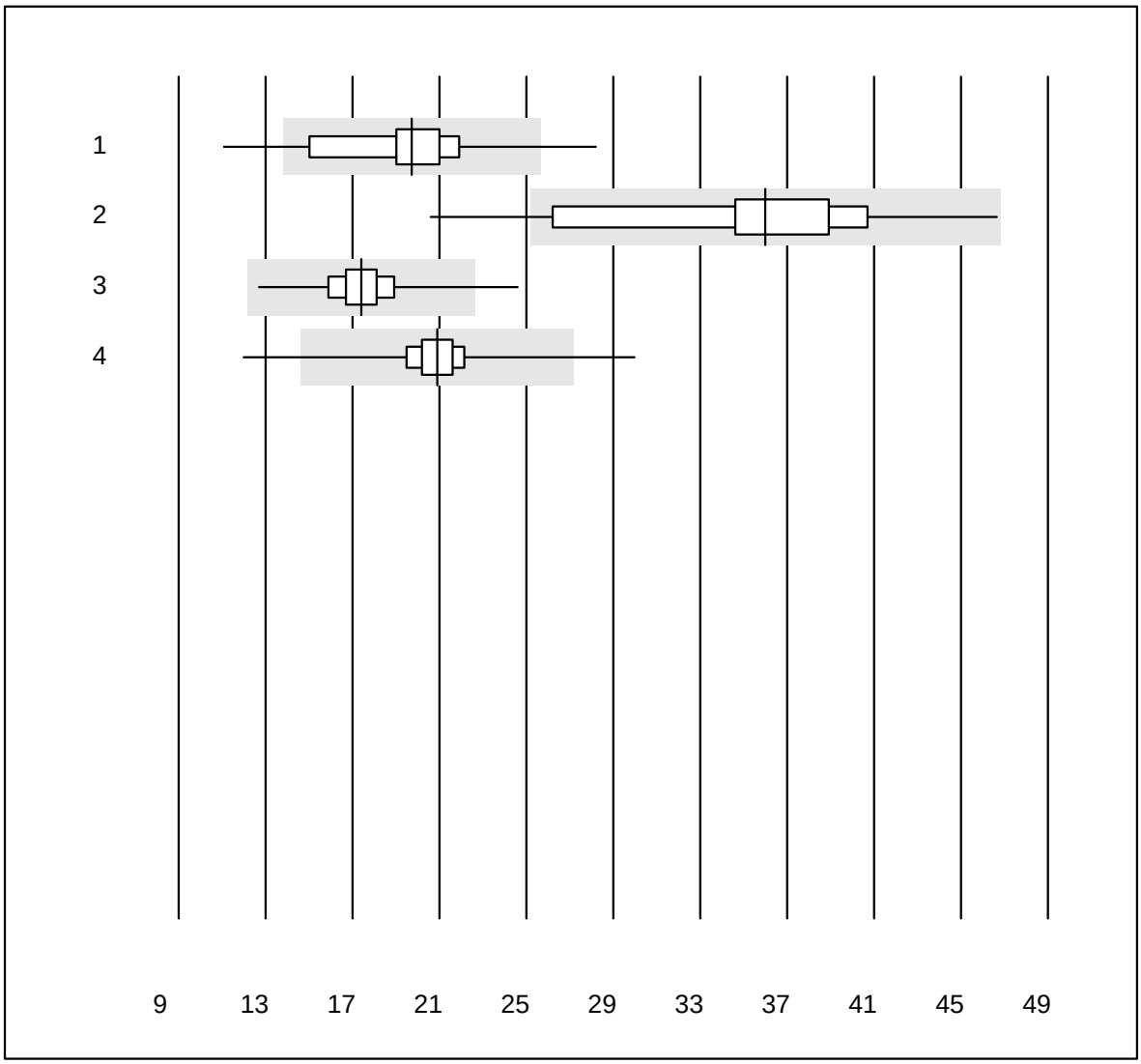



QUALAB tolerance : 18 %

Creatinine E (µmol/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Statsensor i / Nova | 35 | 85.7 | 11.4 | 2.9 | 514 | 10.5 | e |
| 2 | iStat Chem8 | 10 | 100.0 | 0.0 | 0.0 | 318 | 4.5 | e |
| 3 | ABL700/800 | 9 | 100.0 | 0.0 | 0.0 | 351 | 2.5 | e |

# eGFR CKD-EPI

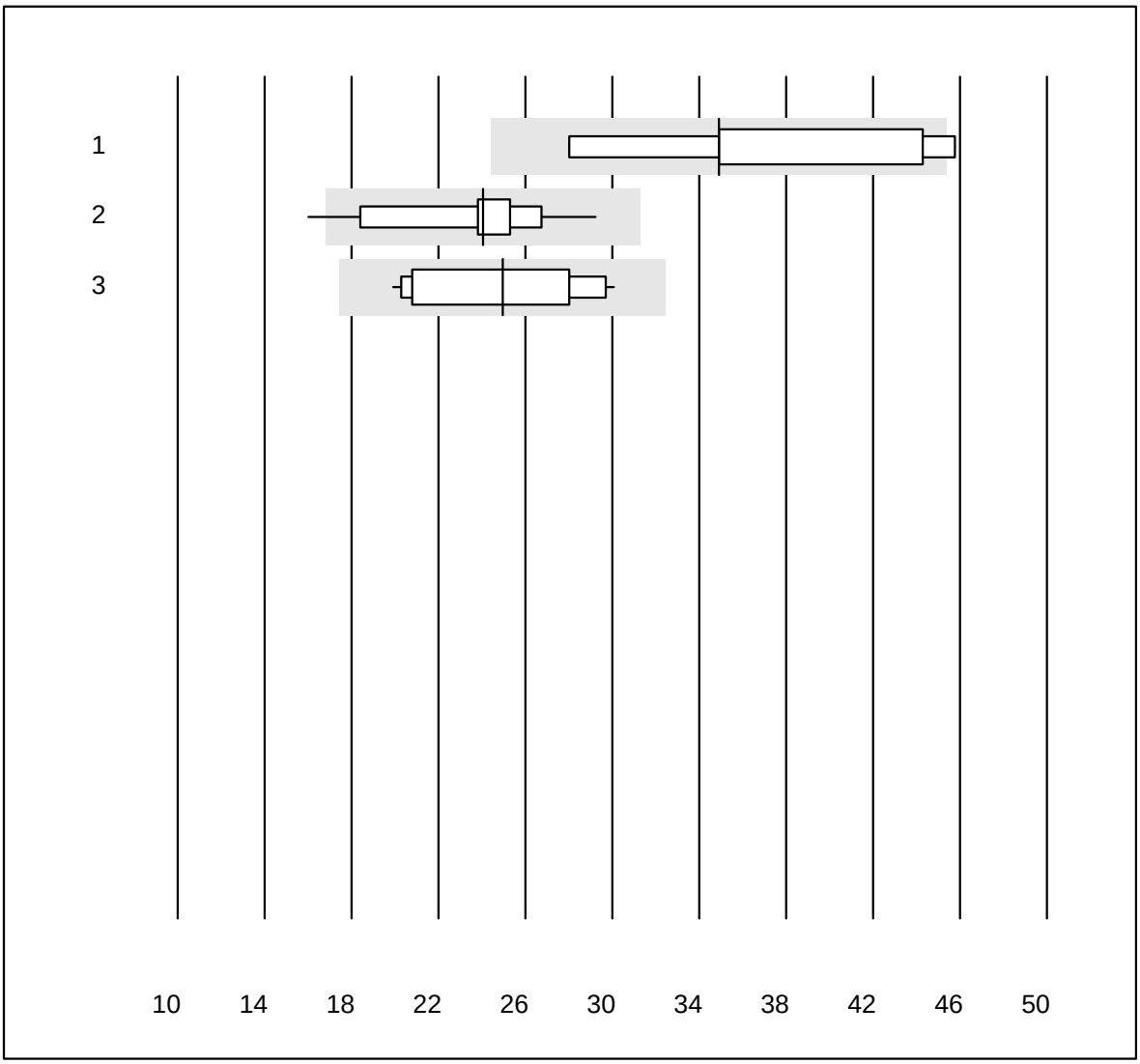



QUALAB tolerance : 30 %

eGFR CKD-EPI ()

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Standard chemistry | 56 | 85.8 | 7.1 | 7.1 | 20 | 14.4 | e |
| 2 | Spotchem/Ready | 111 | 86.5 | 8.1 | 5.4 | 36 | 14.6 | e |
| 3 | Reflotron | 339 | 95.3 | 0.9 | 3.8 | 17 | 8.0 | e |
| 4 | Fuji Dri-Chem | 327 | 94.1 | 2.8 | 3.1 | 21 | 8.7 | e |

# eGFR Cockcroft-Gault

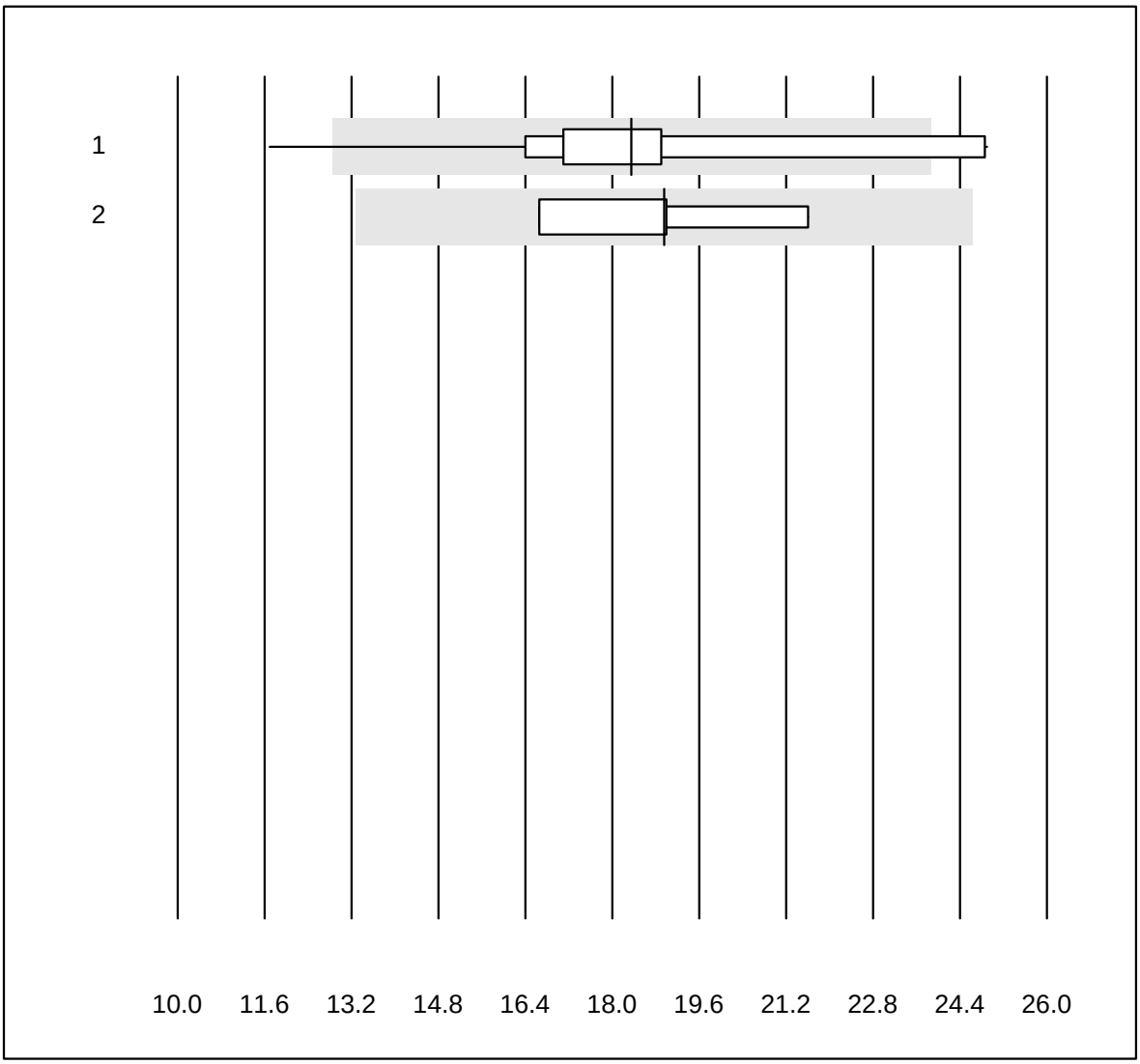



QUALAB tolerance : 30 %

eGFR Cockcroft-Gault ()

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Spotchem/Ready | 7 | 57.1 | 14.3 | 28.6 | 35 | 19.3 | e* |
| 2 | Reflotron | 25 | 96.0 | 4.0 | 0.0 | 24 | 12.3 | e |
| 3 | Fuji Dri-Chem | 25 | 96.0 | 0.0 | 4.0 | 25 | 15.1 | e |

# eGFR MDRD

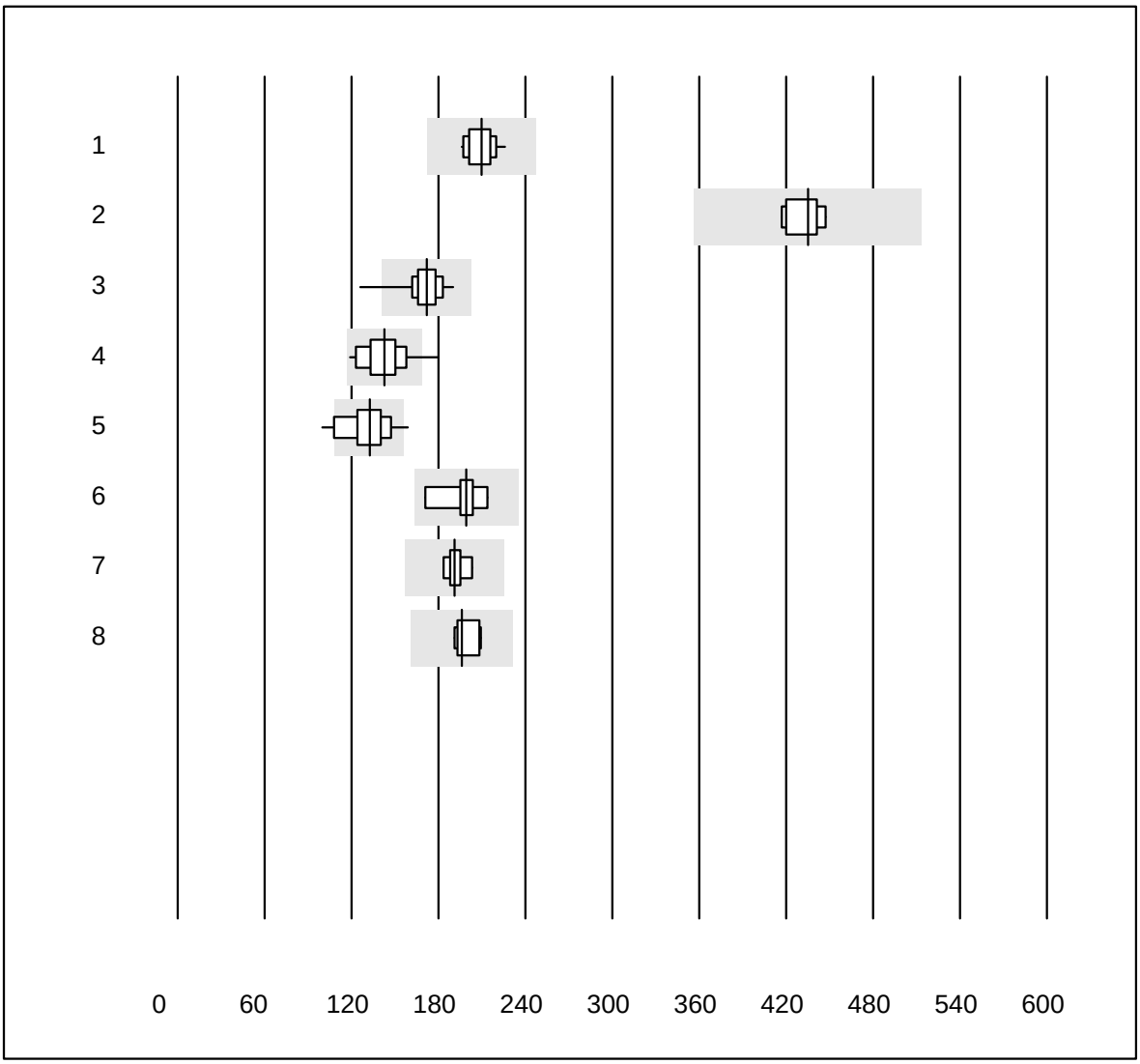



QUALAB tolerance : 30 %

eGFR MDRD ()

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Reflotron | 14 | 71.5 | 21.4 | 7.1 | 18 | 18.7 | e* |
| 2 | Fuji Dri-Chem | 4 | 100.0 | 0.0 | 0.0 | 19 | 10.6 | e* |

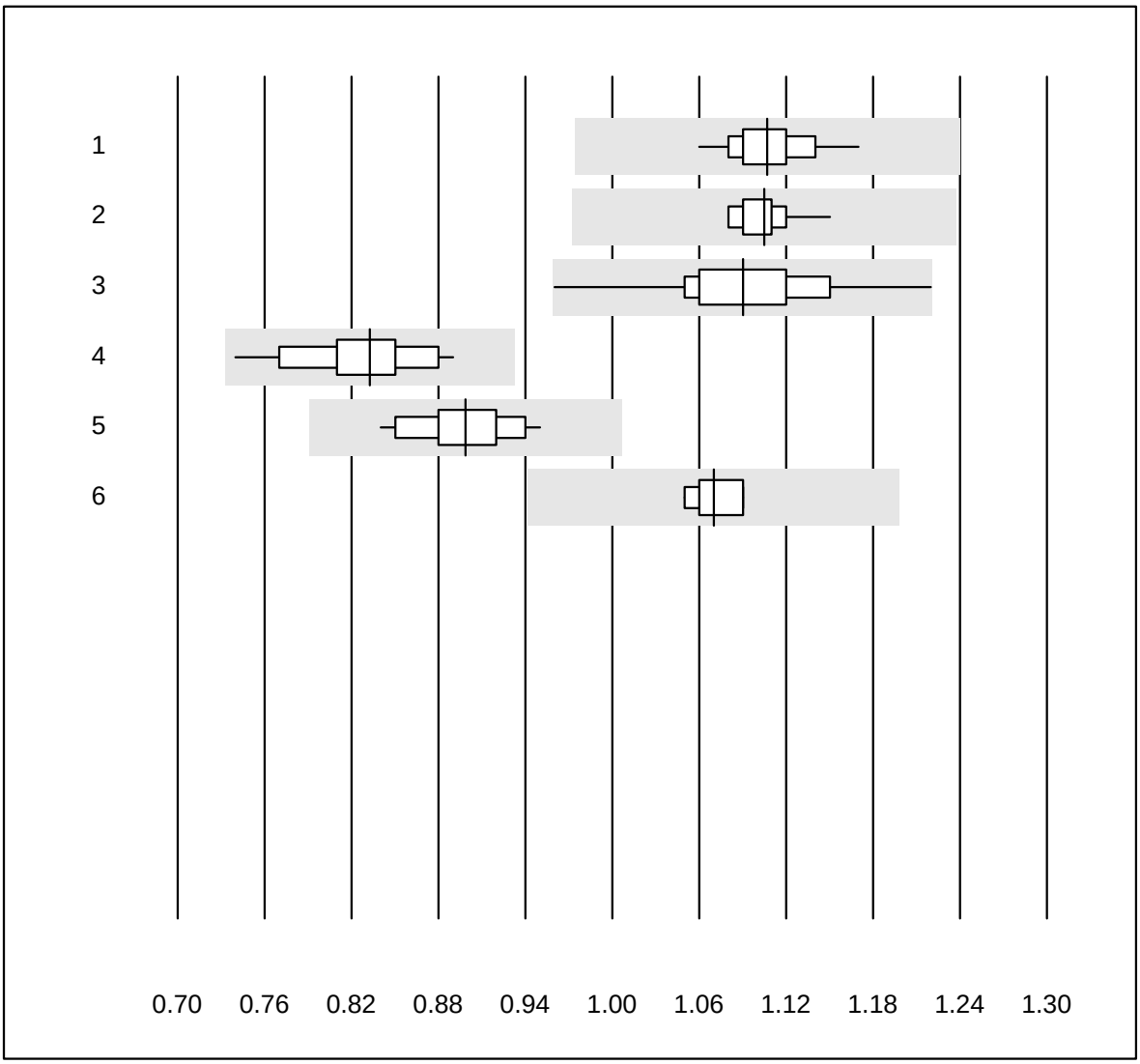
# LDH




QUALAB tolerance : 18 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | IFCC | 20 | 100.0 | 0.0 | 0.0 | 210 | 4.1 | e |
| 2 | Cobas | 9 | 100.0 | 0.0 | 0.0 | 435 | 2.5 | e |
| 3 | Fuji Dri-Chem | 144 | 97.9 | 0.7 | 1.4 | 172 | 5.1 | e |
| 4 | Spotchem/Ready | 31 | 96.8 | 3.2 | 0.0 | 143 | 9.8 | e |
| 5 | Spotchem D-Concept | 45 | 77.8 | 11.1 | 11.1 | 132 | 10.8 | e |
| 6 | Abx Mira | 6 | 100.0 | 0.0 | 0.0 | 199 | 7.3 | e* |
| 7 | Hitachi S40/M40 | 6 | 83.3 | 0.0 | 16.7 | 191 | 3.8 | e |
| 8 | Autolyser/DiaSys | 7 | 100.0 | 0.0 | 0.0 | 196 | 3.8 | e |

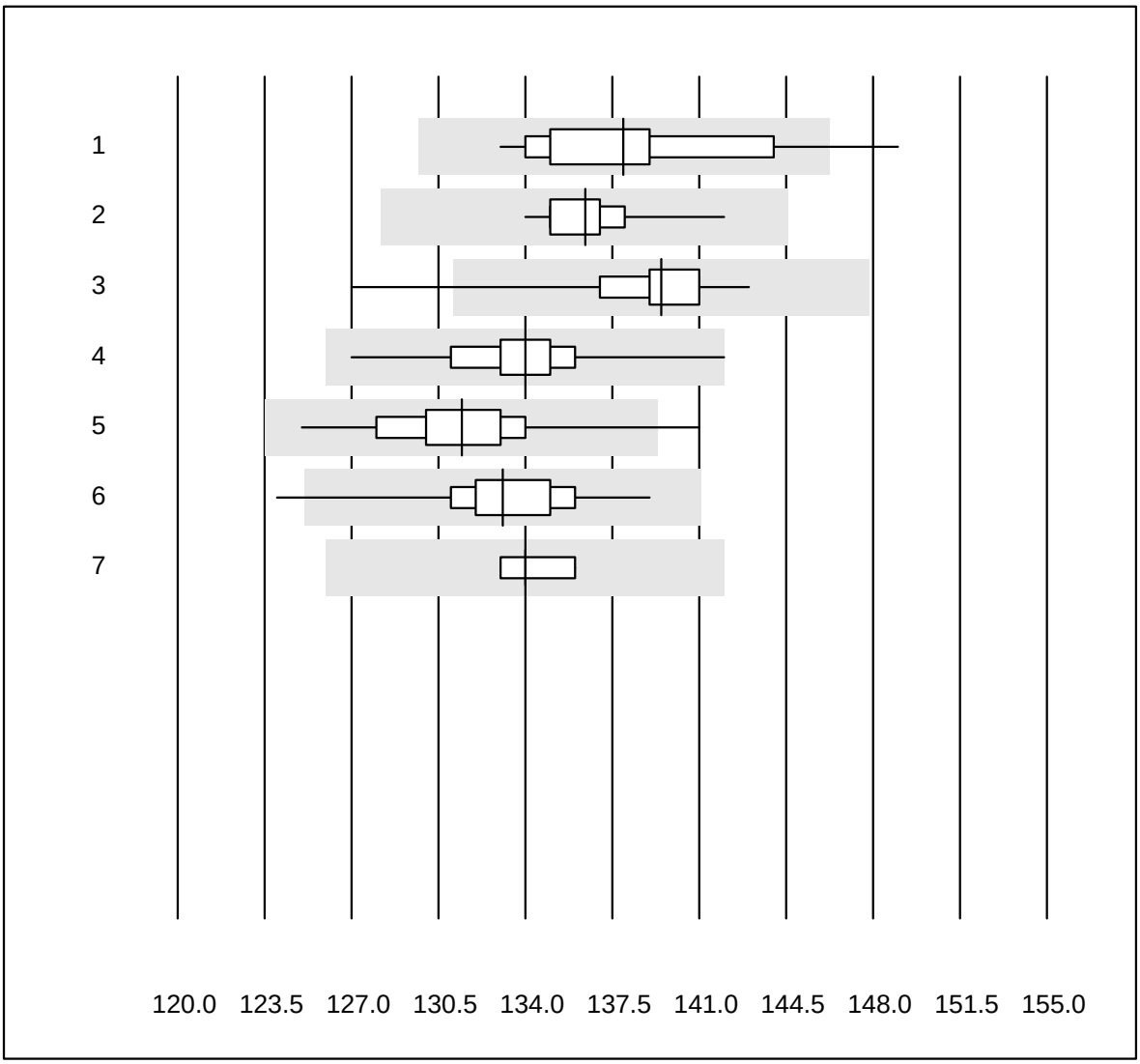
# Magnesium




QUALAB tolerance : 12 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Standard chemistry | 17 | 100.0 | 0.0 | 0.0 | 1.11 | 2.2 | e |
| 2 | Cobas | 10 | 100.0 | 0.0 | 0.0 | 1.11 | 1.8 | e |
| 3 | Fuji Dri-Chem | 119 | 98.3 | 0.0 | 1.7 | 1.09 | 3.8 | e |
| 4 | Spotchem D-Concept | 33 | 100.0 | 0.0 | 0.0 | 0.83 | 4.4 | e |
| 5 | Spotchem/Ready | 15 | 100.0 | 0.0 | 0.0 | 0.90 | 3.5 | e |
| 6 | Piccolo | 5 | 100.0 | 0.0 | 0.0 | 1.07 | 1.7 | e |

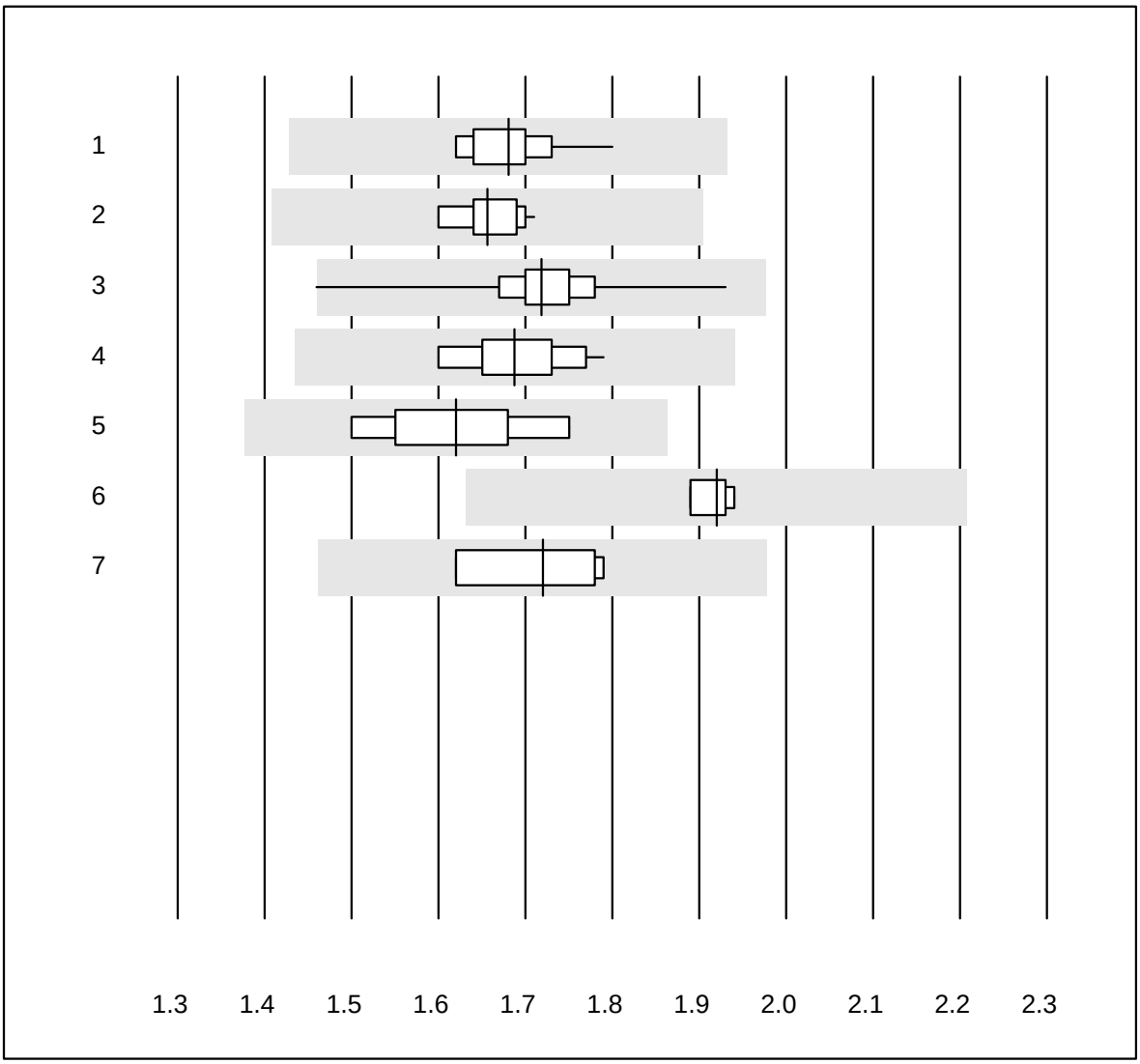
# Sodium




QUALAB tolerance : 6 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | ISE | 32 | 90.6 | 9.4 | 0.0 | 138 | 3.0 | e |
| 2 | Cobas | 15 | 100.0 | 0.0 | 0.0 | 136 | 1.4 | e |
| 3 | Fuji Dri-Chem | 709 | 98.9 | 0.7 | 0.4 | 139 | 1.5 | e |
| 4 | Spotchem D-Concept | 150 | 100.0 | 0.0 | 0.0 | 134 | 1.8 | e |
| 5 | Spotchem EL-SE 1520 | 116 | 97.4 | 0.9 | 1.7 | 131 | 1.9 | e |
| 6 | Piccolo | 23 | 95.7 | 4.3 | 0.0 | 133 | 2.3 | e |
| 7 | iStat Chem8 | 5 | 100.0 | 0.0 | 0.0 | 134 | 0.8 | e |

# Phosphate

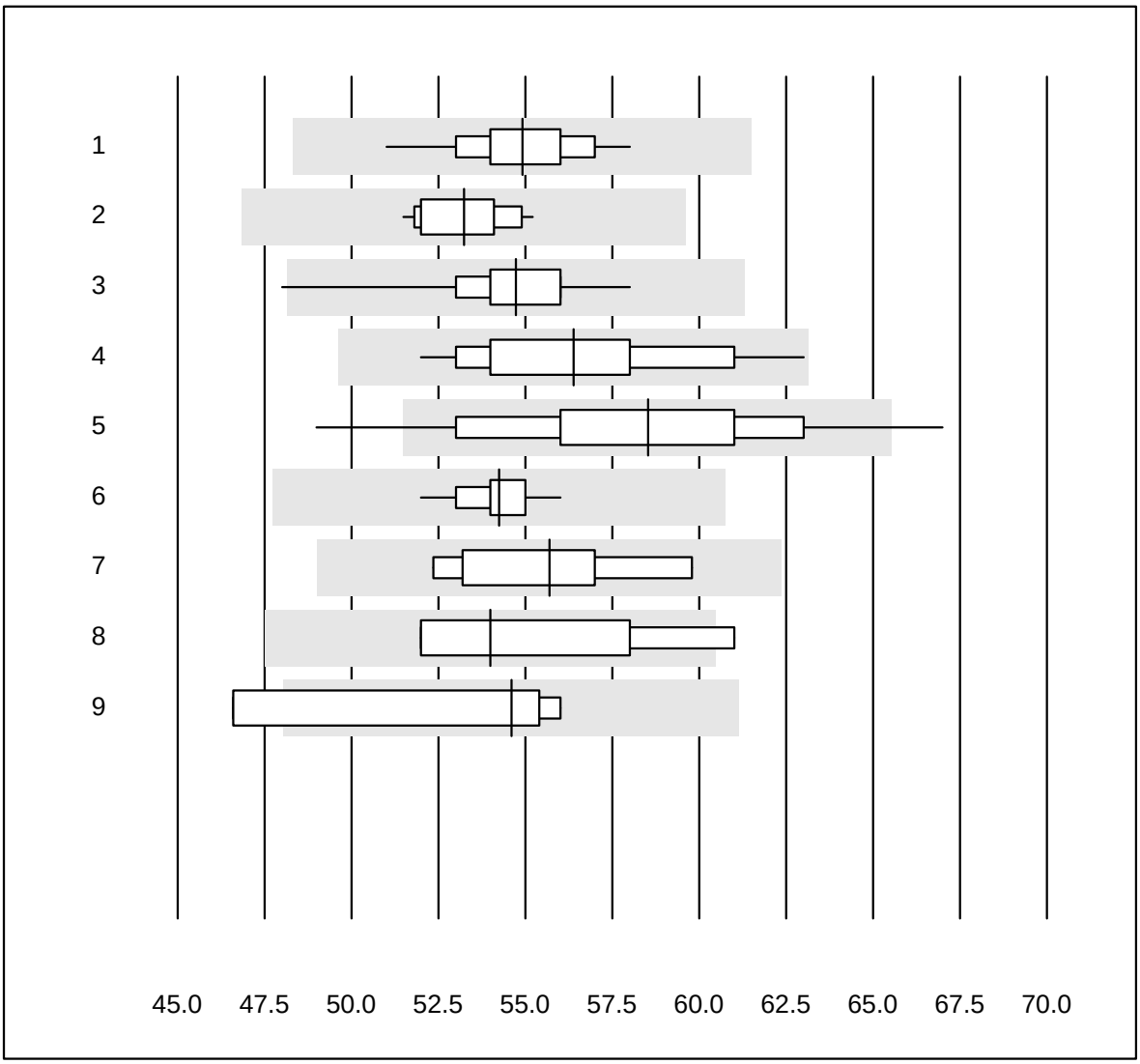



QUALAB tolerance : 15 %

Phosphate (mmol/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Standard chemistry | 16 | 100.0 | 0.0 | 0.0 | 1.7 | 2.8 | e |
| 2 | Cobas | 10 | 100.0 | 0.0 | 0.0 | 1.7 | 2.2 | e |
| 3 | Fuji Dri-Chem | 81 | 98.8 | 1.2 | 0.0 | 1.7 | 3.7 | e |
| 4 | Spotchem D-Concept | 17 | 100.0 | 0.0 | 0.0 | 1.7 | 3.5 | e |
| 5 | Spotchem/Ready | 9 | 100.0 | 0.0 | 0.0 | 1.6 | 5.4 | e |
| 6 | Piccolo | 4 | 100.0 | 0.0 | 0.0 | 1.9 | 1.2 | e |
| 7 | Abx Mira | 4 | 100.0 | 0.0 | 0.0 | 1.7 | 5.0 | e* |

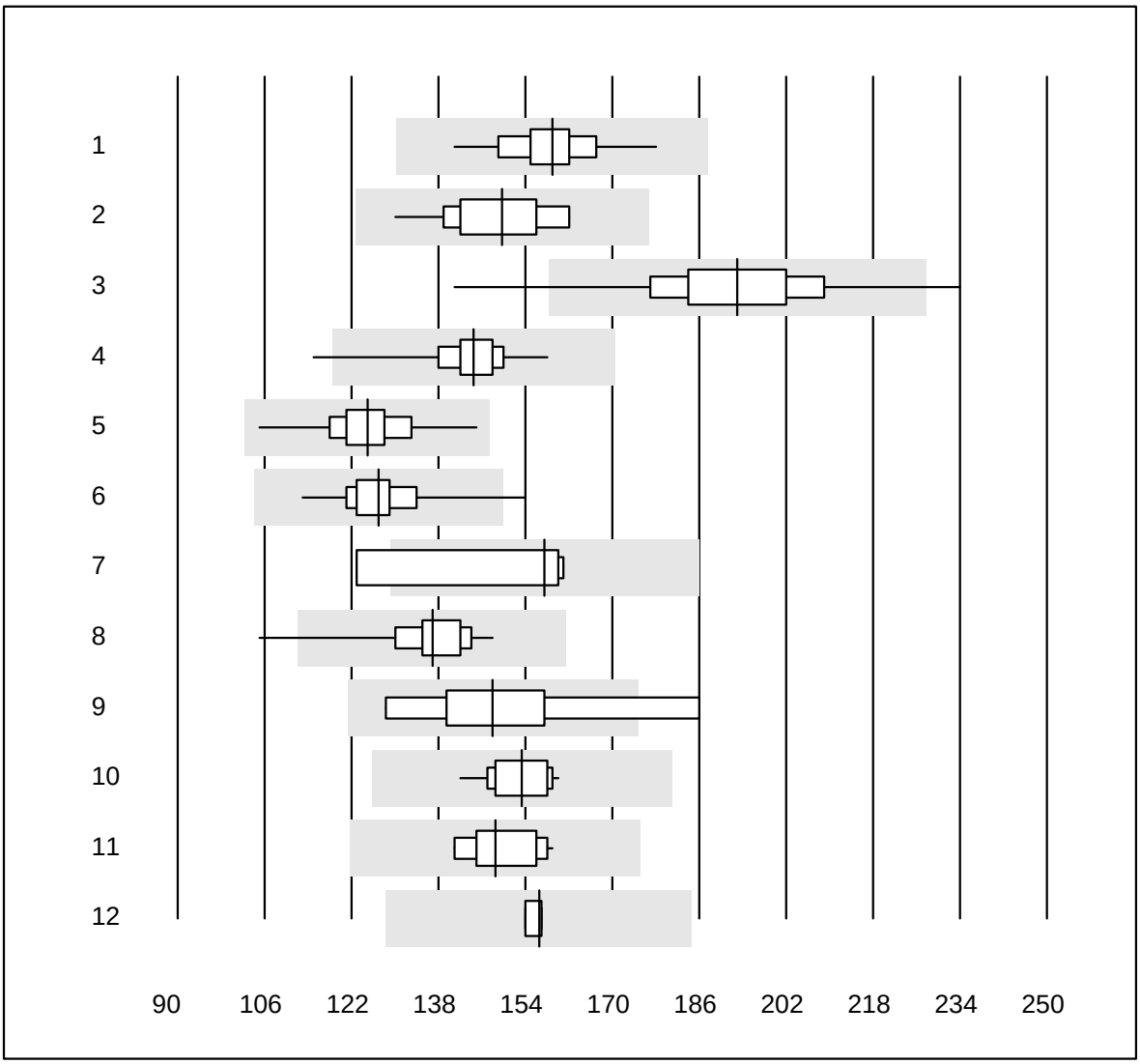
# Protein total




QUALAB tolerance : 12 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Standard chemistry | 24 | 100.0 | 0.0 | 0.0 | 54.9 | 2.9 | e |
| 2 | Cobas | 11 | 100.0 | 0.0 | 0.0 | 53.2 | 2.4 | e |
| 3 | Fuji Dri-Chem | 184 | 99.5 | 0.5 | 0.0 | 54.7 | 2.3 | e |
| 4 | Spotchem/Ready | 38 | 97.4 | 0.0 | 2.6 | 56.4 | 5.7 | e |
| 5 | Spotchem D-Concept | 69 | 91.4 | 7.2 | 1.4 | 58.5 | 6.7 | e |
| 6 | Piccolo | 25 | 100.0 | 0.0 | 0.0 | 54.2 | 1.7 | e |
| 7 | Abx Mira | 5 | 100.0 | 0.0 | 0.0 | 55.7 | 5.4 | e* |
| 8 | Hitachi S40/M40 | 7 | 85.7 | 14.3 | 0.0 | 54.0 | 6.0 | e* |
| 9 | Autolyser/DiaSys | 4 | 75.0 | 25.0 | 0.0 | 54.6 | 8.2 | e* |

# Aspartate aminotransferase

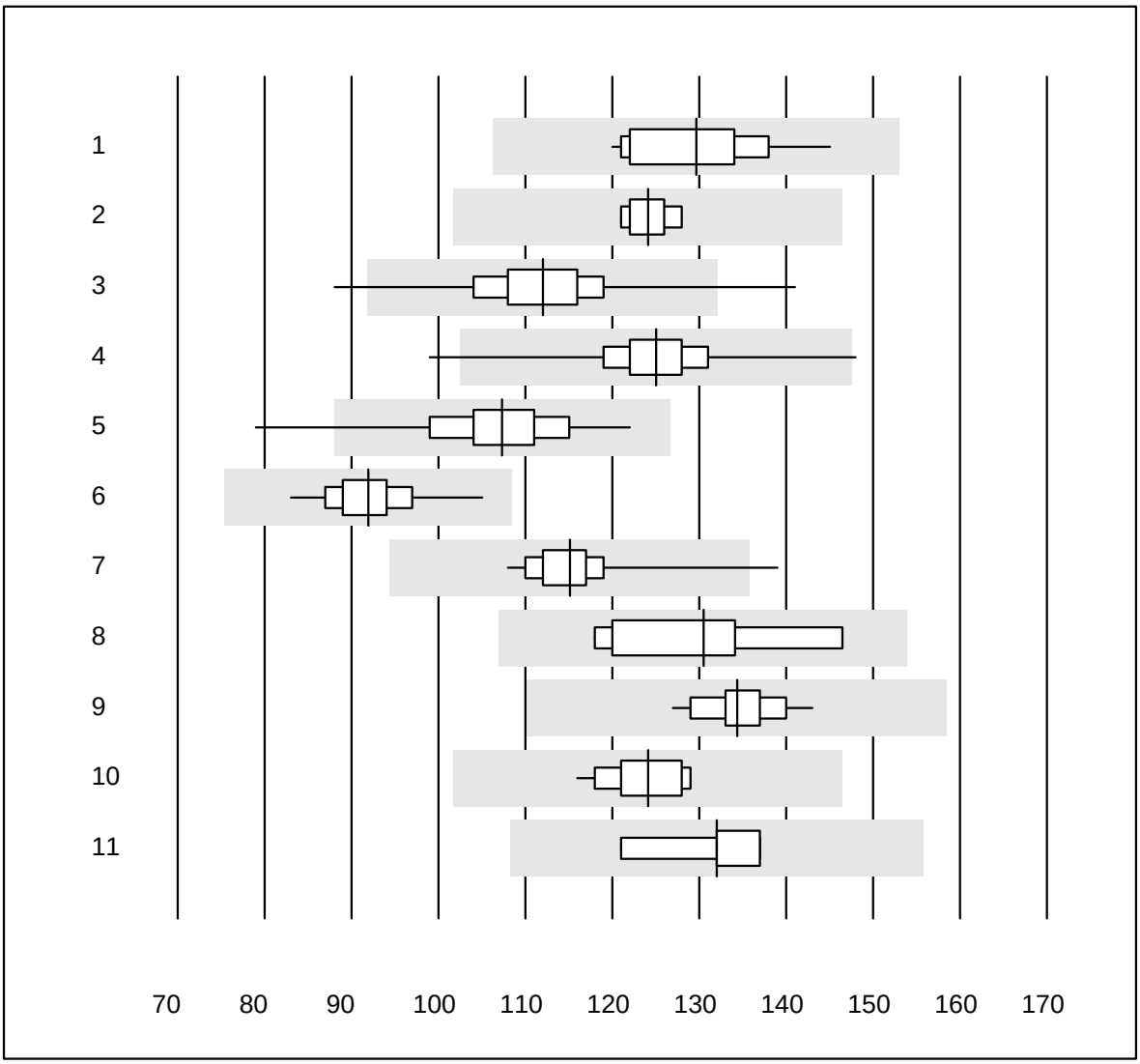



QUALAB tolerance : 18 %

Aspartate aminotransferase (U/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | IFCC with PP | 19 | 100.0 | 0.0 | 0.0 | 159 | 4.8 | e |
| 2 | Cobas | 16 | 100.0 | 0.0 | 0.0 | 150 | 6.3 | e |
| 3 | Reflotron | 838 | 97.1 | 2.1 | 0.8 | 193 | 7.0 | e |
| 4 | Fuji Dri-Chem | 768 | 99.5 | 0.1 | 0.4 | 145 | 3.2 | e |
| 5 | Spotchem/Ready | 147 | 99.3 | 0.0 | 0.7 | 125 | 4.8 | e |
| 6 | Spotchem D-Concept | 166 | 98.8 | 1.2 | 0.0 | 127 | 4.6 | e |
| 7 | IFCC without PP | 4 | 75.0 | 25.0 | 0.0 | 158 | 12.0 | e* |
| 8 | Piccolo | 34 | 97.1 | 2.9 | 0.0 | 137 | 6.1 | e |
| 9 | Abx Mira | 9 | 88.9 | 11.1 | 0.0 | 148 | 11.5 | e* |
| 10 | Hitachi S40/M40 | 20 | 100.0 | 0.0 | 0.0 | 153 | 3.2 | e |
| 11 | Autolyser/DiaSys | 14 | 100.0 | 0.0 | 0.0 | 148 | 4.4 | e |
| 12 | Other methods | 4 | 100.0 | 0.0 | 0.0 | 157 | 0.9 | e |

# Alanine aminotransferase

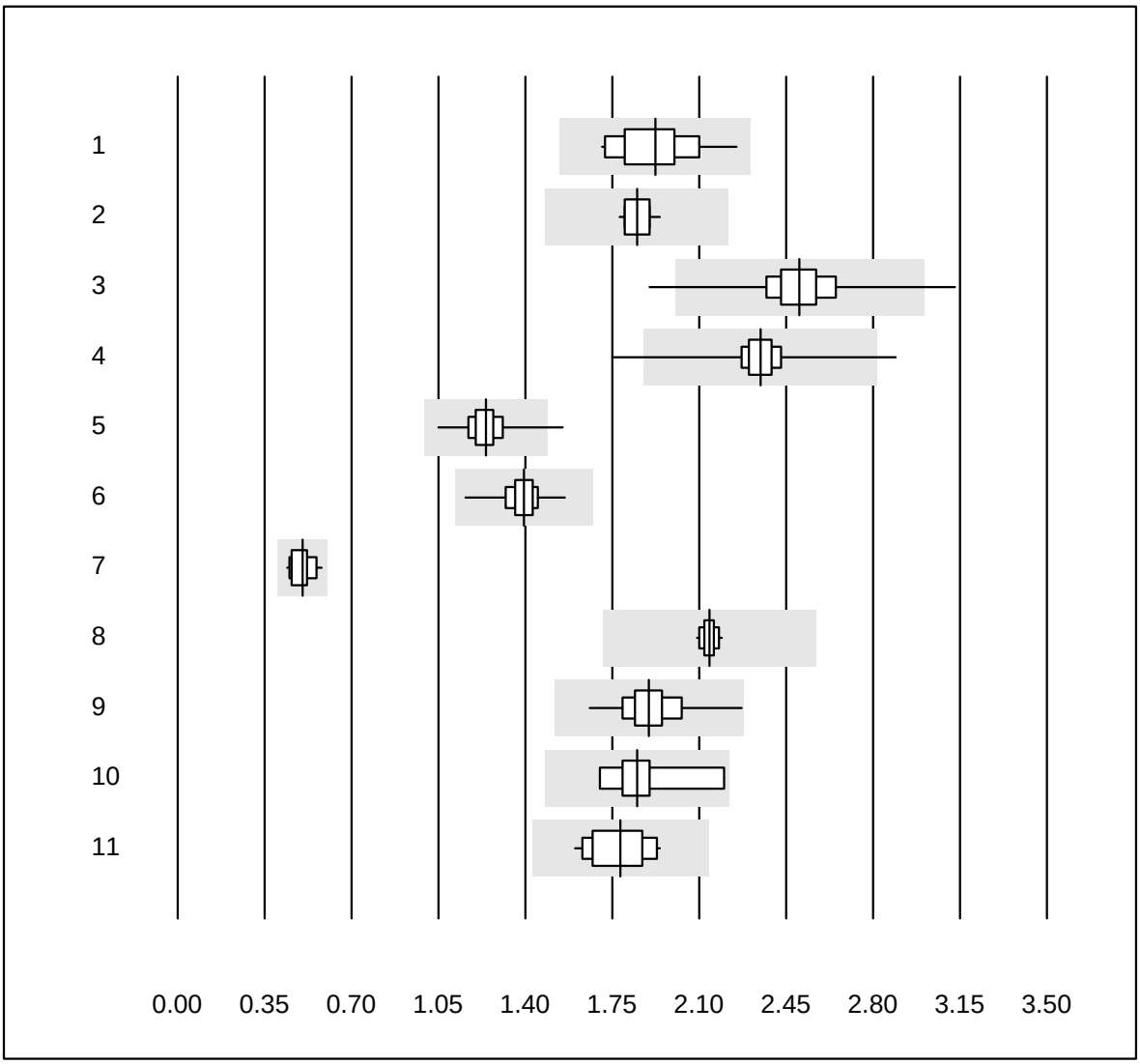



QUALAB tolerance : 18 %

Alanine aminotransferase (U/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | IFCC with PP | 20 | 100.0 | 0.0 | 0.0 | 130 | 5.7 | e |
| 2 | Cobas | 17 | 100.0 | 0.0 | 0.0 | 124 | 1.9 | e |
| 3 | Reflotron | 871 | 98.5 | 0.7 | 0.8 | 112 | 5.9 | e |
| 4 | Fuji Dri-Chem | 788 | 99.1 | 0.3 | 0.6 | 125 | 4.2 | e |
| 5 | Spotchem/Ready | 150 | 98.0 | 0.7 | 1.3 | 107 | 6.0 | e |
| 6 | Spotchem D-Concept | 171 | 99.4 | 0.0 | 0.6 | 92 | 4.5 | e |
| 7 | Piccolo | 35 | 97.1 | 2.9 | 0.0 | 115 | 4.9 | e |
| 8 | Abx Mira | 8 | 100.0 | 0.0 | 0.0 | 131 | 7.5 | e* |
| 9 | Hitachi S40/M40 | 20 | 95.0 | 0.0 | 5.0 | 134 | 2.8 | e |
| 10 | Autolyser/DiaSys | 14 | 100.0 | 0.0 | 0.0 | 124 | 3.4 | e |
| 11 | Other methods | 5 | 100.0 | 0.0 | 0.0 | 132 | 5.0 | e* |

# Triglycerides

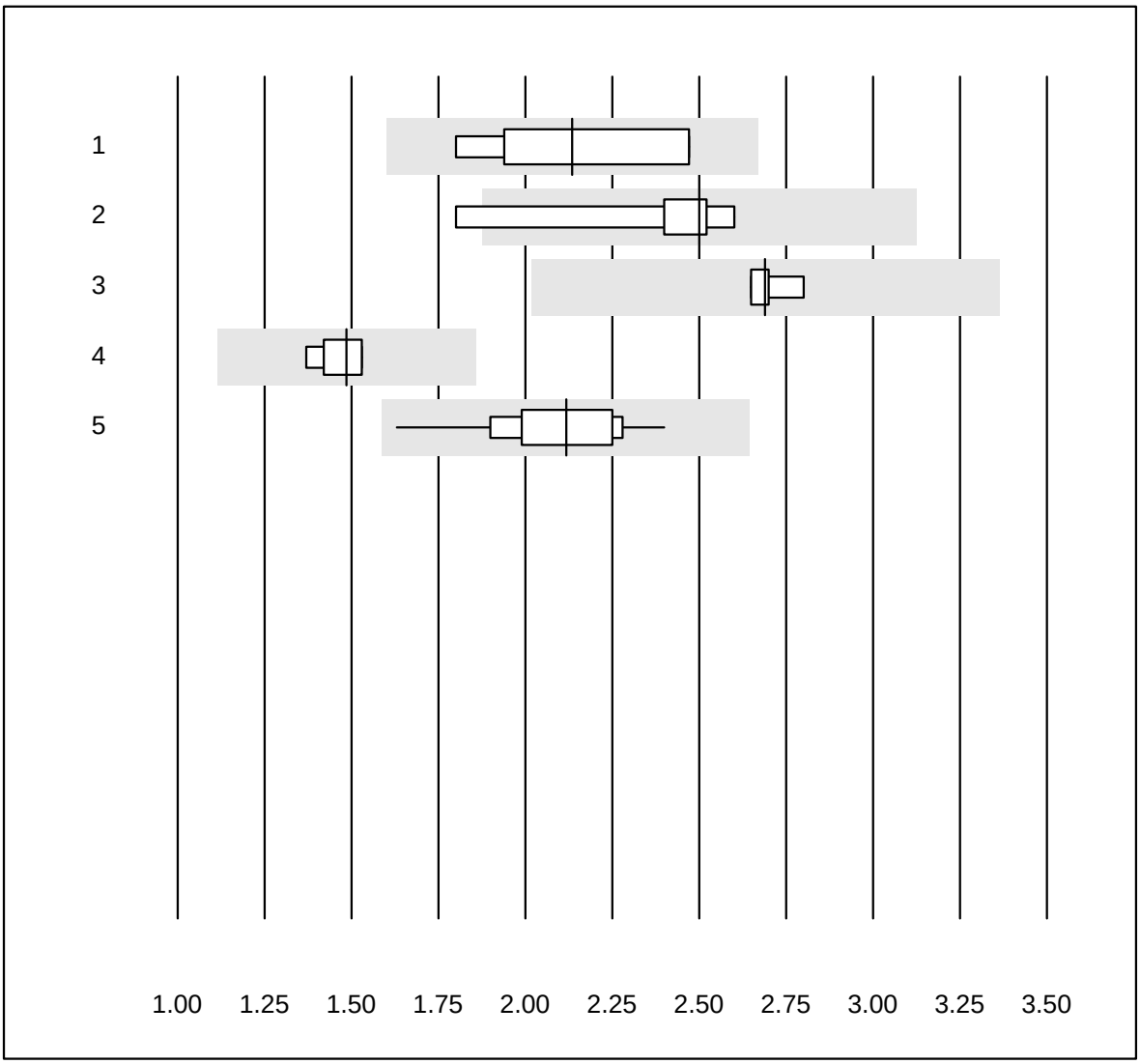



QUALAB tolerance : 20 %

Triglycerides (mmol/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Standard chemistry | 19 | 100.0 | 0.0 | 0.0 | 1.92 | 6.9 | e |
| 2 | Cobas | 16 | 100.0 | 0.0 | 0.0 | 1.85 | 2.8 | e |
| 3 | Reflotron | 607 | 97.7 | 0.8 | 1.5 | 2.50 | 5.2 | e |
| 4 | Fuji Dri-Chem | 696 | 98.6 | 0.4 | 1.0 | 2.35 | 3.4 | e |
| 5 | Spotchem/Ready | 127 | 98.4 | 1.6 | 0.0 | 1.24 | 5.5 | e |
| 6 | Spotchem D-Concept | 150 | 100.0 | 0.0 | 0.0 | 1.40 | 4.2 | e |
| 7 | Hitachi S40/M40 | 15 | 93.3 | 0.0 | 6.7 | 0.50 | 8.2 | e |
| 8 | Piccolo | 17 | 94.1 | 0.0 | 5.9 | 2.14 | 1.4 | e |
| 9 | Cholestech LDX | 190 | 99.5 | 0.0 | 0.5 | 1.90 | 5.1 | e |
| 10 | Abx Mira | 9 | 100.0 | 0.0 | 0.0 | 1.85 | 7.9 | e* |
| 11 | Autolyser/DiaSys | 13 | 100.0 | 0.0 | 0.0 | 1.78 | 6.4 | e |

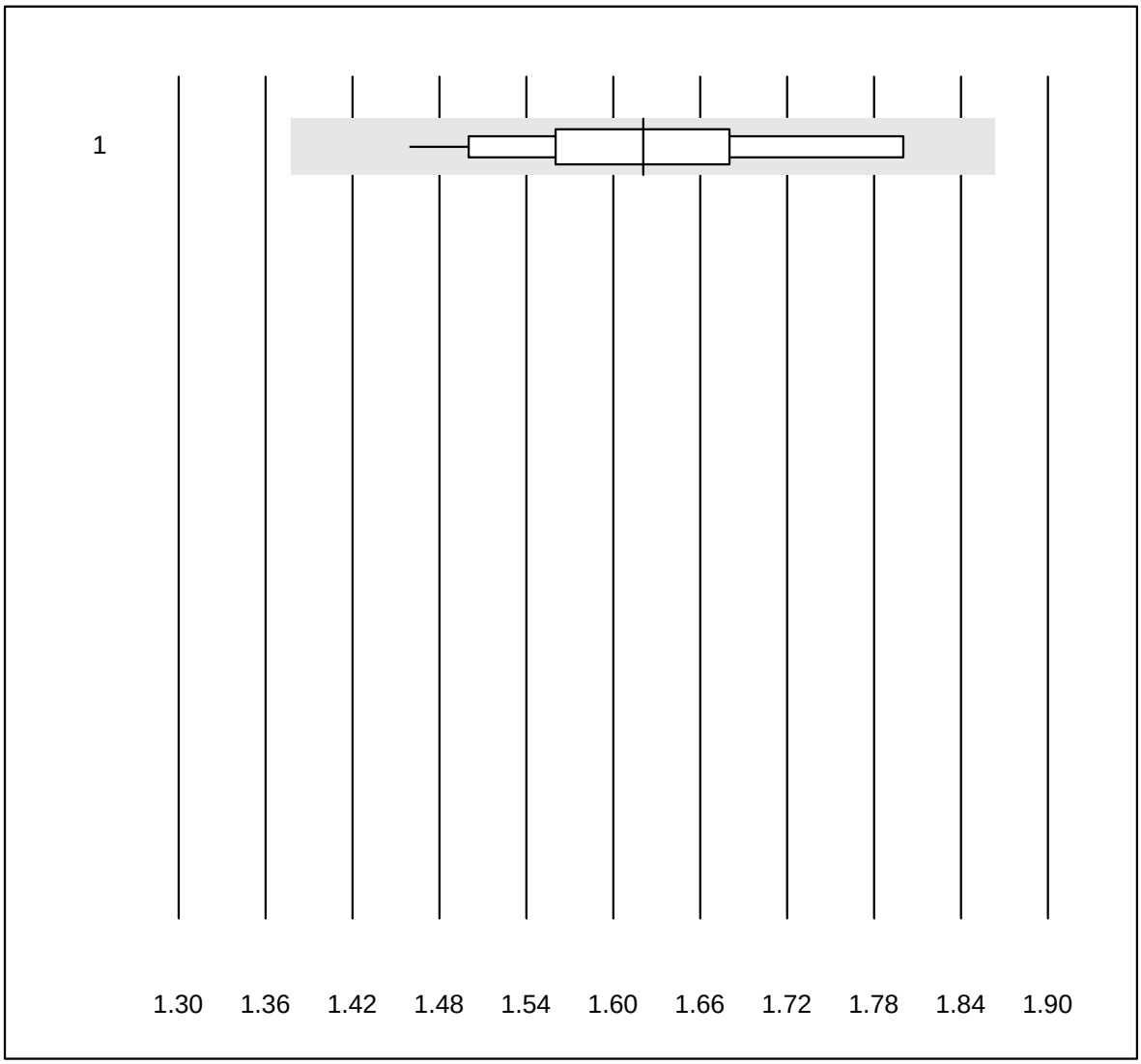
# LDL Cholesterin




QUALAB tolerance : 25 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Abx Mira | 6 | 100.0 | 0.0 | 0.0 | 2.1 | 13.4 | e* |
| 2 | Standard chemistry | 6 | 83.3 | 16.7 | 0.0 | 2.5 | 12.3 | e* |
| 3 | Roche, Cobas | 4 | 100.0 | 0.0 | 0.0 | 2.7 | 2.4 | e |
| 4 | Hitachi S40/M40 | 8 | 87.5 | 0.0 | 12.5 | 1.5 | 4.0 | e |
| 5 | Autolyser/DiaSys | 12 | 100.0 | 0.0 | 0.0 | 2.1 | 9.7 | e |

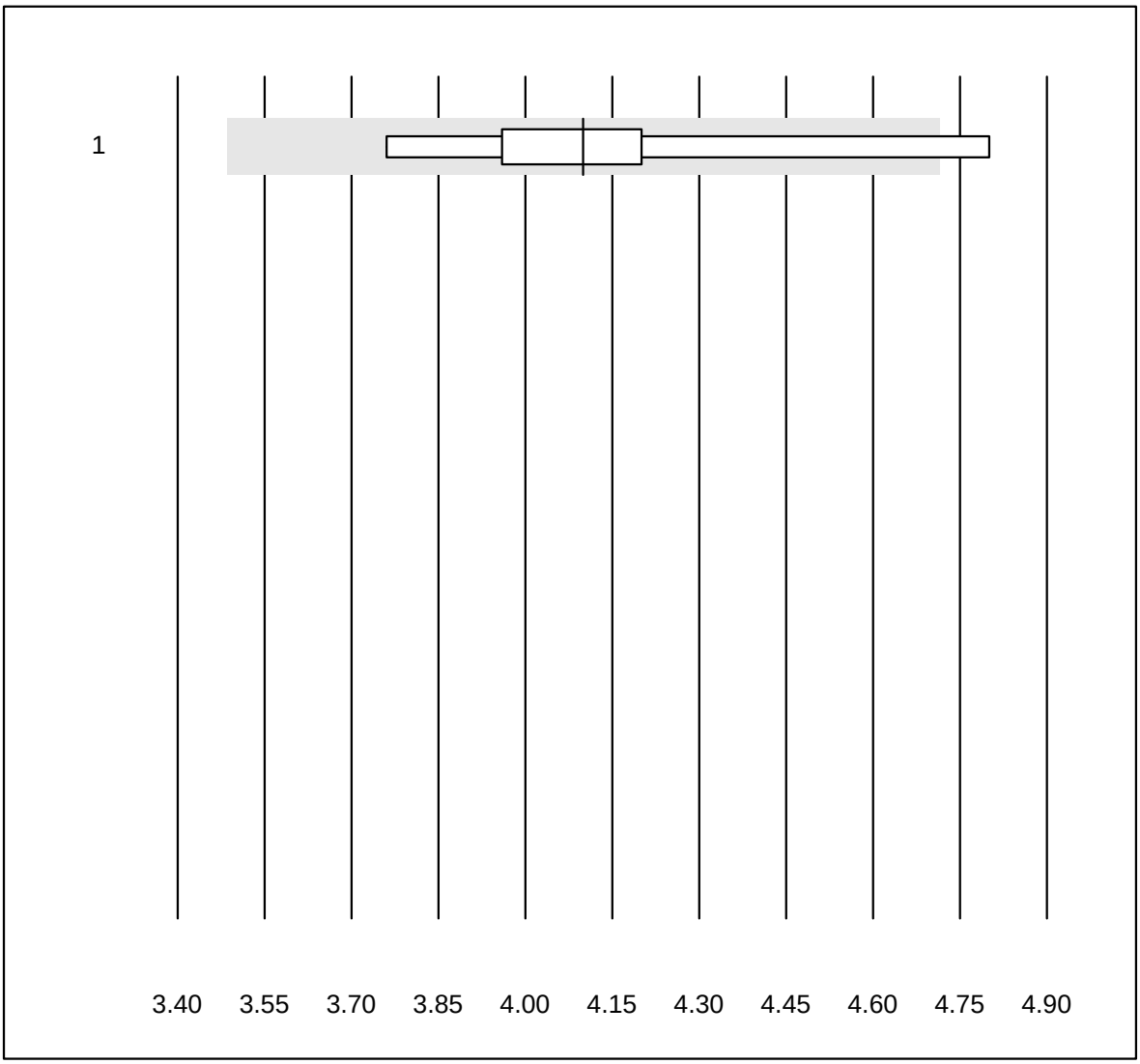
# Lithium




QUALAB tolerance : 15 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | all Participants | 14 | 100.0 | 0.0 | 0.0 | 1.62 | 6.2 | e |

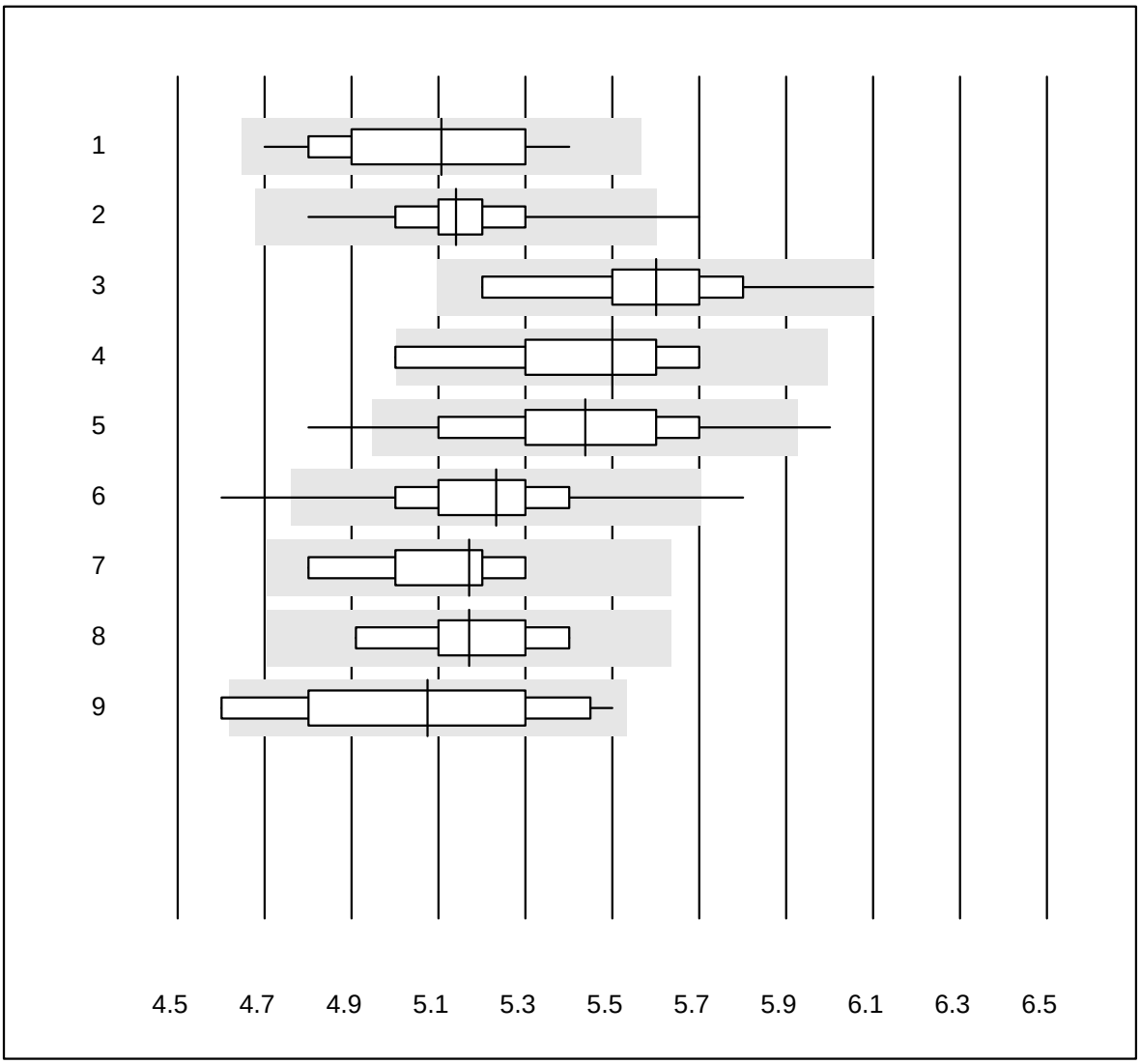
# Lactate




QUALAB tolerance : 15 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | all Participants | 7 | 85.7 | 14.3 | 0.0 | 4.10 | 7.7 | e* |

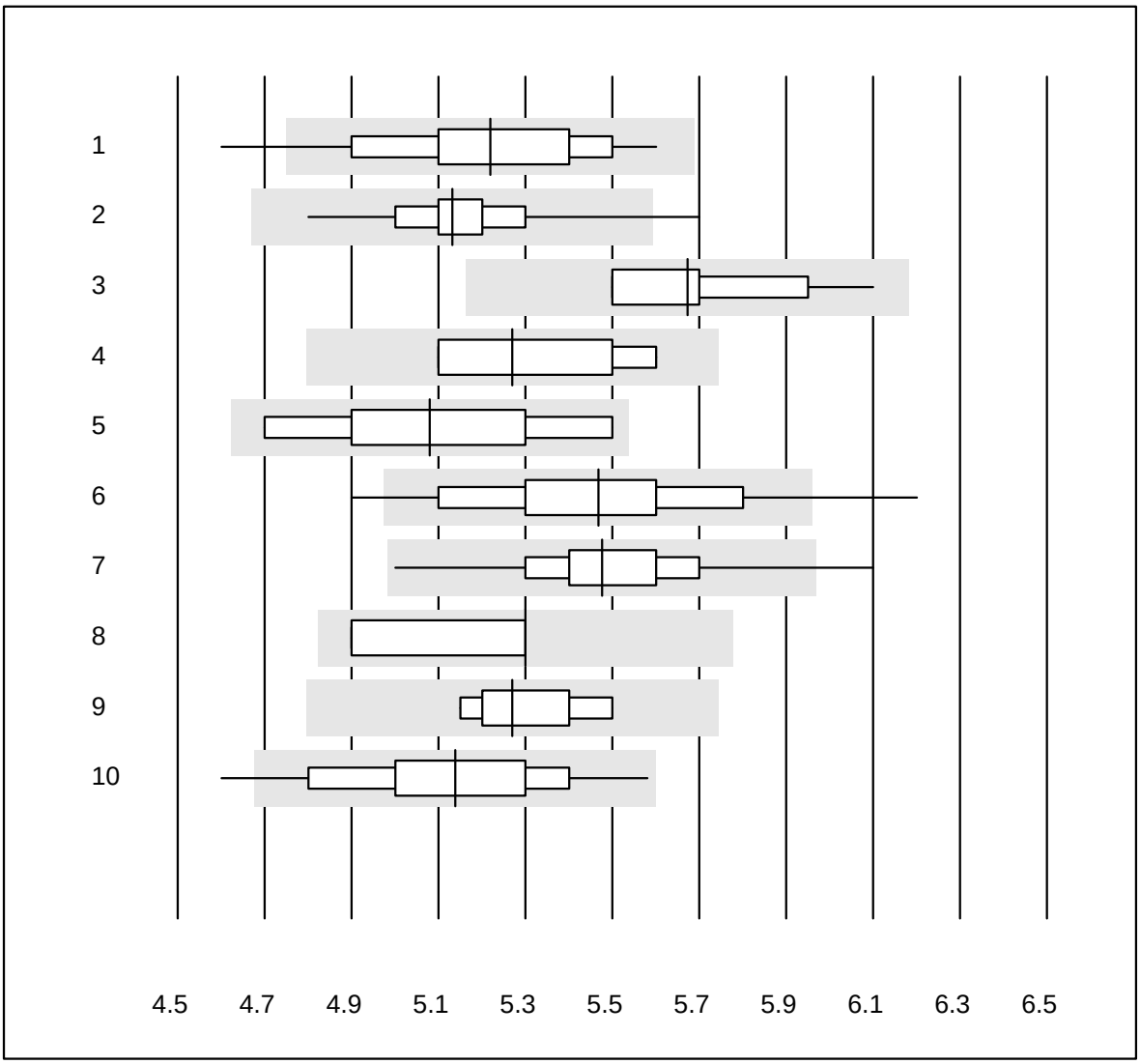
# HbA1c sample A




QUALAB tolerance : 9 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Cobas b101 | 34 | 100.0 | 0.0 | 0.0 | 5.1 | 3.8 | e |
| 2 | Afinion | 665 | 98.7 | 1.1 | 0.2 | 5.1 | 2.7 | e |
| 3 | Eurolyser | 16 | 100.0 | 0.0 | 0.0 | 5.6 | 3.9 | e |
| 4 | Hemocue HbA1c 501 | 8 | 87.5 | 12.5 | 0.0 | 5.5 | 4.3 | e* |
| 5 | NycoCard | 74 | 81.0 | 4.1 | 14.9 | 5.4 | 4.6 | e |
| 6 | DCA2000/Vantage | 204 | 97.5 | 2.0 | 0.5 | 5.2 | 3.5 | e |
| 7 | Others | 8 | 100.0 | 0.0 | 0.0 | 5.2 | 3.2 | a |
| 8 | HPLC | 6 | 100.0 | 0.0 | 0.0 | 5.2 | 3.3 | a |
| 9 | Roche, Cobas | 18 | 88.9 | 11.1 | 0.0 | 5.1 | 5.7 | e* |

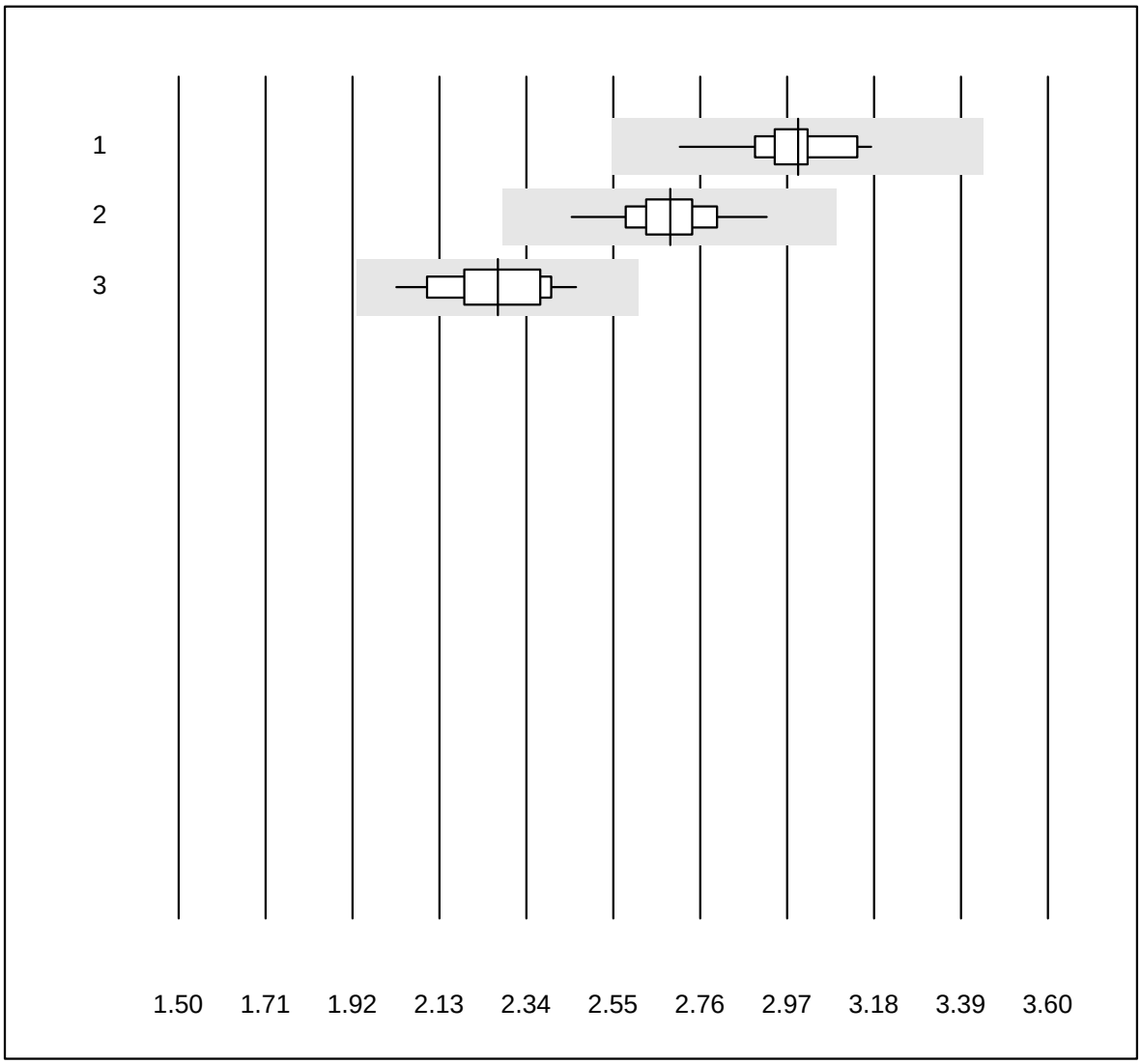
# HbA1c sample B




QUALAB tolerance : 9 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Cobas b101 | 32 | 96.9 | 3.1 | 0.0 | 5.2 | 4.4 | e |
| 2 | Afinion | 579 | 98.7 | 1.0 | 0.3 | 5.1 | 2.5 | e |
| 3 | Eurolyser | 20 | 100.0 | 0.0 | 0.0 | 5.7 | 3.2 | e |
| 4 | A1c Now | 4 | 100.0 | 0.0 | 0.0 | 5.3 | 4.9 | a |
| 5 | Hemocue HbA1c 501 | 11 | 90.9 | 0.0 | 9.1 | 5.1 | 5.3 | e* |
| 6 | NycoCard | 73 | 89.1 | 6.8 | 4.1 | 5.5 | 5.1 | e |
| 7 | DCA2000/Vantage | 225 | 98.2 | 0.9 | 0.9 | 5.5 | 3.2 | e |
| 8 | Others | 4 | 100.0 | 0.0 | 0.0 | 5.3 | 3.8 | e* |
| 9 | HPLC | 5 | 100.0 | 0.0 | 0.0 | 5.3 | 2.8 | a |
| 10 | Roche, Cobas | 13 | 92.3 | 7.7 | 0.0 | 5.1 | 5.2 | e* |

# pCO2

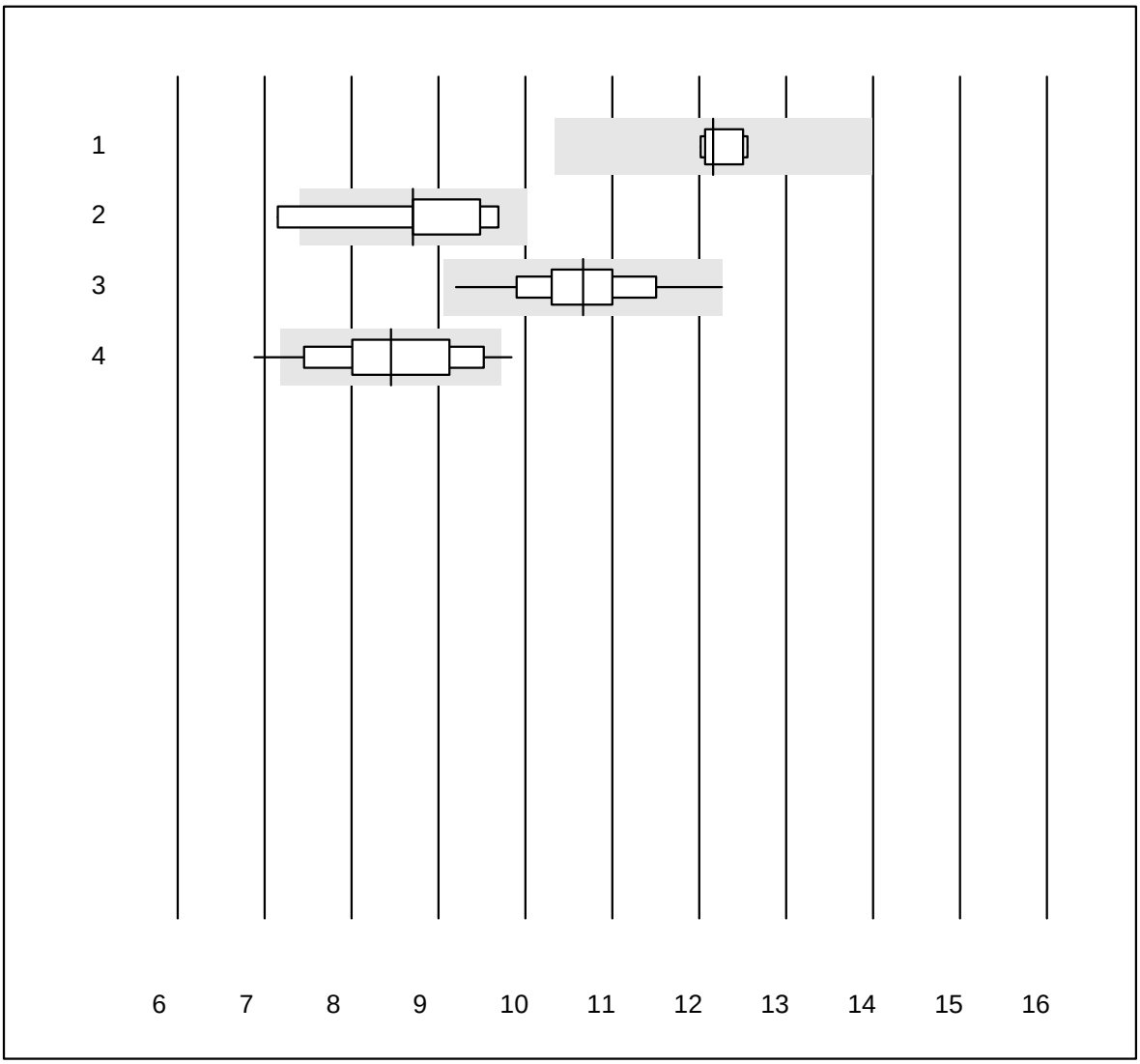



QUALAB tolerance : 15 %

pCO2 (kPa)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Cobas b121/123/221 | 16 | 100.0 | 0.0 | 0.0 | 3.00 | 3.8 | e |
| 2 | iStat | 36 | 100.0 | 0.0 | 0.0 | 2.69 | 3.6 | e |
| 3 | EPOC | 24 | 91.7 | 0.0 | 8.3 | 2.27 | 5.4 | e |

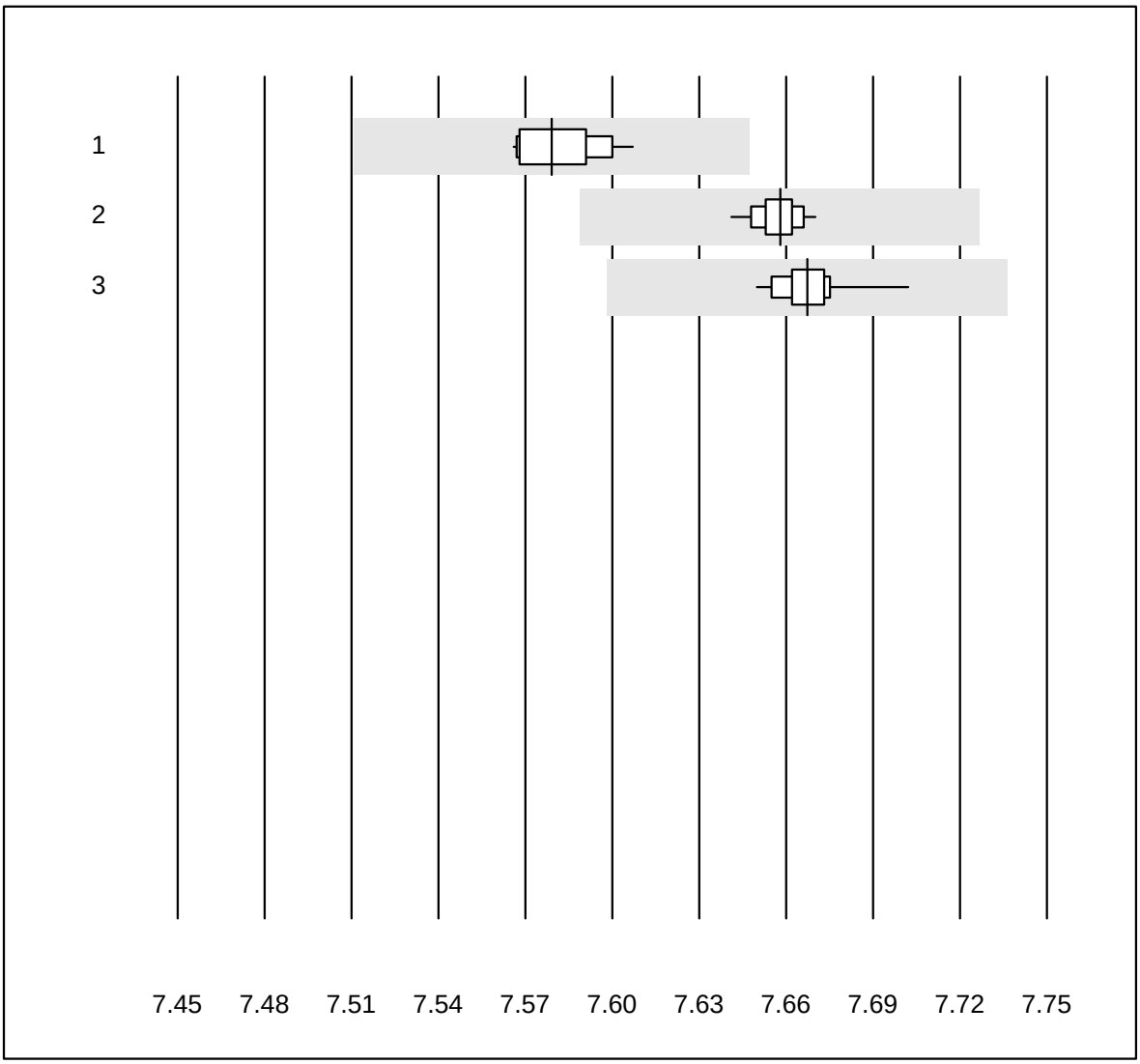
# pO2




QUALAB tolerance : 15 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Cobas b221 | 6 | 100.0 | 0.0 | 0.0 | 12.16 | 1.9 | e |
| 2 | Cobas b121/123 | 7 | 57.1 | 14.3 | 28.6 | 8.71 | 11.3 | e* |
| 3 | iStat | 36 | 97.2 | 0.0 | 2.8 | 10.67 | 6.2 | e |
| 4 | EPOC | 24 | 75.0 | 12.5 | 12.5 | 8.46 | 9.7 | e* |

# pH

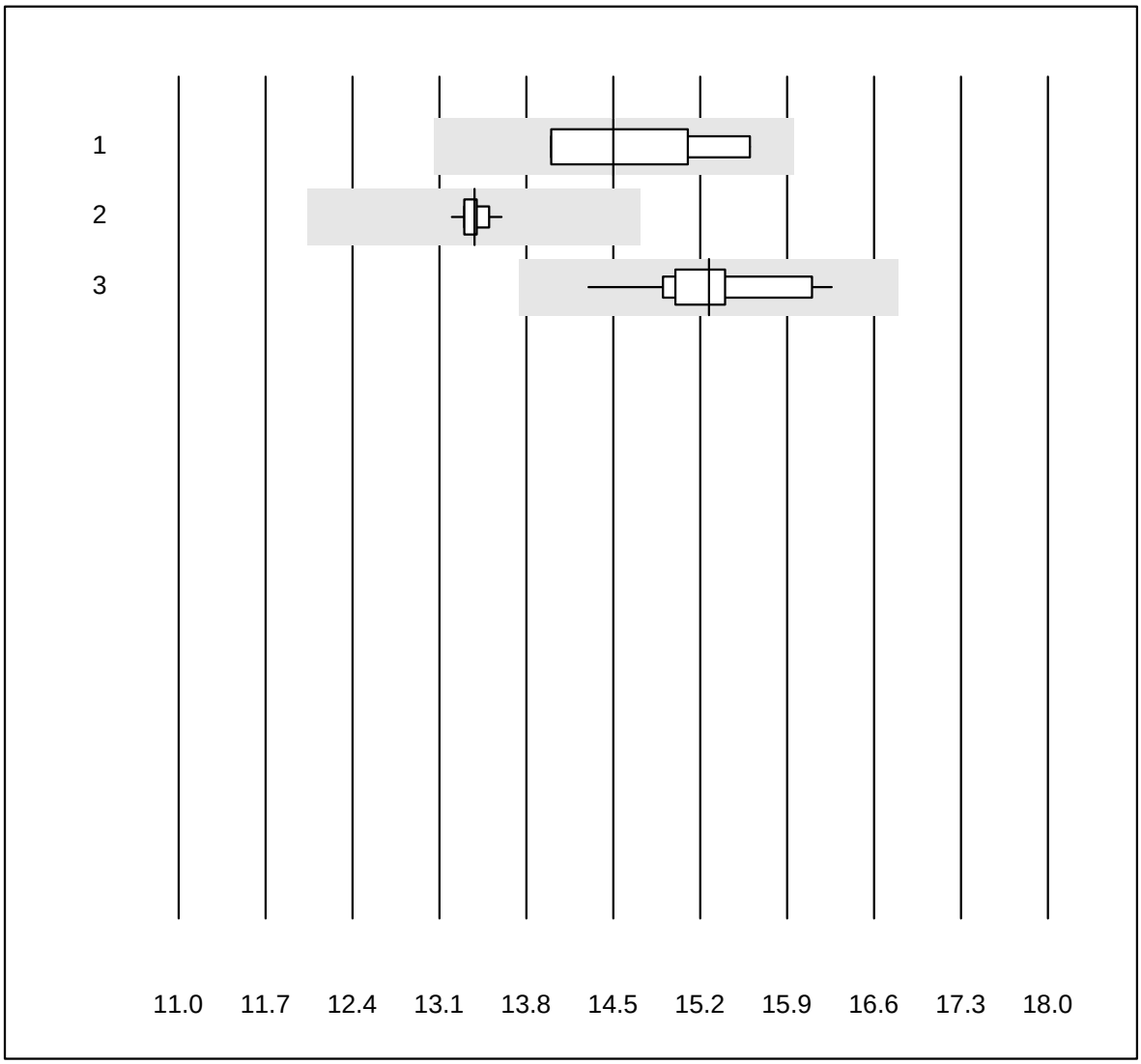



QUALAB tolerance : 1 %

pH ()

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Cobas b121/123/221 | 15 | 100.0 | 0.0 | 0.0 | 7.58 | 0.2 | e |
| 2 | iStat | 36 | 100.0 | 0.0 | 0.0 | 7.66 | 0.1 | e |
| 3 | EPOC | 24 | 95.8 | 0.0 | 4.2 | 7.67 | 0.1 | e |

# Glucose BG

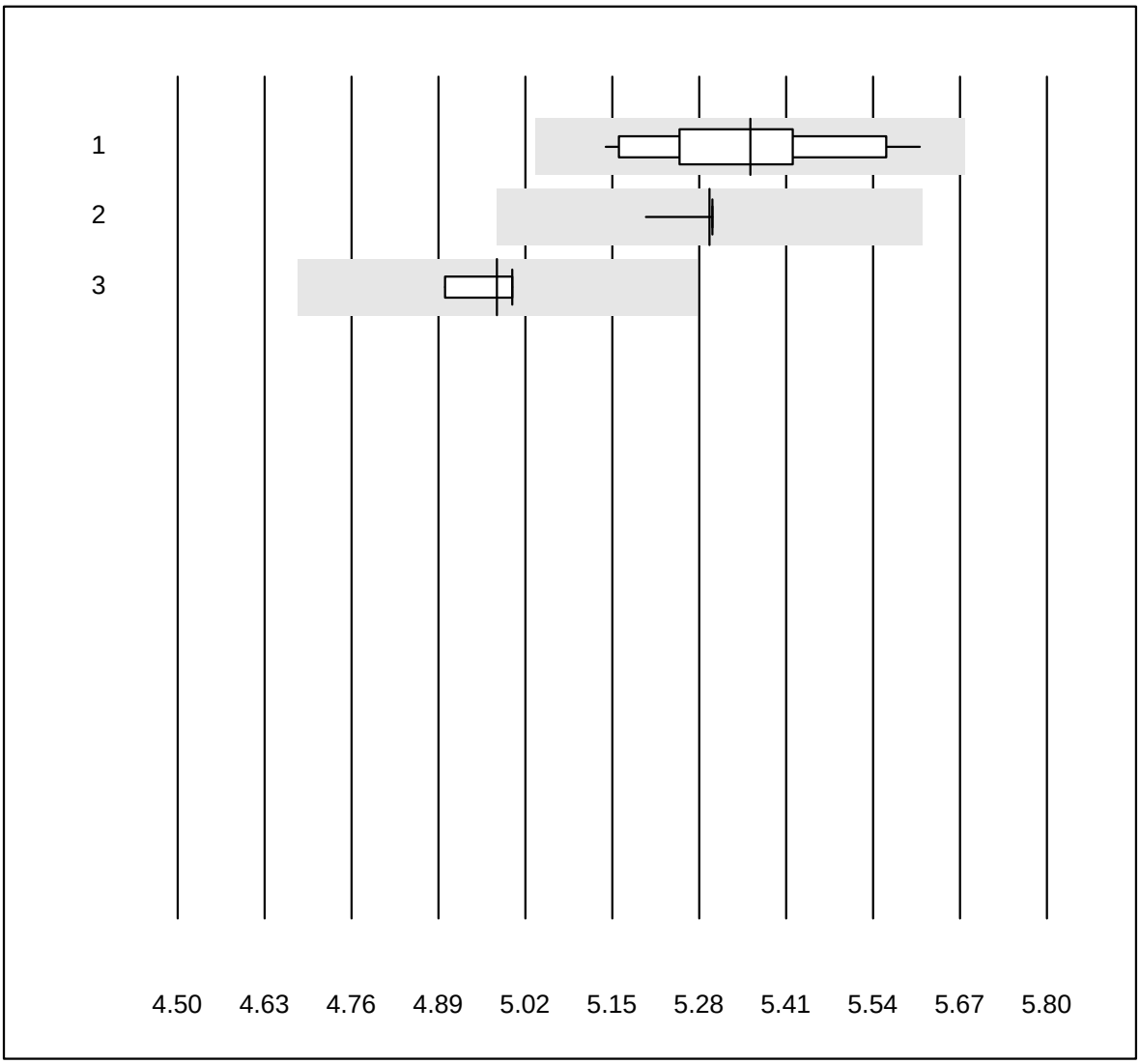



QUALAB tolerance : 10 %

Glucose BG (mmol/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Cobas b121/123/221 | 8 | 87.5 | 0.0 | 12.5 | 14.5 | 4.1 | e* |
| 2 | iStat | 11 | 100.0 | 0.0 | 0.0 | 13.4 | 0.8 | e |
| 3 | EPOC | 16 | 93.7 | 0.0 | 6.3 | 15.3 | 3.2 | e |

# Potassium BG

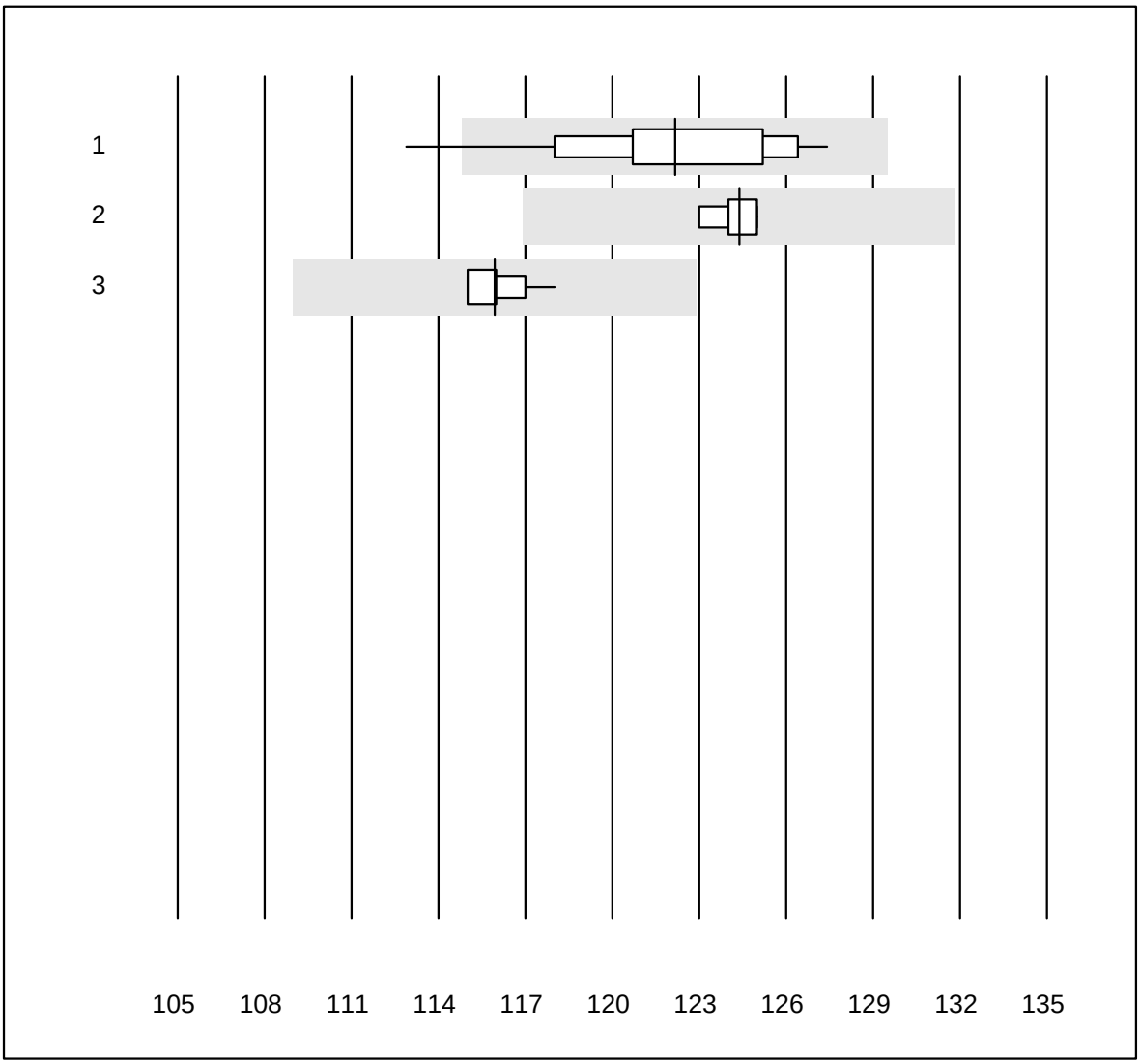



QUALAB tolerance : 6 %

Potassium BG (mmol/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Cobas b121/123/221 | 15 | 100.0 | 0.0 | 0.0 | 5.4 | 2.5 | e |
| 2 | iStat | 21 | 100.0 | 0.0 | 0.0 | 5.3 | 0.4 | e |
| 3 | EPOC | 19 | 94.7 | 0.0 | 5.3 | 5.0 | 0.9 | e |

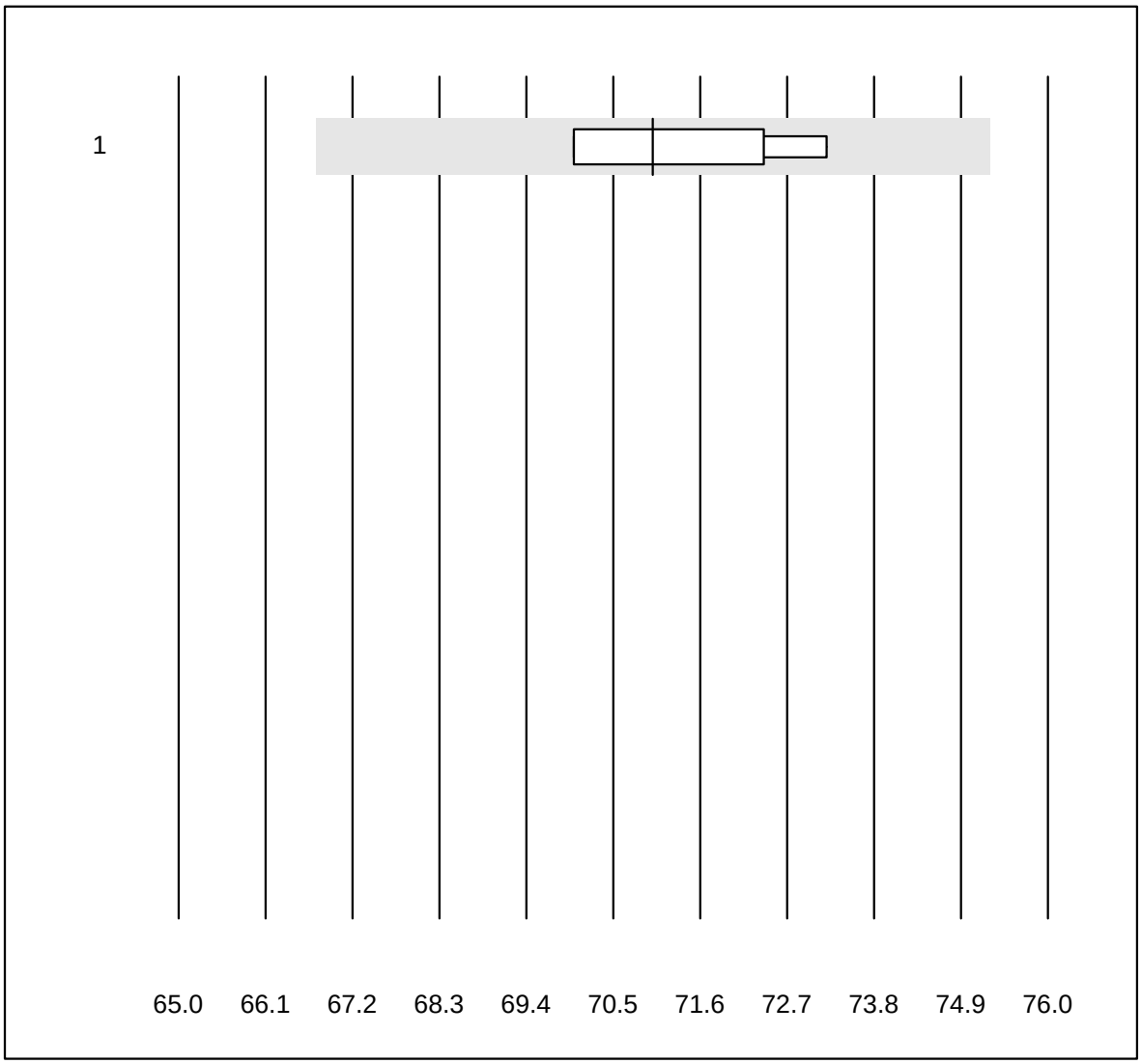
# Sodium BG




QUALAB tolerance : 6 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Cobas b121/123/221 | 16 | 93.7 | 6.3 | 0.0 | 122.2 | 3.0 | e* |
| 2 | iStat | 21 | 100.0 | 0.0 | 0.0 | 124.4 | 0.6 | e |
| 3 | EPOC | 19 | 94.7 | 0.0 | 5.3 | 115.9 | 0.8 | e |

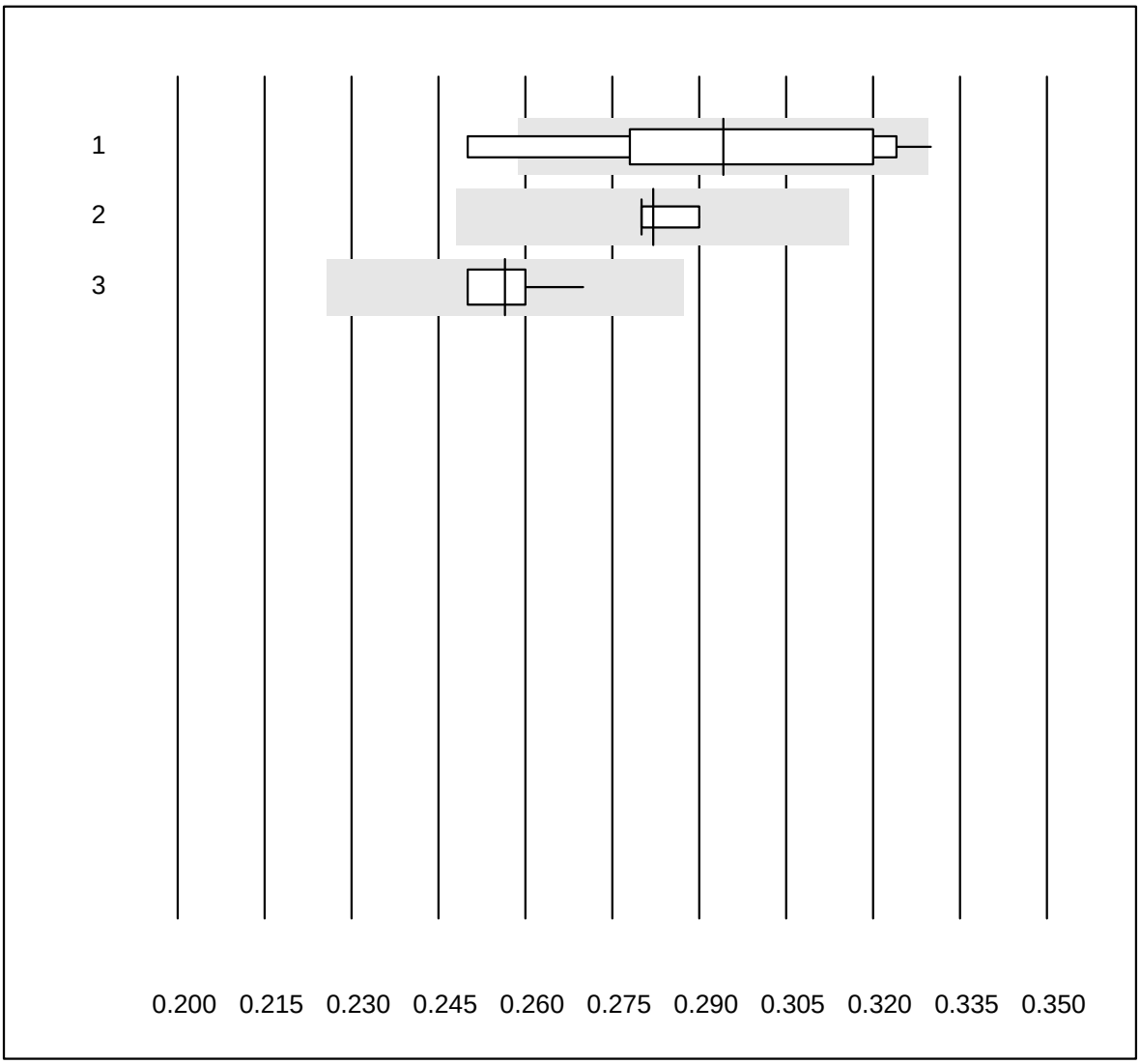
# Chlorid-BG




QUALAB tolerance : 6 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Cobas b121/123/221 | 6 | 83.3 | 0.0 | 16.7 | 71.0 | 2.0 | e* |

# Calcium-BG

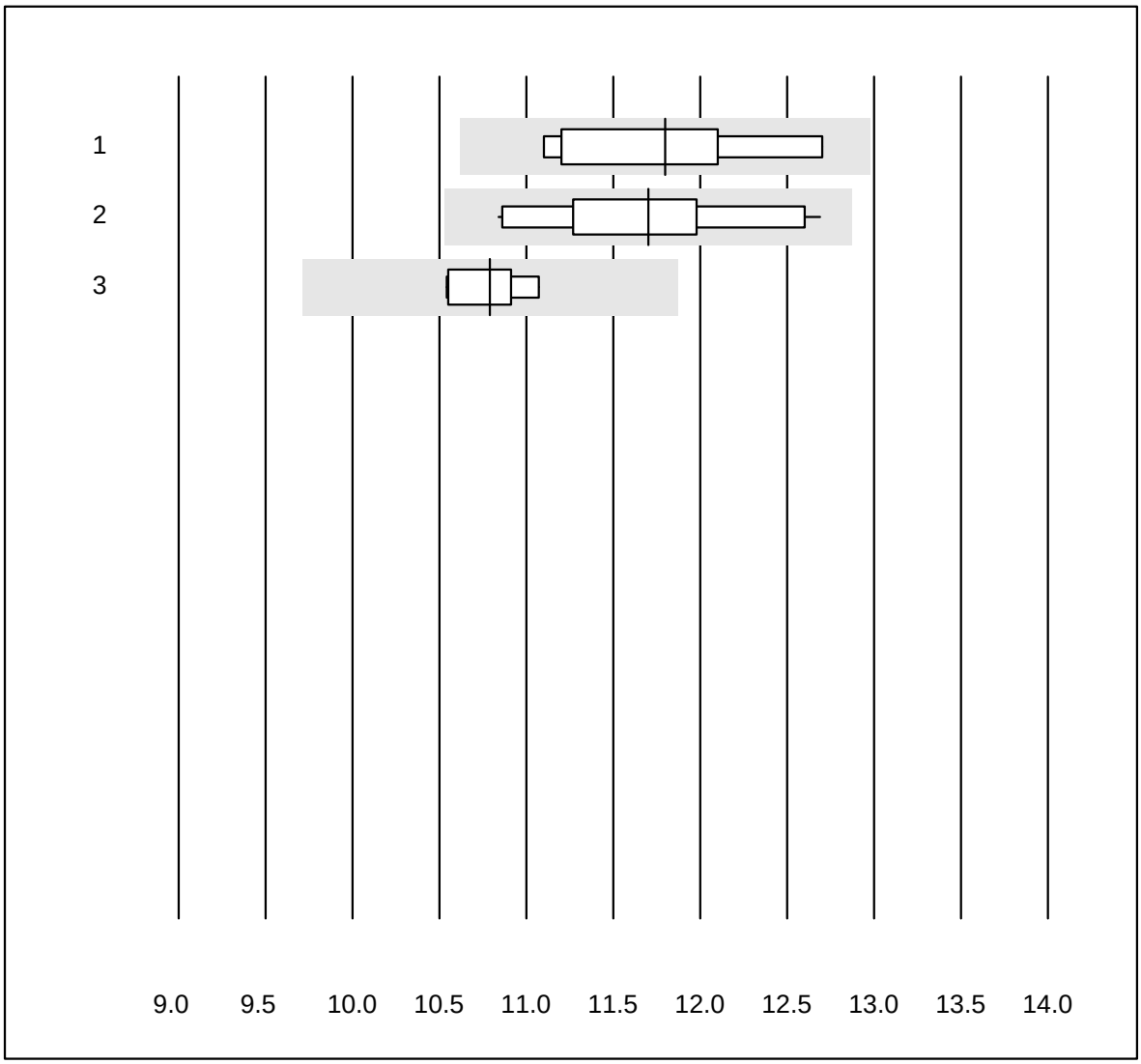



QUALAB tolerance : 12 %

Calcium-BG (mmol/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Cobas b121/123/221 | 10 | 80.0 | 20.0 | 0.0 | 0.29 | 8.7 | e* |
| 2 | iStat | 10 | 100.0 | 0.0 | 0.0 | 0.28 | 1.5 | e |
| 3 | EPOC | 18 | 94.4 | 0.0 | 5.6 | 0.26 | 2.4 | e |

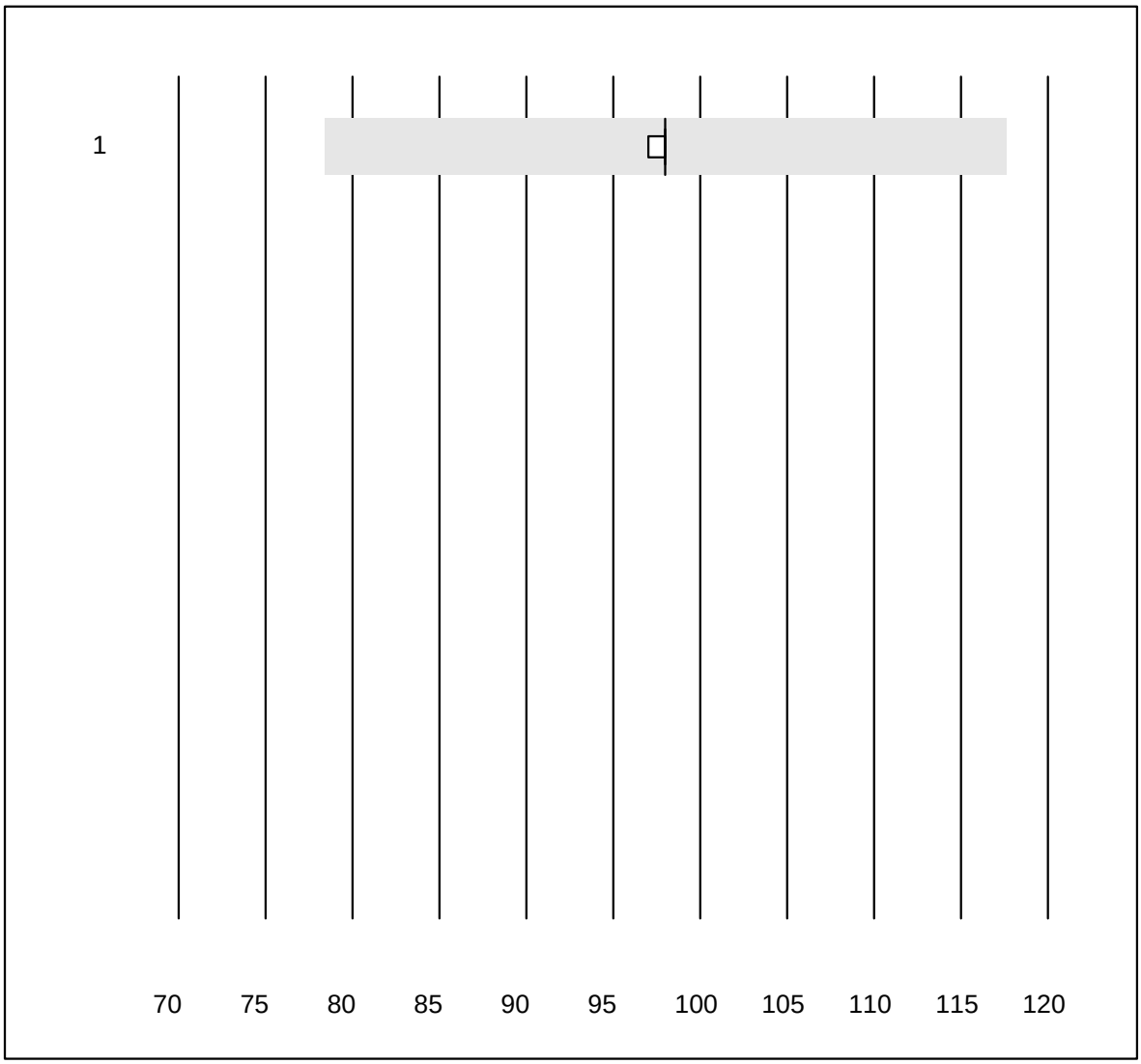
# Lactate-BG




QUALAB tolerance : 10 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Cobas b121/123/221 | 6 | 83.3 | 0.0 | 16.7 | 11.80 | 5.7 | e* |
| 2 | EPOC | 20 | 95.0 | 0.0 | 5.0 | 11.70 | 4.8 | e |
| 3 | iStat | 8 | 100.0 | 0.0 | 0.0 | 10.79 | 1.7 | e |

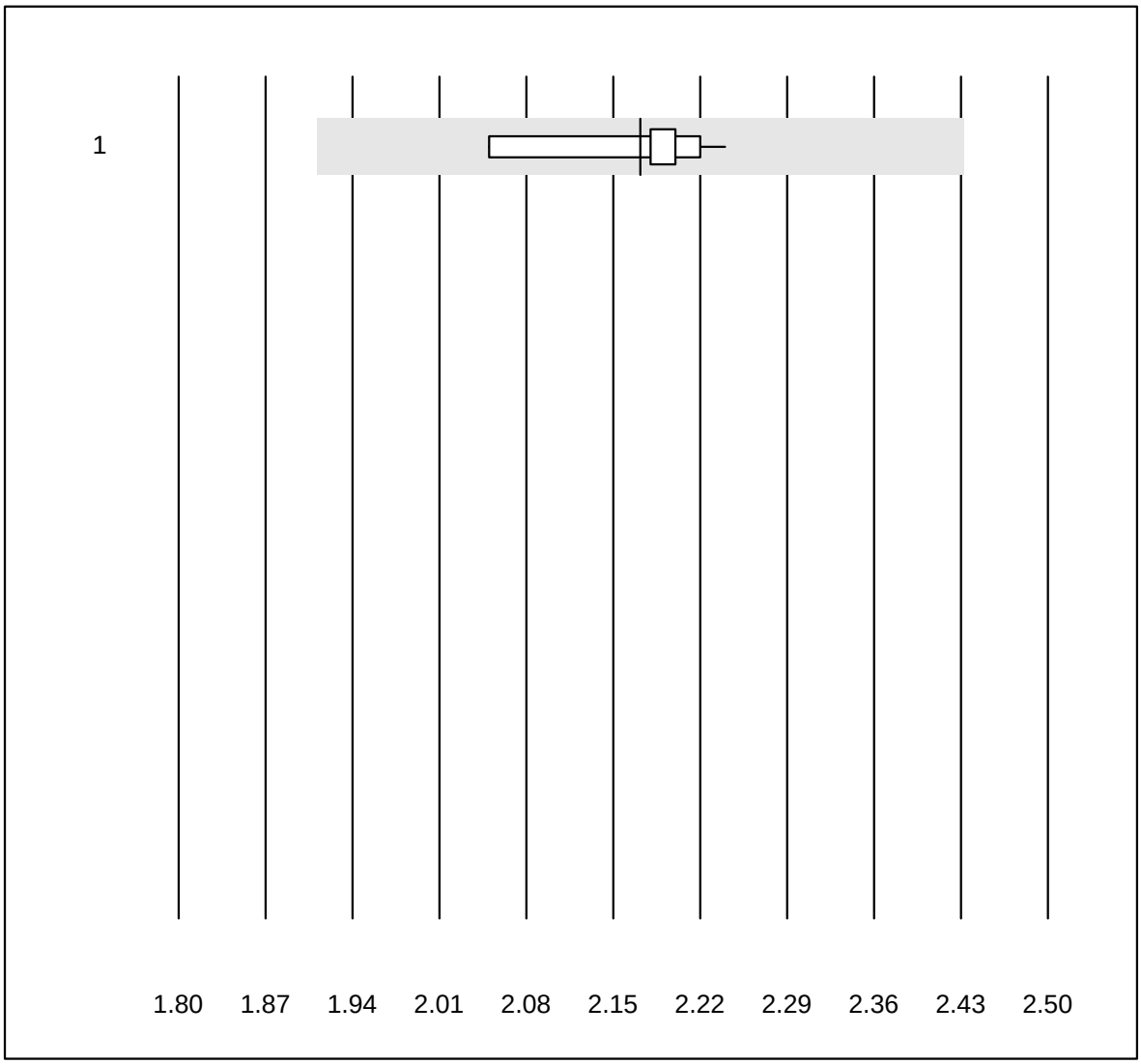
# sO2




QUALAB tolerance : 20 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | iStat | 6 | 100.0 | 0.0 | 0.0 | 98.000 | 0.4 | e |

# Calcium - Urine

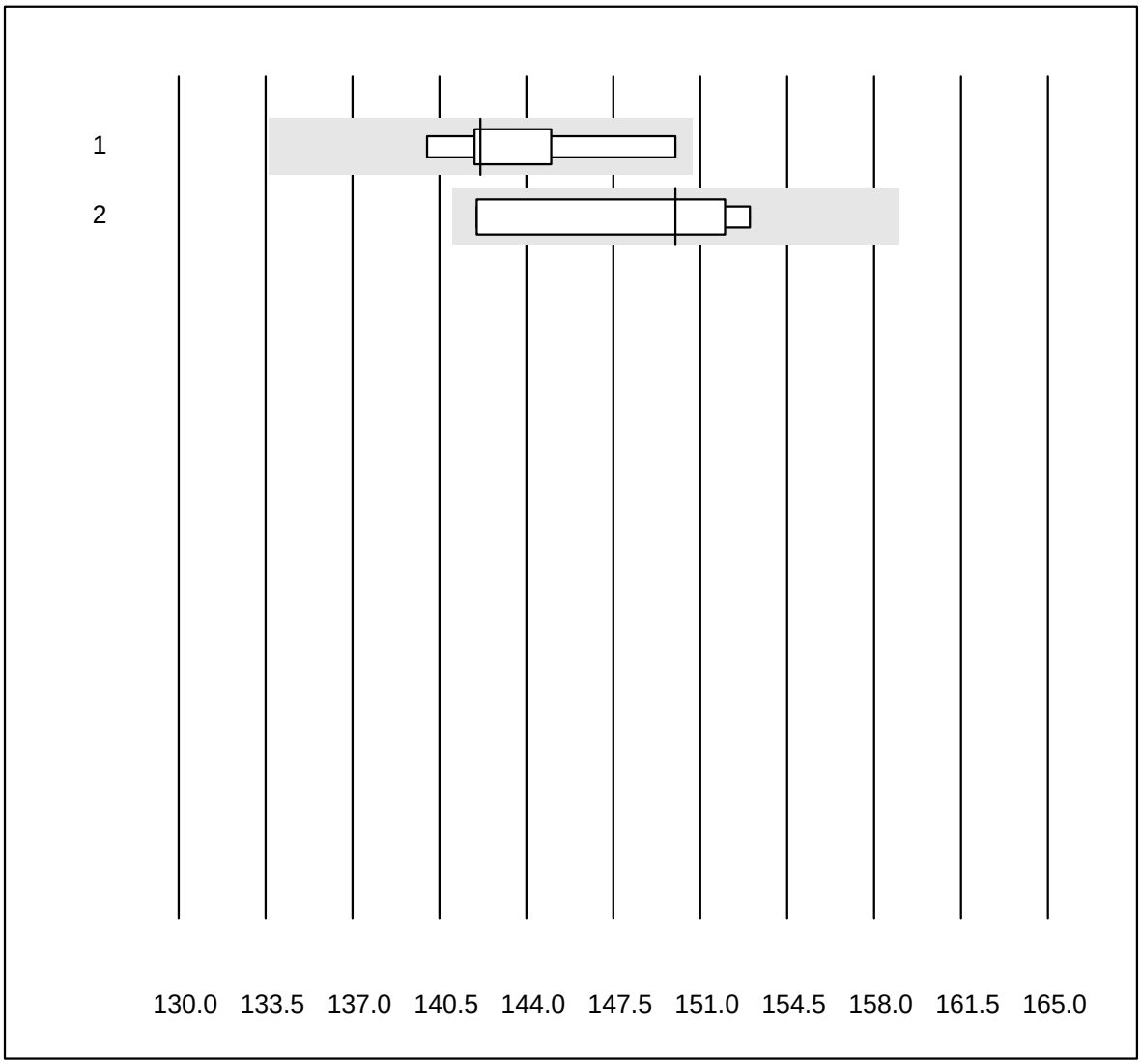



QUALAB tolerance : 12 %

Calcium - Urine (mmol/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Standard chemistry | 13 | 100.0 | 0.0 | 0.0 | 2.17 | 2.9 | e |

# Chloride - Urine

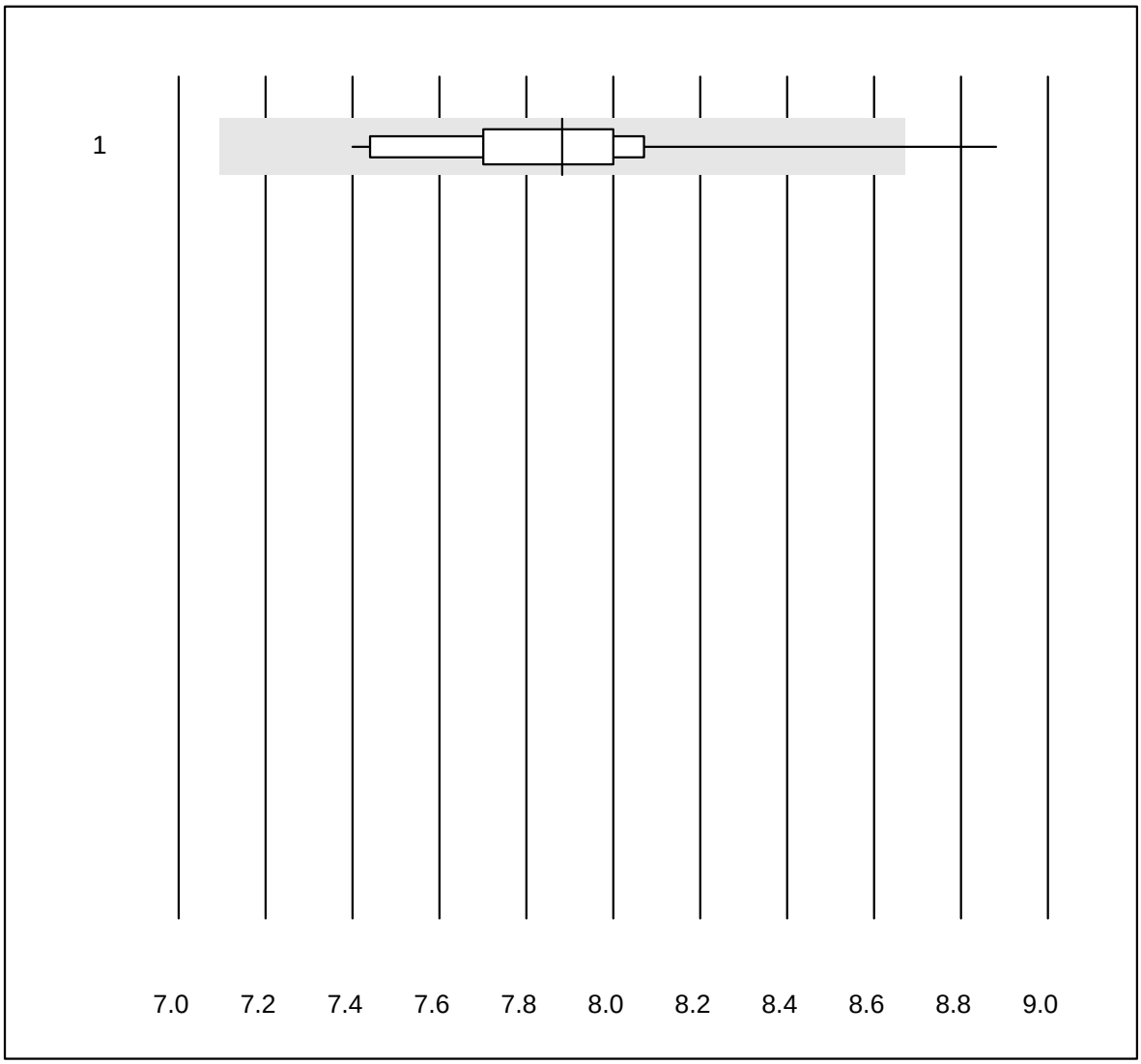



QUALAB tolerance : 6 %

Chloride - Urine (mmol/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Standard chemistry | 6 | 83.3 | 0.0 | 16.7 | 142 | 2.7 | e* |
| 2 | ISE | 4 | 100.0 | 0.0 | 0.0 | 150 | 3.4 | e* |

# Glucose - Urine

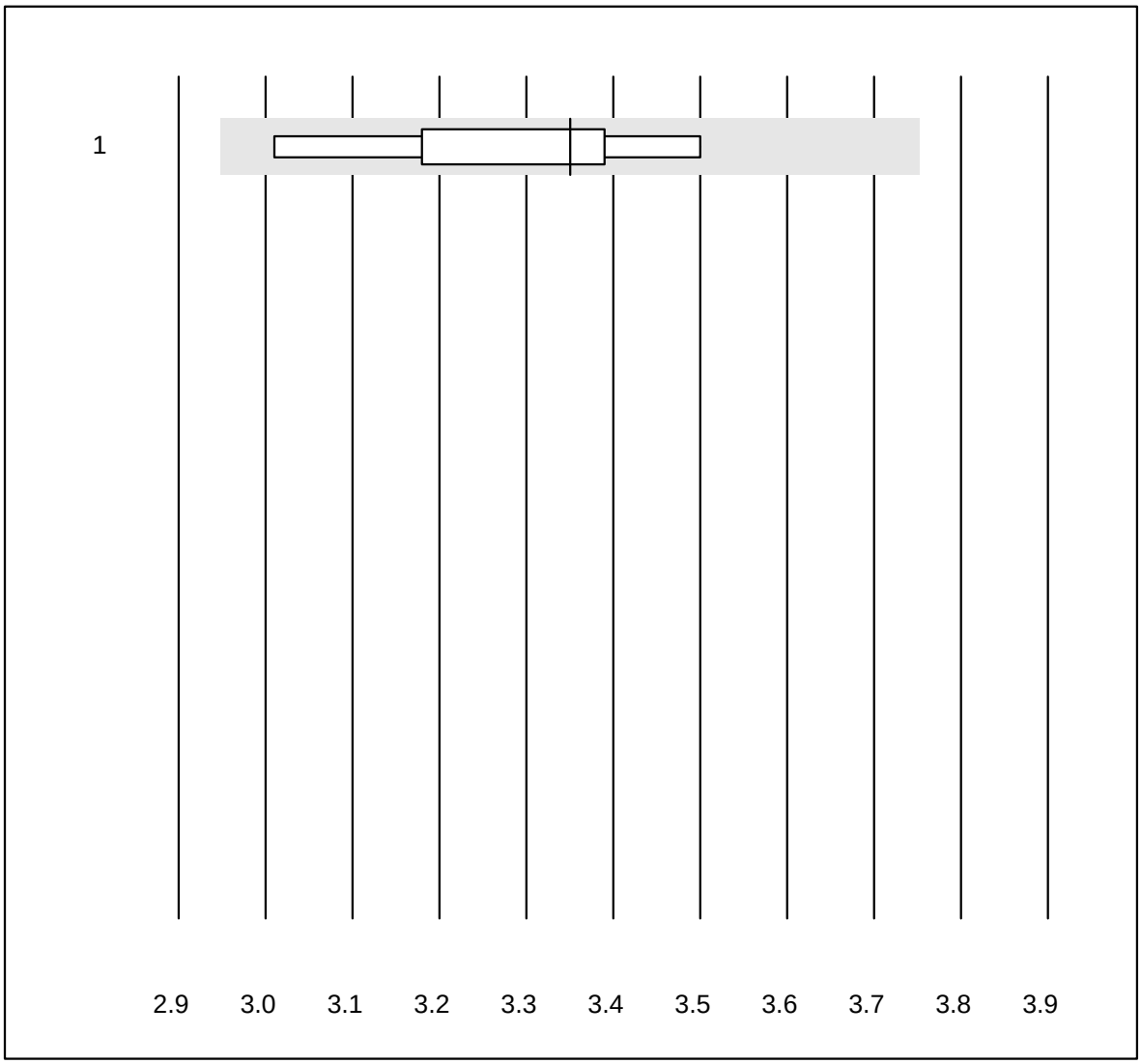



QUALAB tolerance : 10 %

Glucose - Urine (mmol/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Standard chemistry | 13 | 92.3 | 7.7 | 0.0 | 7.9 | 4.6 | e* |

# Magnesium - Urine

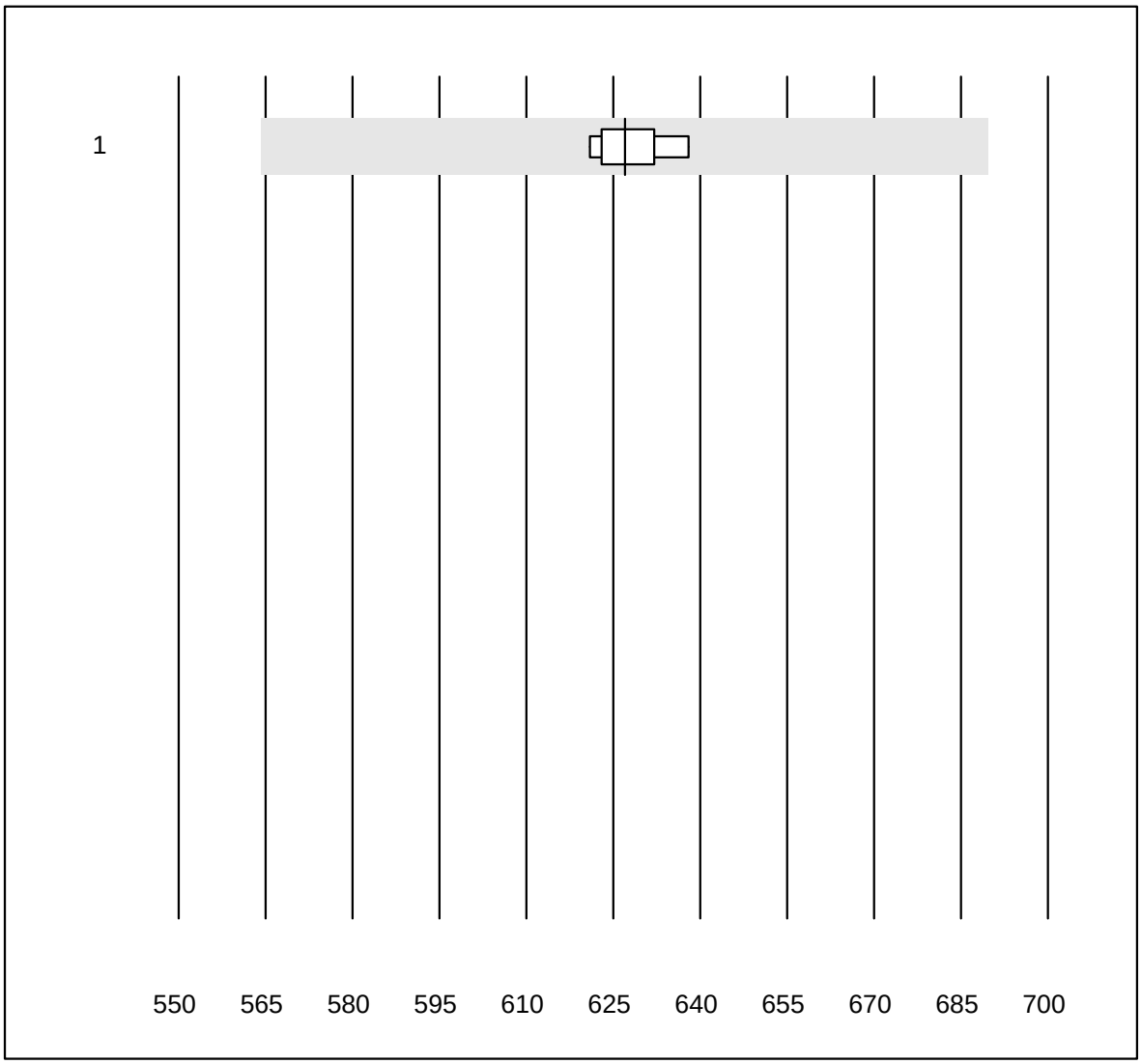



QUALAB tolerance : 12 %

Magnesium - Urine (mmol/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Standard chemistry | 8 | 100.0 | 0.0 | 0.0 | 3.4 | 4.6 | e* |

# Osmolality - Urine

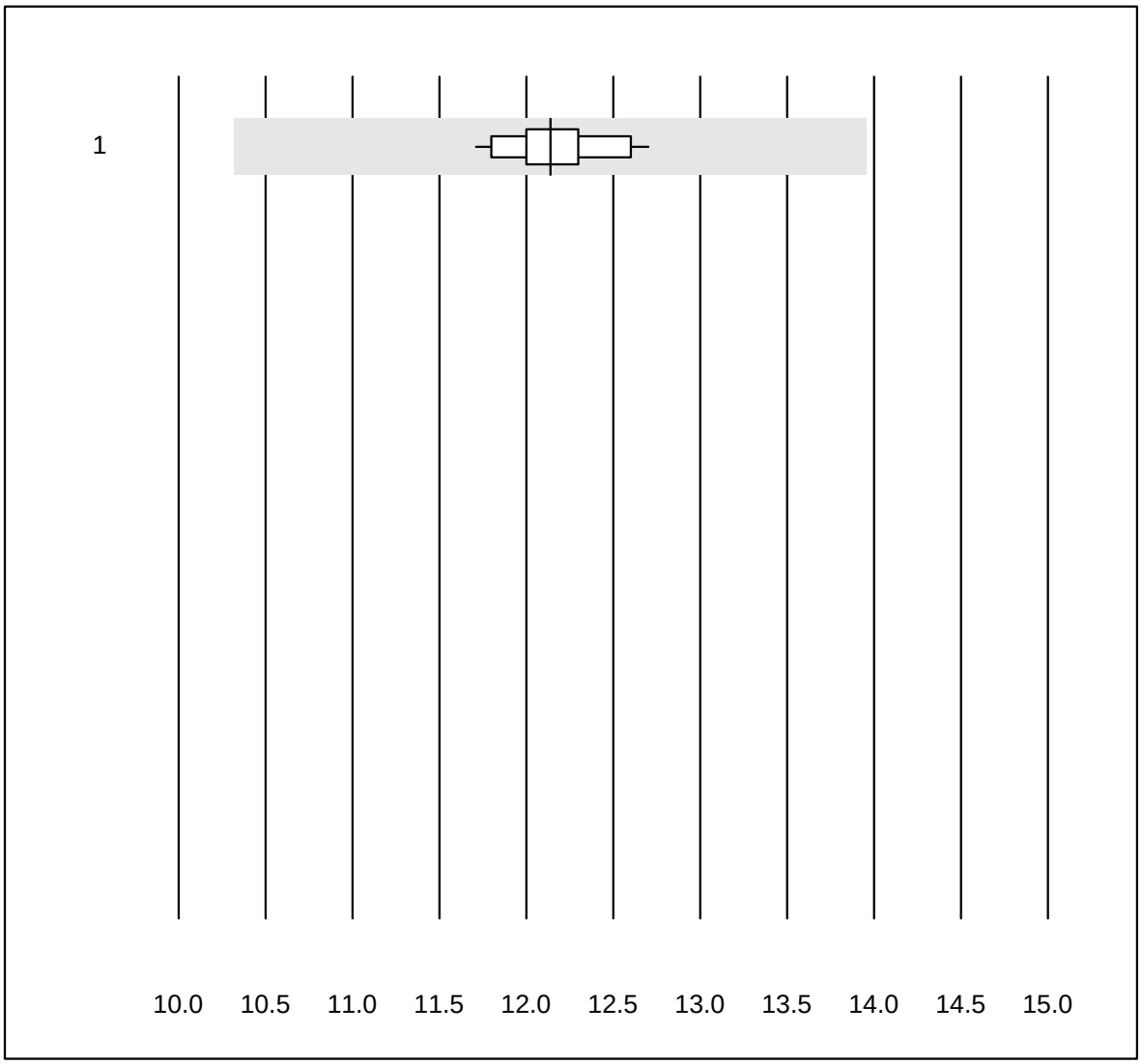



QUALAB tolerance : 10 %

Osmolality - Urine (mosm/kg)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Cryoskopy | 7 | 100.0 | 0.0 | 0.0 | 627 | 0.9 | e |

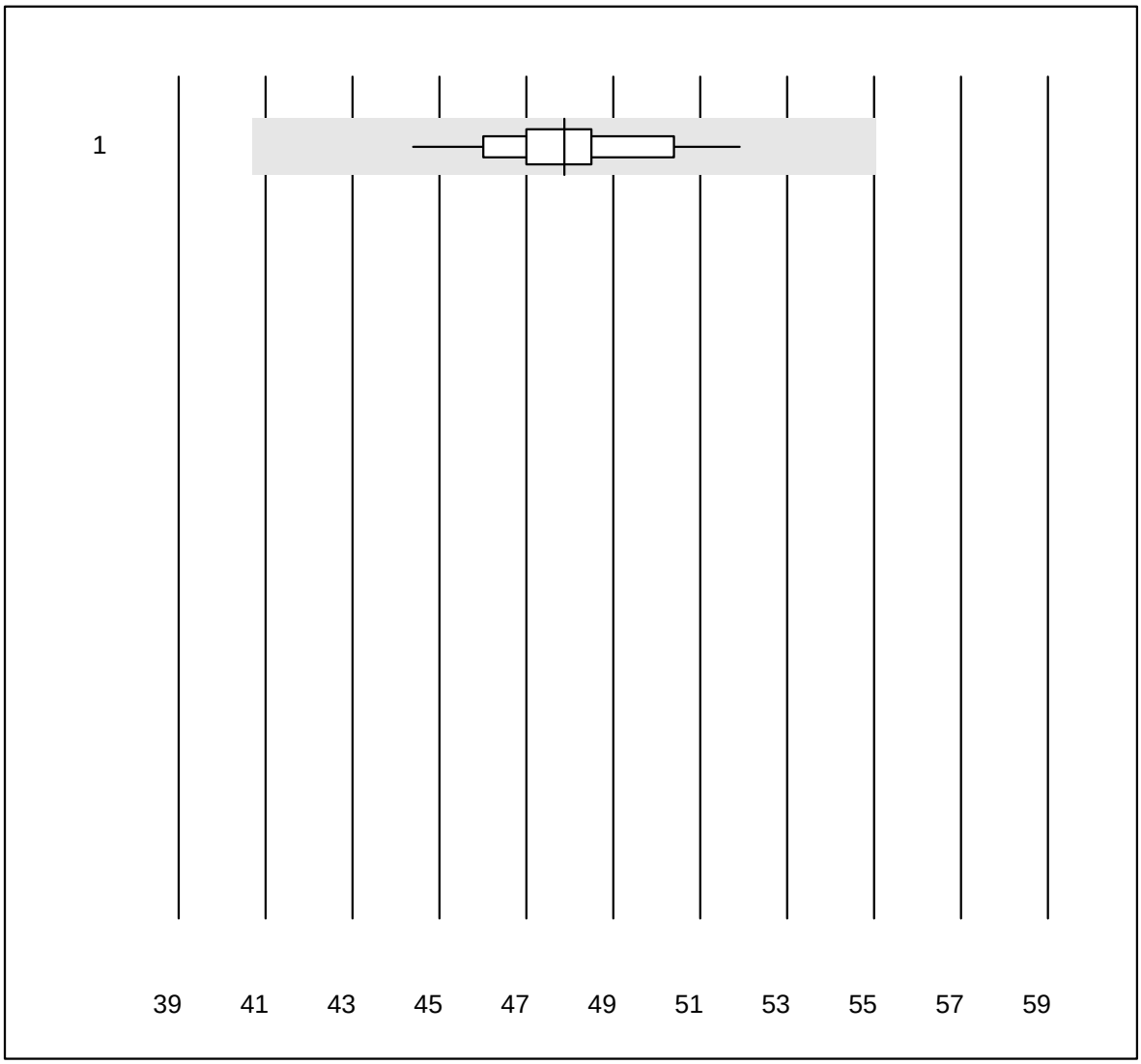
# Phosphate - Urine




QUALAB tolerance : 15 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Standard chemistry | 13 | 100.0 | 0.0 | 0.0 | 12.1 | 2.4 | e |

# Potassium - Urine

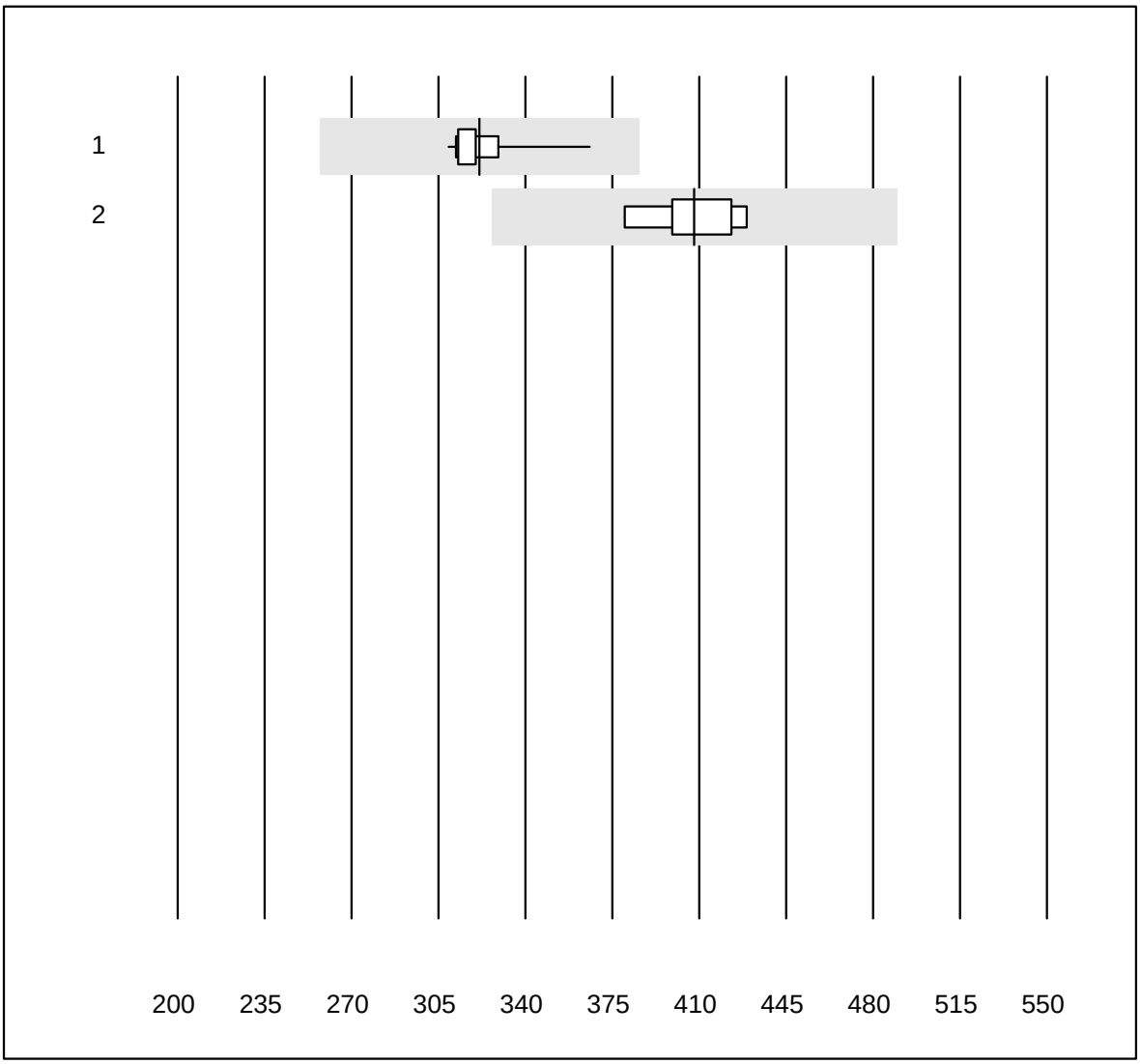



QUALAB tolerance : 15 %

Potassium - Urine (mmol/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | all Participants | 19 | 100.0 | 0.0 | 0.0 | 48 | 3.3 | e |

# total Protein - Urine

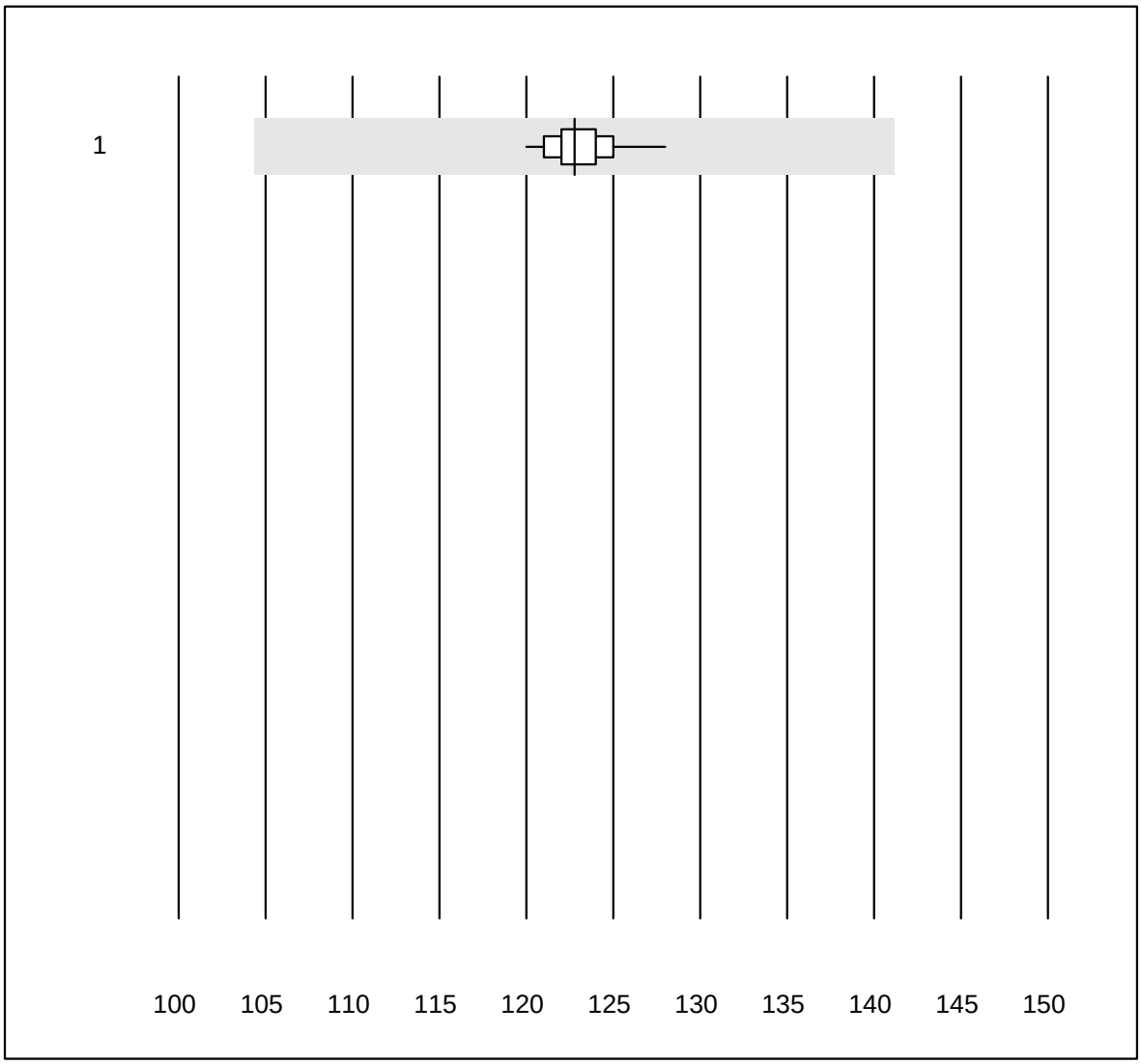



QUALAB tolerance : 20 %

total Protein - Urine (mg/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Cobas/Roche | 13 | 100.0 | 0.0 | 0.0 | 321.6 | 4.5 | e |
| 2 | Standard chemistry | 5 | 100.0 | 0.0 | 0.0 | 408.0 | 4.8 | e |

# Sodium - Urine

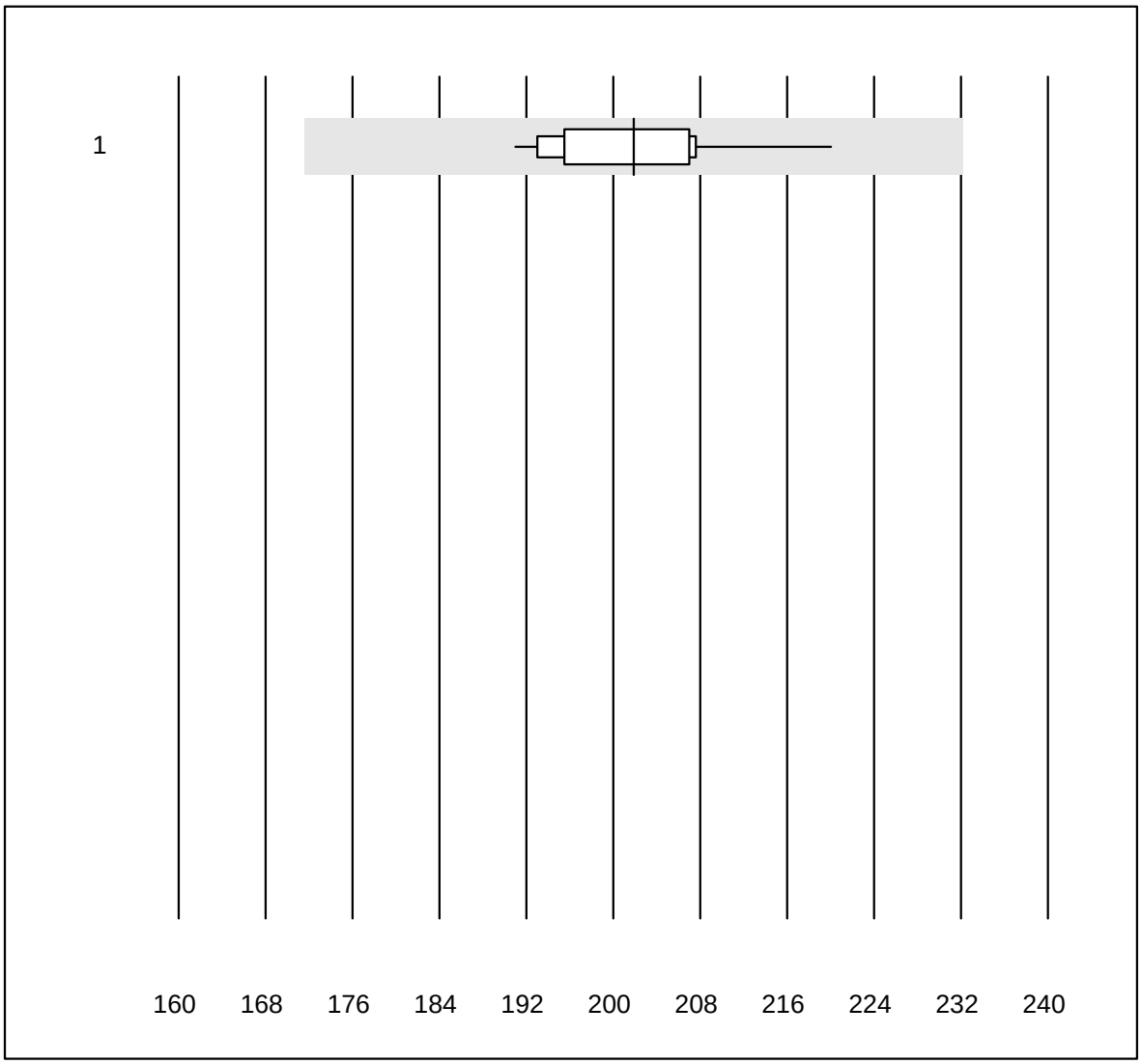



QUALAB tolerance : 15 %

Sodium - Urine (mmol/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | all Participants | 19 | 94.7 | 0.0 | 5.3 | 123 | 1.5 | e |

# Urea - Urine

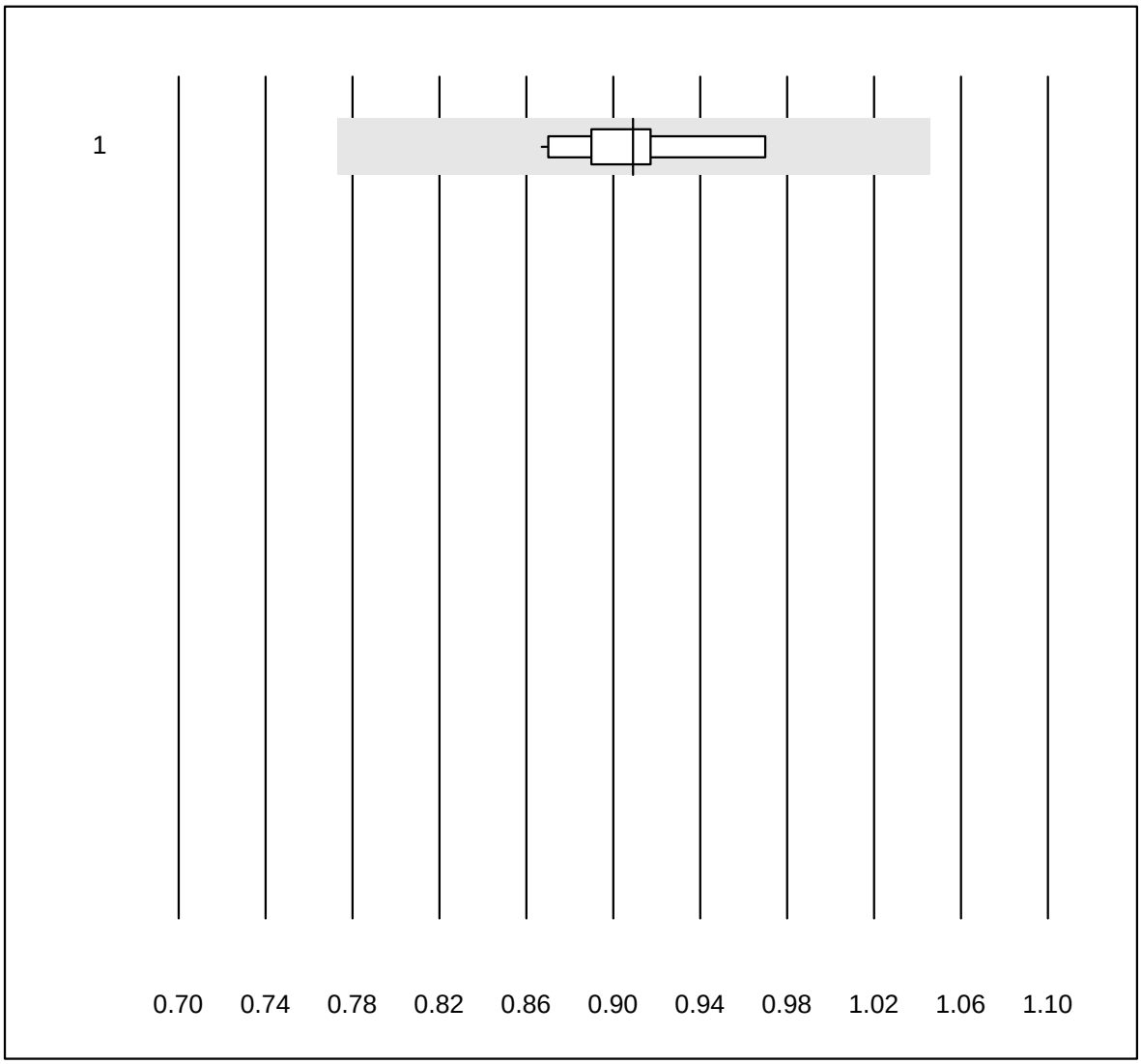



QUALAB tolerance : 15 %

Urea - Urine (mmol/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Standard chemistry | 14 | 100.0 | 0.0 | 0.0 | 202 | 3.7 | e |

# Uric Acid - Urine

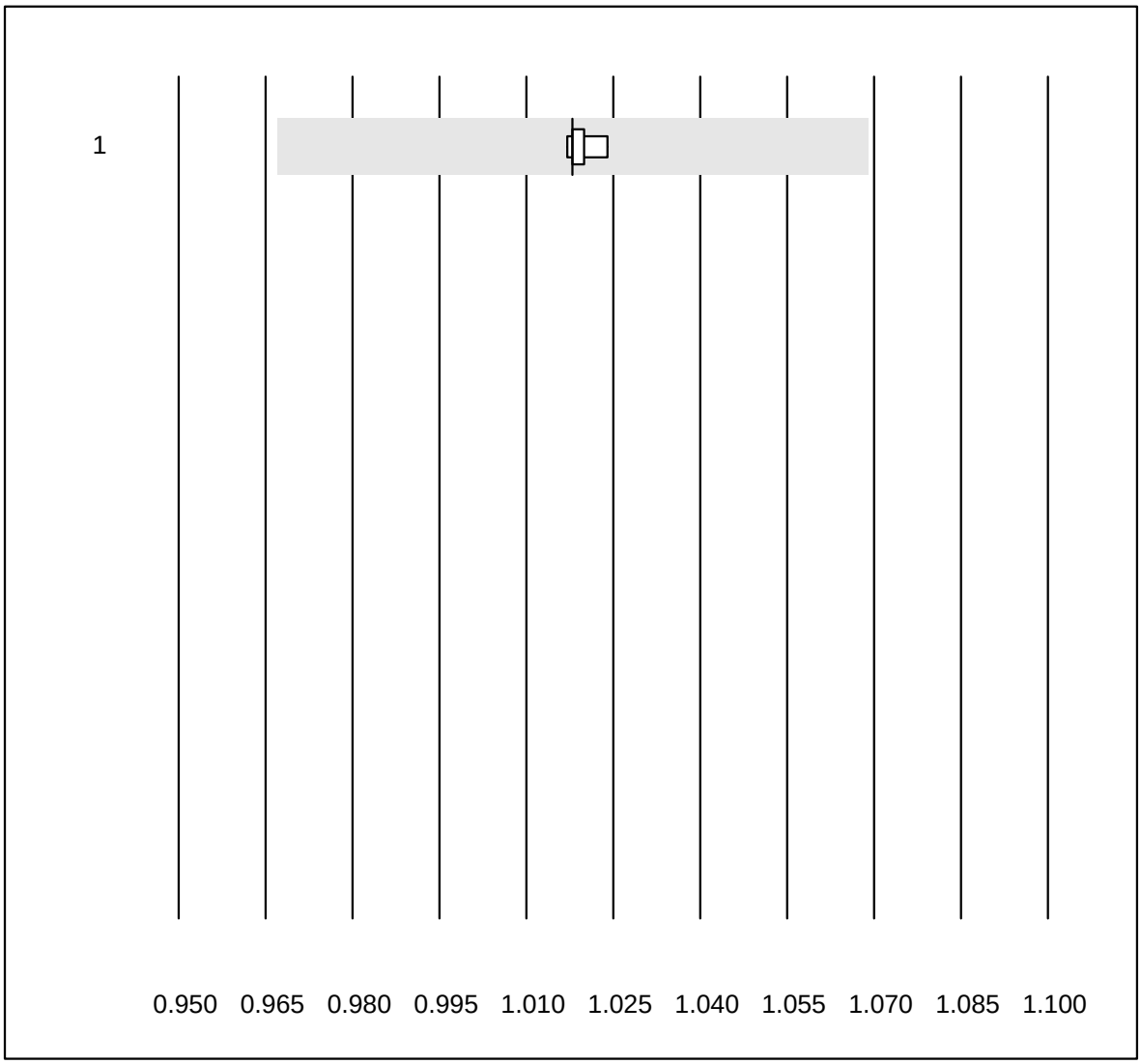



QUALAB tolerance : 15 %

Uric Acid - Urine (mmol/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Standard chemistry | 13 | 100.0 | 0.0 | 0.0 | 0.91 | 3.6 | e |

# Specific Gravity - Urine

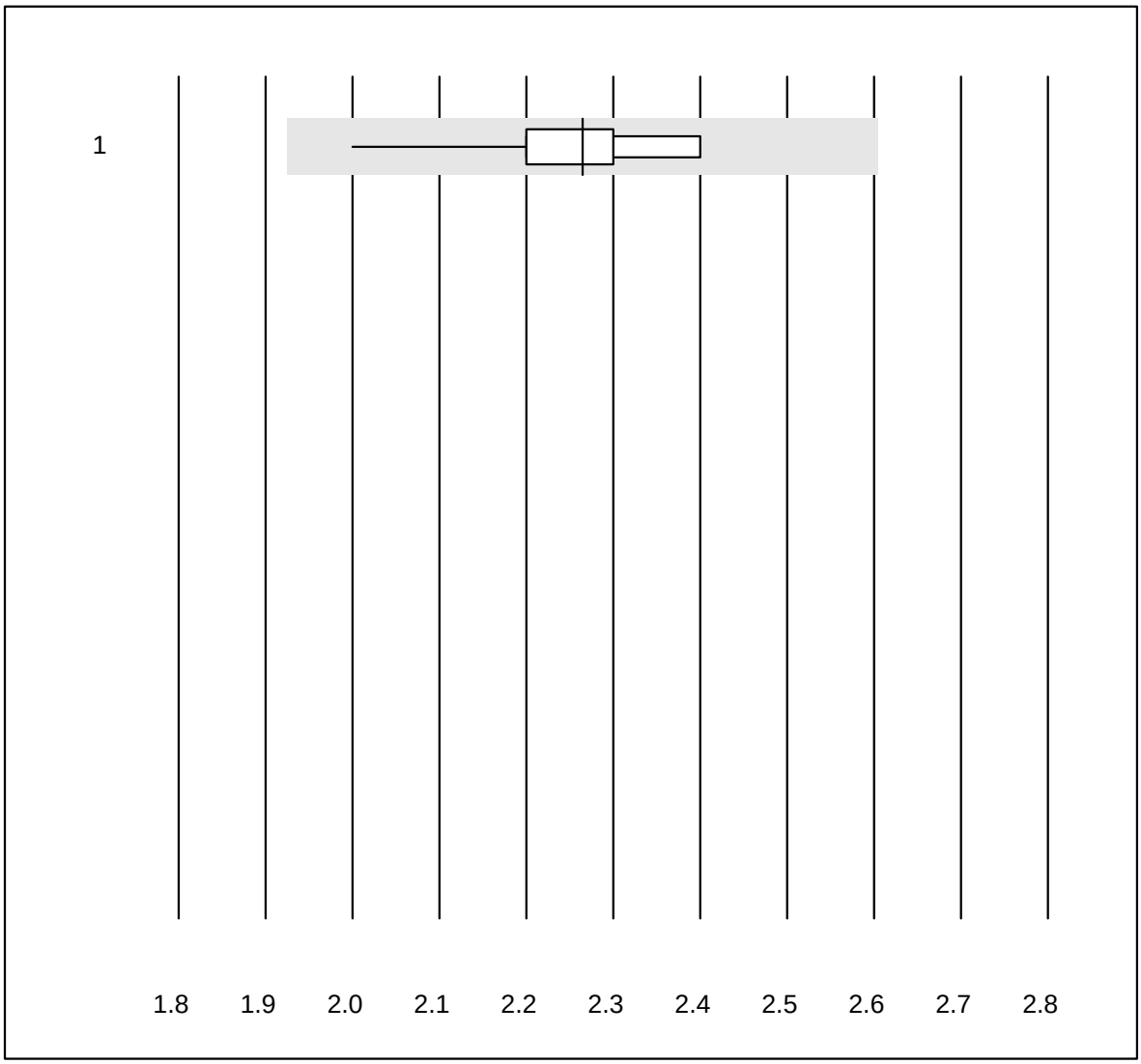



QUALAB tolerance : 5 %

Specific Gravity - Urine ()

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Refractometer | 7 | 100.0 | 0.0 | 0.0 | 1.018 | 0.2 | e |

# INR CoaguChek

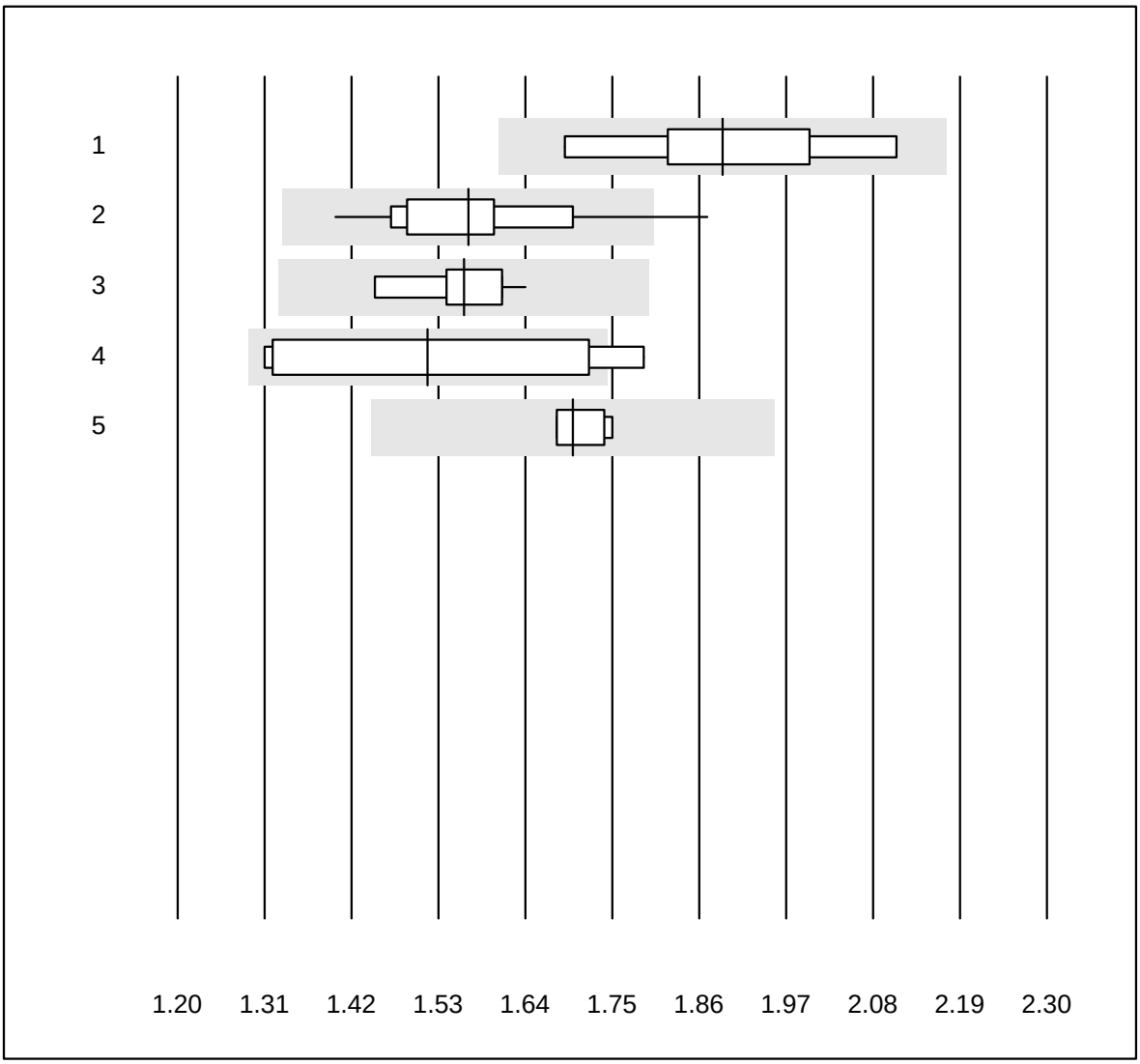



QUALAB tolerance : 15 %

INR CoaguChek ()

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | CoaguChek Pro II | 15 | 93.3 | 0.0 | 6.7 | 2.3 | 4.5 | e |

# INR

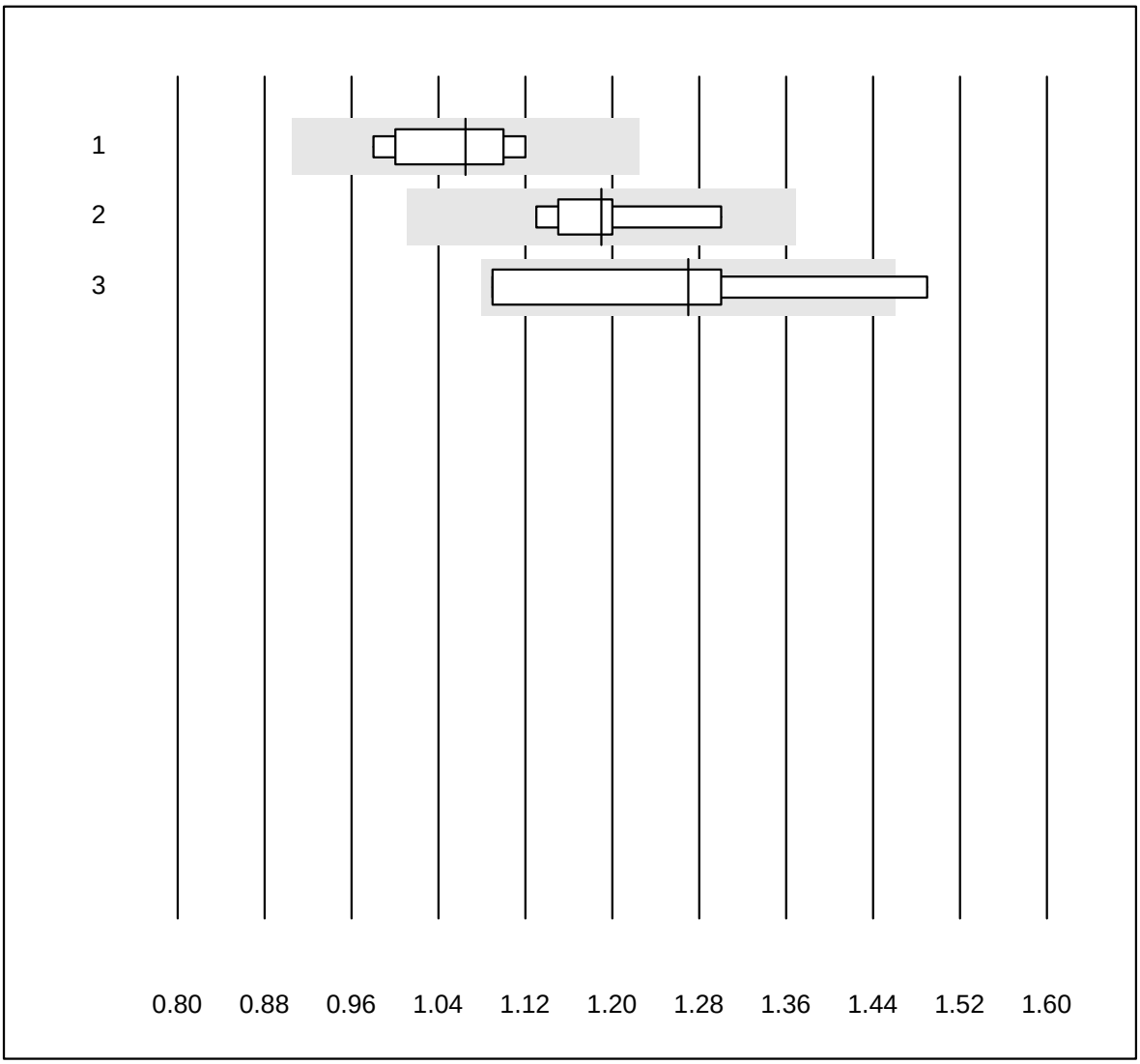



QUALAB tolerance : 15 %

INR ()

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Neoplastin Plus | 6 | 100.0 | 0.0 | 0.0 | 1.89 | 7.6 | e* |
| 2 | Innovin | 17 | 94.1 | 5.9 | 0.0 | 1.57 | 7.0 | e |
| 3 | Recombiplastin 2G | 10 | 100.0 | 0.0 | 0.0 | 1.56 | 3.7 | e |
| 4 | Eurolyser | 6 | 83.3 | 16.7 | 0.0 | 1.52 | 13.8 | a |
| 5 | Neoplastin R | 7 | 100.0 | 0.0 | 0.0 | 1.70 | 1.7 | e |

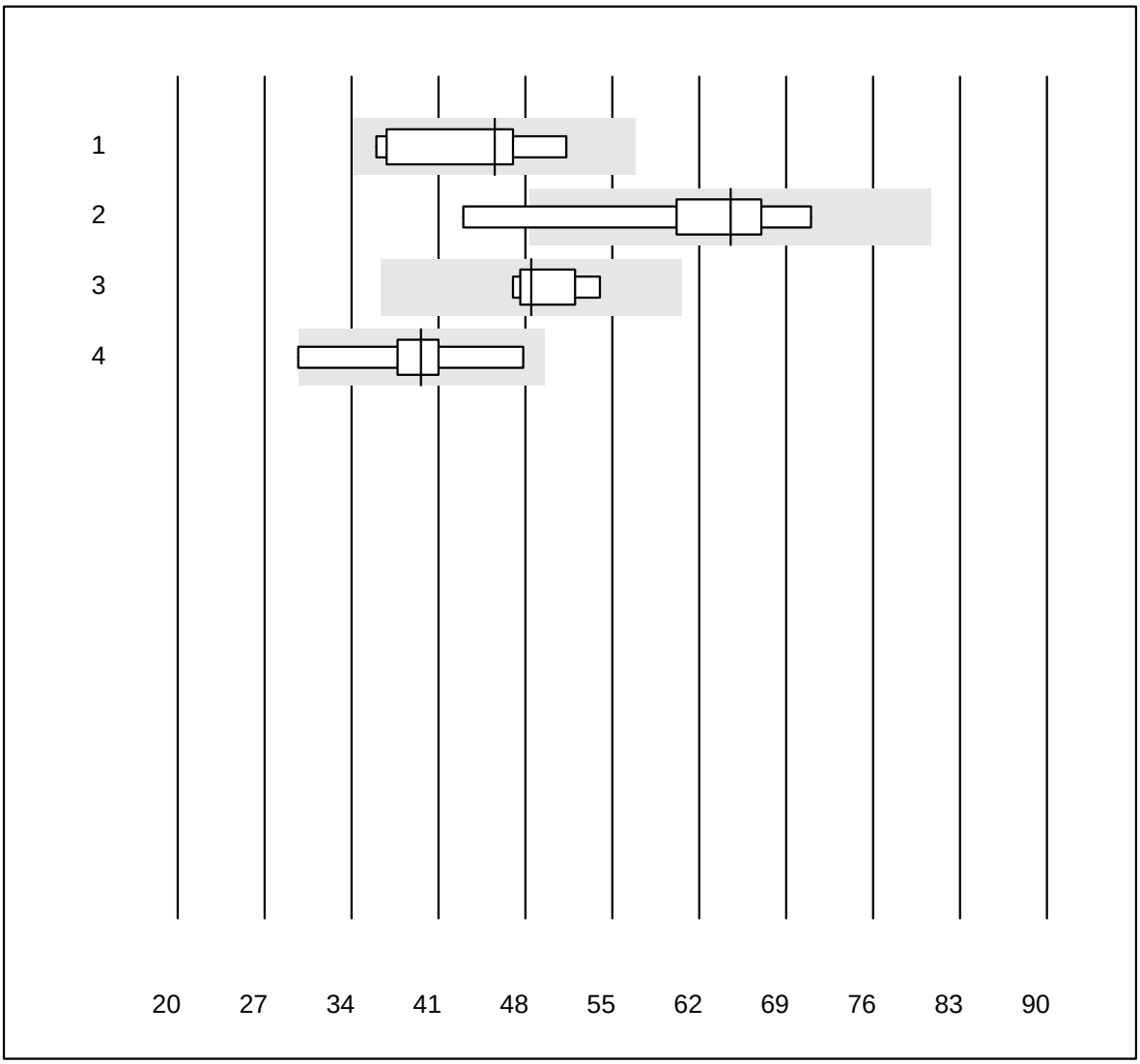
# Fibrinogen OA




QUALAB tolerance : 15 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Siemens Thrombin | 6 | 100.0 | 0.0 | 0.0 | 1.07 | 5.6 | e* |
| 2 | Stago/STA | 9 | 100.0 | 0.0 | 0.0 | 1.19 | 5.0 | e |
| 3 | Fibrinogen Q.F.A. | 4 | 75.0 | 25.0 | 0.0 | 1.27 | 12.6 | a |

# Activated Prothrombin Time

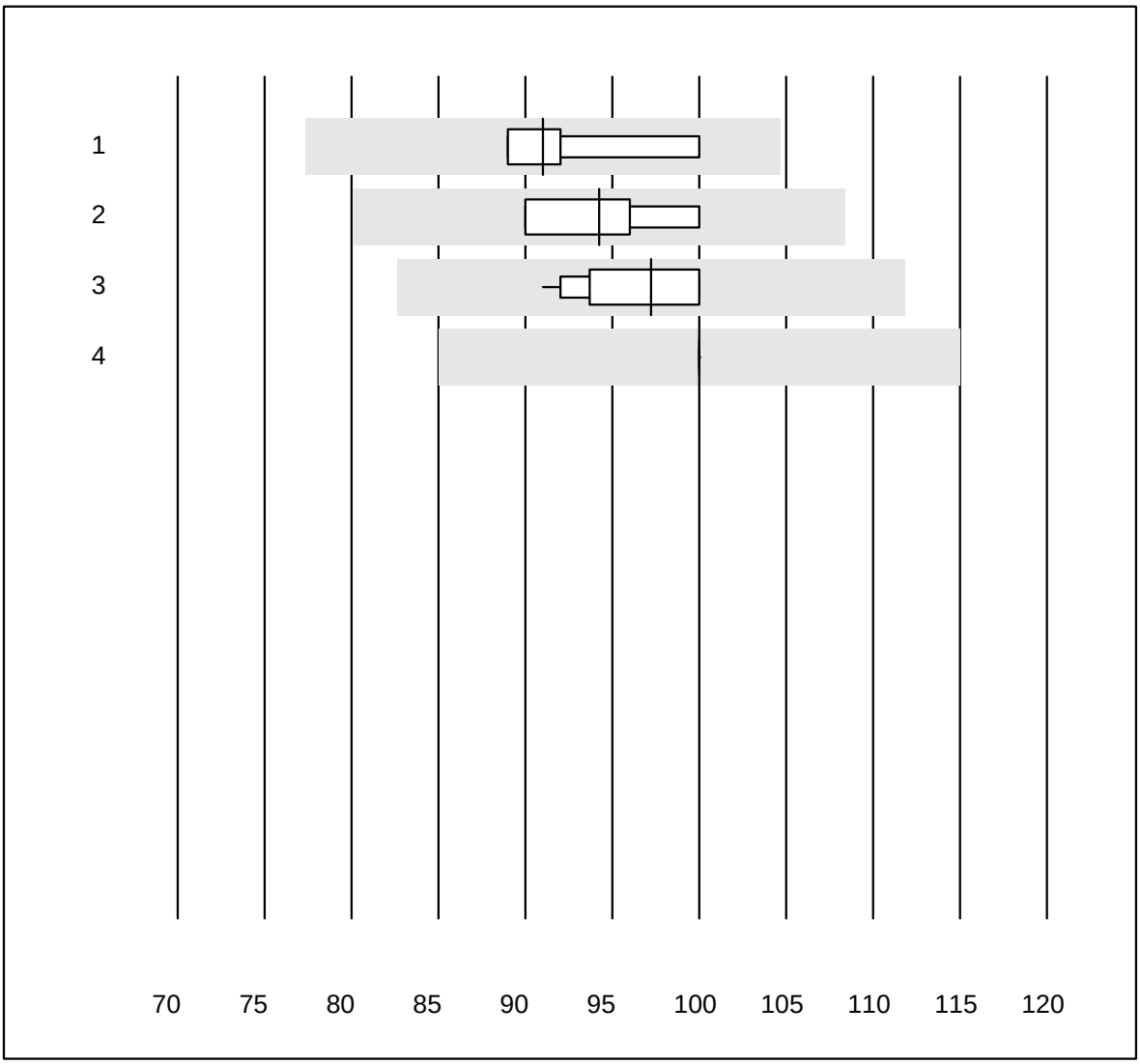



QUALAB tolerance : 25 %

Activated Prothrombin Time (Sek)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Actin FS | 8 | 100.0 | 0.0 | 0.0 | 45.5 | 12.1 | e* |
| 2 | Pathromtin SL | 5 | 80.0 | 20.0 | 0.0 | 64.5 | 17.8 | e* |
| 3 | Stago/STA | 6 | 100.0 | 0.0 | 0.0 | 48.5 | 5.6 | e |
| 4 | aPTT-SP | 8 | 87.5 | 12.5 | 0.0 | 39.6 | 13.2 | e* |

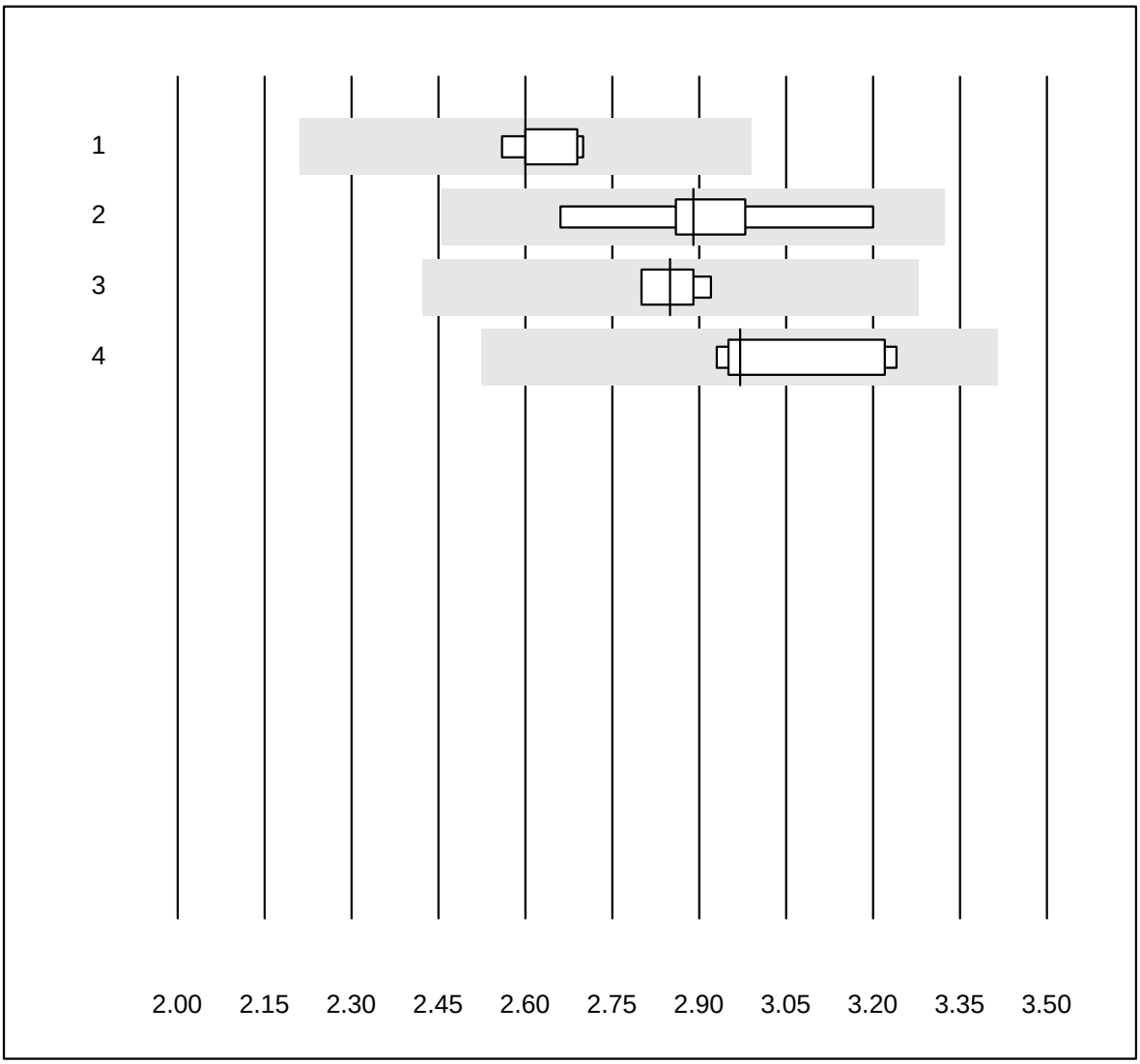
# Prothrombin time NT




QUALAB tolerance : 15 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Neoplastin R | 4 | 100.0 | 0.0 | 0.0 | 91 | 5.4 | e* |
| 2 | Neoplastin Plus | 4 | 100.0 | 0.0 | 0.0 | 94 | 4.6 | e* |
| 3 | Innovin | 11 | 100.0 | 0.0 | 0.0 | 97 | 3.8 | e |
| 4 | Recombiplastin 2G | 11 | 100.0 | 0.0 | 0.0 | 100 | 0.0 | e |

# Fibrinogen N

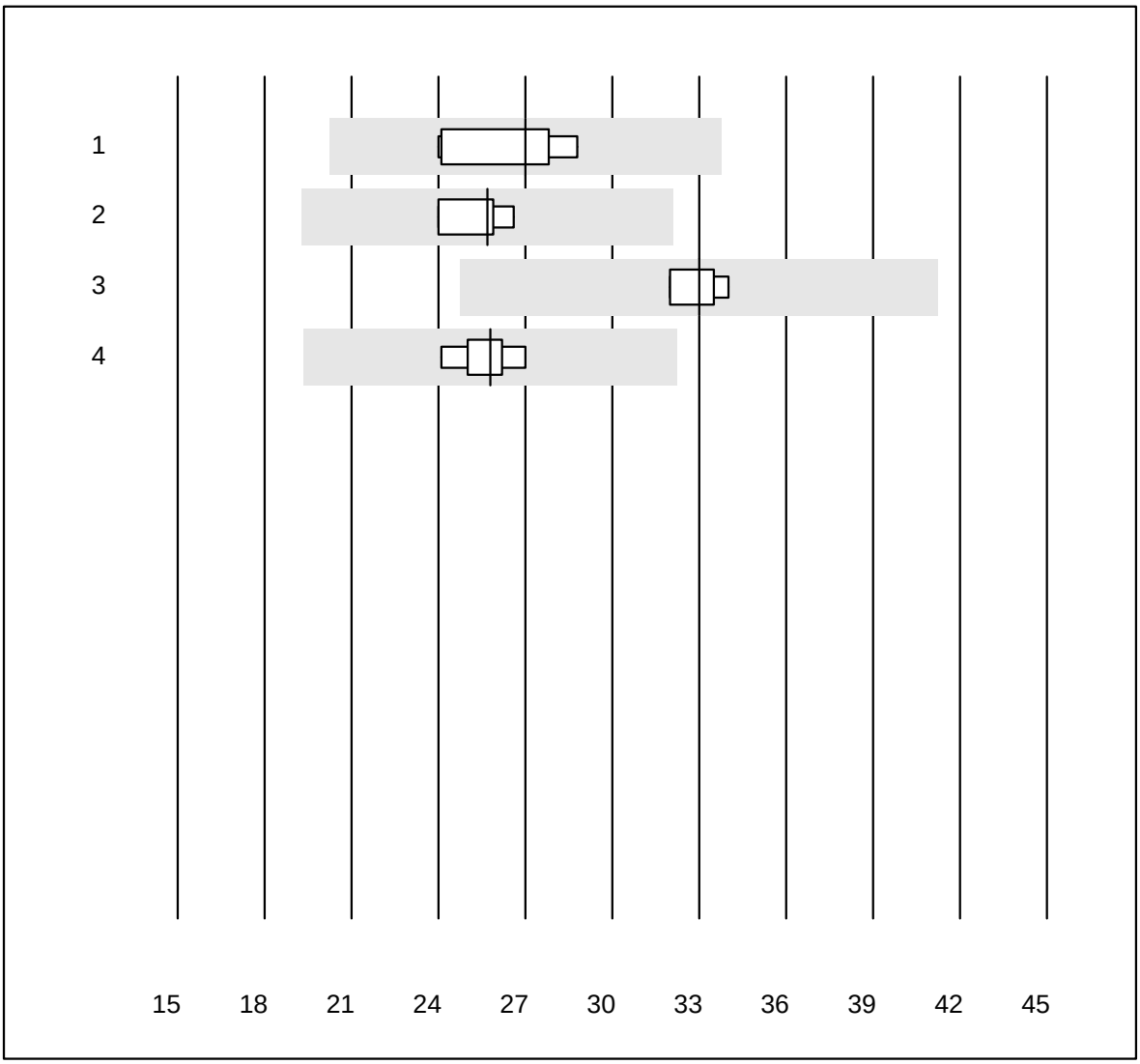



QUALAB tolerance : 15 %

Fibrinogen N (g/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Siemens Thrombin | 7 | 100.0 | 0.0 | 0.0 | 2.60 | 2.1 | e |
| 2 | Stago/STA | 9 | 100.0 | 0.0 | 0.0 | 2.89 | 5.3 | e |
| 3 | Fibrinogen Q.F.A. | 4 | 100.0 | 0.0 | 0.0 | 2.85 | 2.1 | e |
| 4 | Fib Clauss (IL) | 5 | 100.0 | 0.0 | 0.0 | 2.97 | 5.0 | e* |

# aPTT N

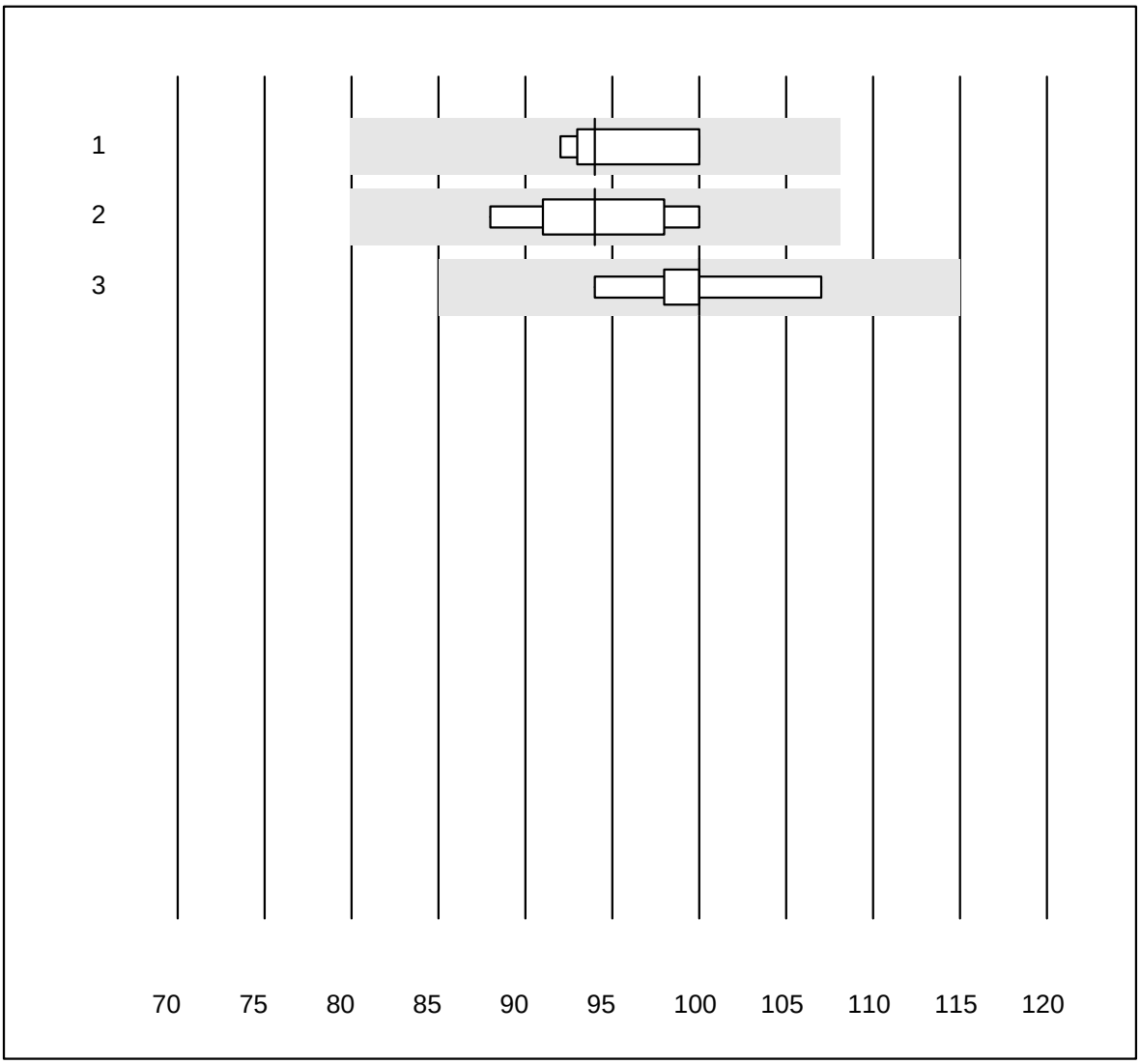



QUALAB tolerance : 25 %

aPTT N (Sek)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Actin FS | 7 | 100.0 | 0.0 | 0.0 | 27.0 | 7.4 | e |
| 2 | Other methods | 4 | 100.0 | 0.0 | 0.0 | 25.7 | 4.3 | e |
| 3 | Stago/STA | 7 | 100.0 | 0.0 | 0.0 | 33.0 | 2.5 | e |
| 4 | aPTT-SP | 9 | 100.0 | 0.0 | 0.0 | 25.8 | 3.4 | e |

# Prothrombin time HT

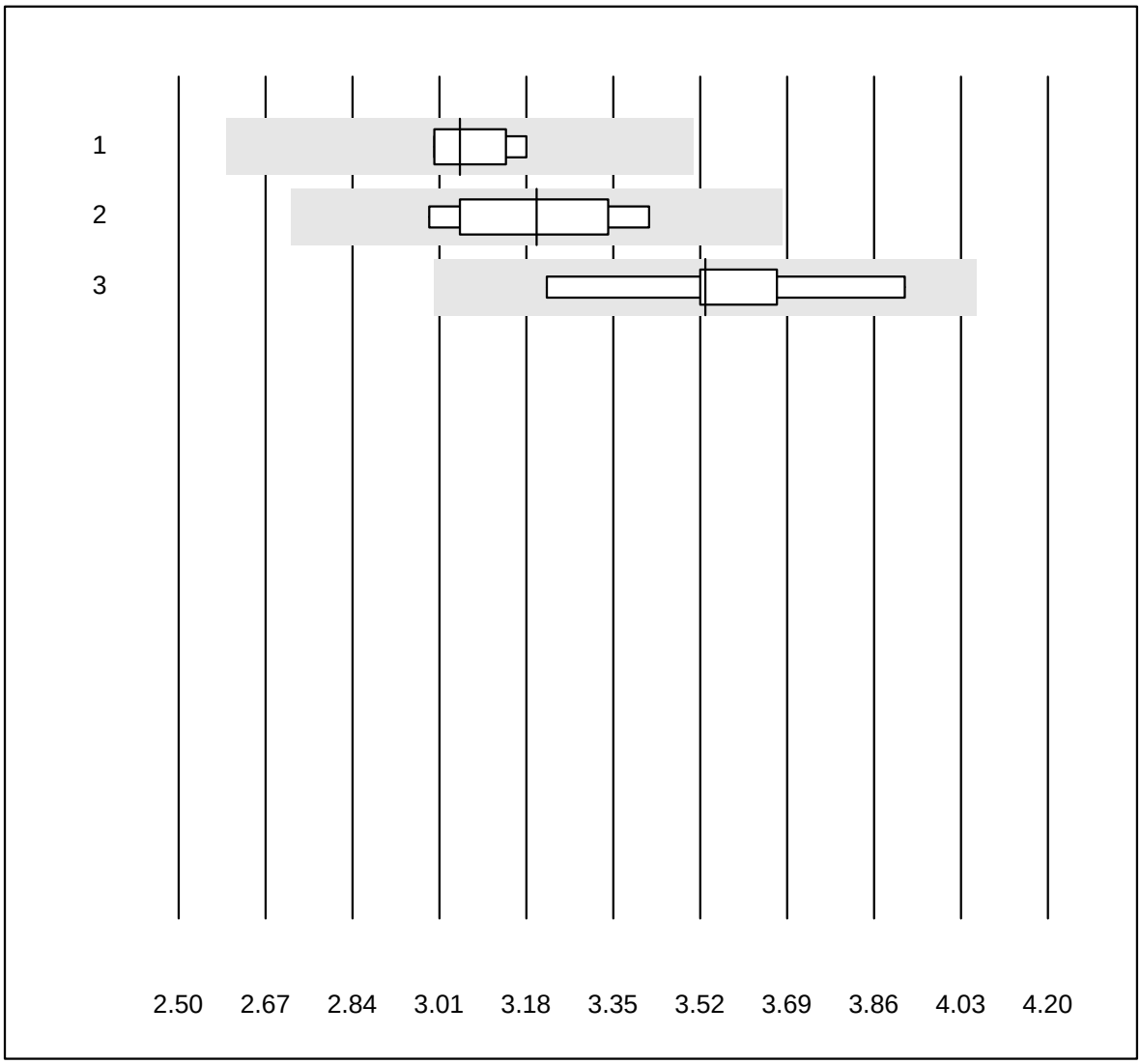



QUALAB tolerance : 15 %

Prothrombin time HT (%)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Neoplastin R | 5 | 100.0 | 0.0 | 0.0 | 94 | 4.1 | e* |
| 2 | Innovin | 9 | 100.0 | 0.0 | 0.0 | 94 | 4.4 | e |
| 3 | Recombiplastin 2G | 9 | 100.0 | 0.0 | 0.0 | 100 | 3.5 | e |

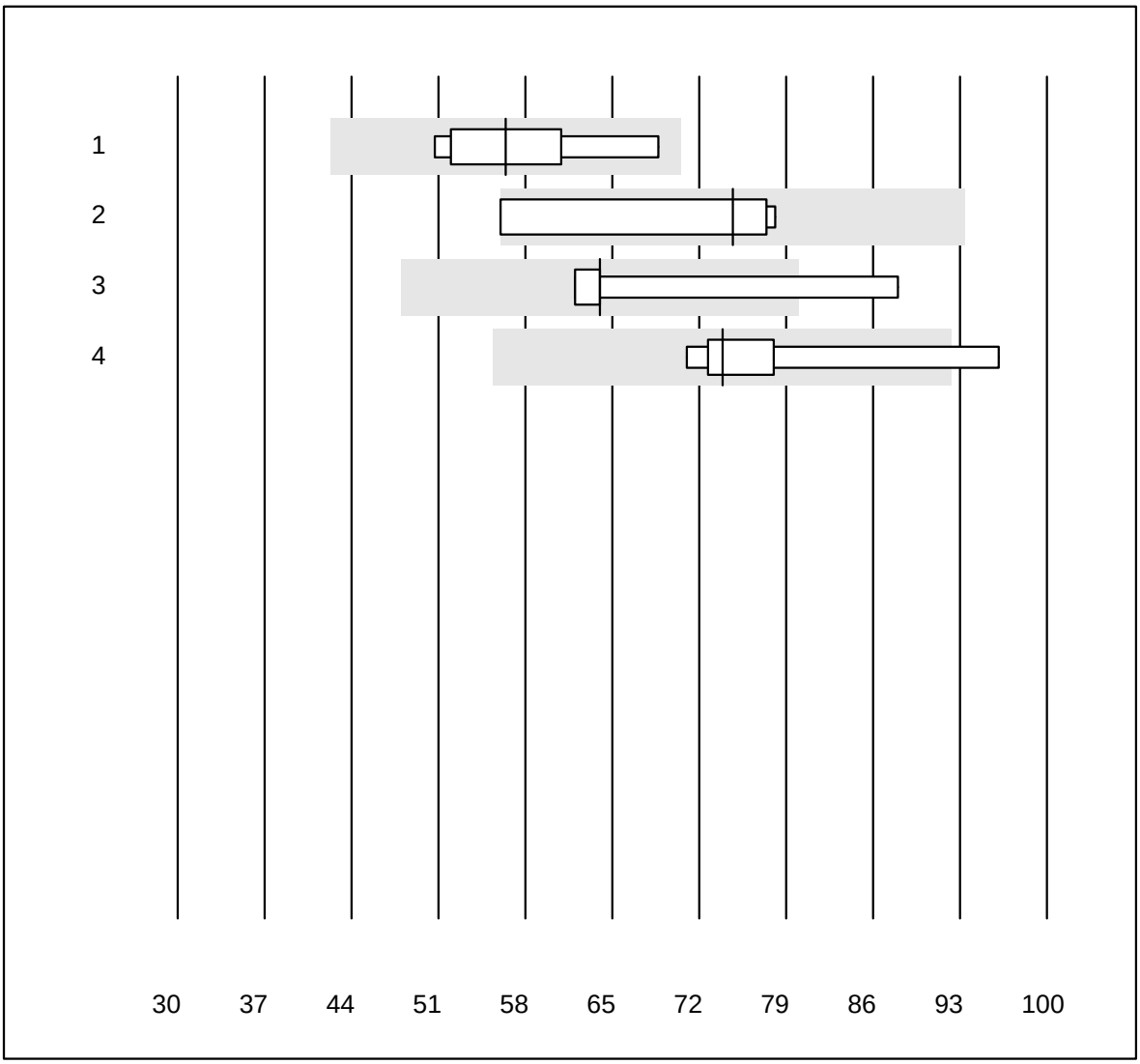
# Fibrinogen H




QUALAB tolerance : 15 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Siemens Thrombin | 6 | 100.0 | 0.0 | 0.0 | 3.05 | 2.6 | e |
| 2 | Stago/STA | 7 | 100.0 | 0.0 | 0.0 | 3.20 | 4.9 | e* |
| 3 | Fib Clauss (IL) | 5 | 100.0 | 0.0 | 0.0 | 3.53 | 7.1 | e* |

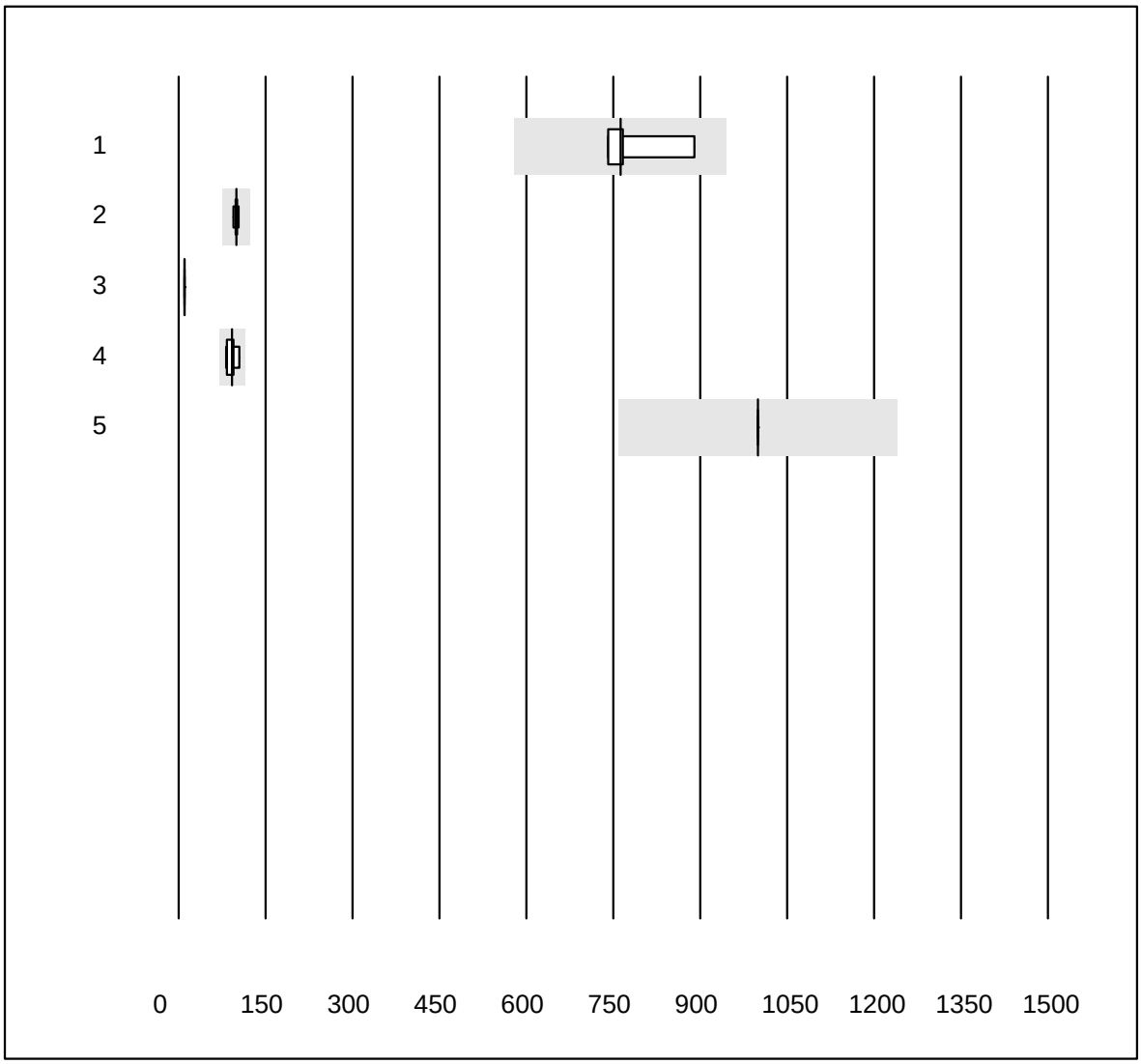
# aPTT H




QUALAB tolerance : 25 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Actin FS | 6 | 100.0 | 0.0 | 0.0 | 56.4 | 11.7 | e* |
| 2 | Other methods | 4 | 75.0 | 25.0 | 0.0 | 74.7 | 14.5 | e* |
| 3 | Stago/STA | 5 | 60.0 | 20.0 | 20.0 | 64.0 | 17.8 | e* |
| 4 | aPTT-SP | 6 | 83.3 | 16.7 | 0.0 | 73.9 | 12.1 | e* |

# Troponin I

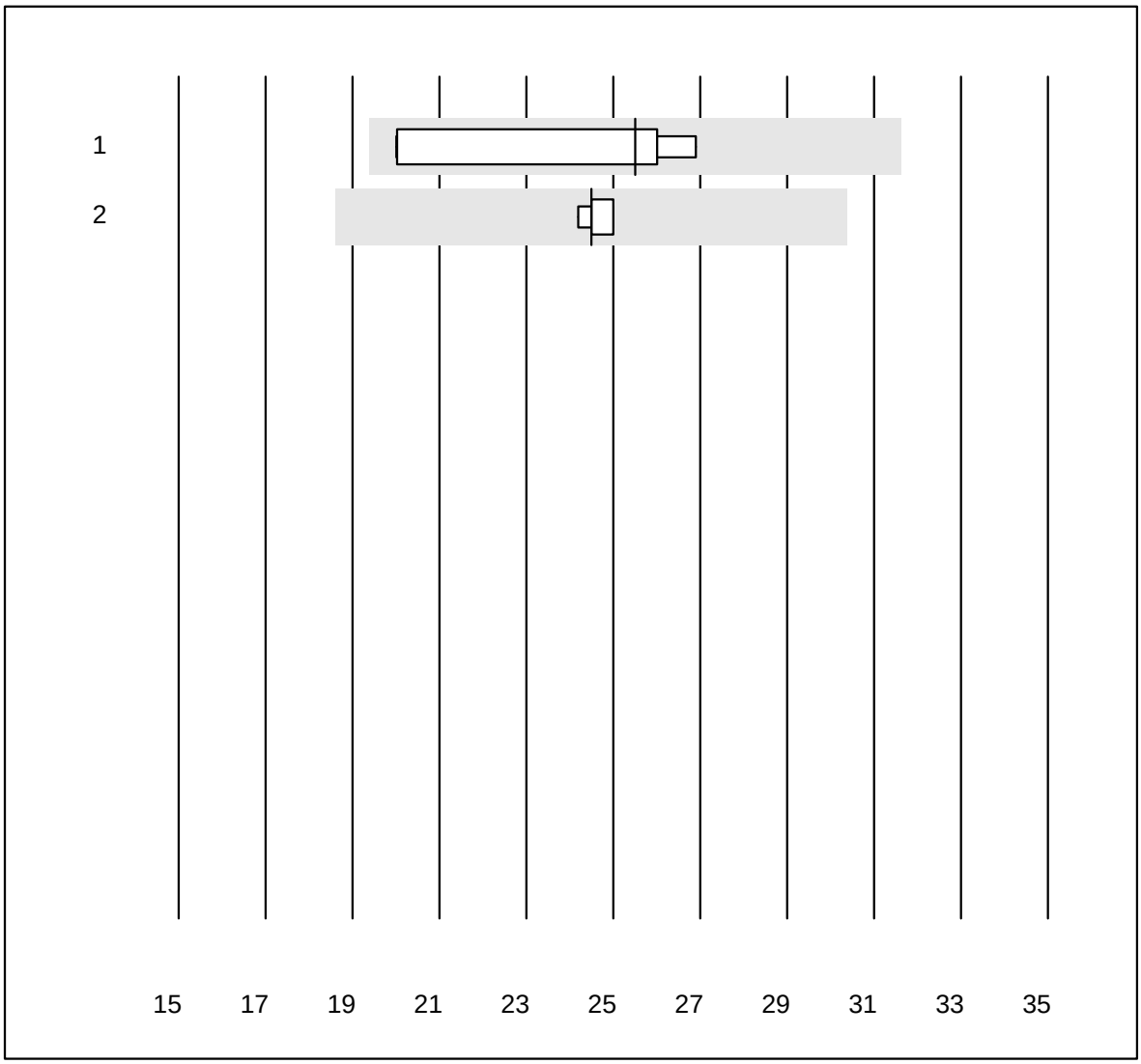



QUALAB tolerance : 24 %

Troponin I (ng/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Vidas hs | 4 | 100.0 | 0.0 | 0.0 | 762.2 | 8.6 | e* |
| 2 | Architect High Sensi | 6 | 100.0 | 0.0 | 0.0 | 99.6 | 3.0 | e |
| 3 | AQT 90 FLEX | 6 | 100.0 | 0.0 | 0.0 | 10.0 | 0.0 | e |
| 4 | ADVIA Centaur XP/CP | 5 | 100.0 | 0.0 | 0.0 | 92.4 | 9.8 | e* |
| 5 | Eurolyser | 14 | 100.0 | 0.0 | 0.0 | 1000.0 | 0.0 | e |

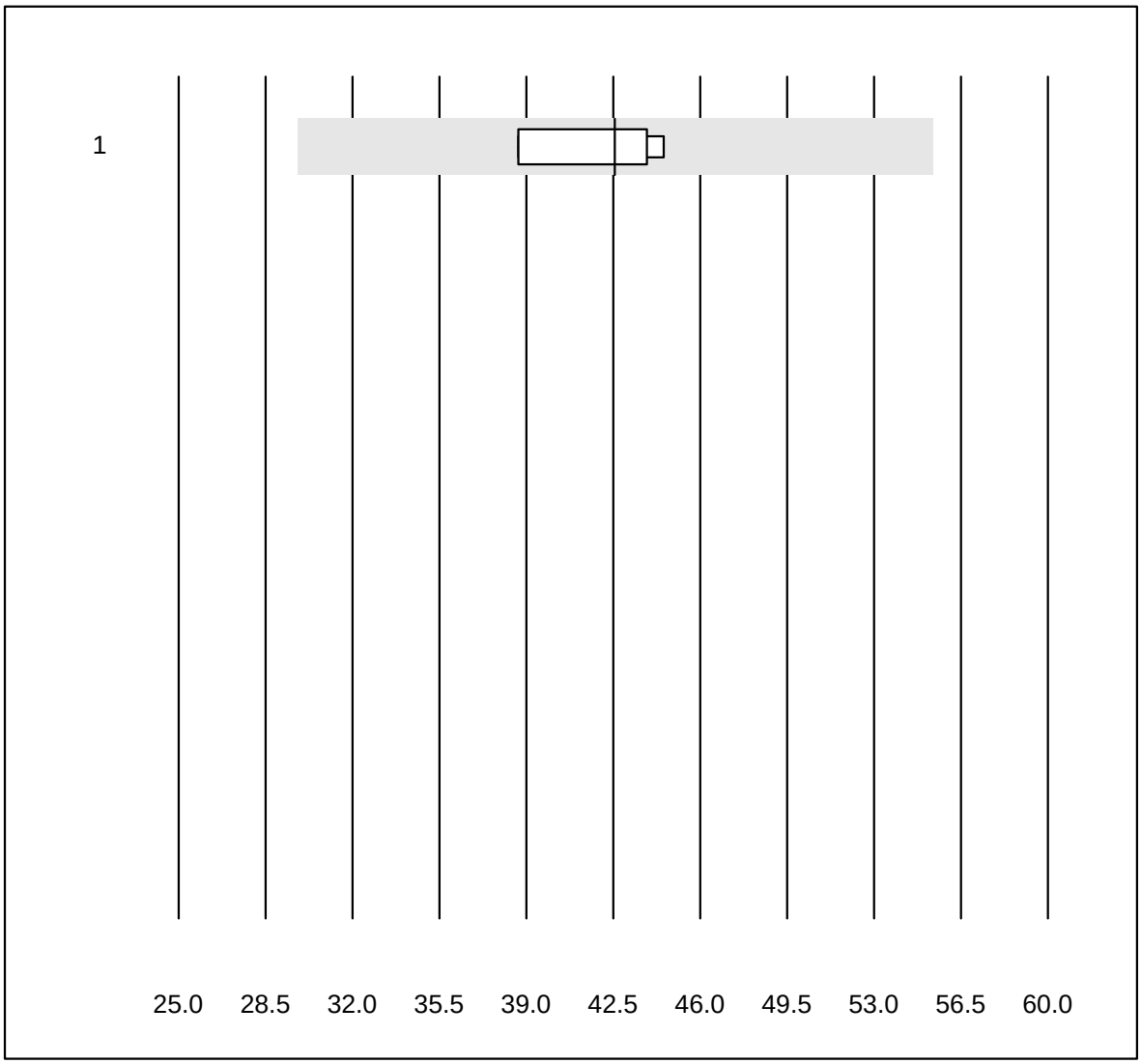
# Troponin T




QUALAB tolerance : 24 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Cobas hs | 5 | 100.0 | 0.0 | 0.0 | 25.50 | 14.3 | e* |
| 2 | Cobas hs STAT | 6 | 100.0 | 0.0 | 0.0 | 24.50 | 1.3 | e |

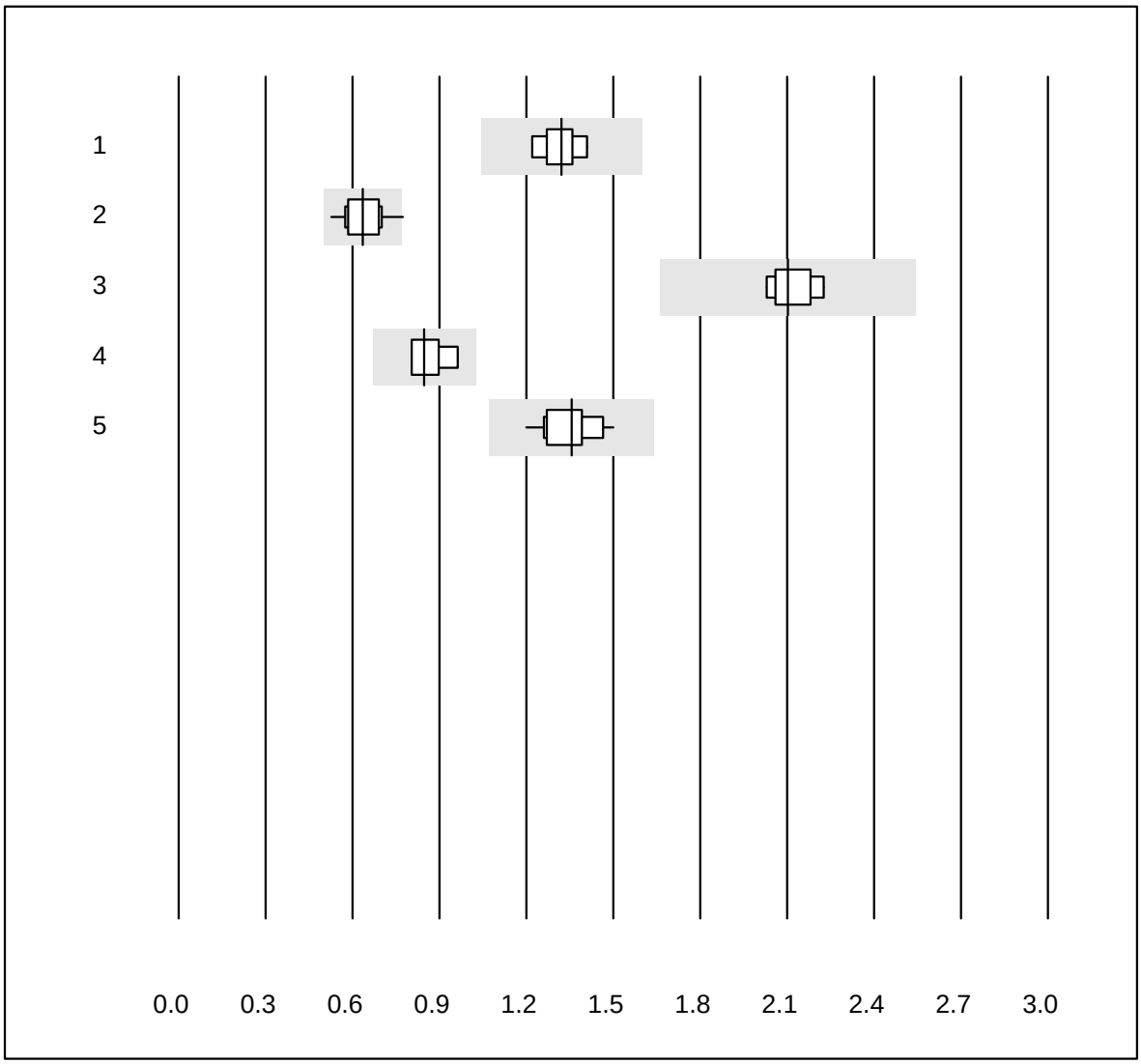
# Myoglobin




QUALAB tolerance : 30 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Cobas E / Elecsys | 4 | 100.0 | 0.0 | 0.0 | 42.6 | 6.3 | e |

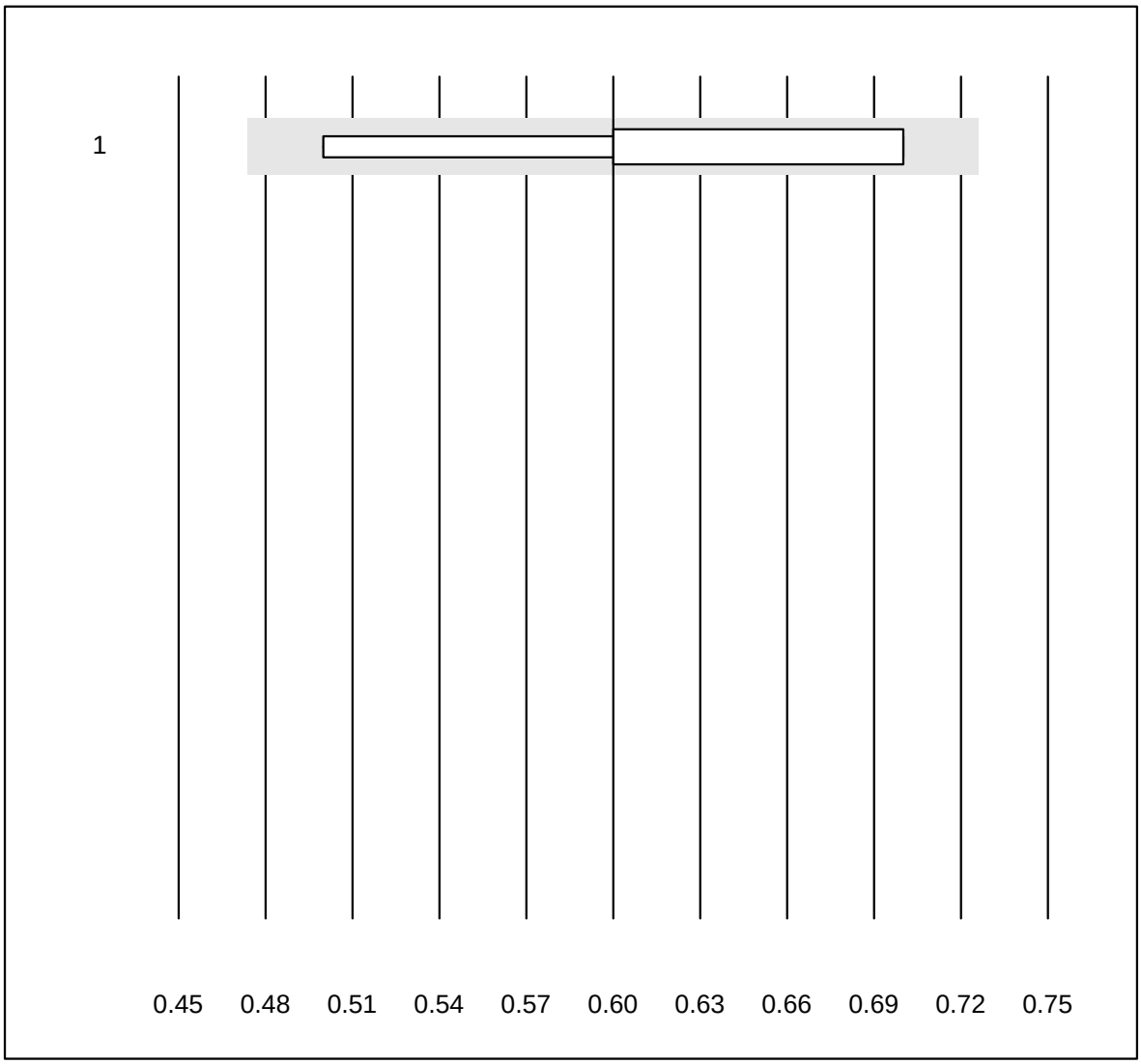
# D-dimer




QUALAB tolerance : 21 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | STA Liatest | 7 | 100.0 | 0.0 | 0.0 | 1.32 | 4.6 | e |
| 2 | Eurolyser | 27 | 77.8 | 3.7 | 18.5 | 0.63 | 9.7 | e |
| 3 | ACL | 5 | 100.0 | 0.0 | 0.0 | 2.10 | 3.9 | e |
| 4 | AQT 90 FLEX | 8 | 100.0 | 0.0 | 0.0 | 0.85 | 6.8 | e |
| 5 | Vidas | 12 | 100.0 | 0.0 | 0.0 | 1.36 | 6.3 | e |

# D-Dimer NC

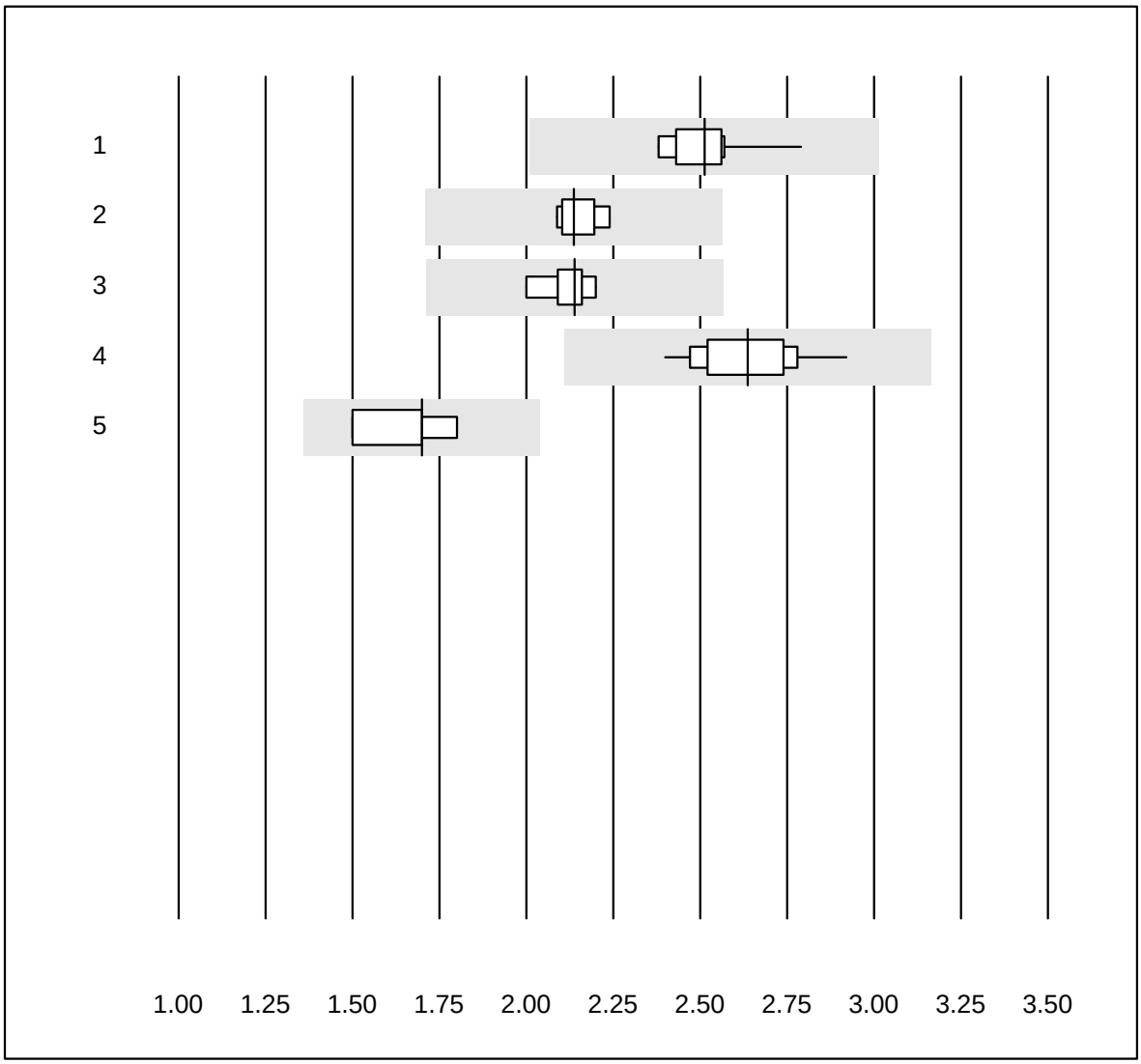



QUALAB tolerance : 21 %

D-Dimer NC (mg/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | NycoCard | 25 | 64.0 | 0.0 | 36.0 | 0.60 | 11.7 | e |

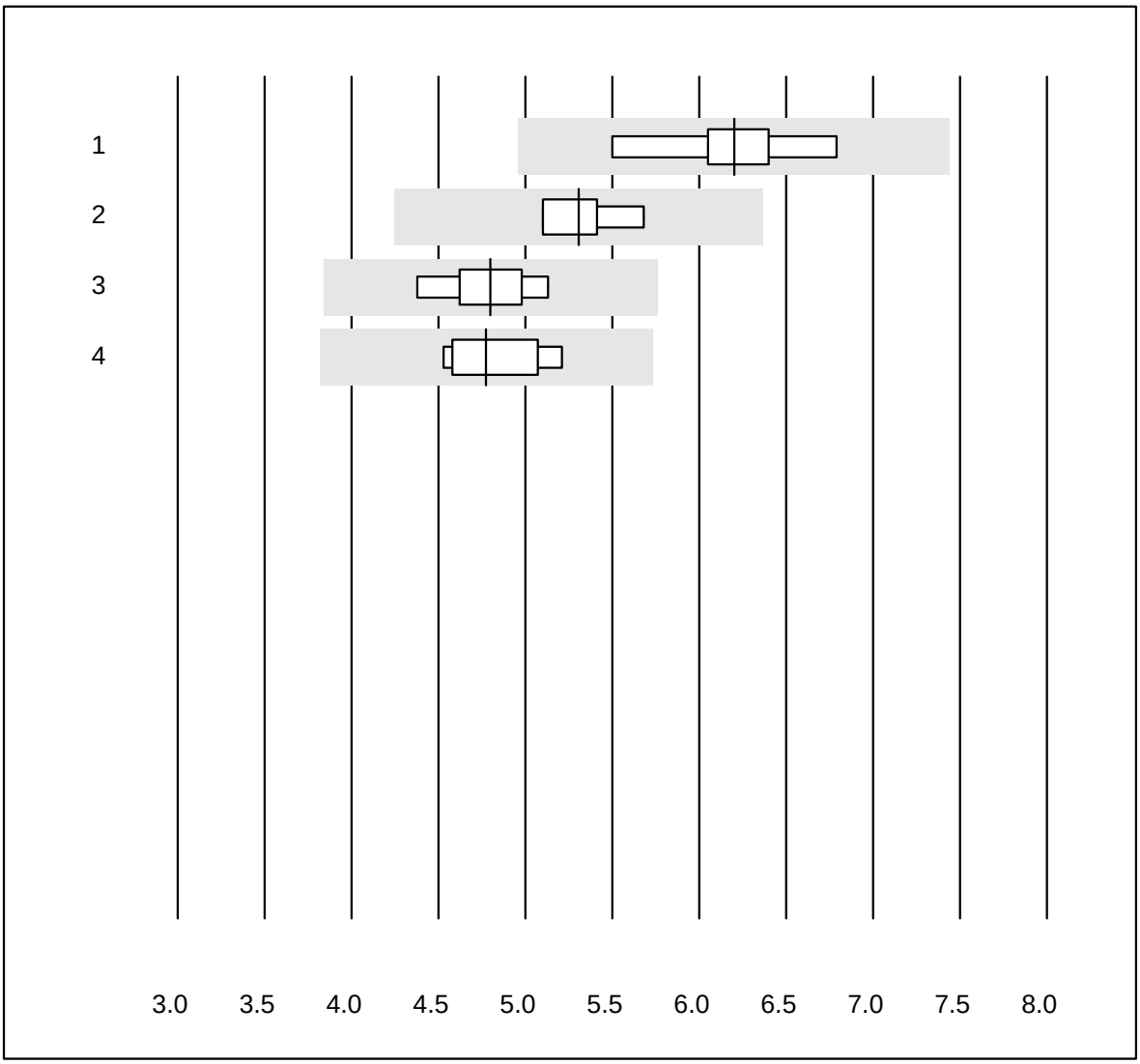
# TSH




QUALAB tolerance : 20 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Cobas E / Elecsys | 10 | 100.0 | 0.0 | 0.0 | 2.5 | 4.7 | e |
| 2 | ADVIA Centaur XP/CP | 6 | 100.0 | 0.0 | 0.0 | 2.1 | 2.7 | e |
| 3 | Architect | 8 | 100.0 | 0.0 | 0.0 | 2.1 | 2.9 | e |
| 4 | Vidas | 13 | 100.0 | 0.0 | 0.0 | 2.6 | 5.6 | e |
| 5 | Qualigen | 5 | 80.0 | 0.0 | 20.0 | 1.7 | 7.8 | e* |

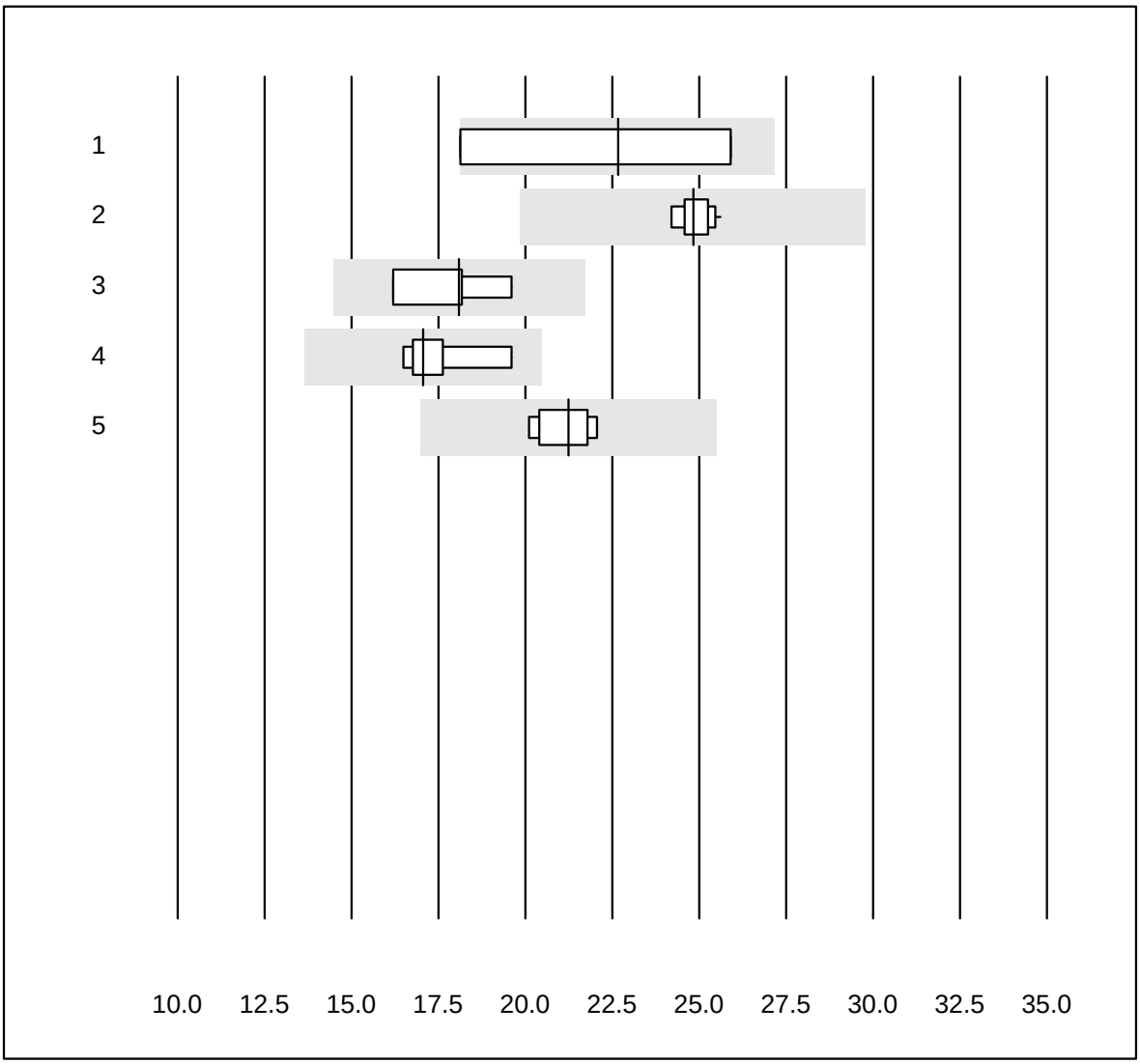
# FT3




QUALAB tolerance : 20 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Cobas E / Elecsys | 9 | 100.0 | 0.0 | 0.0 | 6.2 | 5.8 | e |
| 2 | ADVIA Centaur XP/CP | 4 | 100.0 | 0.0 | 0.0 | 5.3 | 4.8 | e |
| 3 | Architect | 7 | 100.0 | 0.0 | 0.0 | 4.8 | 5.1 | e |
| 4 | Vidas | 6 | 100.0 | 0.0 | 0.0 | 4.8 | 5.6 | e |

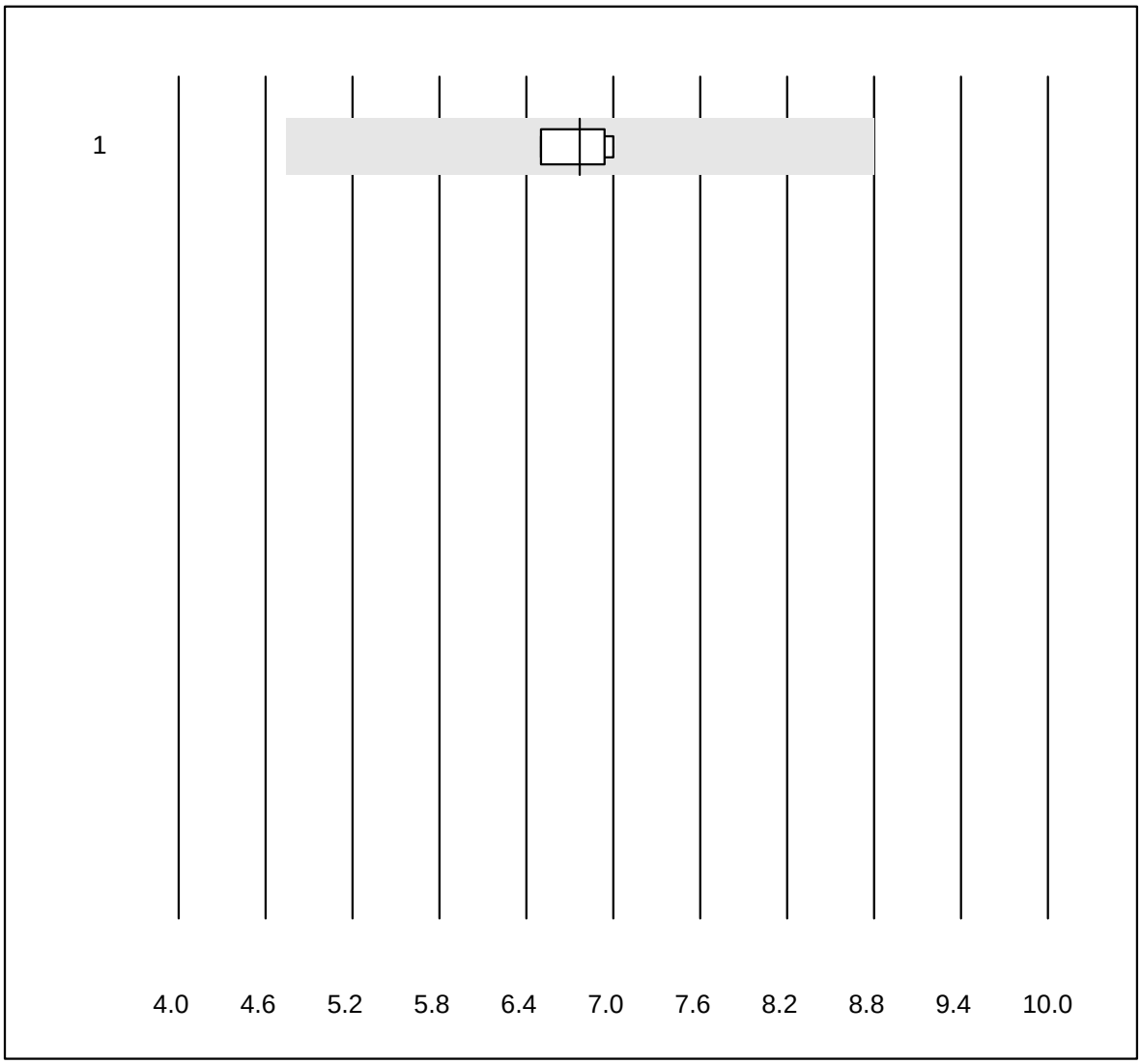
# FT4




QUALAB tolerance : 20 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Qualigen | 4 | 75.0 | 0.0 | 25.0 | 22.7 | 19.7 | e* |
| 2 | Cobas E / Elecsys | 10 | 100.0 | 0.0 | 0.0 | 24.8 | 1.9 | e |
| 3 | ADVIA Centaur XP | 4 | 100.0 | 0.0 | 0.0 | 18.1 | 7.7 | e* |
| 4 | Architect | 8 | 100.0 | 0.0 | 0.0 | 17.1 | 6.0 | e |
| 5 | Vidas | 7 | 100.0 | 0.0 | 0.0 | 21.2 | 3.3 | e |

# Testosterone

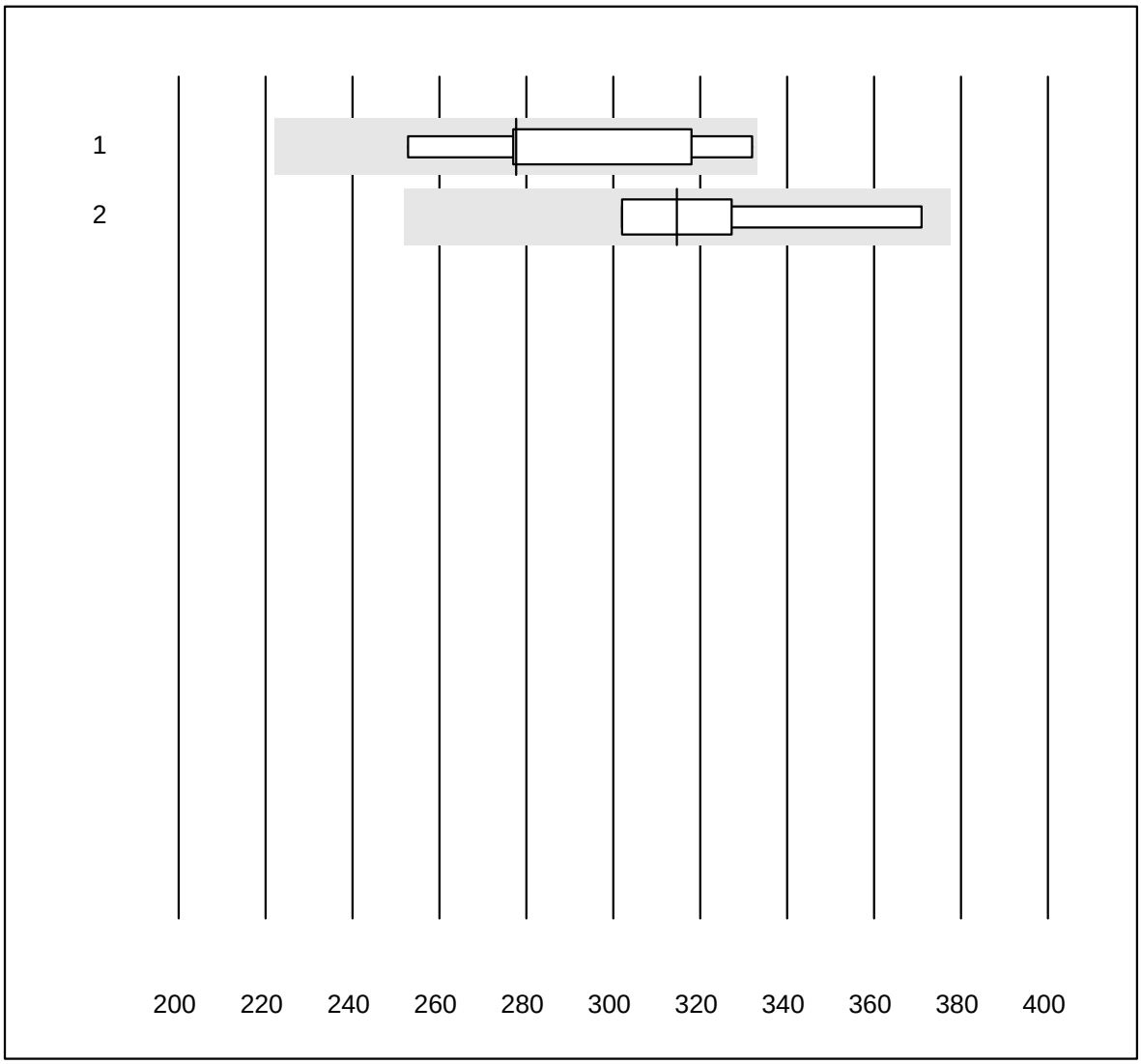



QUALAB tolerance : 30 %

Testosterone (nmol/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | ADVIA Centaur XP/CP | 4 | 100.0 | 0.0 | 0.0 | 7 | 3.7 | e |

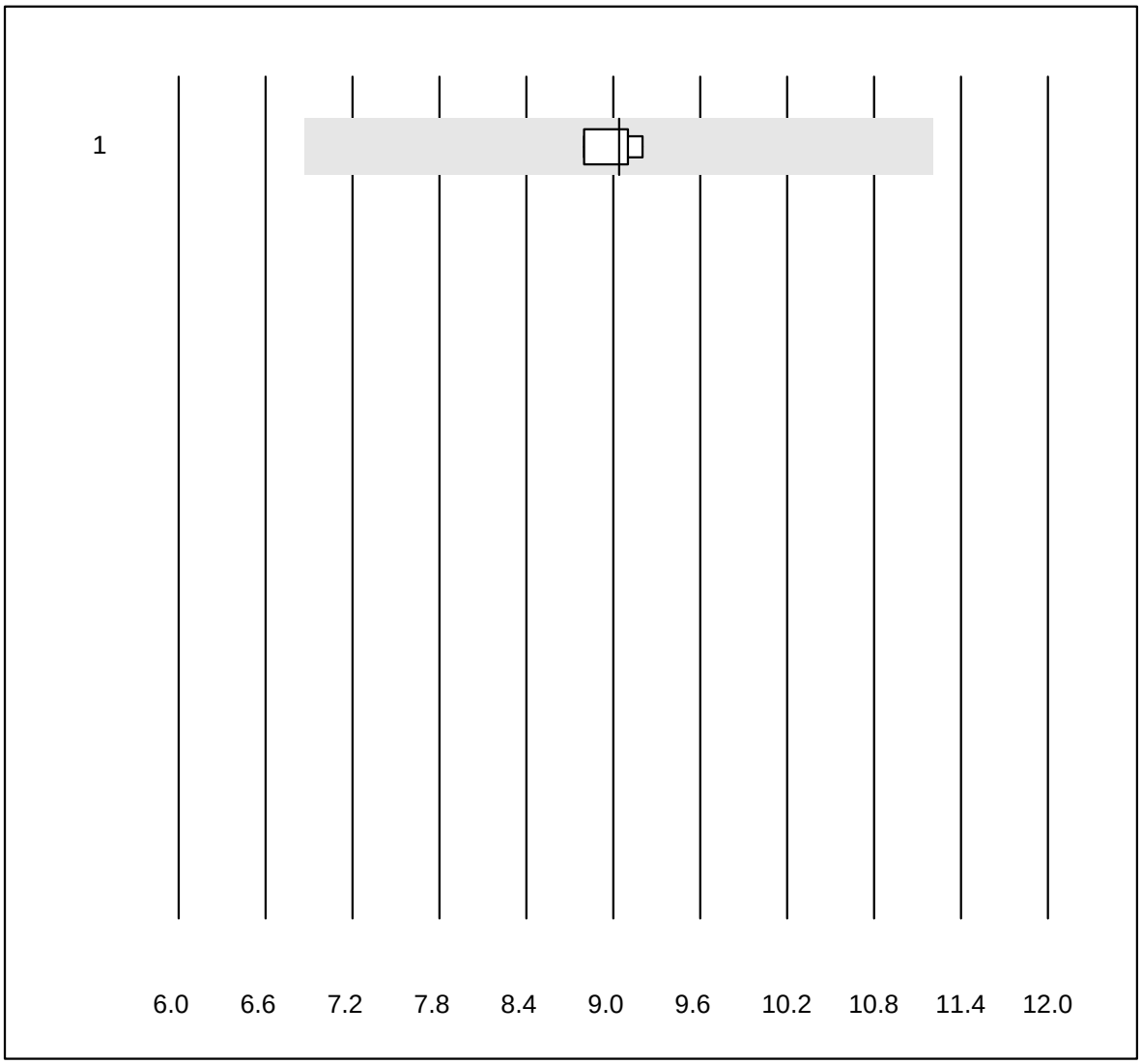
# Cortisol




QUALAB tolerance : 20 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Cobas E / Elecsys | 6 | 100.0 | 0.0 | 0.0 | 278 | 10.3 | e* |
| 2 | ADVIA Centaur XP/CP | 4 | 100.0 | 0.0 | 0.0 | 315 | 10.0 | e* |

# Luteinizing hormone

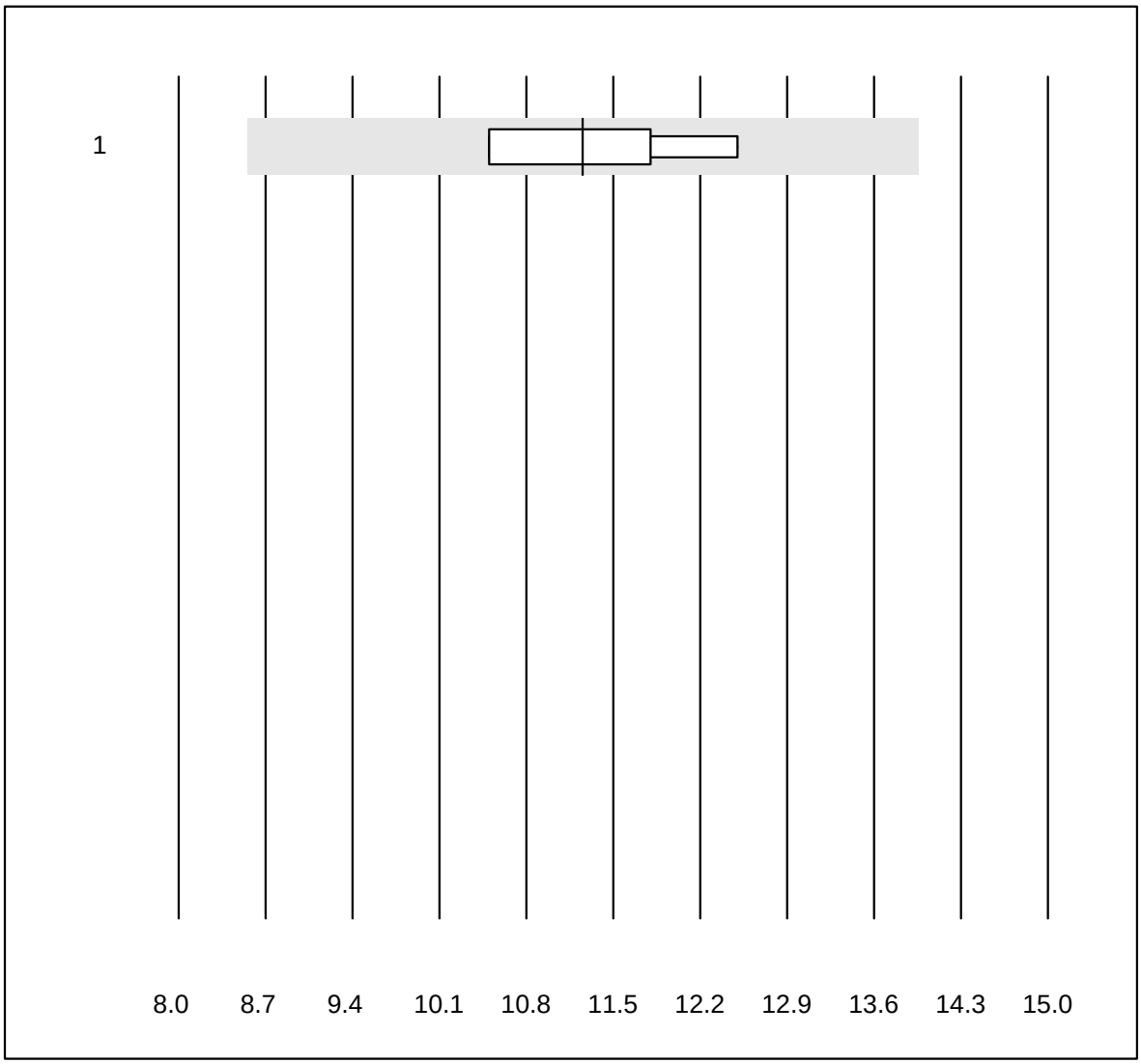



QUALAB tolerance : 24 %

Luteinizing hormone (U/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | ADVIA Centaur XP/CP | 4 | 100.0 | 0.0 | 0.0 | 9.0 | 1.9 | e |

# Follicle-stimulating hormone

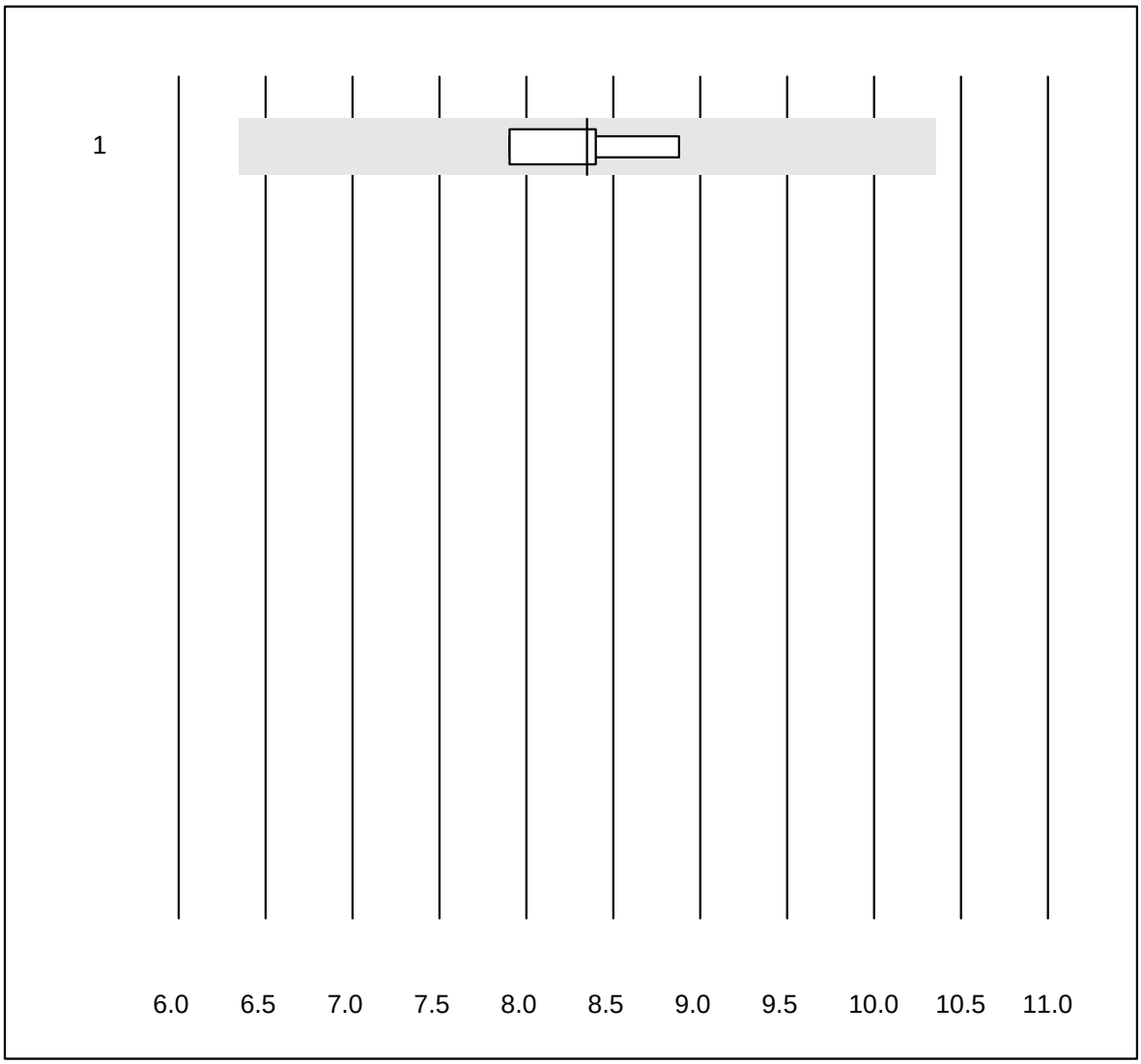



QUALAB tolerance : 24 %

Follicle-stimulating hormone (U/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | ADVIA Centaur XP/CP | 4 | 100.0 | 0.0 | 0.0 | 11.3 | 8.3 | e* |

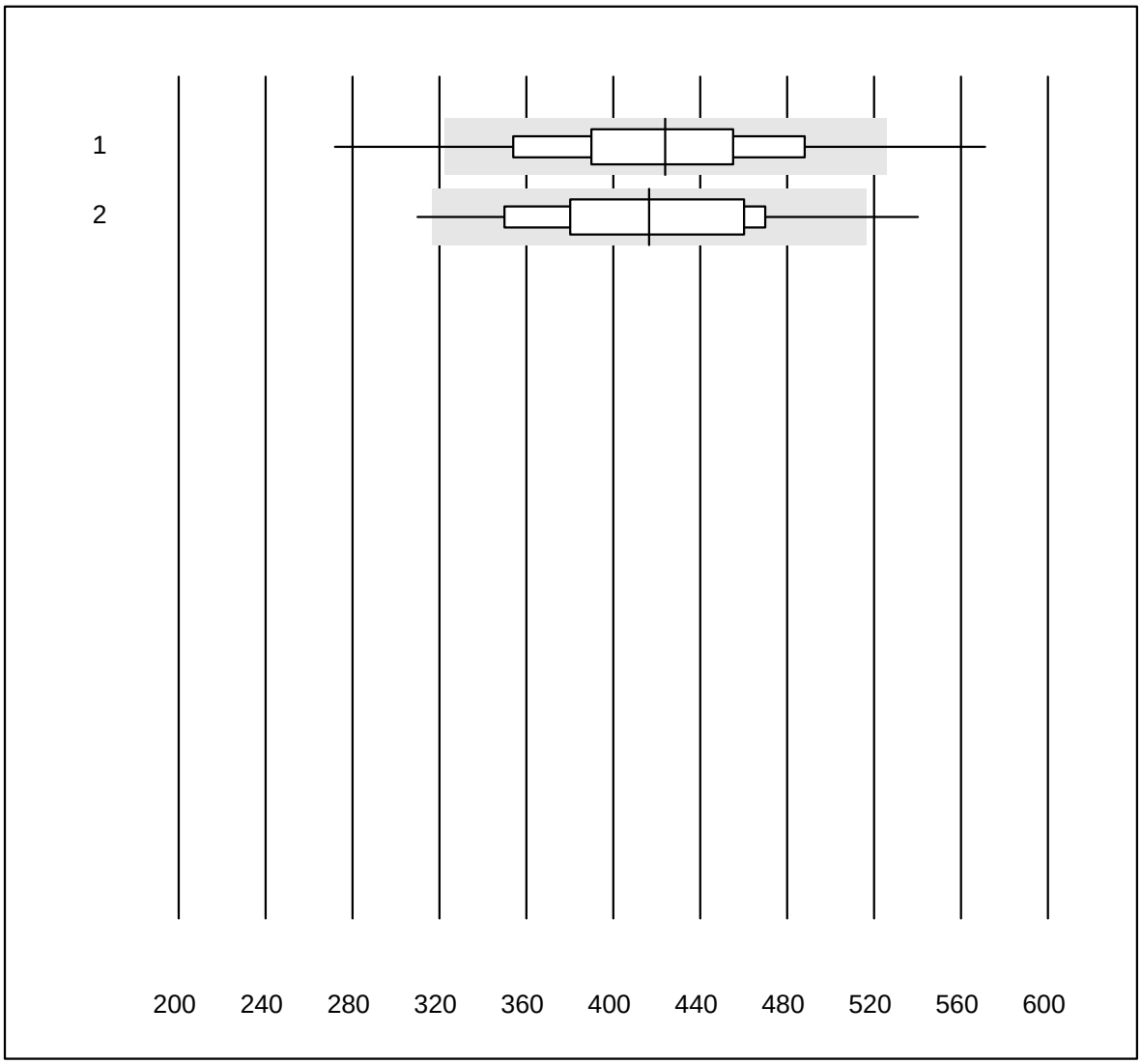
# Prolactine




QUALAB tolerance : 24 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | ADVIA Centaur XP/CP | 4 | 100.0 | 0.0 | 0.0 | 8.3 | 4.8 | e |

# Troponin T CR

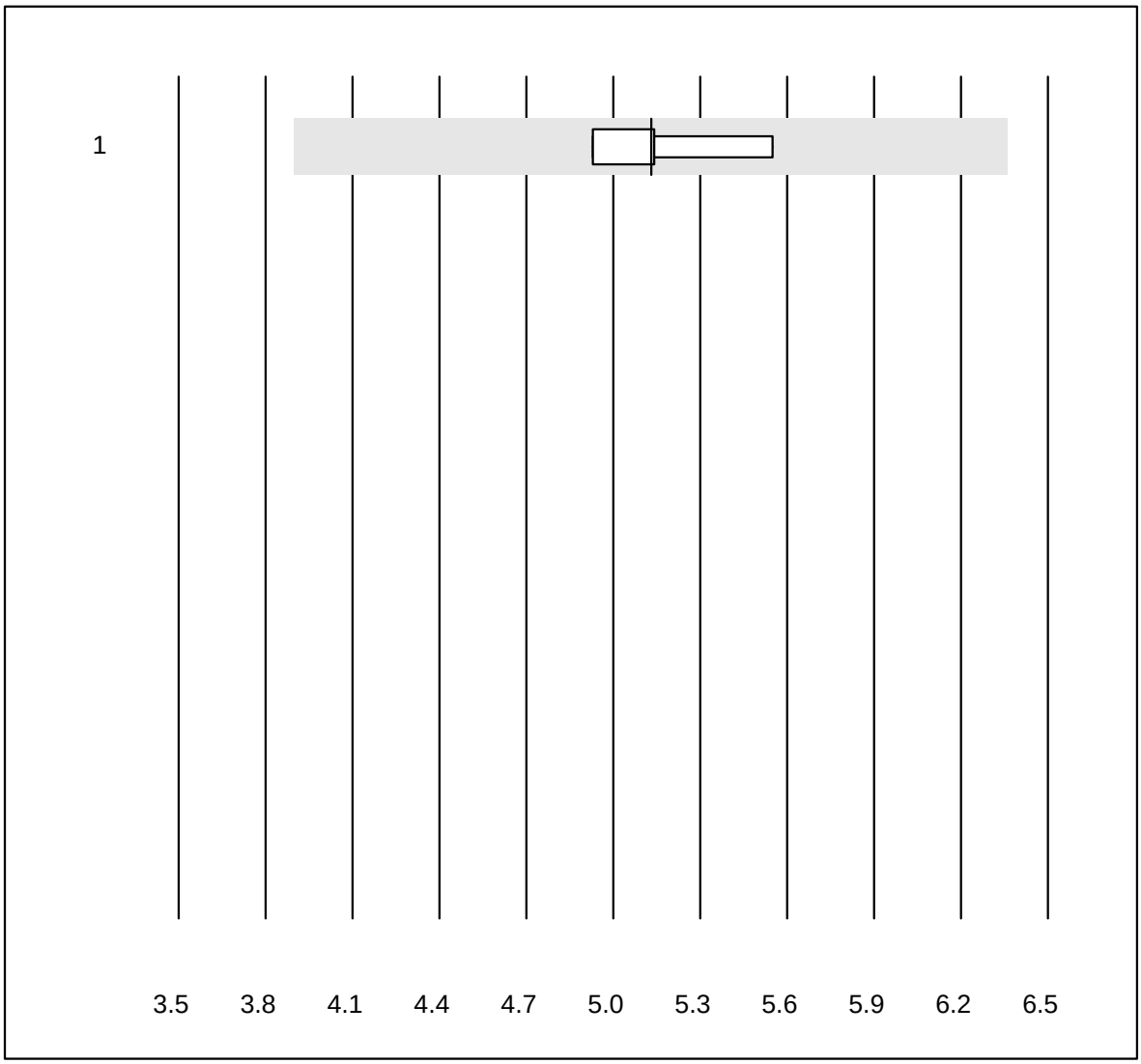



QUALAB tolerance : 24 %

Troponin T CR (ng/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Cobas h 232 | 869 | 93.2 | 5.5 | 1.3 | 424.00 | 12.5 | e |
| 2 | Cardiac Reader | 51 | 88.3 | 7.8 | 3.9 | 416.45 | 13.1 | e |

# Troponin I WB

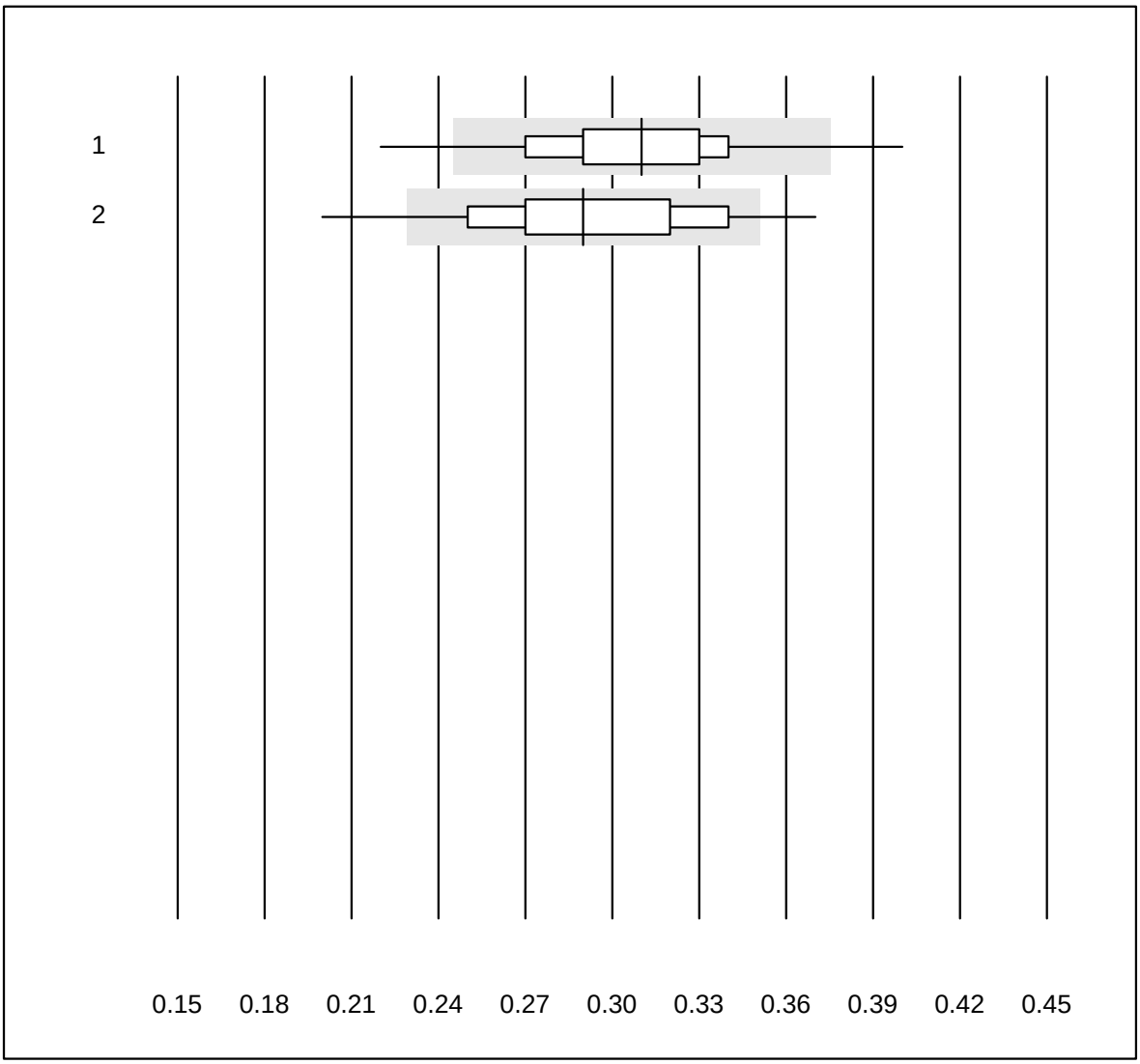



QUALAB tolerance : 24 %

Troponin I WB (ng/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | iStat | 4 | 100.0 | 0.0 | 0.0 | 5.13 | 5.0 | e |

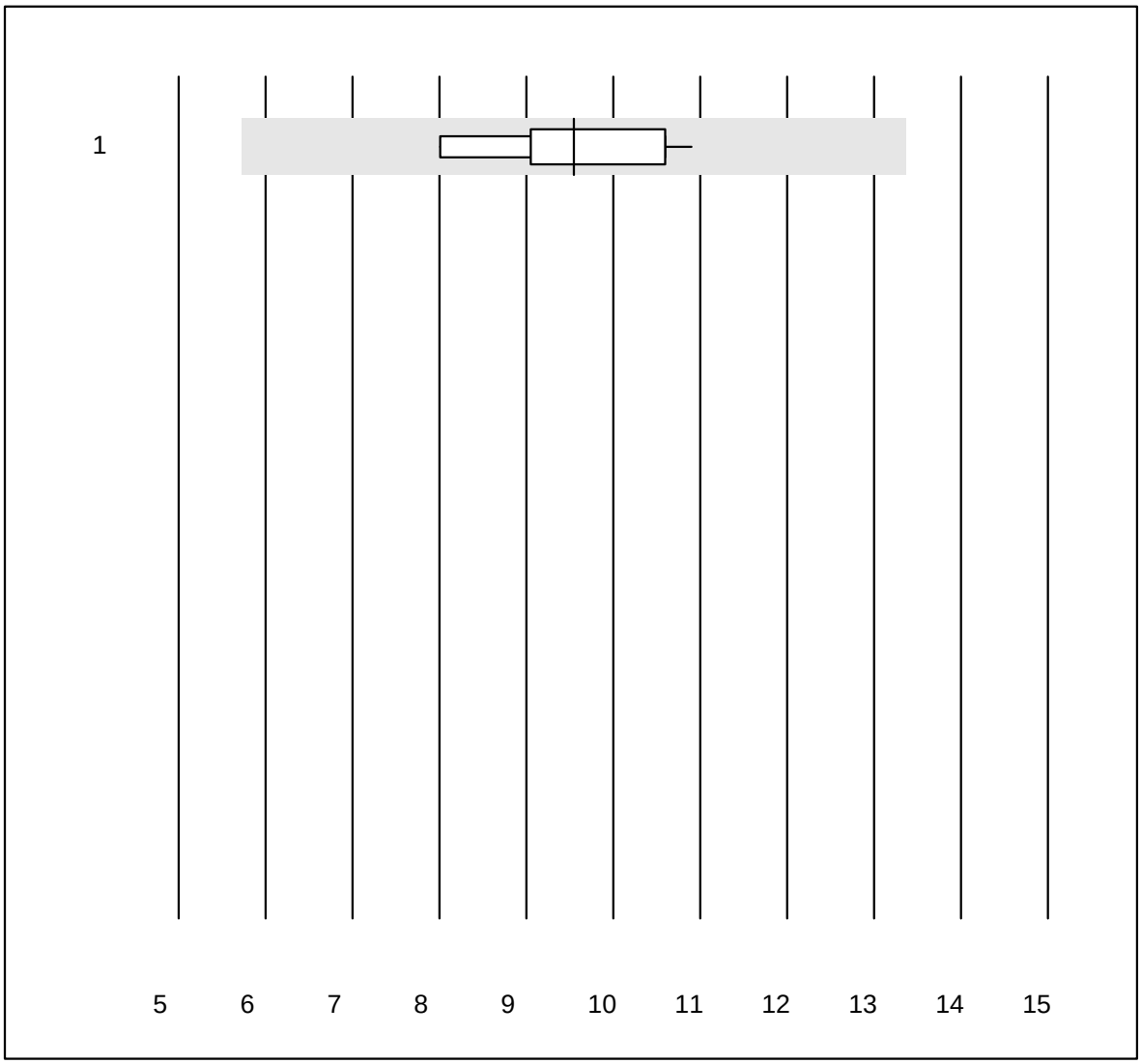
# D-dimer CR




QUALAB tolerance : 21 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Cobas h 232 | 898 | 93.9 | 3.9 | 2.2 | 0.31 | 9.4 | e |
| 2 | Cardiac Reader | 41 | 92.7 | 7.3 | 0.0 | 0.29 | 12.7 | e |

# CKMB - K8

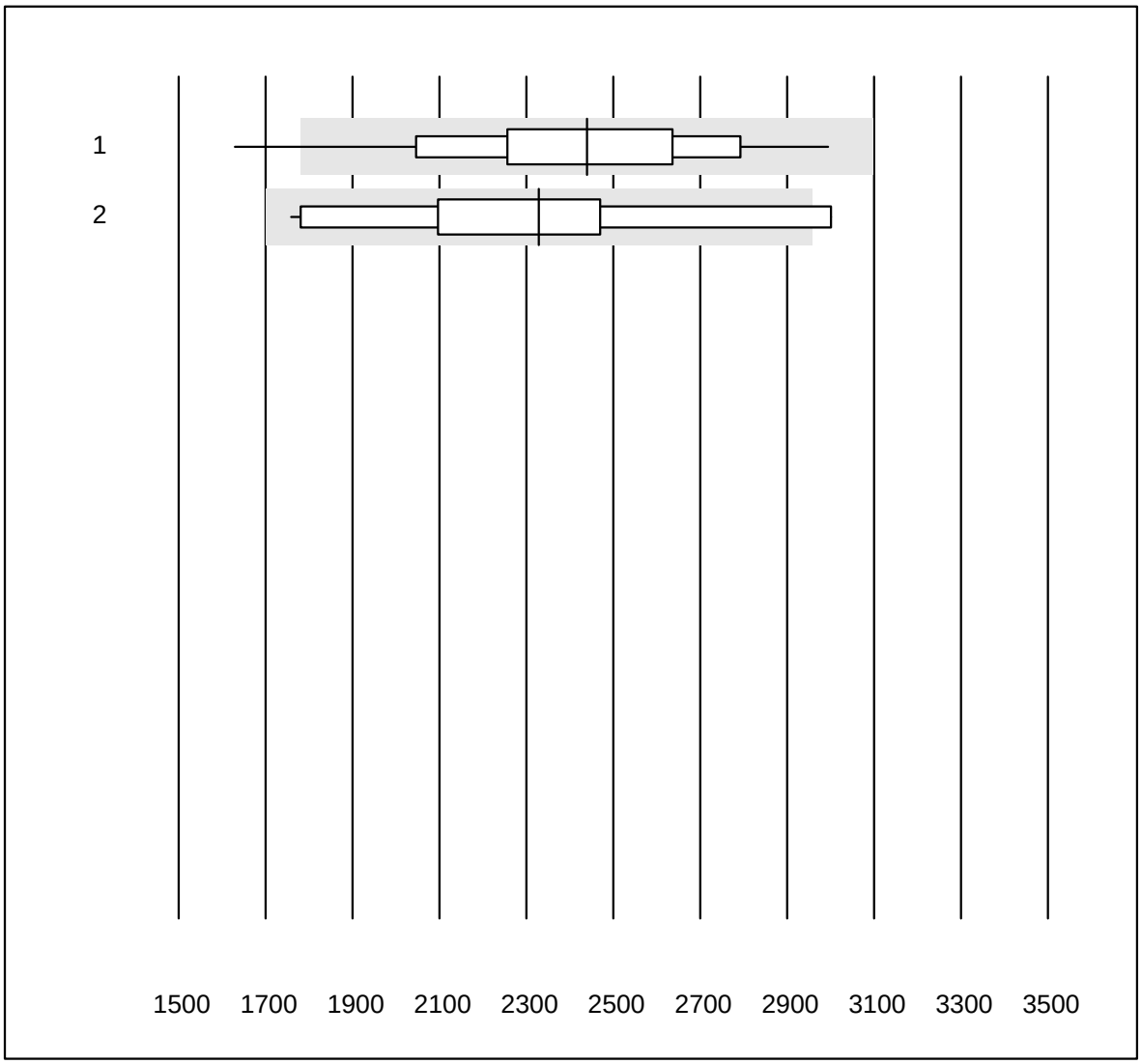



QUALAB tolerance : 40 %

CKMB - K8 (µg/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Cobas h 232 | 10 | 100.0 | 0.0 | 0.0 | 9.5 | 10.1 | e |

# proBNP CR

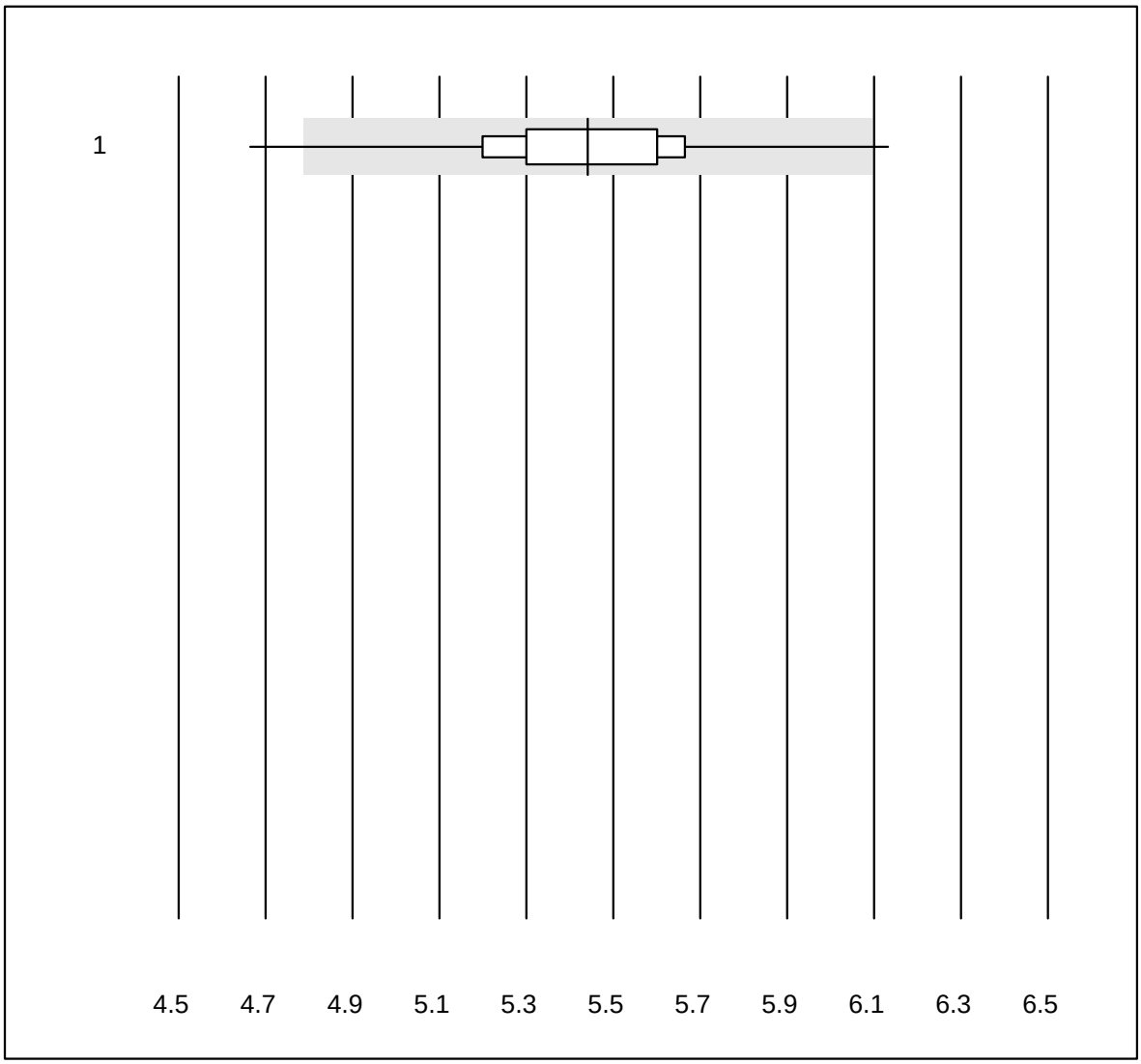



QUALAB tolerance : 27 %

proBNP CR (ng/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Cobas h 232 | 543 | 95.2 | 1.7 | 3.1 | 2439 | 11.5 | e |
| 2 | Cardiac Reader | 13 | 76.9 | 23.1 | 0.0 | 2329 | 19.0 | e* |

# PCO2 CCA

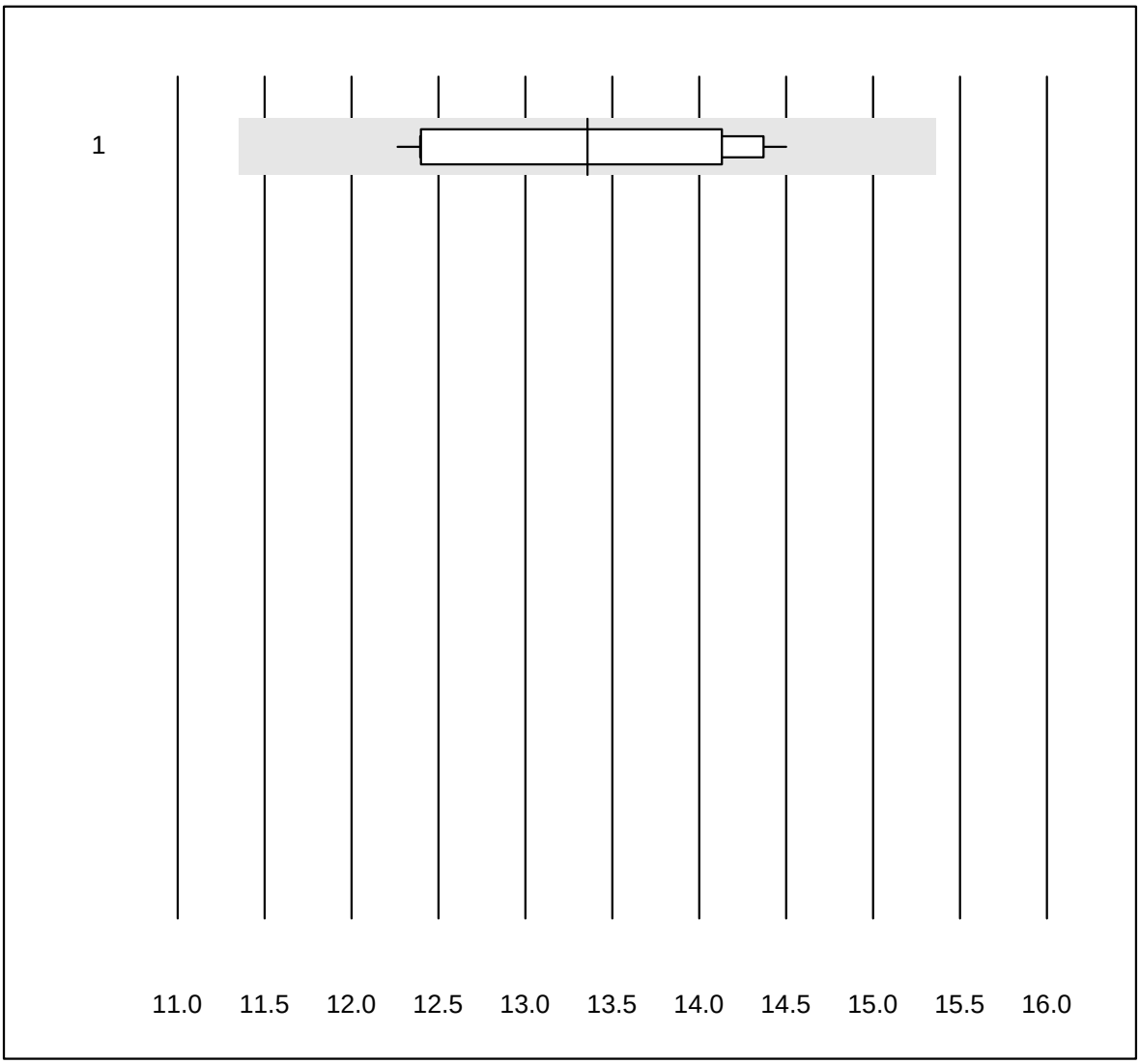



QUALAB tolerance : 12 %

PCO2 CCA (kPa)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | OPTI CCA | 13 | 84.6 | 15.4 | 0.0 | 5.44 | 6.2 | e* |

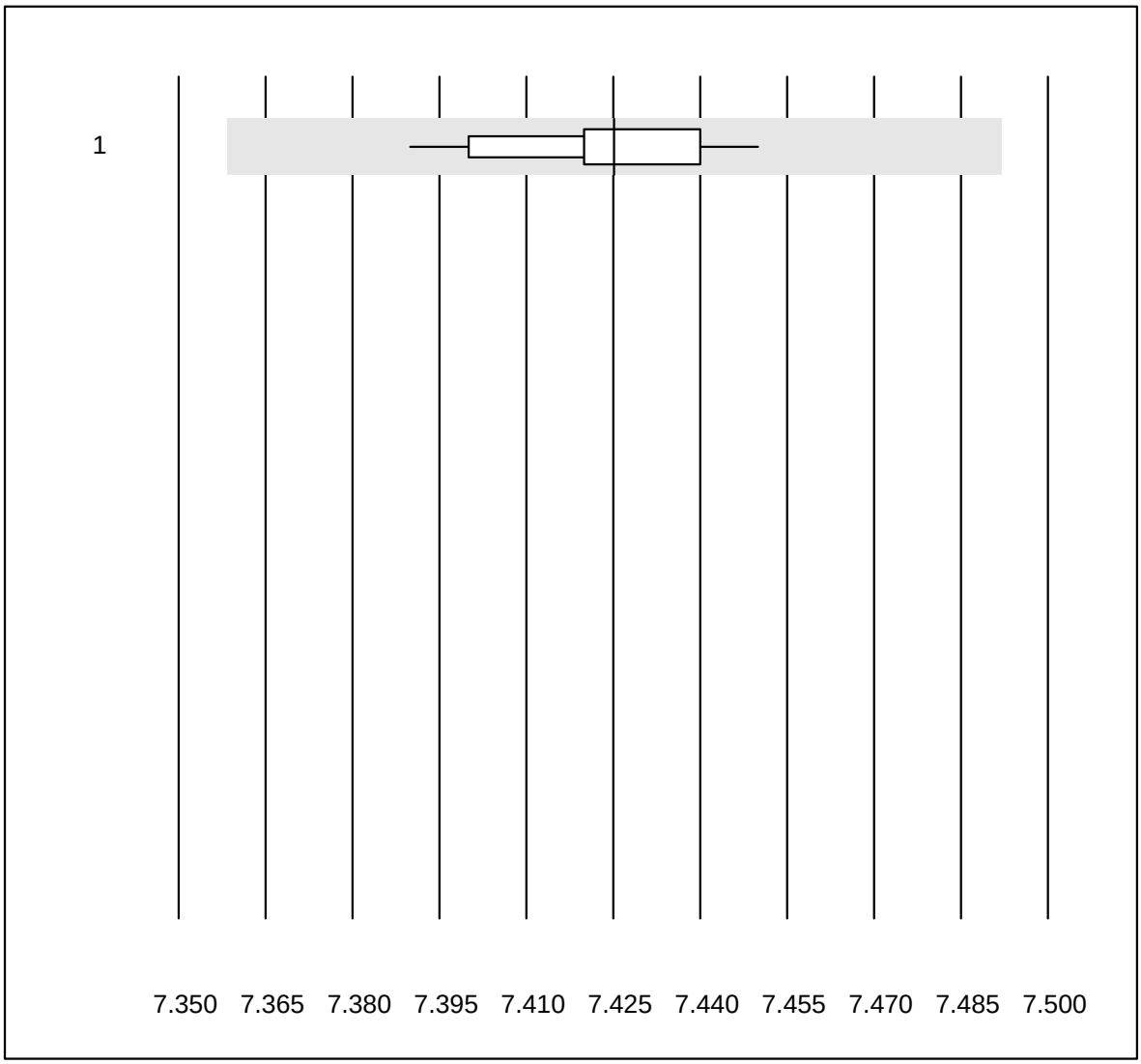
# PO2 CCA




QUALAB tolerance : 15 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | OPTI CCA | 13 | 92.3 | 0.0 | 7.7 | 13.36 | 6.7 | e* |

# pH CCA

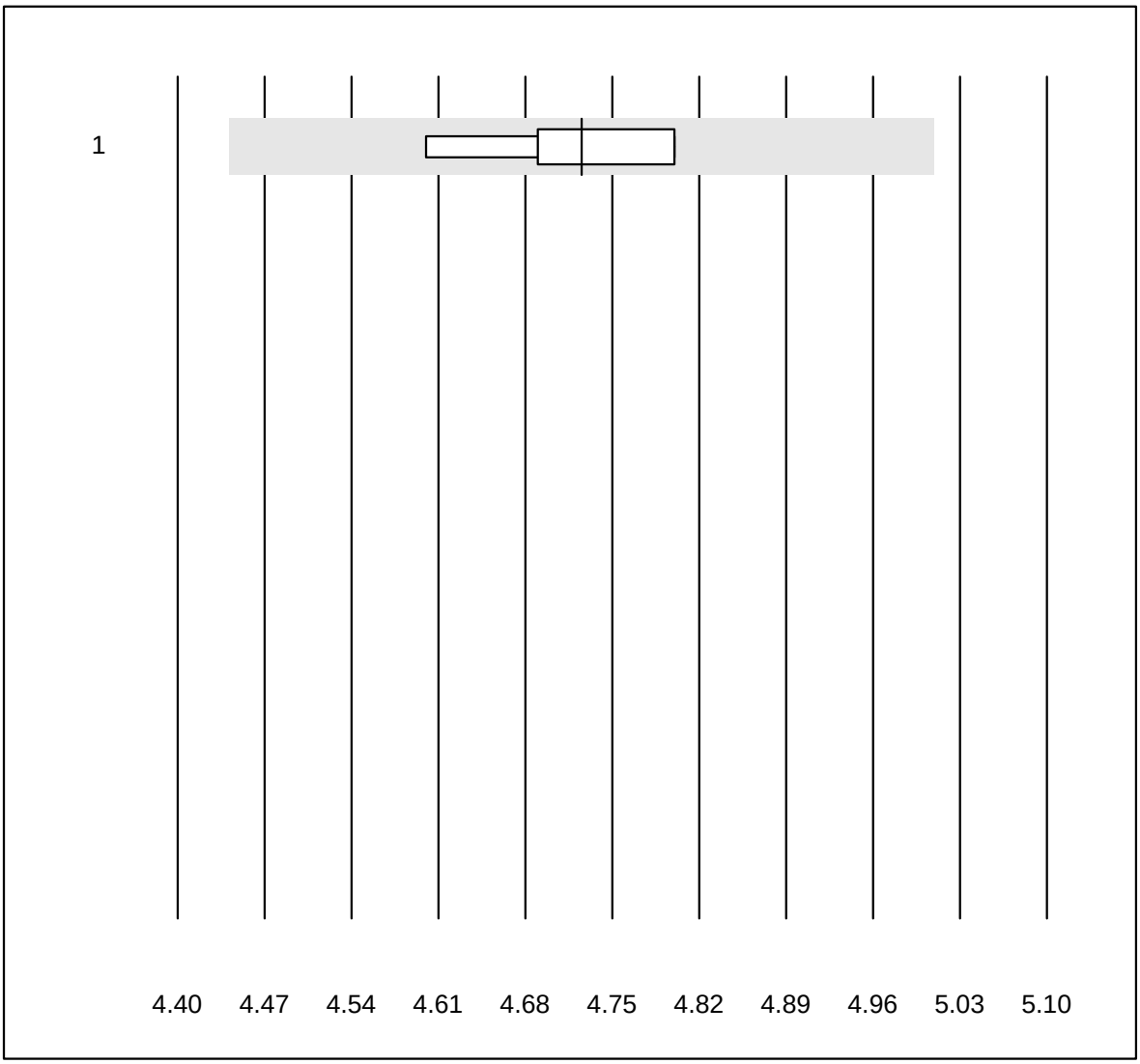



QUALAB tolerance : 1 %

pH CCA ()

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | OPTI CCA | 13 | 100.0 | 0.0 | 0.0 | 7.43 | 0.2 | e |

# Potassium CCA

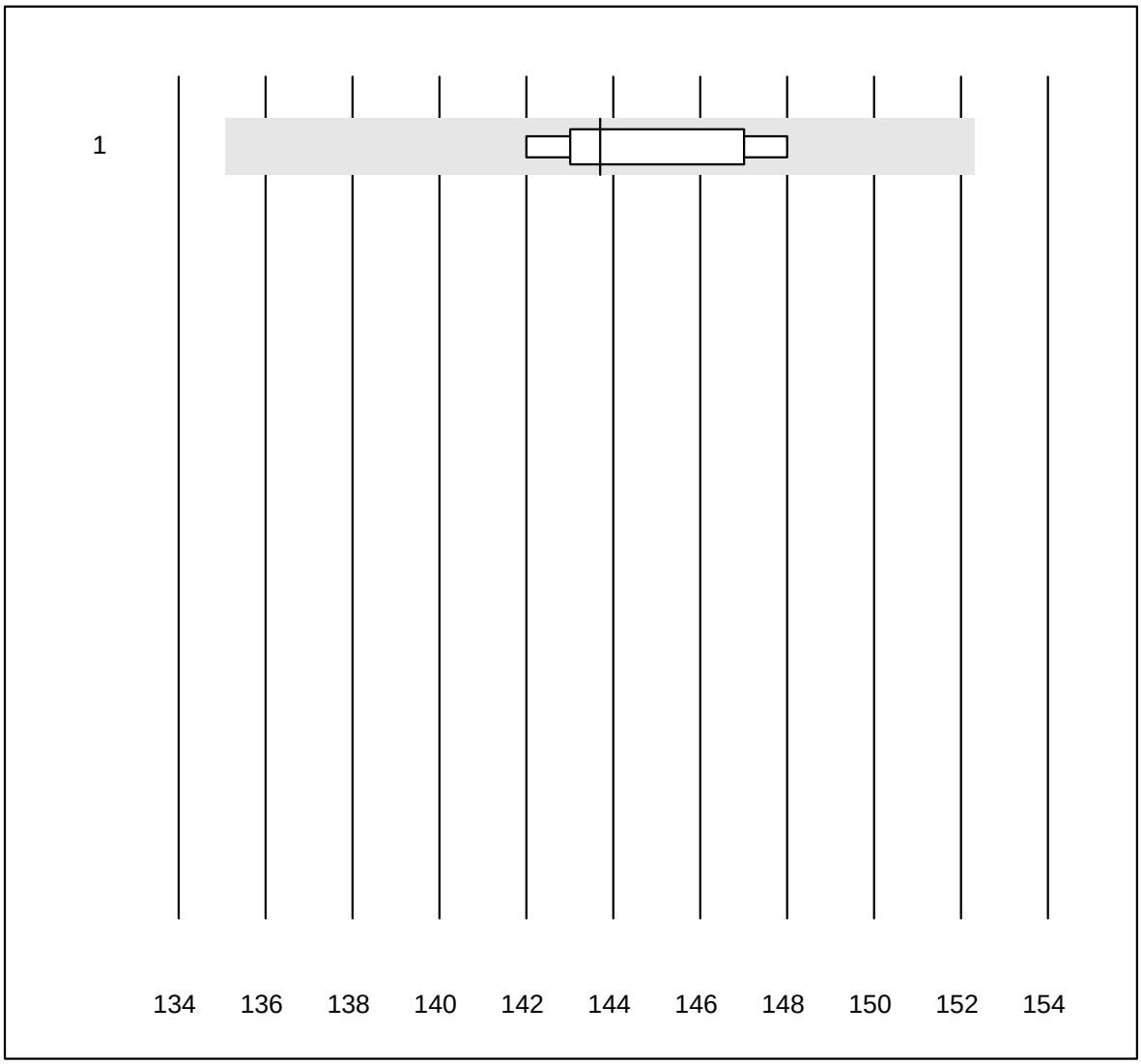



QUALAB tolerance : 6 %

Potassium CCA (mmol/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | OPTI CCA | 8 | 100.0 | 0.0 | 0.0 | 4.7 | 1.5 | e |

# Sodium CCA

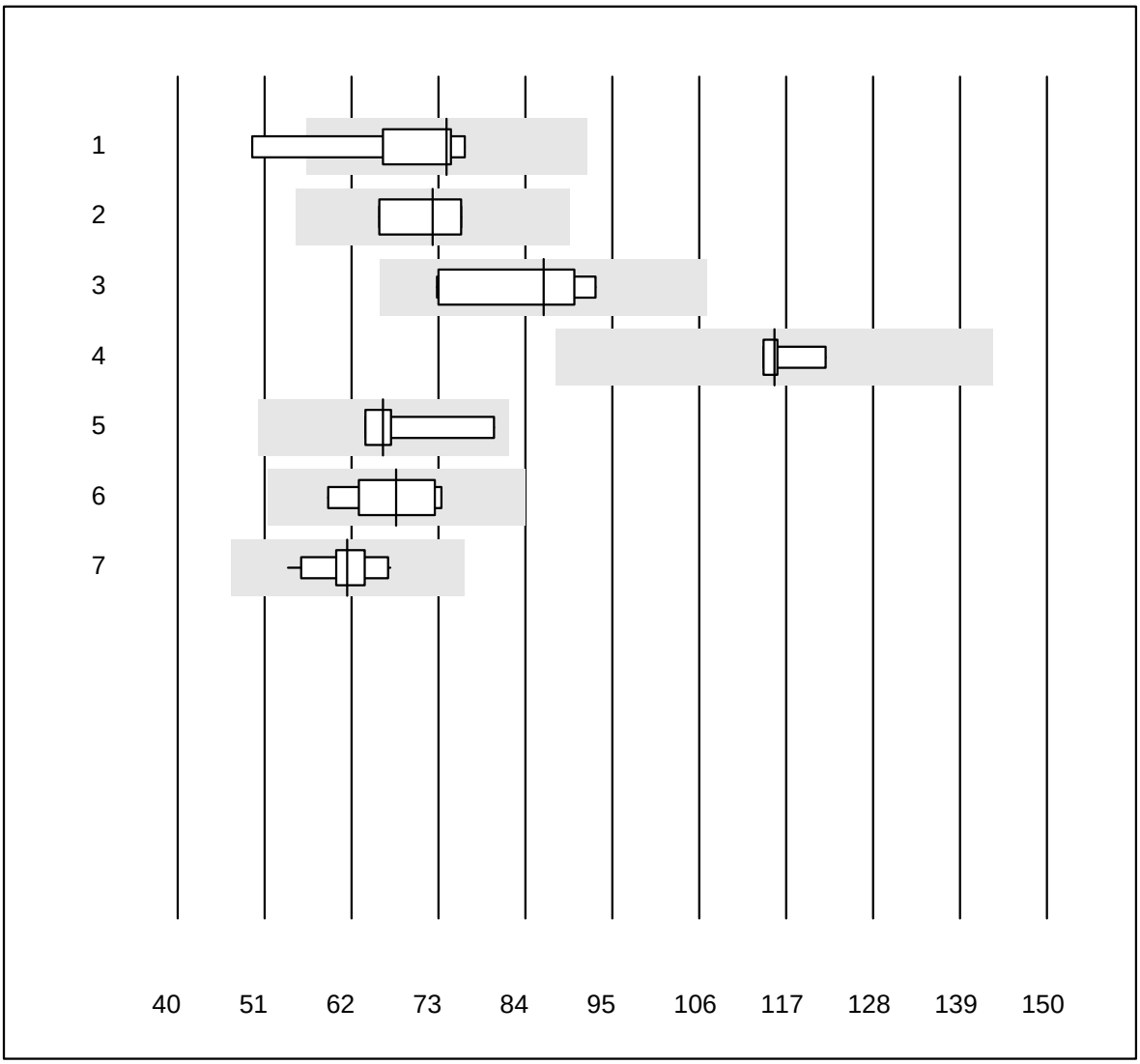



QUALAB tolerance : 6 %

Sodium CCA (mmol/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | OPTI CCA | 7 | 100.0 | 0.0 | 0.0 | 143.7 | 1.6 | e |

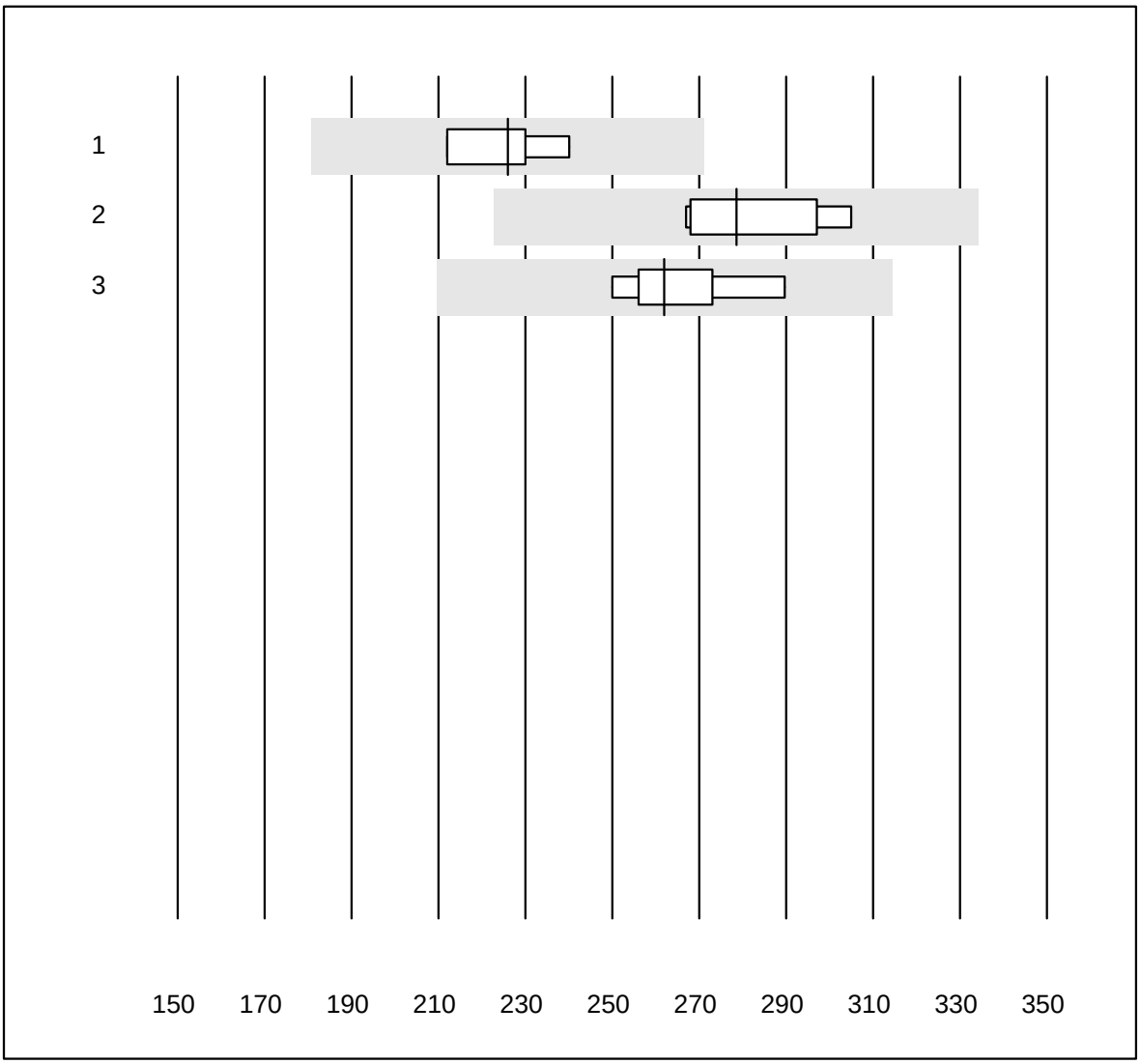
# Ferritin




QUALAB tolerance : 24 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Beckman | 5 | 80.0 | 20.0 | 0.0 | 74.00 | 16.4 | e* |
| 2 | all Participants | 4 | 75.0 | 0.0 | 25.0 | 72.28 | 7.5 | e* |
| 3 | Cobas E / Elecsys | 8 | 100.0 | 0.0 | 0.0 | 86.29 | 10.4 | e* |
| 4 | Architect | 4 | 100.0 | 0.0 | 0.0 | 115.48 | 3.1 | e |
| 5 | Mira/DiaSys | 5 | 80.0 | 0.0 | 20.0 | 66.00 | 10.6 | e* |
| 6 | Mini Vidas | 6 | 100.0 | 0.0 | 0.0 | 67.65 | 9.1 | e* |
| 7 | Eurolyser | 17 | 94.1 | 0.0 | 5.9 | 61.49 | 6.1 | e |

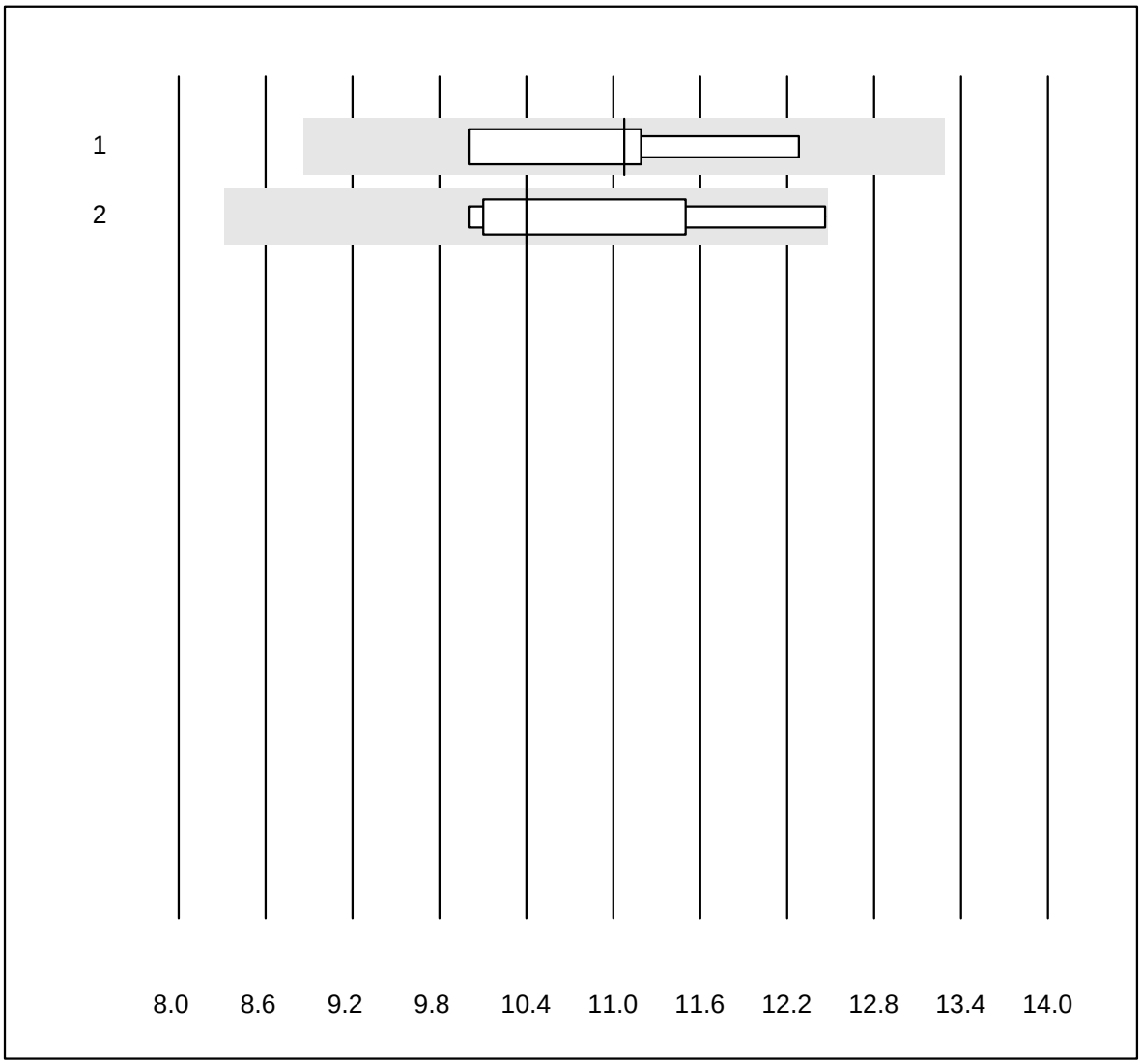
# Vitamin B12




QUALAB tolerance : 20 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | ADVIA Centaur XP/CP | 4 | 100.0 | 0.0 | 0.0 | 226.00 | 5.3 | e* |
| 2 | Cobas E / Elecsys | 7 | 100.0 | 0.0 | 0.0 | 278.50 | 5.4 | e |
| 3 | Architect | 6 | 100.0 | 0.0 | 0.0 | 262.00 | 5.4 | e |

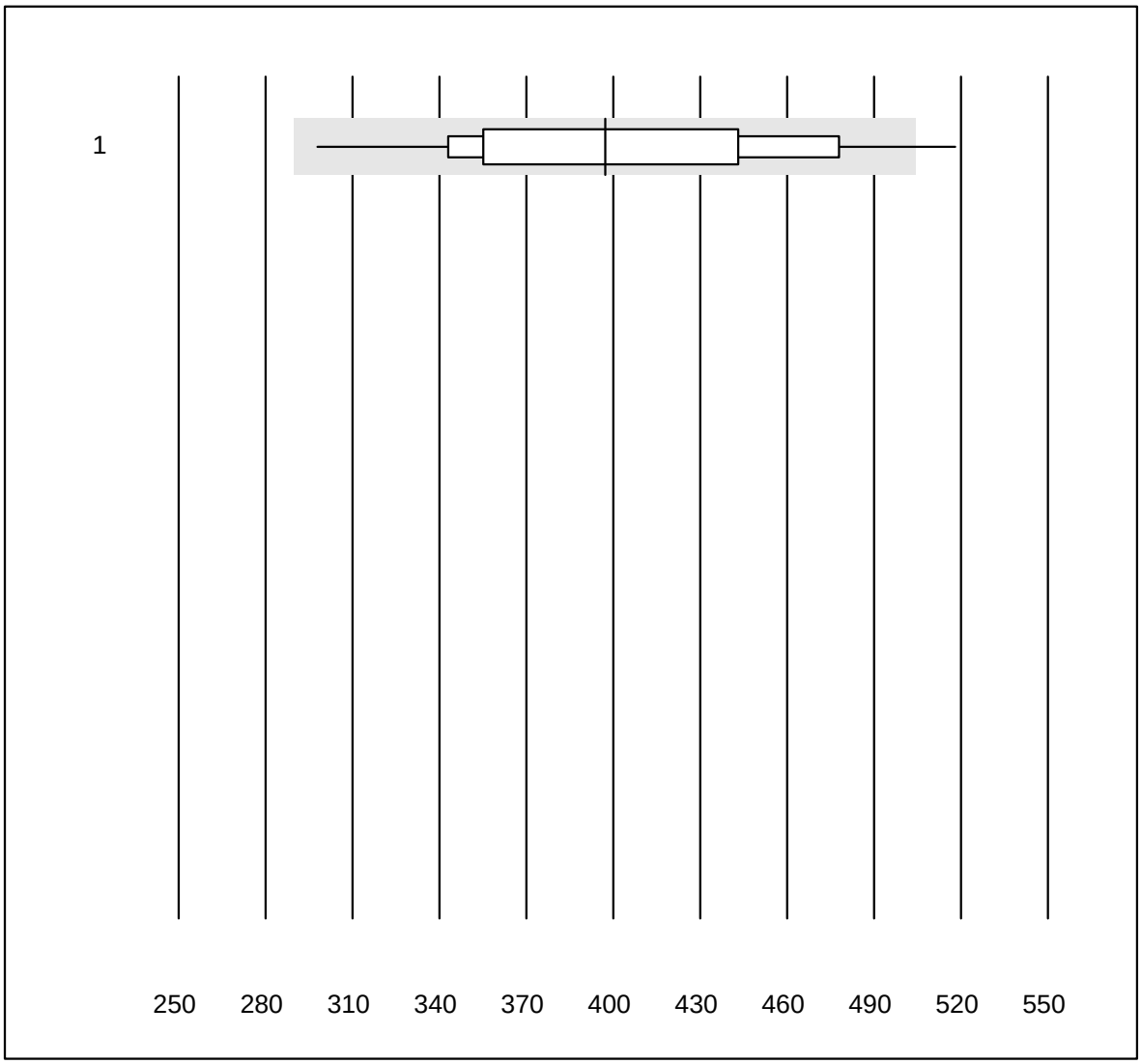
# Folate




QUALAB tolerance : 20 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Cobas alt | 4 | 100.0 | 0.0 | 0.0 | 11.08 | 8.4 | a |
| 2 | Architect | 5 | 100.0 | 0.0 | 0.0 | 10.40 | 9.7 | e* |

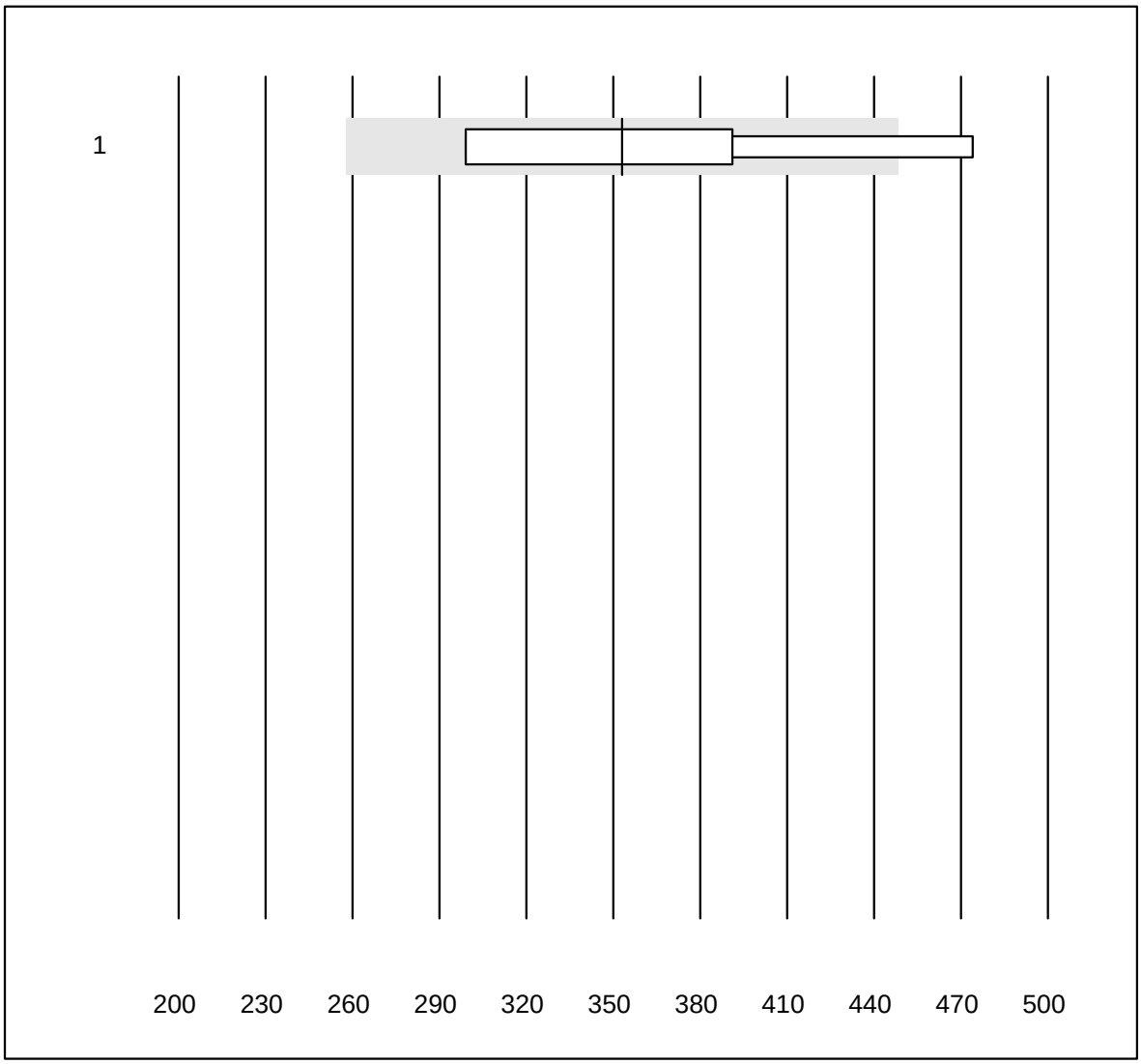
# BNP




QUALAB tolerance : 27 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Triage | 43 | 86.1 | 2.3 | 11.6 | 397.1 | 13.4 | e |

# NT-Pro-BNP

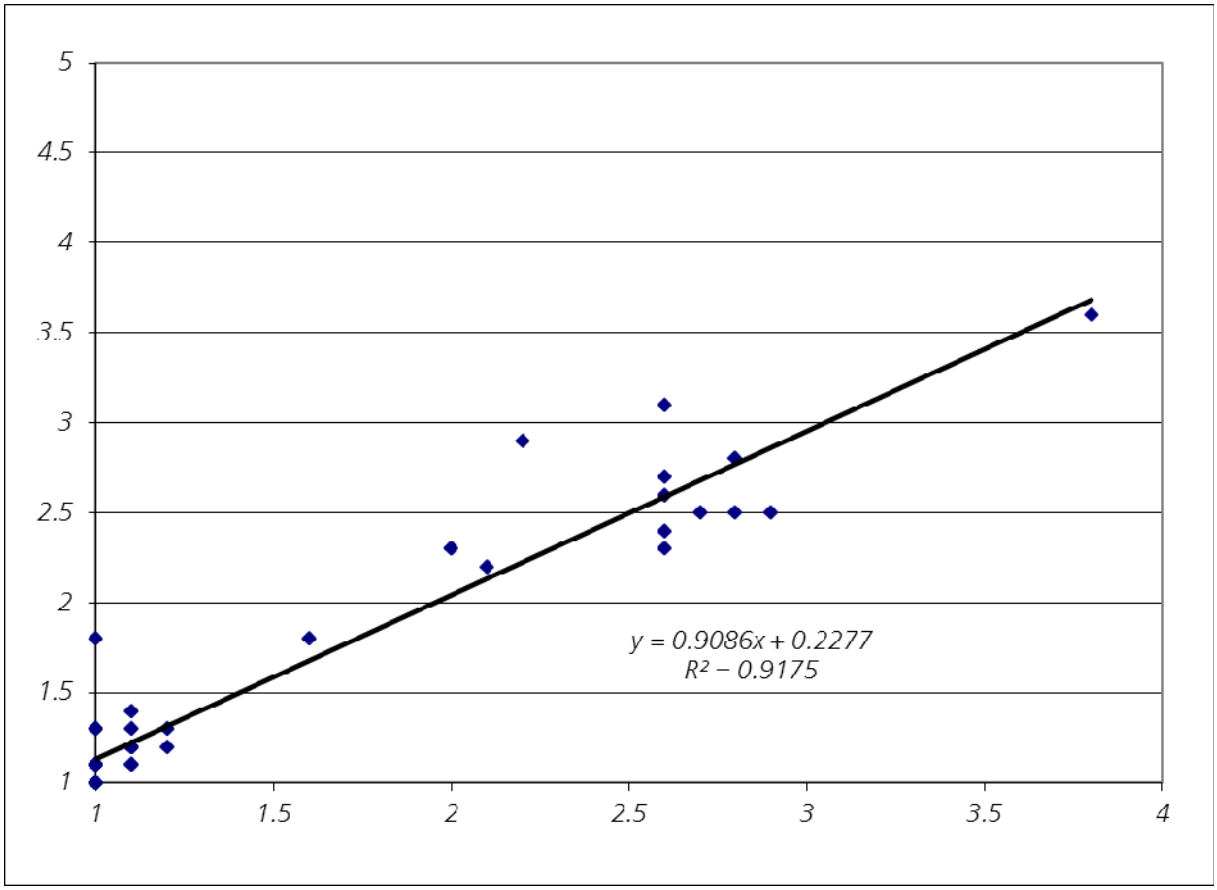



QUALAB tolerance : 27 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Triage | 9 | 33.3 | 11.1 | 55.6 | 353 | 19.4 | e* |

# INR INRatio

University Hospital Zuerich

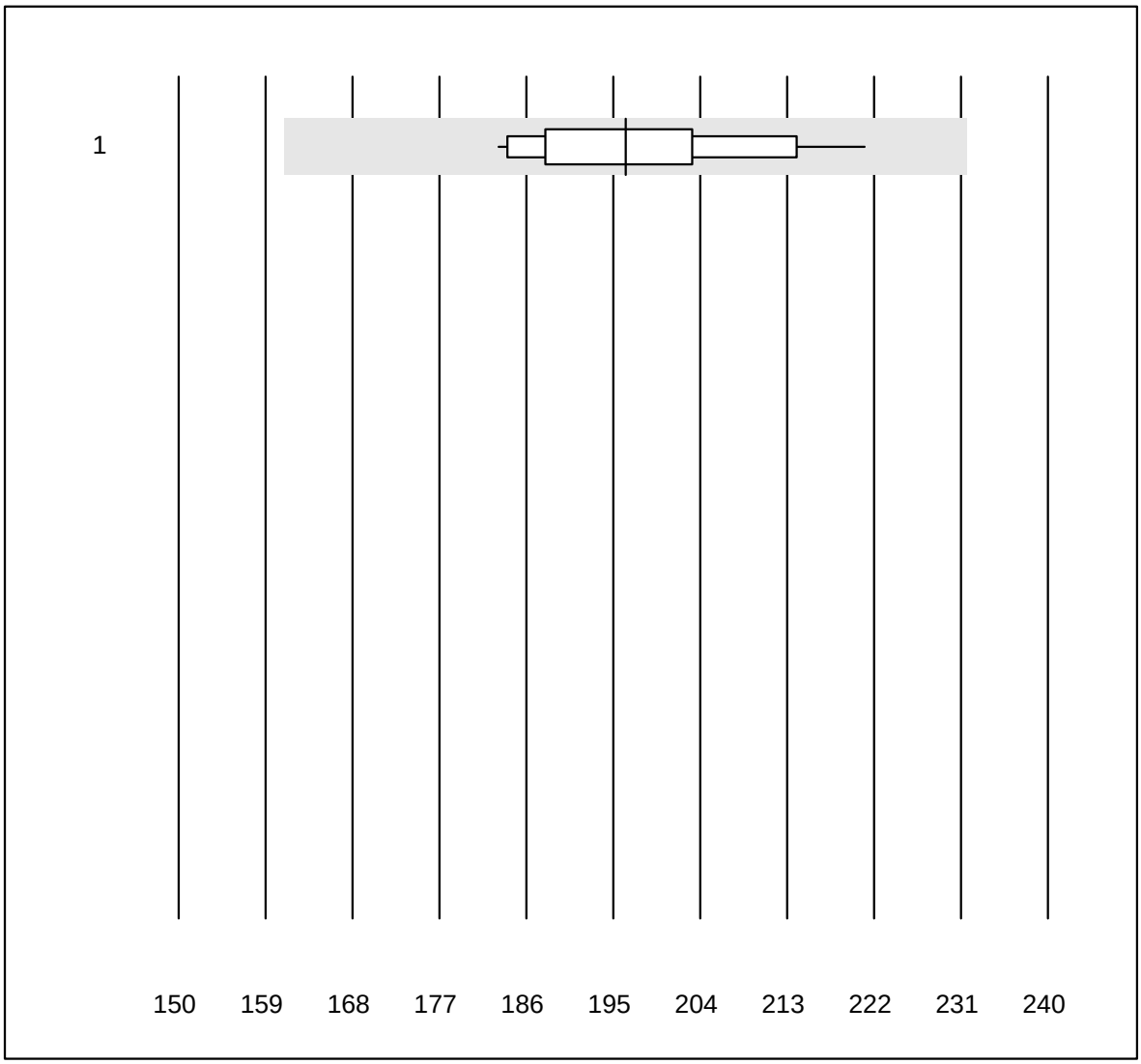



INRatio Participants

G10 is a split-sample survey. We compare INR-values from our participans with the corresponding plasma INR from University Hospital Zuerich.

| Nr. | Device | Total | % good | % insufficient | % outlier |
|---|---|---|---|---|---|
| 1 | INRatio | 50 | 82.00 | 8.00 | 10.00 |

# Bilirubin total Neo

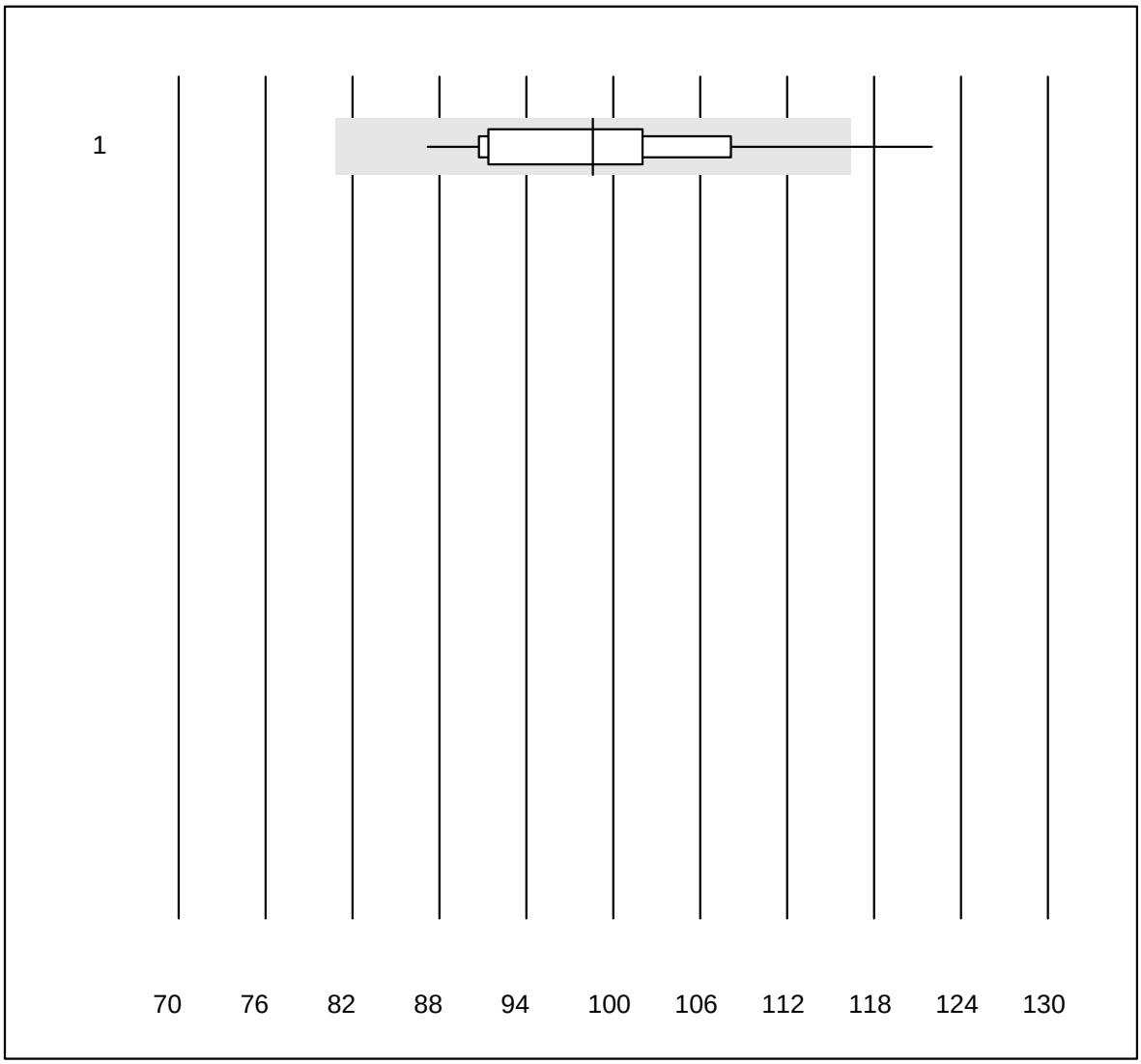



QUALAB tolerance : 18 %

Bilirubin total Neo (µmol/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | all Participants | 14 | 100.0 | 0.0 | 0.0 | 196 | 5.8 | e |

# Bilirubin direct

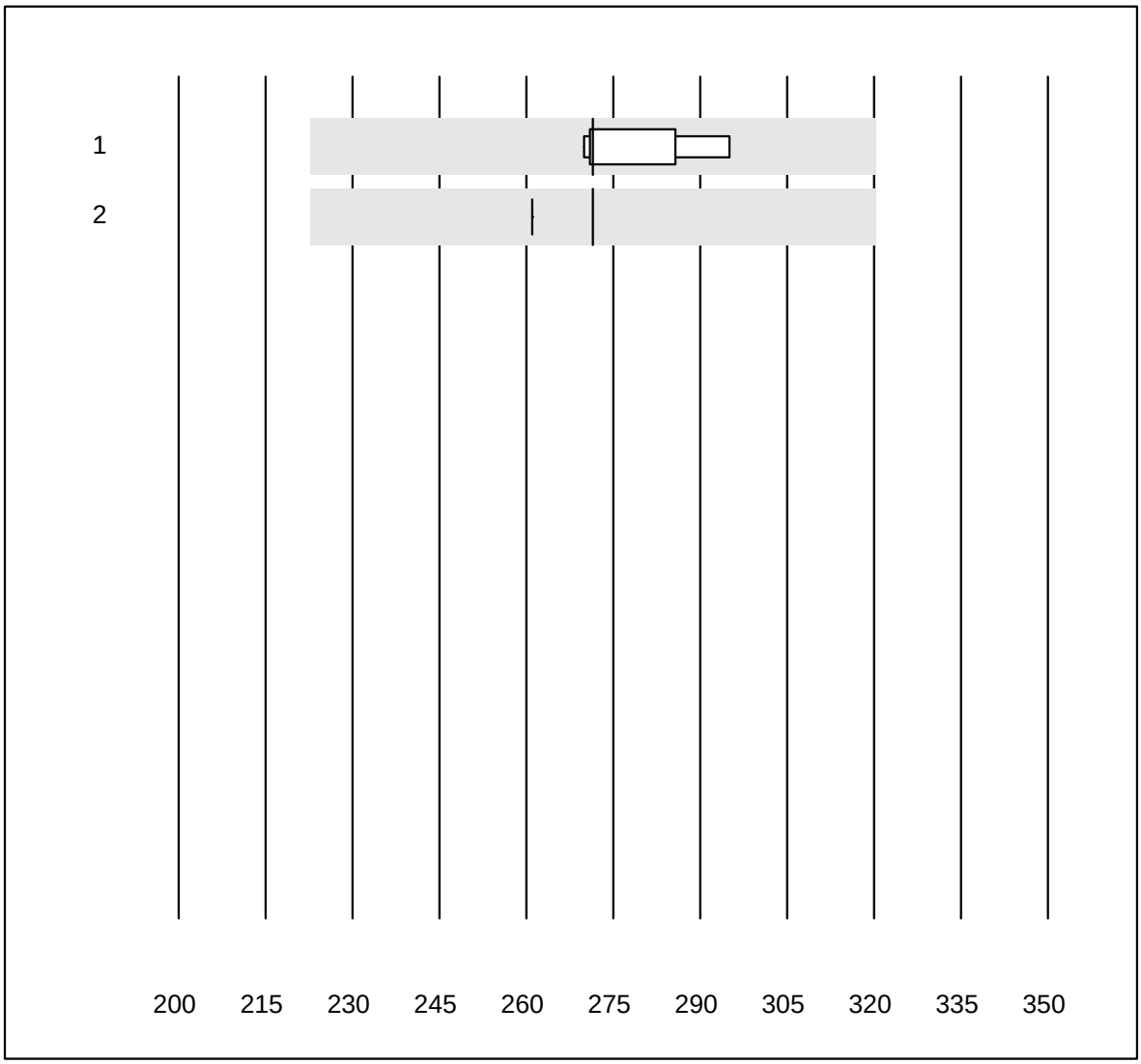



QUALAB tolerance : 18 %

Bilirubin direct (µmol/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | all Participants | 12 | 91.7 | 8.3 | 0.0 | 99 | 9.7 | e* |

# Bilirubin neonatal

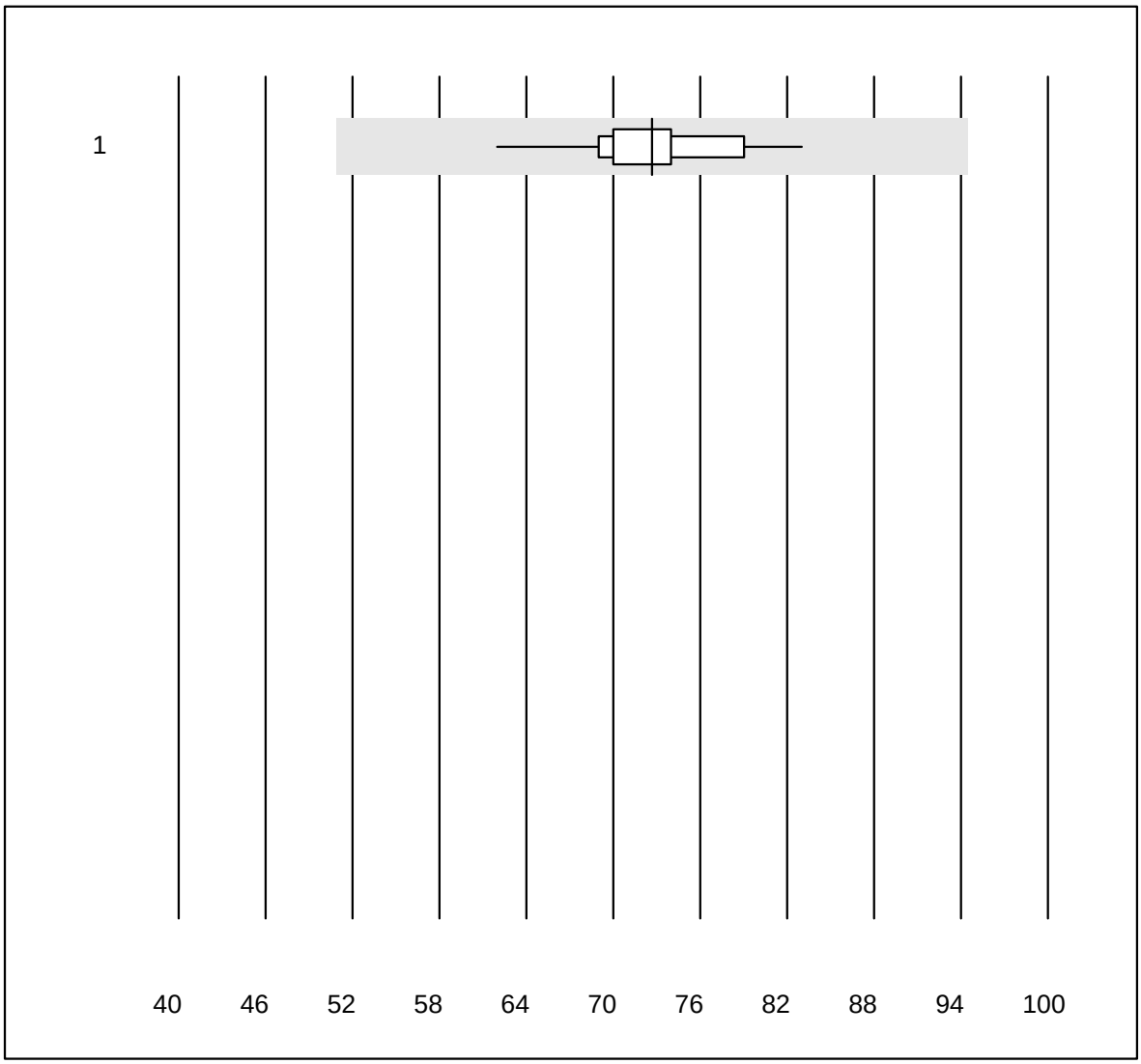



QUALAB tolerance : 18 %

Bilirubin neonatal (µmol/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | all Participants | 6 | 100.0 | 0.0 | 0.0 | 272 | 3.8 | e |
| 2 | ABL700/800 | 4 | 25.0 | 0.0 | 75.0 | 272 | 0.0 | a |

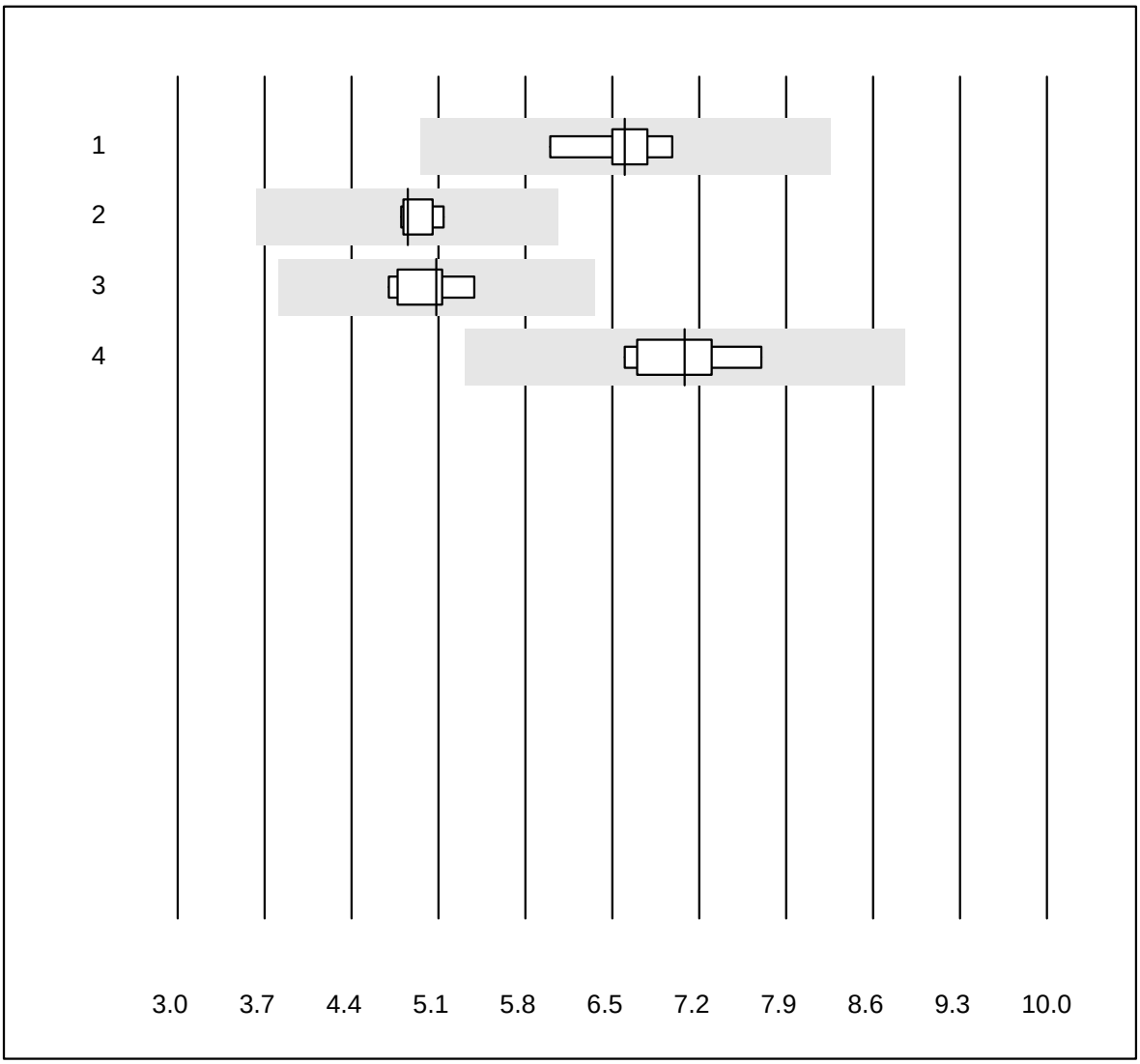
# CK-MB




QUALAB tolerance : 30 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Fuji Dri-Chem | 44 | 100.0 | 0.0 | 0.0 | 72.7 | 6.0 | e |

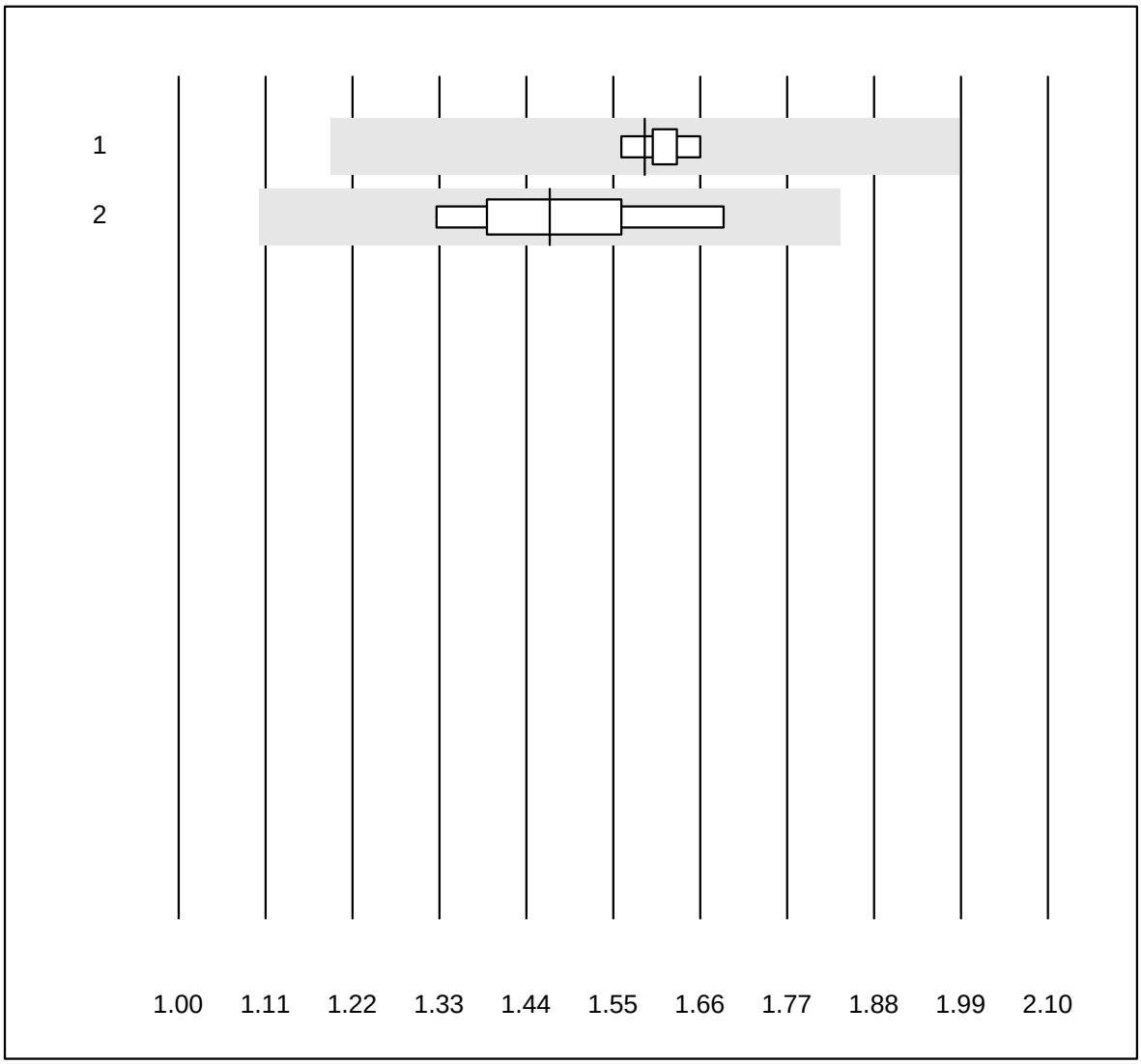
# PSA




QUALAB tolerance : 25 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Cobas E / Elecsys | 9 | 100.0 | 0.0 | 0.0 | 6.60 | 4.5 | a |
| 2 | ADVIA Centaur XP/CP | 5 | 100.0 | 0.0 | 0.0 | 4.85 | 3.1 | a |
| 3 | Architect | 6 | 100.0 | 0.0 | 0.0 | 5.09 | 5.0 | a |
| 4 | Qualigen | 6 | 83.3 | 0.0 | 16.7 | 7.08 | 6.3 | a |

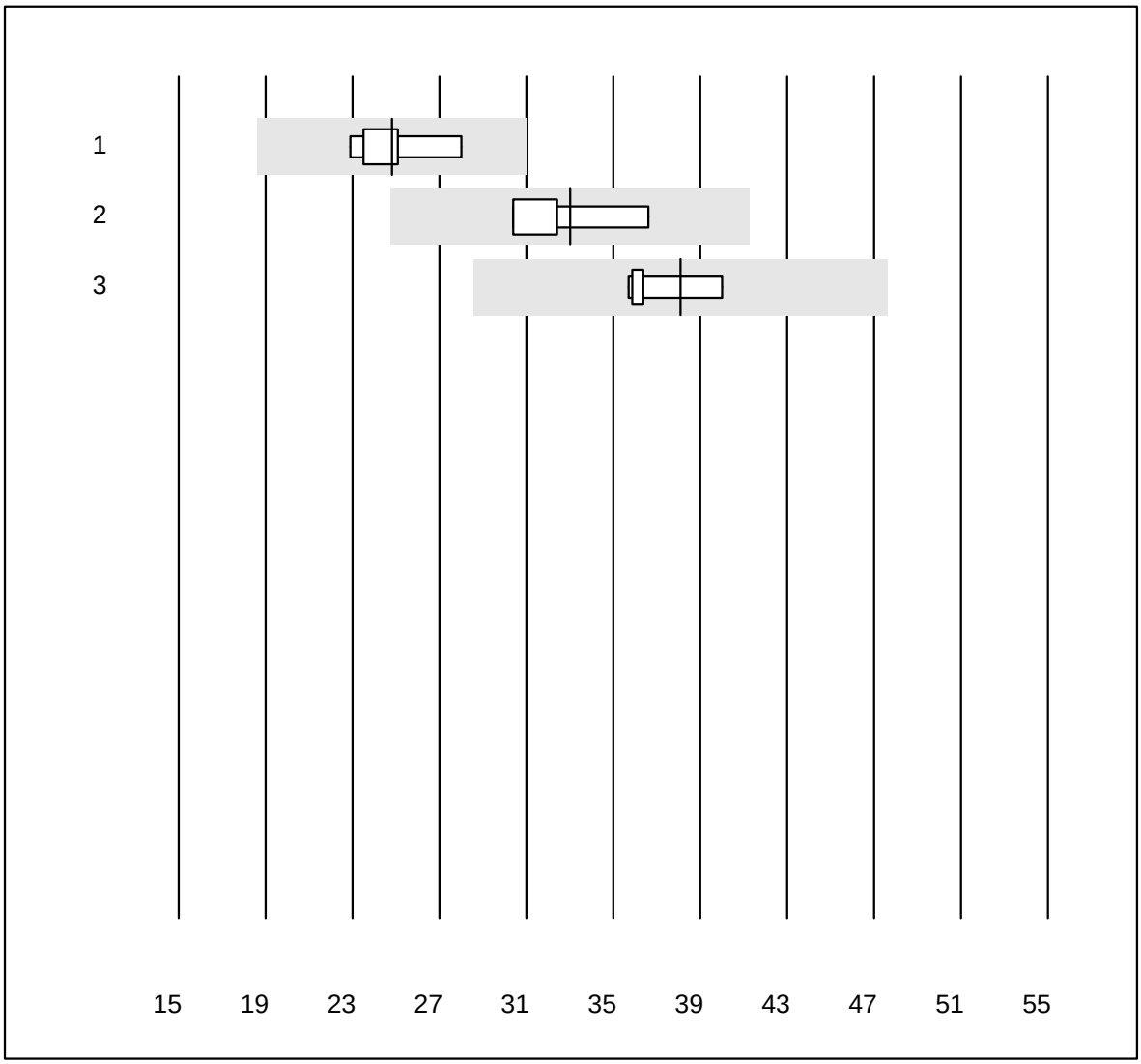
# free PSA




QUALAB tolerance : 25 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Cobas E / Elecsys | 5 | 100.0 | 0.0 | 0.0 | 1.59 | 2.3 | a |
| 2 | Architect | 5 | 100.0 | 0.0 | 0.0 | 1.47 | 9.8 | a |

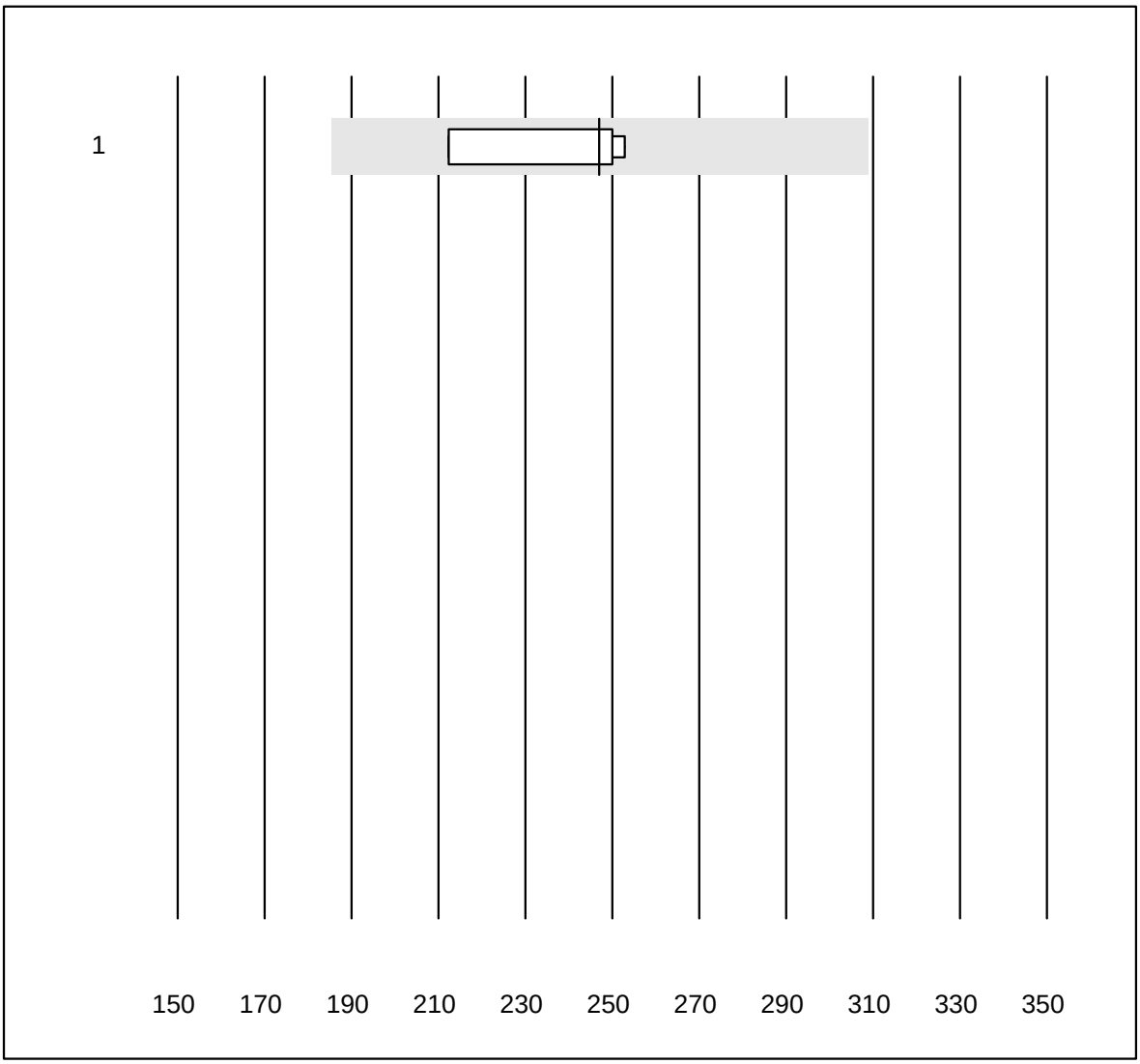
# CEA




QUALAB tolerance : 25 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Cobas E / Elecsys | 6 | 100.0 | 0.0 | 0.0 | 24.8 | 7.4 | a |
| 2 | ADVIA Centaur XP/CP | 4 | 100.0 | 0.0 | 0.0 | 33.0 | 8.1 | a |
| 3 | Architect | 5 | 100.0 | 0.0 | 0.0 | 38.1 | 4.9 | a |

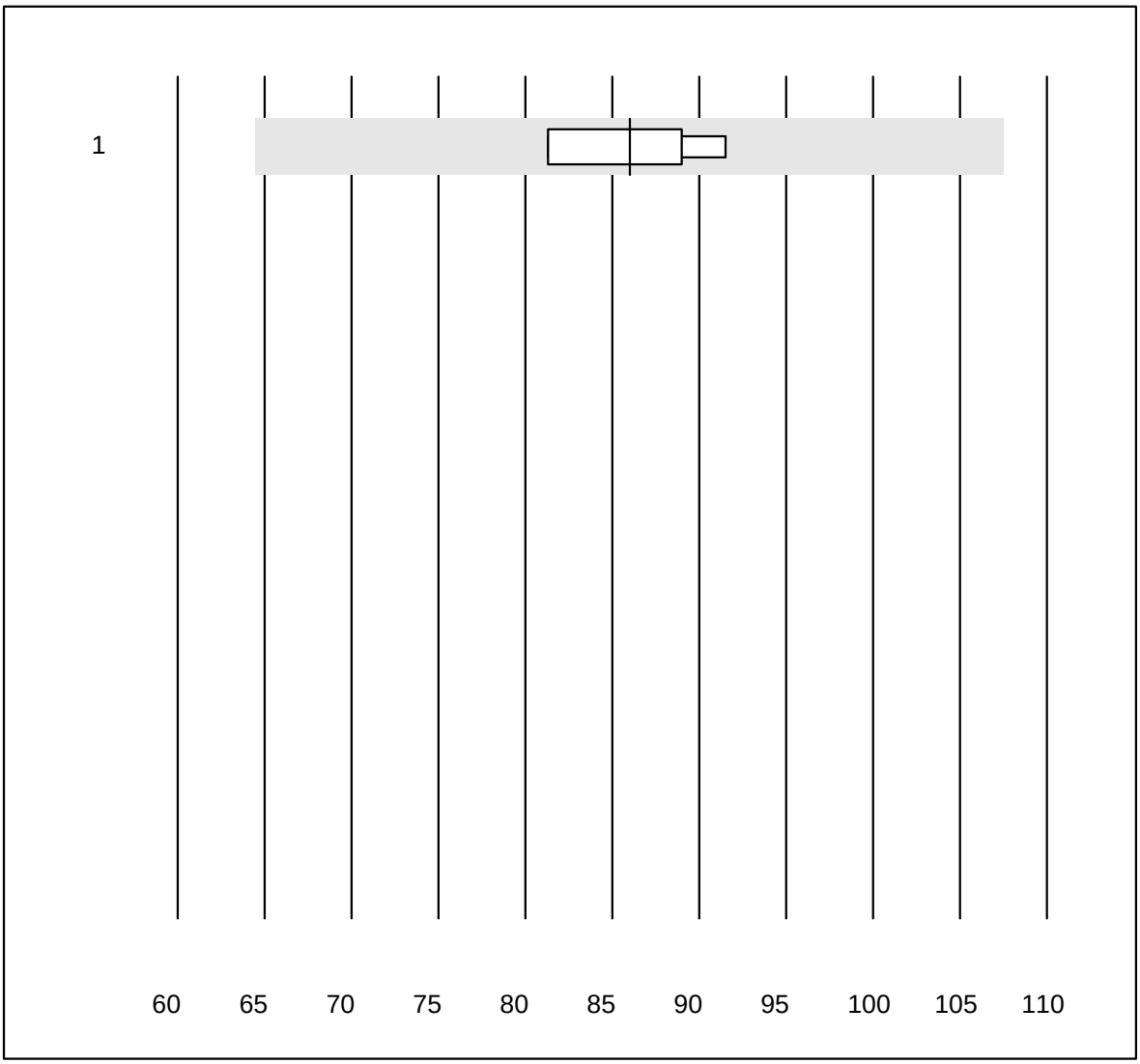
# CA 125




QUALAB tolerance : 25 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Architect | 4 | 100.0 | 0.0 | 0.0 | 247.0 | 7.7 | a |

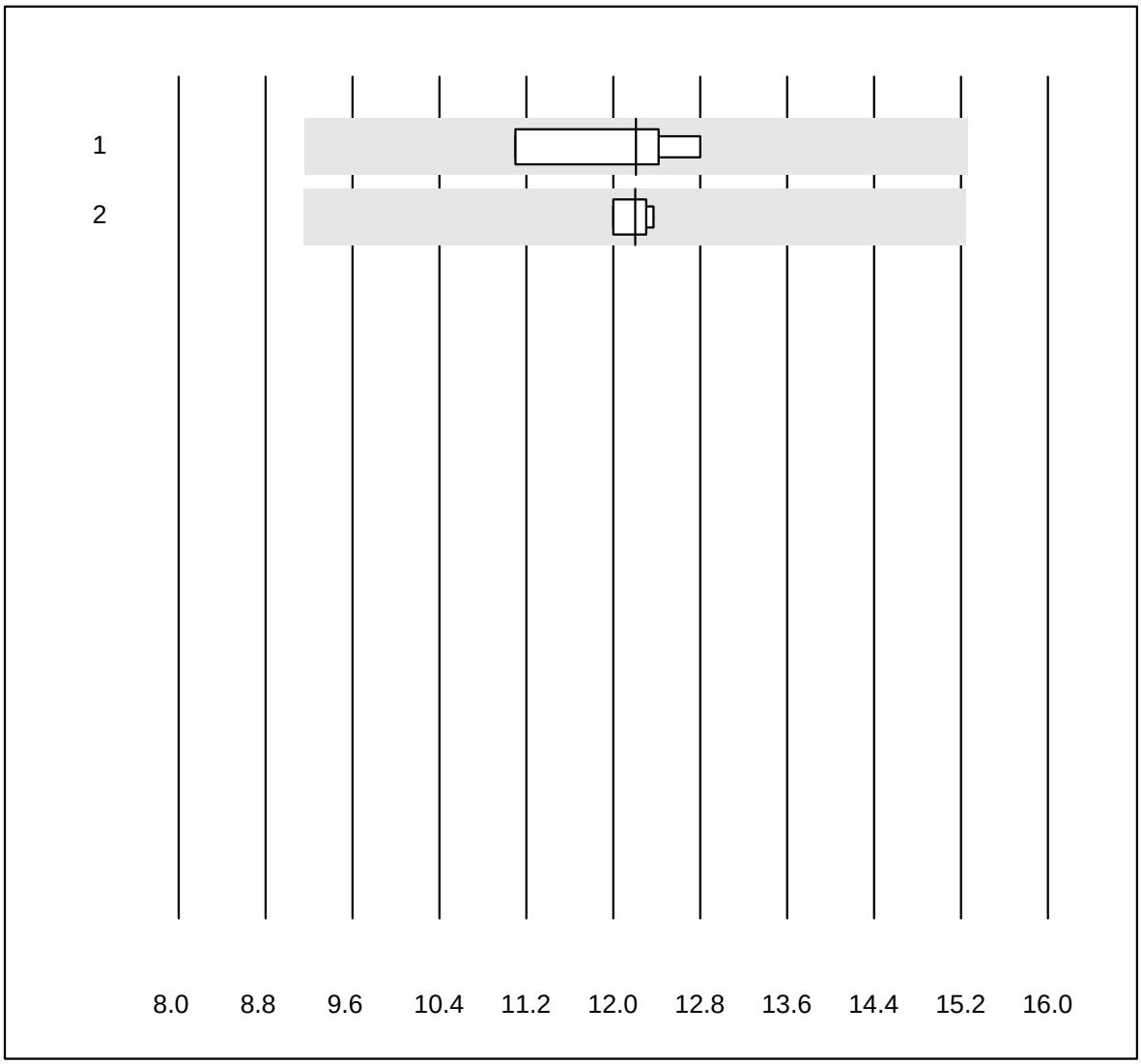
# CA 15-3




QUALAB tolerance : 25 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Architect | 4 | 100.0 | 0.0 | 0.0 | 86.0 | 5.6 | a |

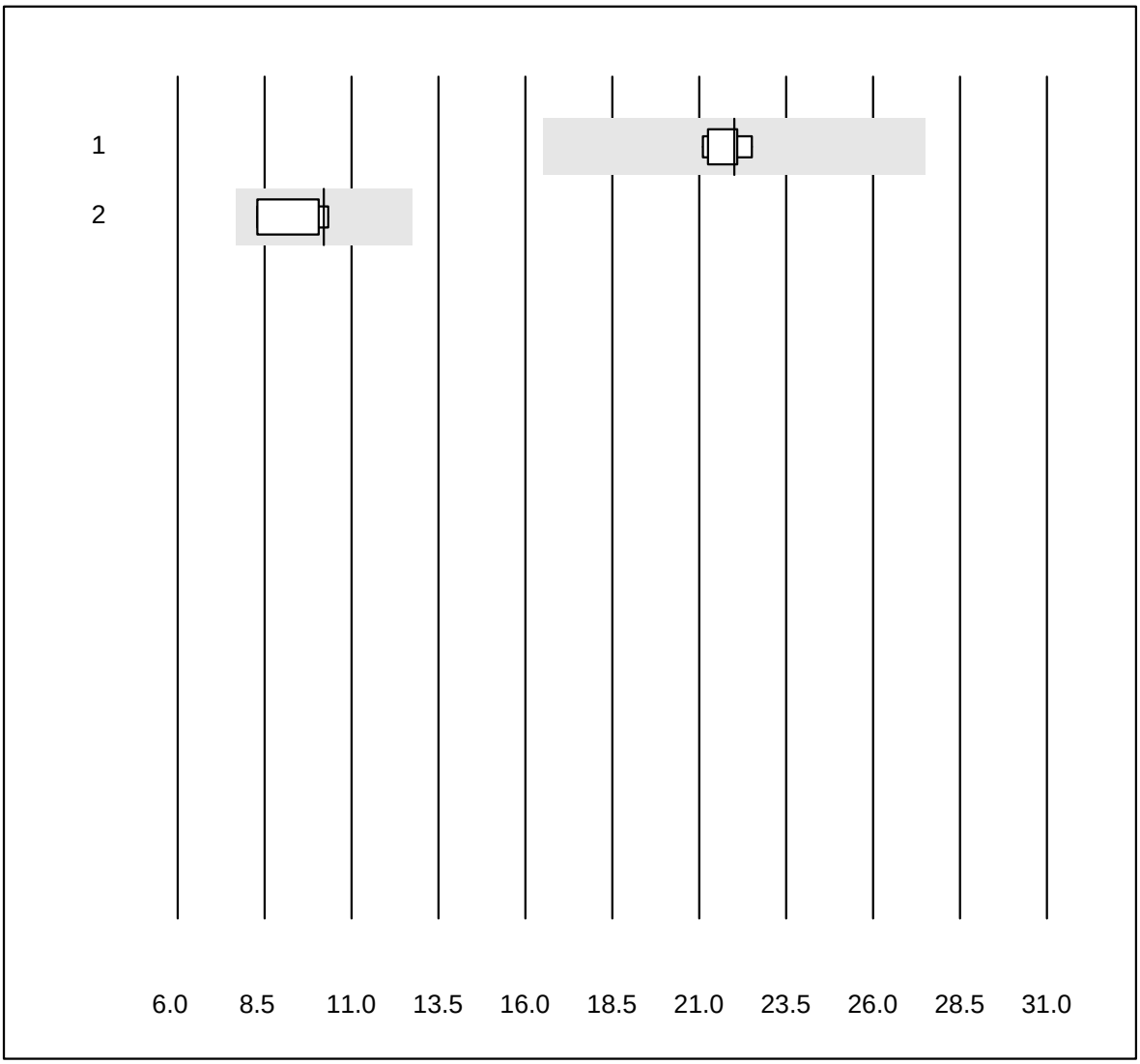
# AFP




QUALAB tolerance : 25 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Cobas E / Elecsys | 4 | 100.0 | 0.0 | 0.0 | 12 | 6.0 | e* |
| 2 | Architect | 4 | 100.0 | 0.0 | 0.0 | 12 | 1.4 | e |

# HCG qn

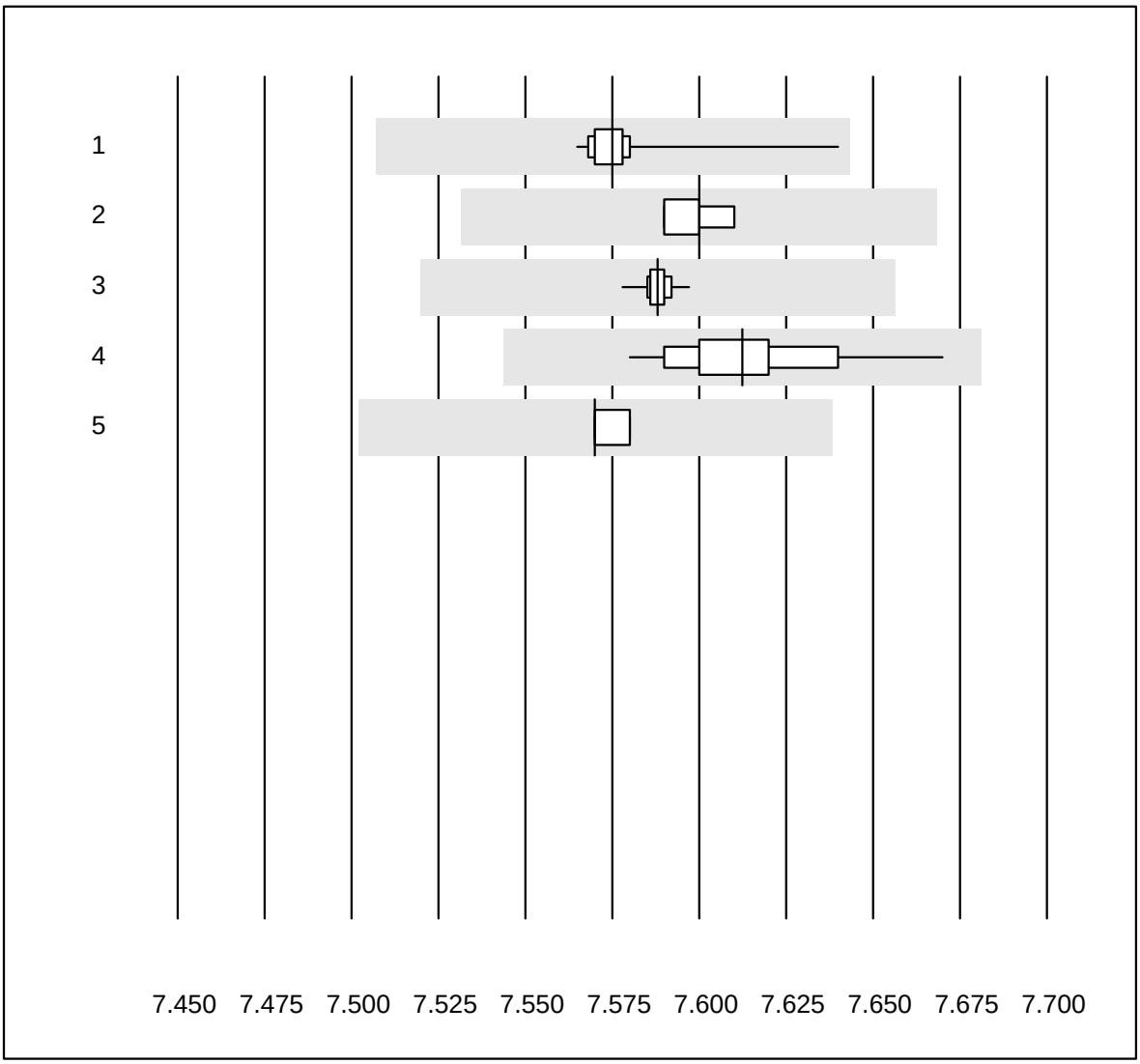



QUALAB tolerance : 25 %

HCG qn (U/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Cobas E / Elecsys | 5 | 100.0 | 0.0 | 0.0 | 22 | 2.7 | a |
| 2 | Vidas | 4 | 100.0 | 0.0 | 0.0 | 10 | 9.5 | a |

# pH OR

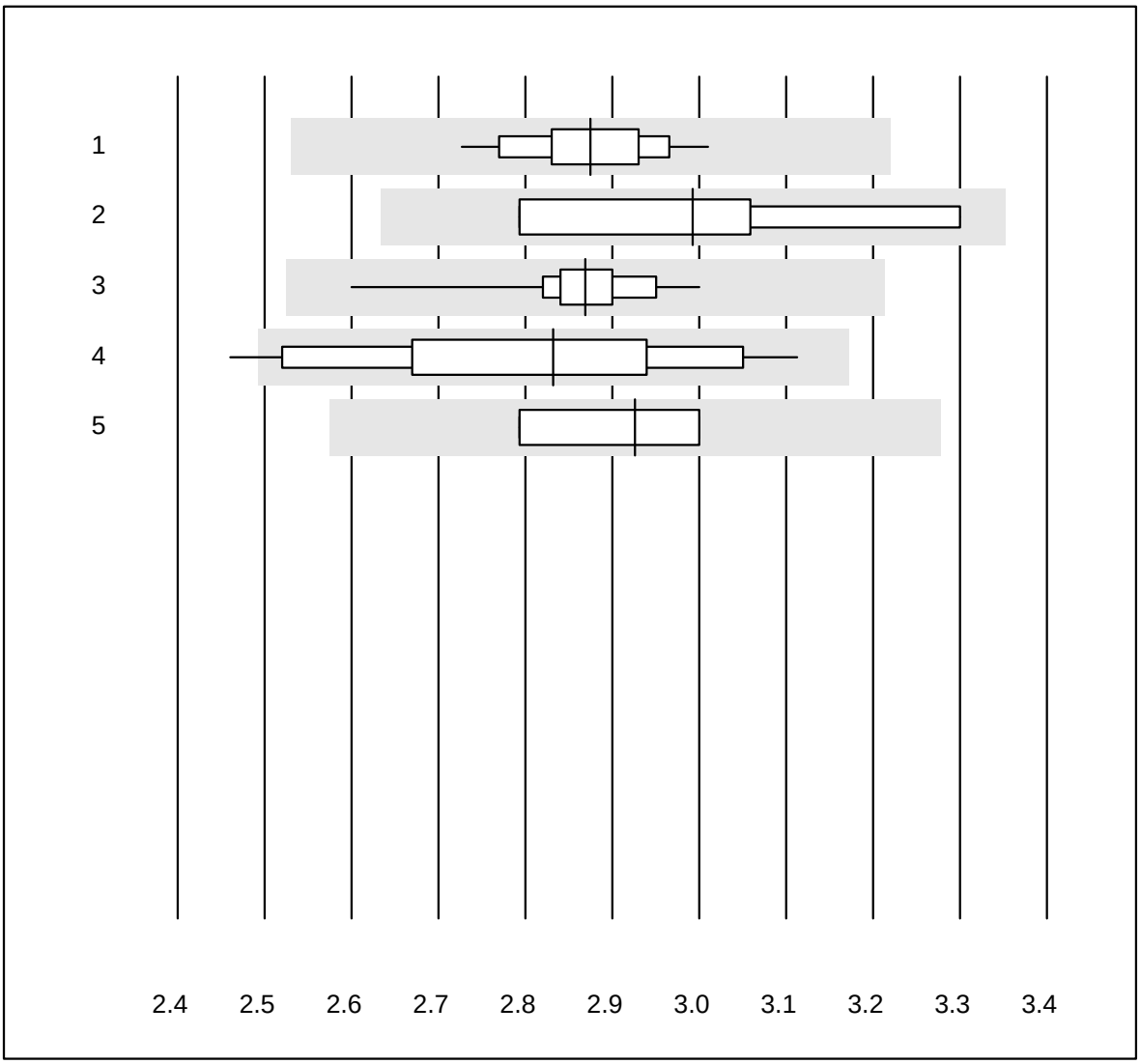



QUALAB tolerance : 1 %

pH OR ()

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | ABL700/800 | 83 | 100.0 | 0.0 | 0.0 | 7.58 | 0.1 | e |
| 2 | Radiometer NPT-7 | 4 | 100.0 | 0.0 | 0.0 | 7.60 | 0.1 | e |
| 3 | ABL 90 | 33 | 100.0 | 0.0 | 0.0 | 7.59 | 0.0 | e |
| 4 | ABL 80 / Coox | 22 | 100.0 | 0.0 | 0.0 | 7.61 | 0.3 | e |
| 5 | ABL 5 | 5 | 100.0 | 0.0 | 0.0 | 7.57 | 0.1 | e |

# pCO2 OR

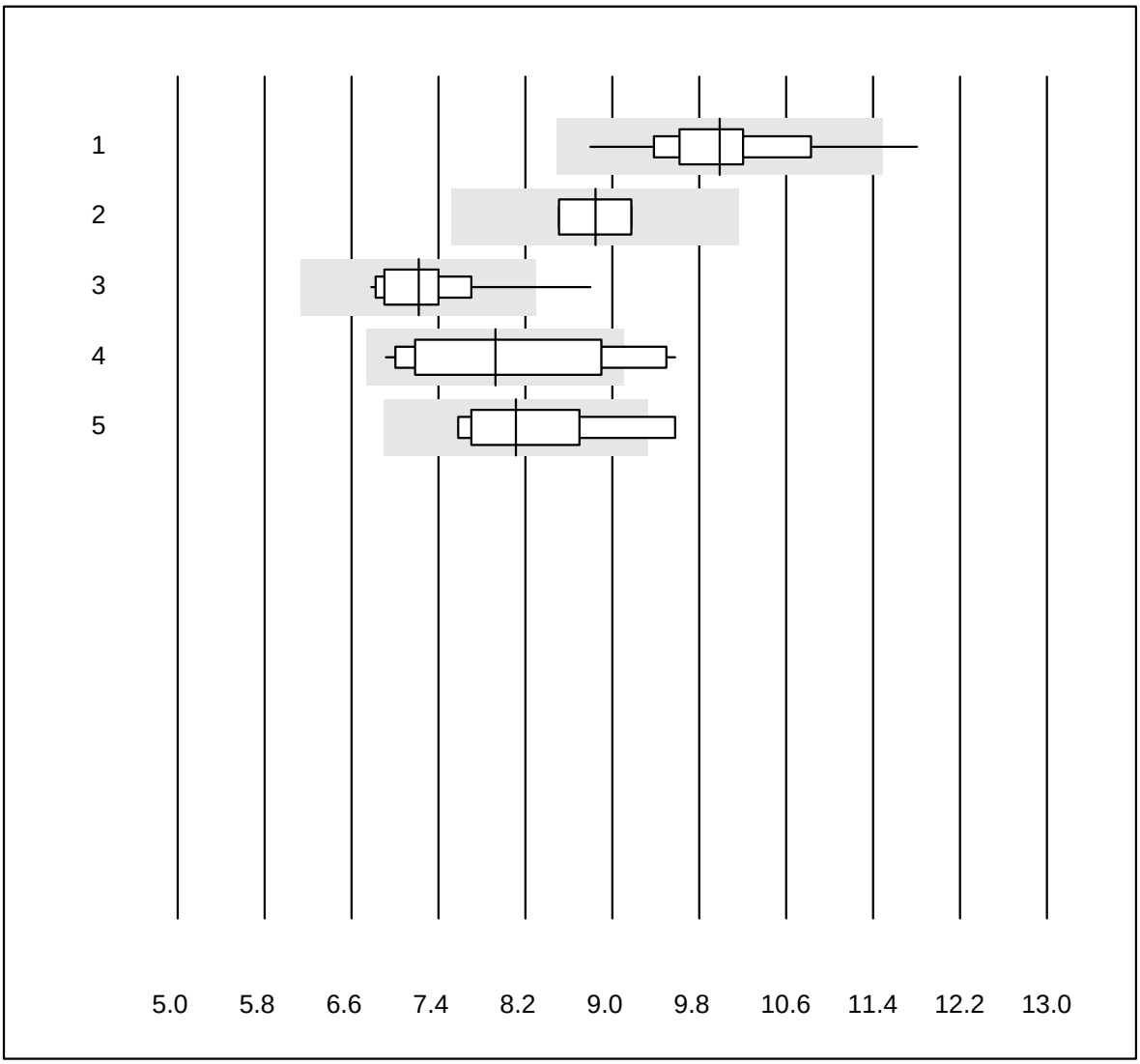



QUALAB tolerance : 12 %

pCO2 OR (kPa)

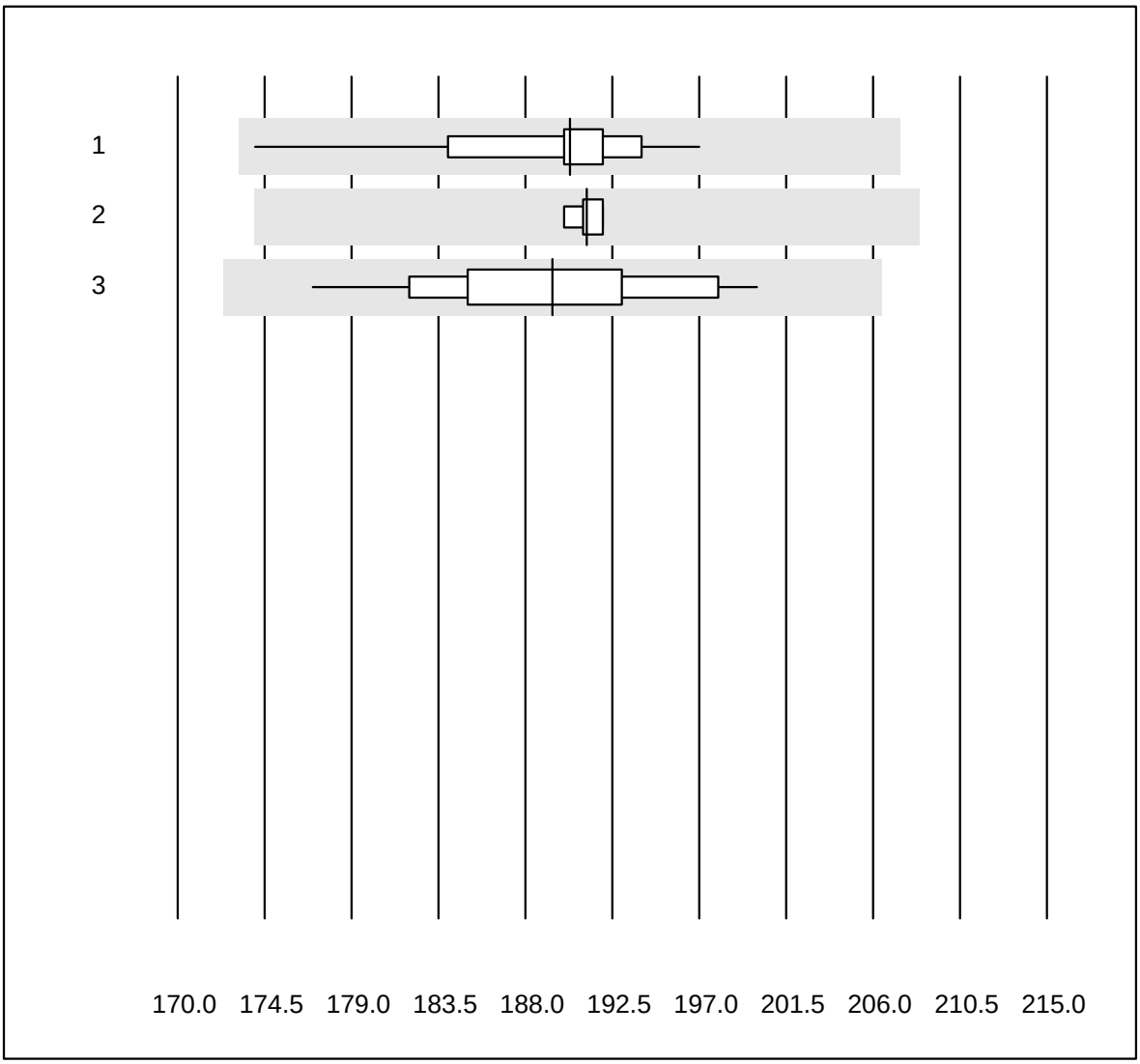
| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | ABL700/800 | 82 | 100.0 | 0.0 | 0.0 | 2.87 | 2.5 | e |
| 2 | Radiometer NPT-7 | 4 | 100.0 | 0.0 | 0.0 | 2.99 | 7.2 | e* |
| 3 | ABL 90 | 33 | 100.0 | 0.0 | 0.0 | 2.87 | 2.3 | e |
| 4 | ABL 80 / Coox | 22 | 86.4 | 4.5 | 9.1 | 2.83 | 6.6 | e |
| 5 | ABL 5 | 5 | 100.0 | 0.0 | 0.0 | 2.93 | 3.6 | e* |

# pO2 OR




| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | ABL700/800 | 82 | 96.4 | 2.4 | 1.2 | 9.99 | 5.8 | e |
| 2 | Radiometer NPT-7 | 4 | 75.0 | 0.0 | 25.0 | 8.84 | 4.4 | e* |
| 3 | ABL 90 | 33 | 75.8 | 3.0 | 21.2 | 7.22 | 6.3 | e |
| 4 | ABL 80 / Coox | 22 | 68.2 | 13.6 | 18.2 | 7.92 | 12.1 | e* |
| 5 | ABL 5 | 5 | 80.0 | 20.0 | 0.0 | 8.11 | 9.8 | e* |

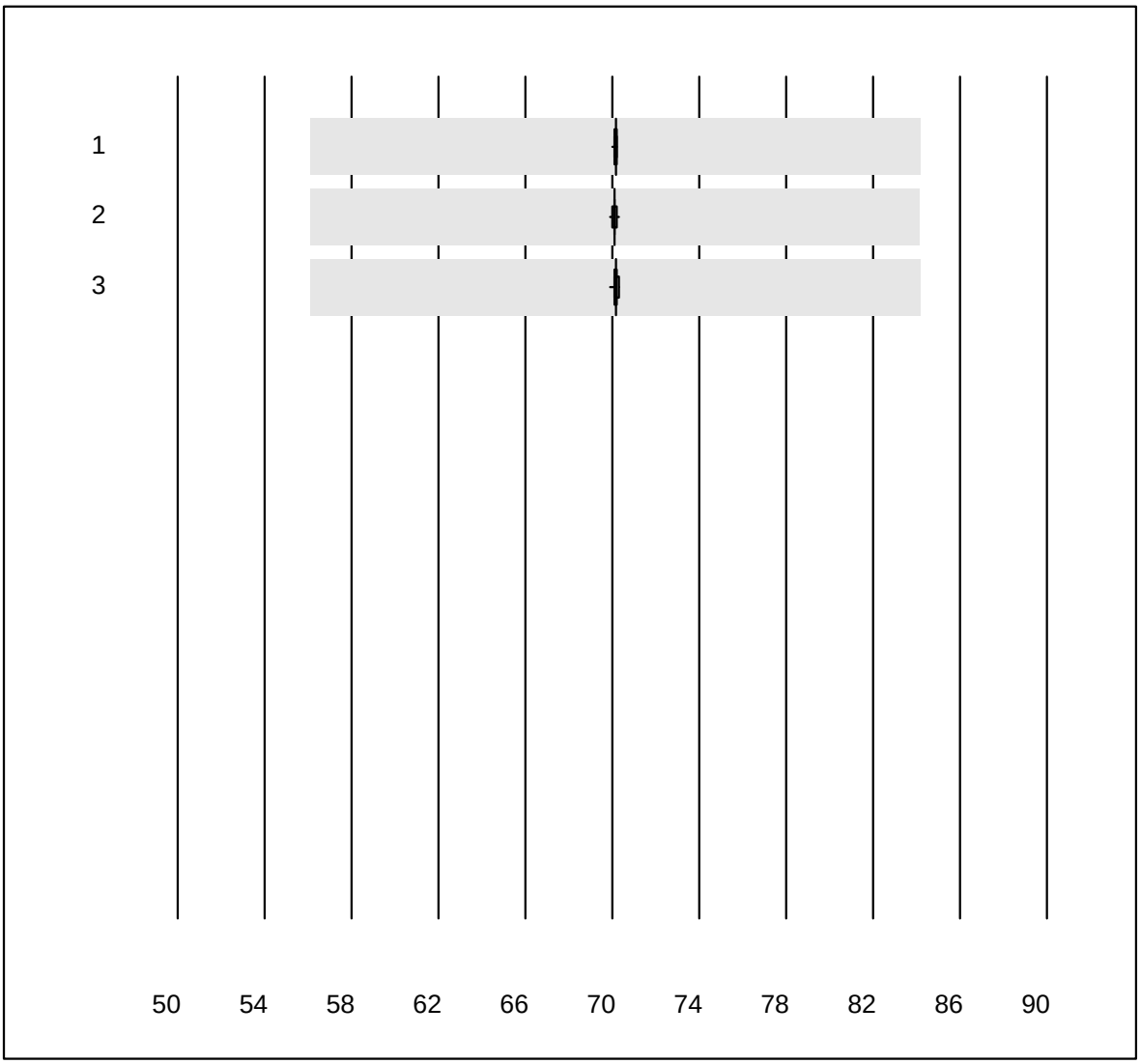
# ctHb OR




QUALAB tolerance : 9 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | ABL700/800 | 71 | 100.0 | 0.0 | 0.0 | 190.3 | 2.3 | e |
| 2 | ABL 90 | 33 | 93.9 | 0.0 | 6.1 | 191.2 | 0.3 | e |
| 3 | ABL 80 / Coox | 15 | 100.0 | 0.0 | 0.0 | 189.4 | 3.2 | e |

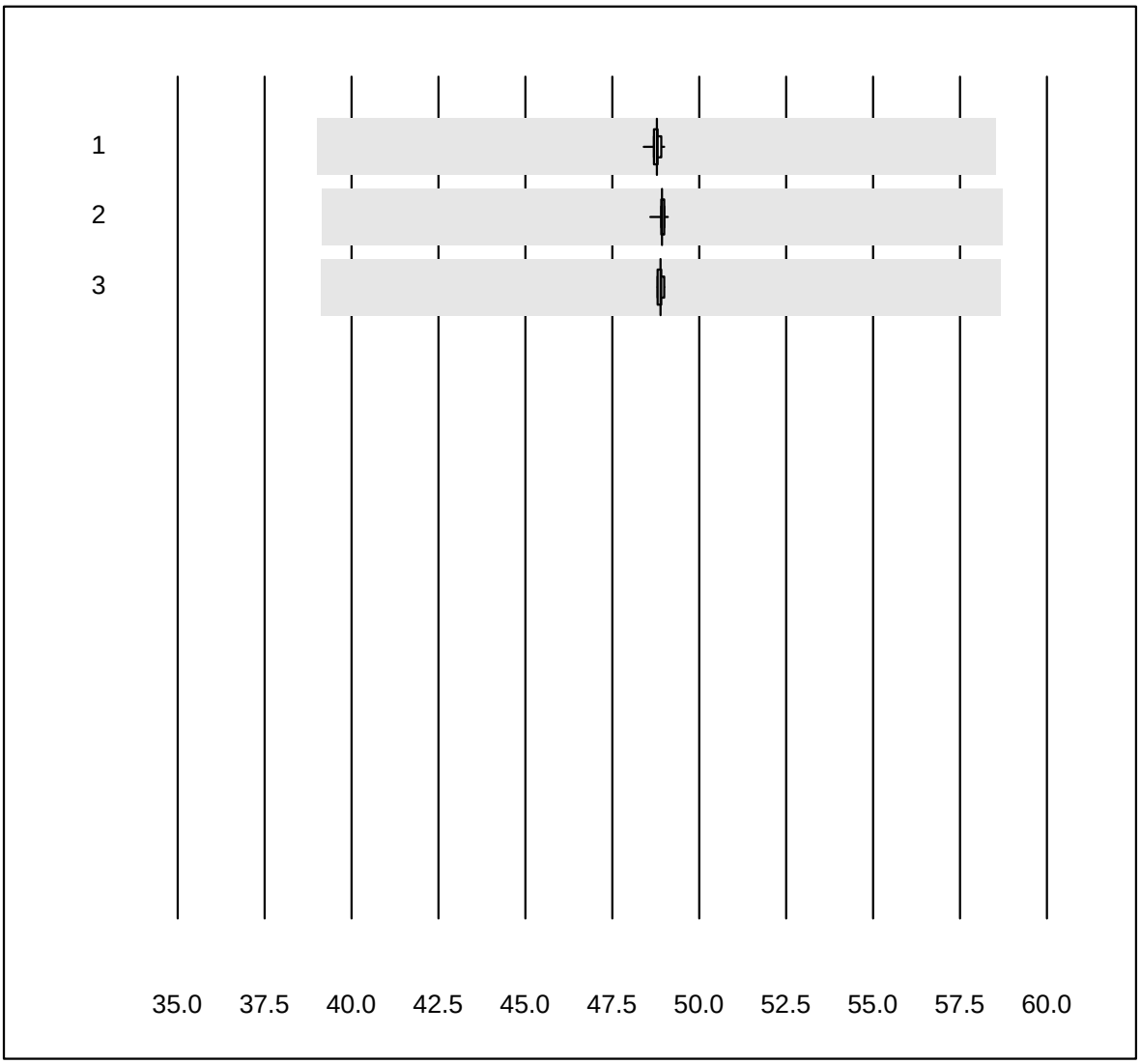
# sO2 OR




QUALAB tolerance : 20 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | ABL700/800 | 57 | 100.0 | 0.0 | 0.0 | 70.153 | 0.1 | e |
| 2 | ABL 90 | 31 | 96.8 | 0.0 | 3.2 | 70.103 | 0.1 | e |
| 3 | ABL 80 / Coox | 14 | 92.9 | 0.0 | 7.1 | 70.162 | 0.2 | e |

# FO2Hb OR

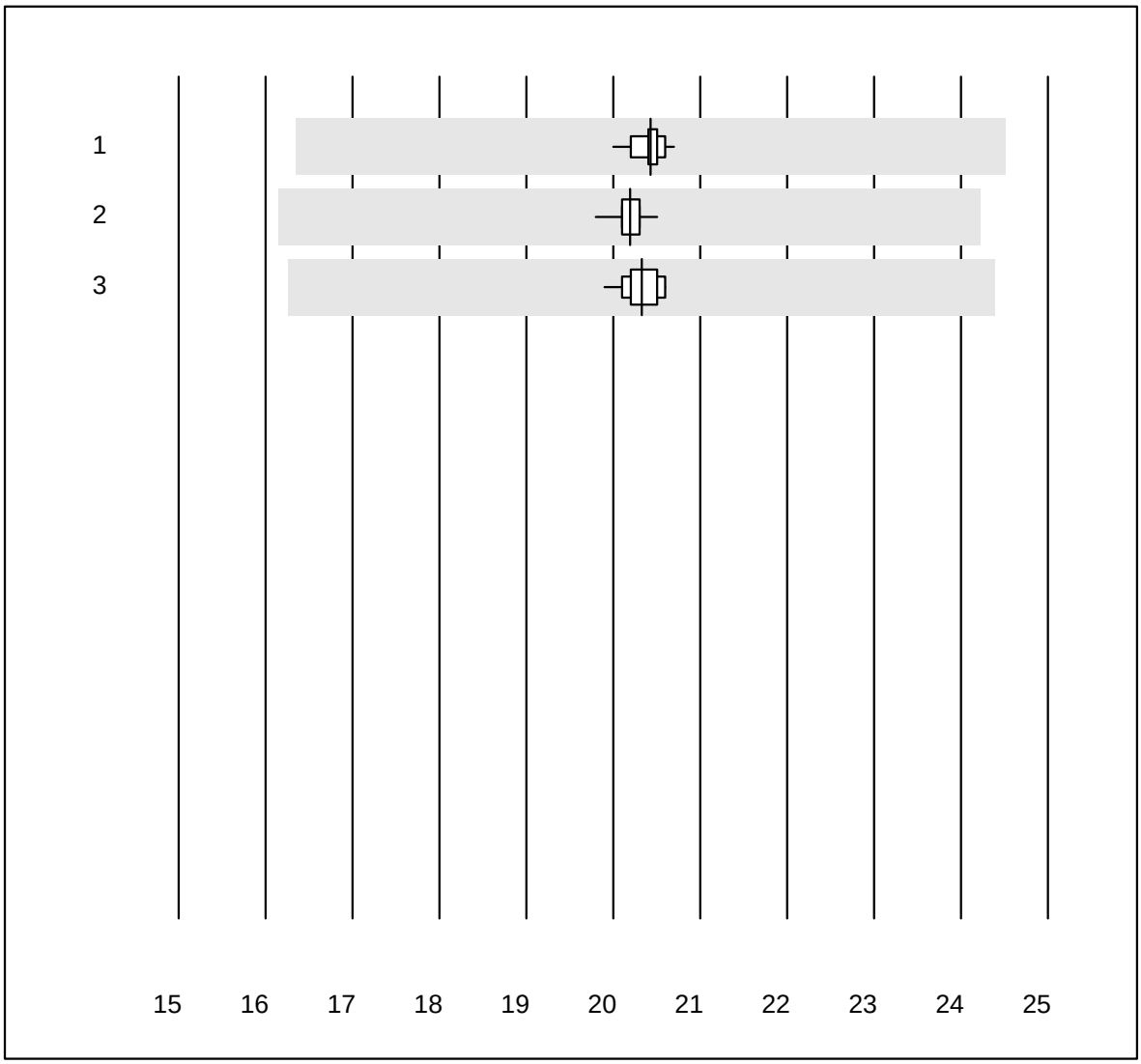



QUALAB tolerance : 20 %

FO2Hb OR (%)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | ABL700/800 | 52 | 100.0 | 0.0 | 0.0 | 48.773 | 0.2 | e |
| 2 | ABL 90 | 31 | 100.0 | 0.0 | 0.0 | 48.929 | 0.2 | e |
| 3 | ABL 80 / Coox | 15 | 100.0 | 0.0 | 0.0 | 48.893 | 0.1 | e |

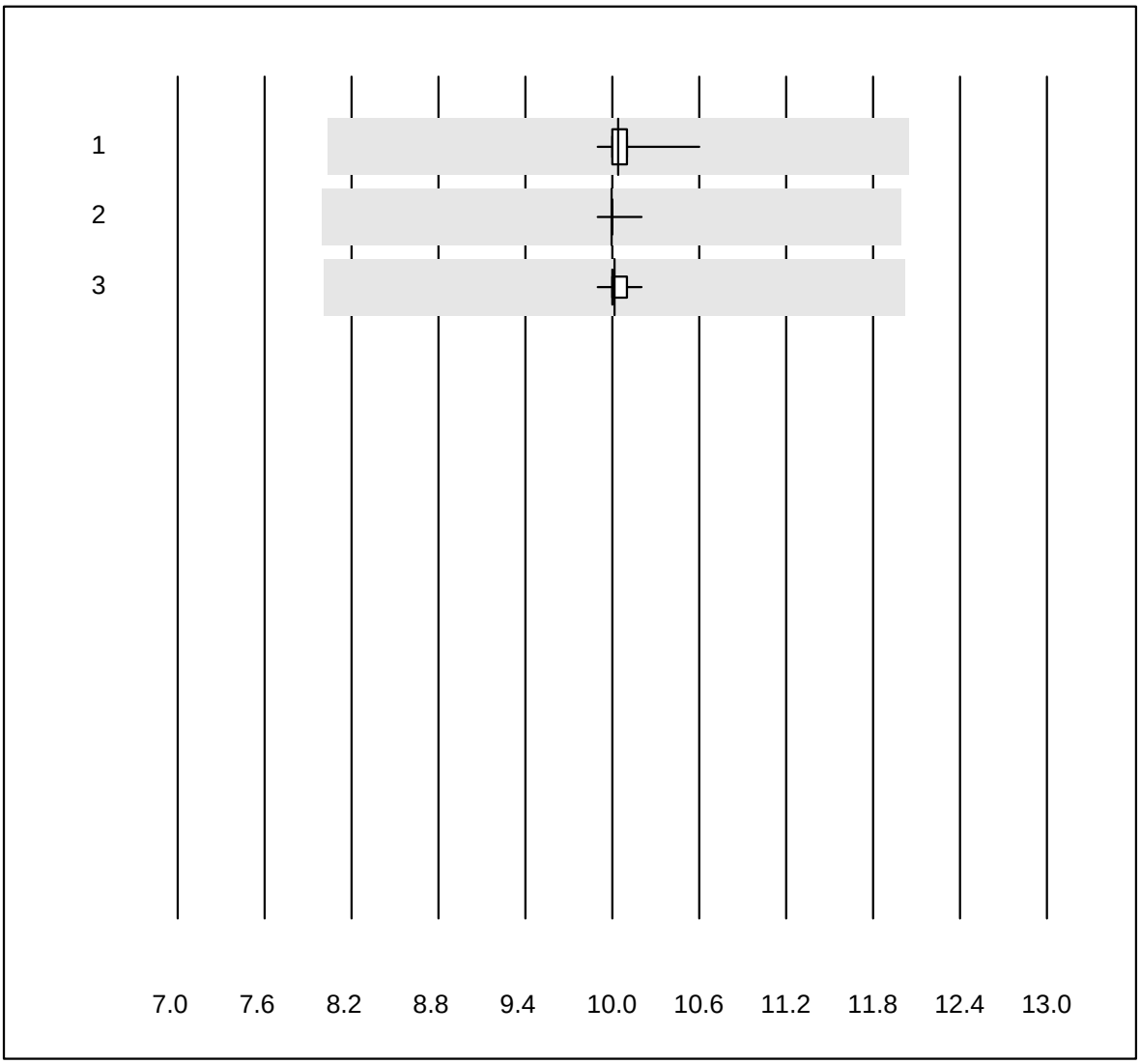
# FCOHb OR




QUALAB tolerance : 20 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | ABL700/800 | 52 | 100.0 | 0.0 | 0.0 | 20.427 | 0.7 | e |
| 2 | ABL 90 | 31 | 100.0 | 0.0 | 0.0 | 20.190 | 0.6 | e |
| 3 | ABL 80 / Coox | 15 | 100.0 | 0.0 | 0.0 | 20.327 | 1.0 | e |

# FMetHb OR

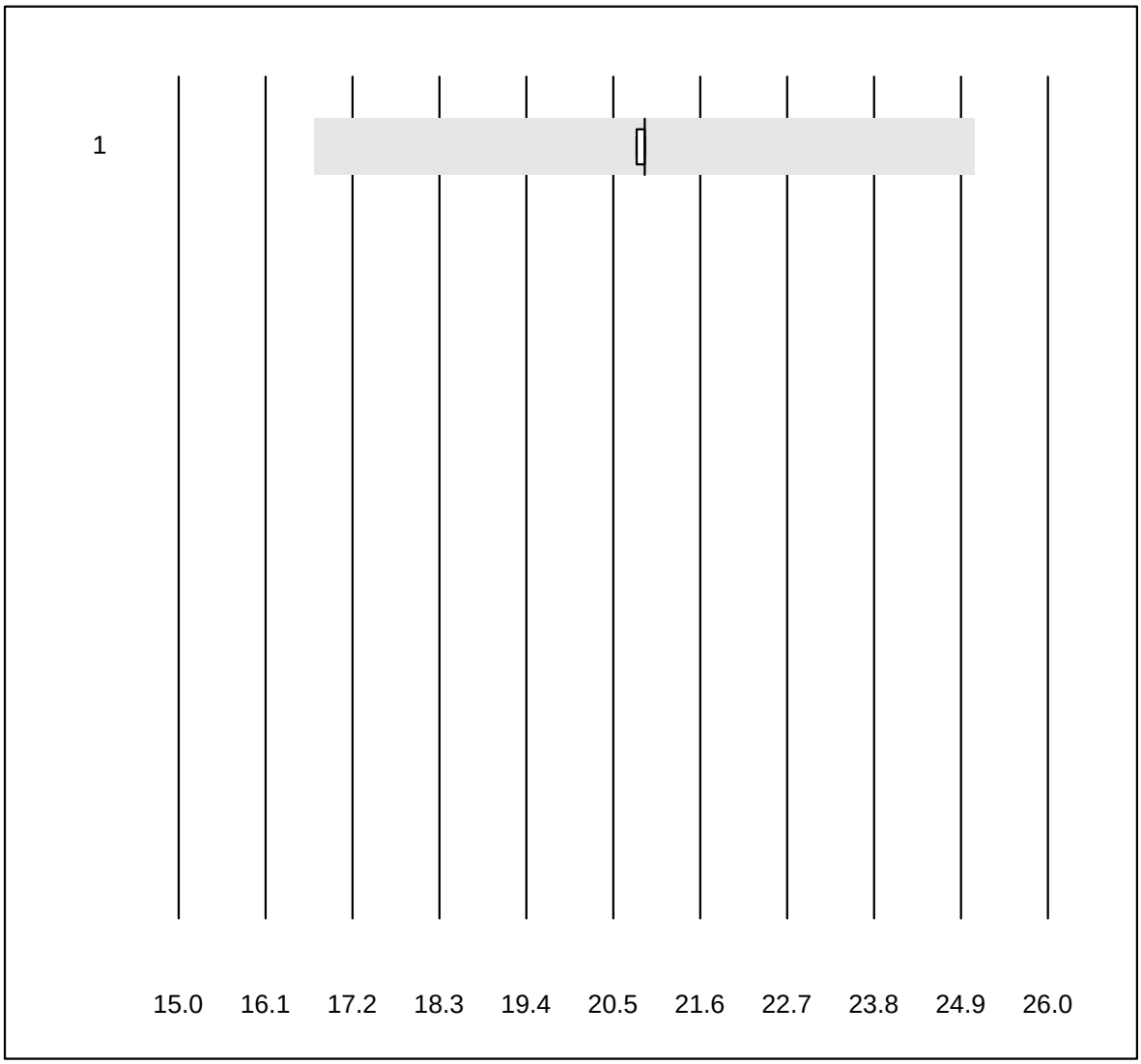



QUALAB tolerance : 20 %

FMetHb OR (%)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | ABL700/800 | 54 | 100.0 | 0.0 | 0.0 | 10.041 | 1.2 | e |
| 2 | ABL 90 | 31 | 100.0 | 0.0 | 0.0 | 9.997 | 0.5 | e |
| 3 | ABL 80 / Coox | 15 | 100.0 | 0.0 | 0.0 | 10.013 | 0.6 | e |

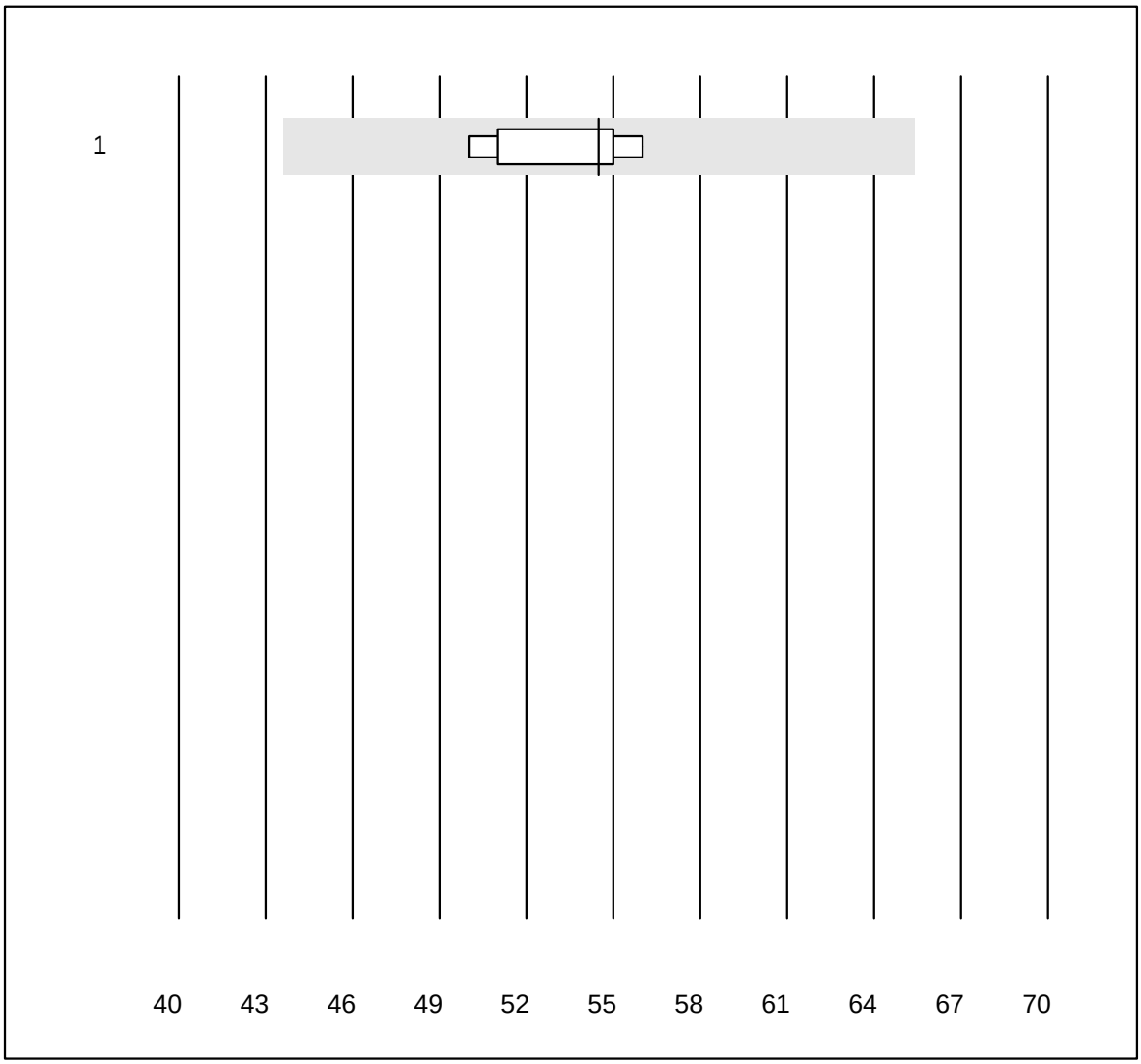
# FHHb




QUALAB tolerance : 20 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | ABL 80 / Coox | 5 | 100.0 | 0.0 | 0.0 | 20.900 | 0.3 | e |

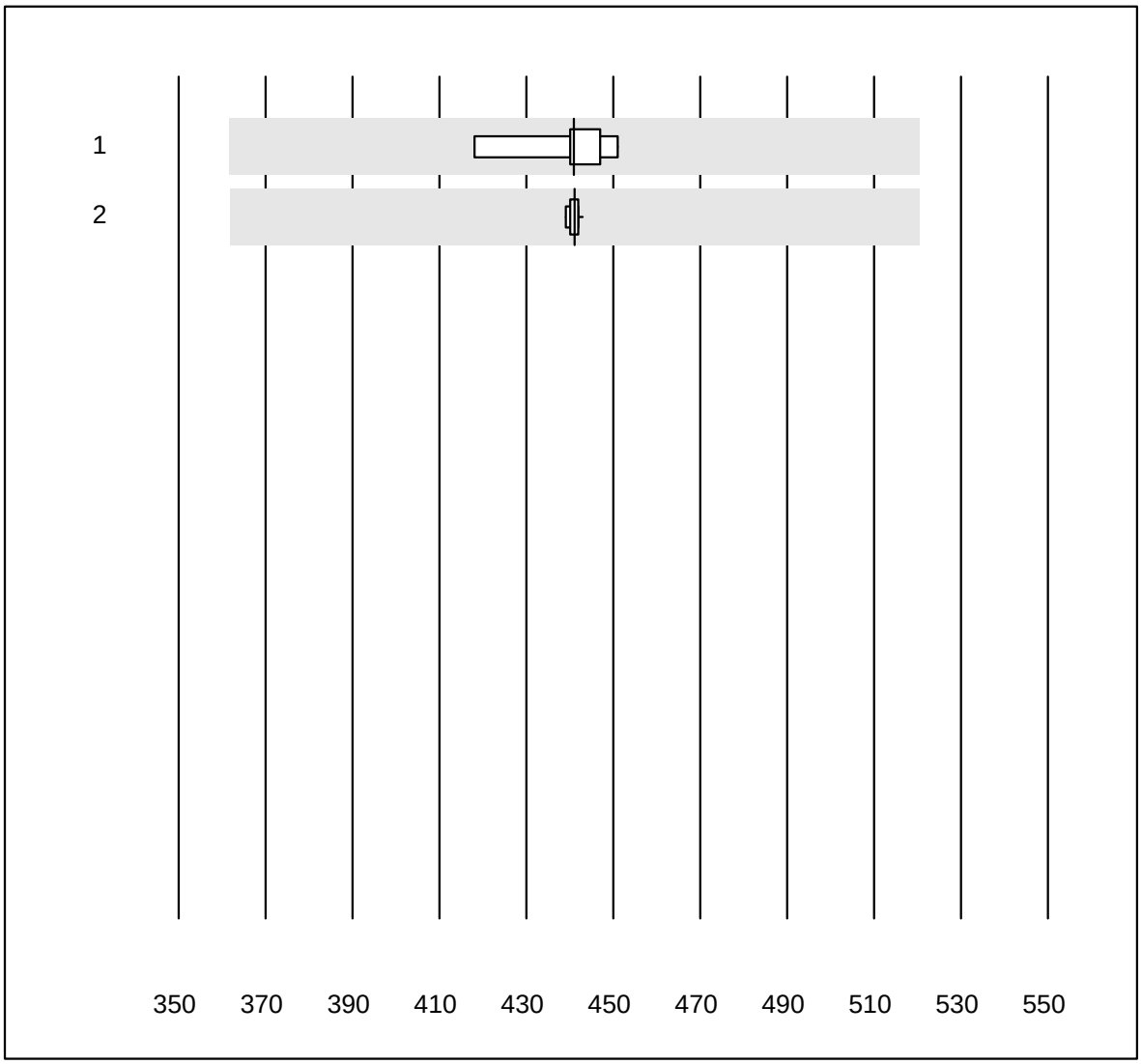
# FHbF OR




QUALAB tolerance : 20 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | ABL 90 | 8 | 100.0 | 0.0 | 0.0 | 54.500 | 4.0 | e |

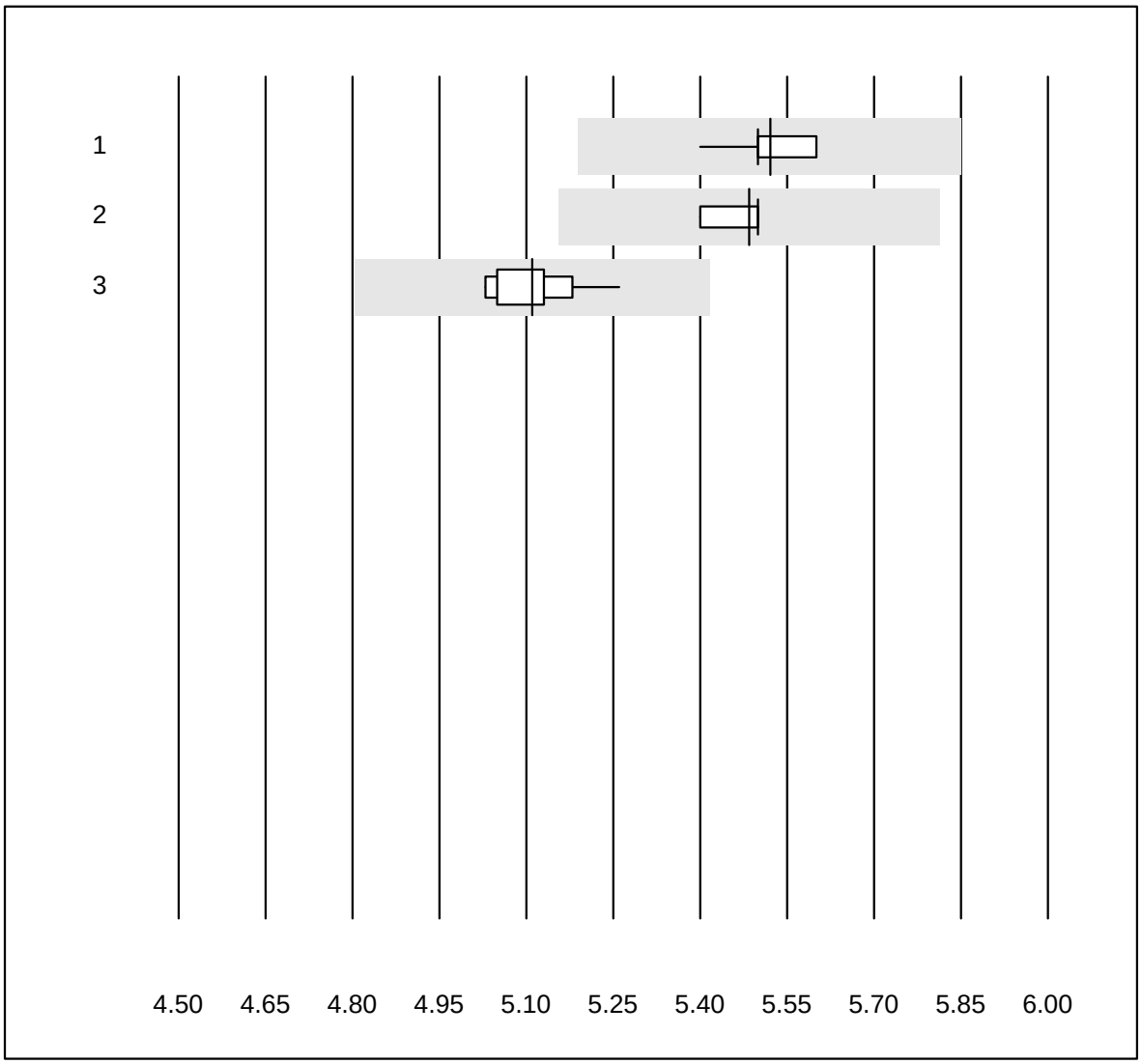
# Bilirubin OR




QUALAB tolerance : 18 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | ABL700/800 | 5 | 100.0 | 0.0 | 0.0 | 441.0 | 2.9 | e |
| 2 | ABL 90 | 12 | 100.0 | 0.0 | 0.0 | 441.1 | 0.3 | e |

# Potassium OR

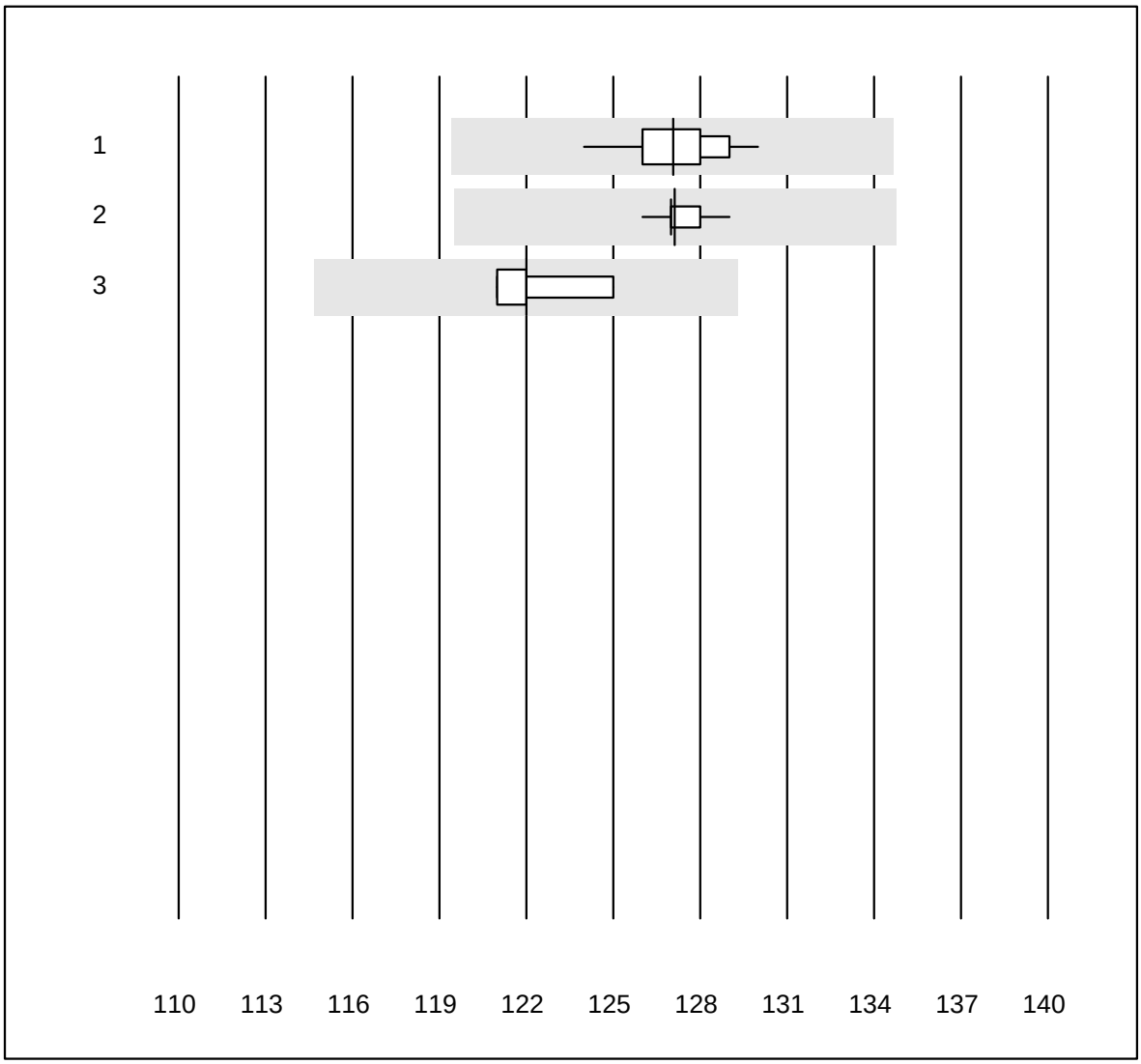



QUALAB tolerance : 6 %

Potassium OR (mmol/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | ABL700/800 | 68 | 100.0 | 0.0 | 0.0 | 5.5 | 0.9 | e |
| 2 | ABL 90 | 33 | 100.0 | 0.0 | 0.0 | 5.5 | 0.7 | e |
| 3 | ABL 80 / Coox | 10 | 100.0 | 0.0 | 0.0 | 5.1 | 1.4 | e |

# Sodium OR

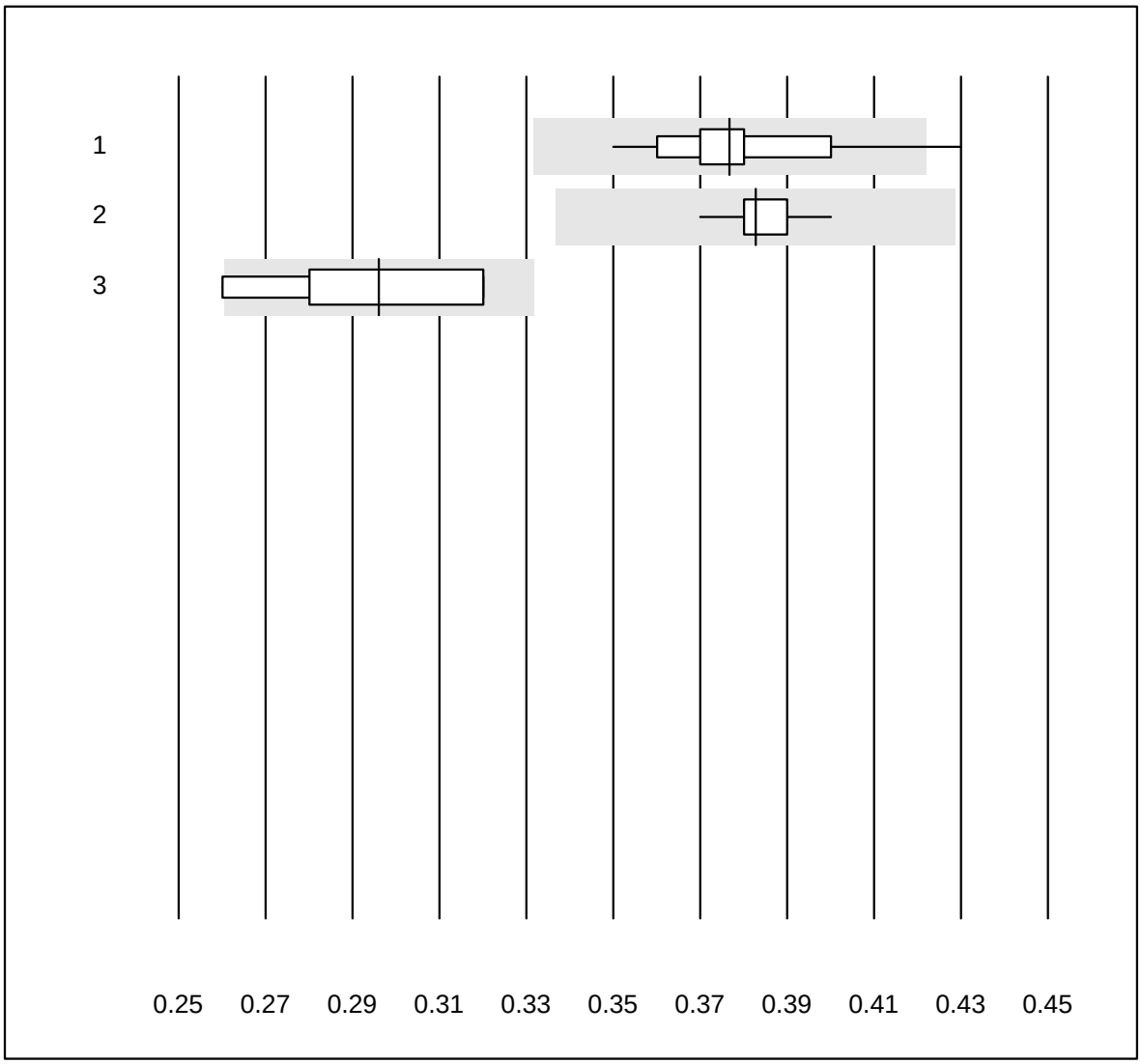



QUALAB tolerance : 6 %

Sodium OR (mmol/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | ABL700/800 | 65 | 100.0 | 0.0 | 0.0 | 127.1 | 0.9 | e |
| 2 | ABL 90 | 33 | 100.0 | 0.0 | 0.0 | 127.1 | 0.5 | e |
| 3 | ABL 80 / Coox | 8 | 100.0 | 0.0 | 0.0 | 122.0 | 1.2 | e |

# Calcium OR

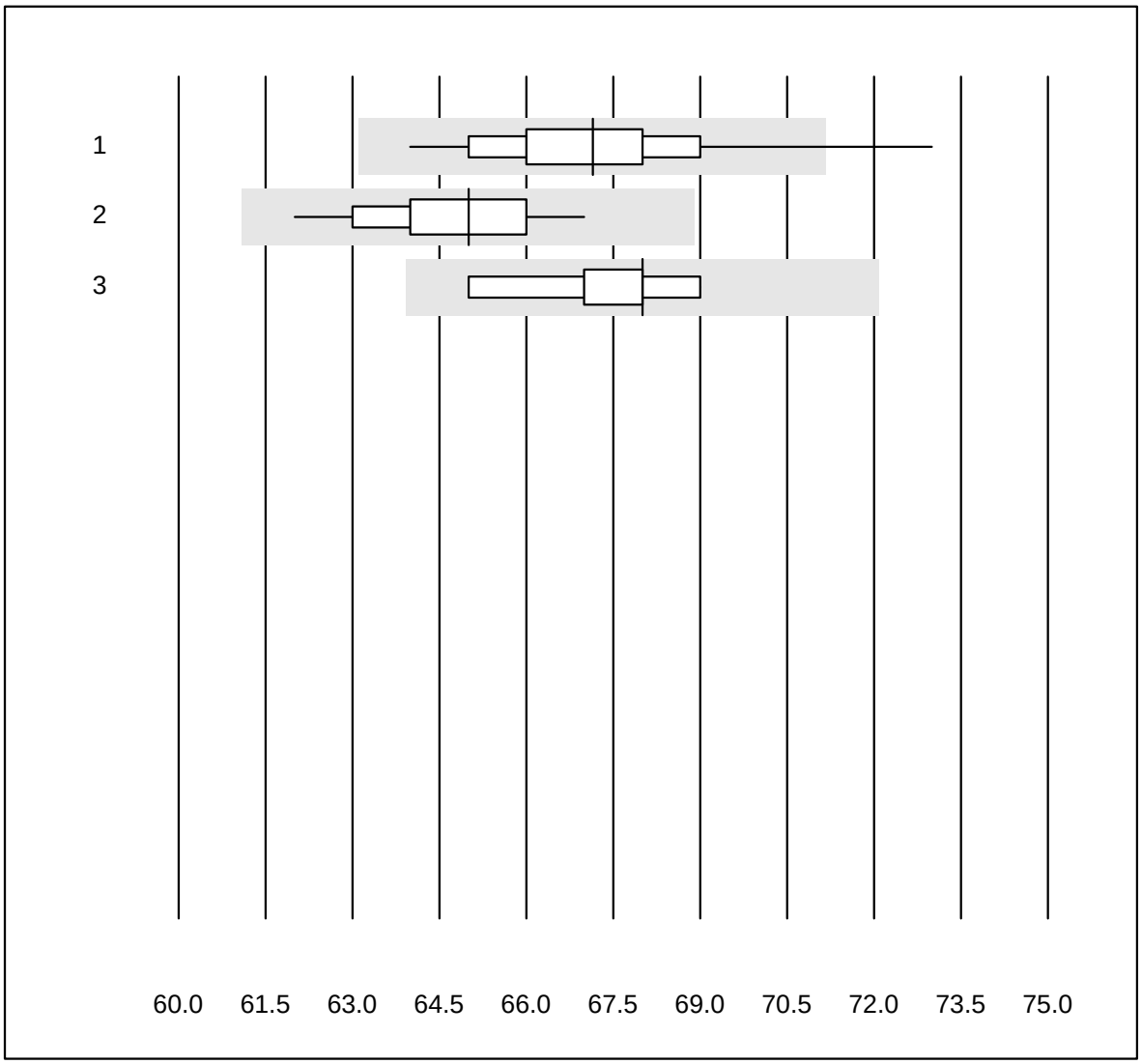



QUALAB tolerance : 12 %

Calcium OR (mmol/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | ABL700/800 | 66 | 98.5 | 1.5 | 0.0 | 0.38 | 4.1 | e |
| 2 | ABL 90 | 33 | 100.0 | 0.0 | 0.0 | 0.38 | 1.8 | e |
| 3 | ABL 80 / Coox | 8 | 62.5 | 12.5 | 25.0 | 0.30 | 8.2 | a |

# Choride OR

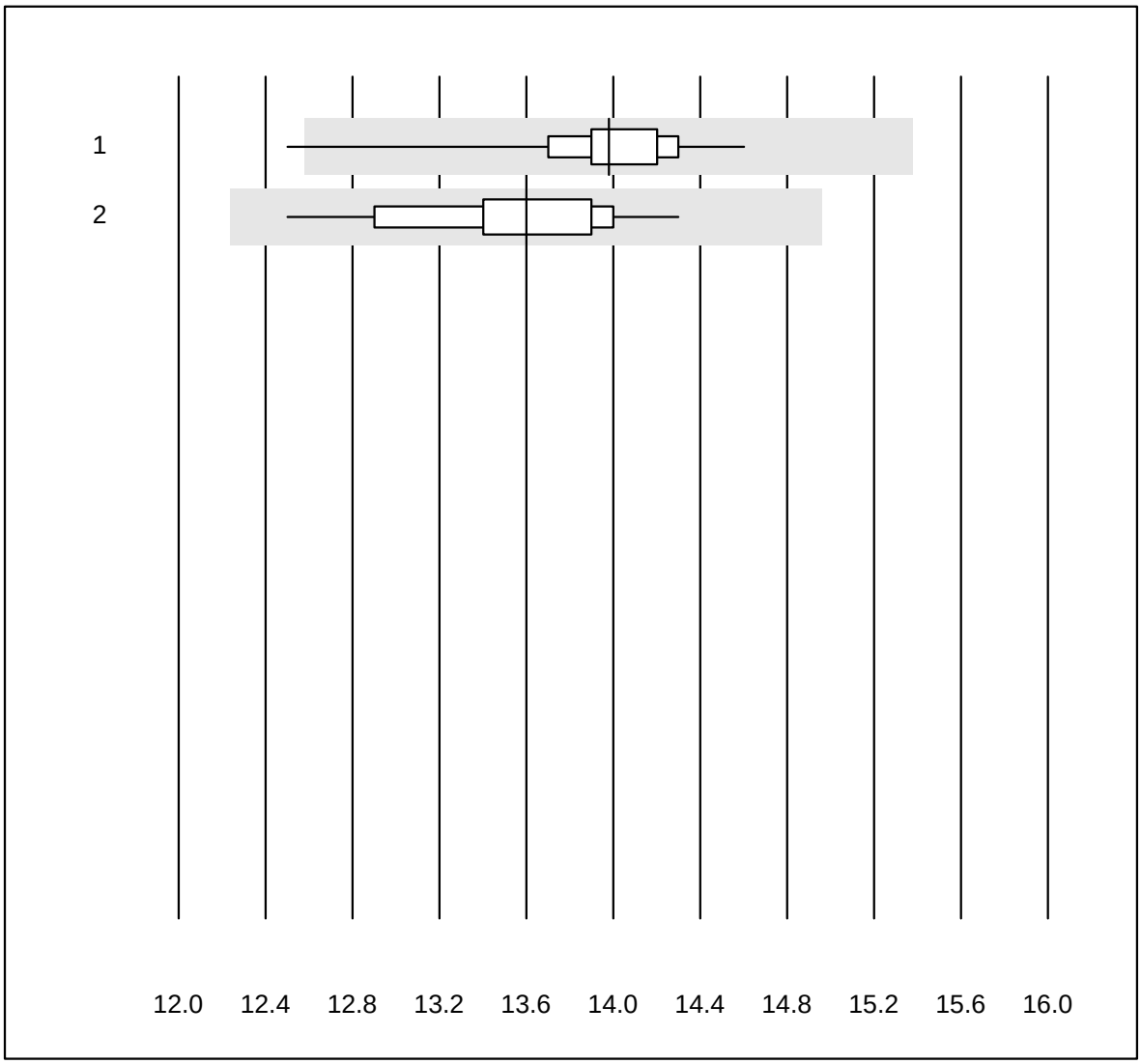



QUALAB tolerance : 6 %

Choride OR (mmol/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | ABL700/800 | 55 | 96.4 | 3.6 | 0.0 | 67.15 | 2.6 | e |
| 2 | ABL 90 | 33 | 100.0 | 0.0 | 0.0 | 65.00 | 1.9 | e |
| 3 | ABL 80 / Coox | 7 | 71.4 | 0.0 | 28.6 | 68.00 | 2.2 | e* |

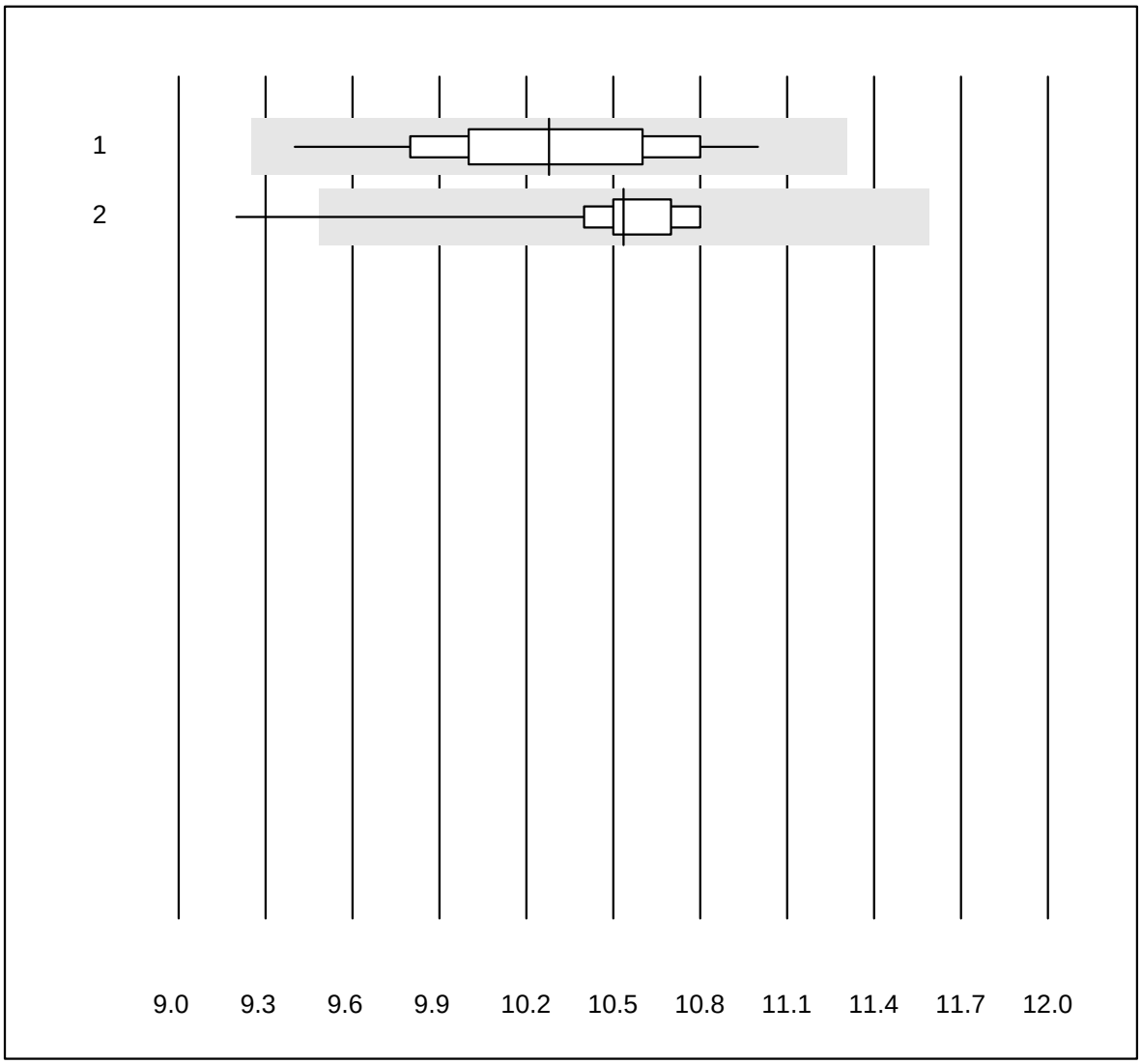
# Glucose OR




QUALAB tolerance : 10 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | ABL700/800 | 67 | 98.5 | 1.5 | 0.0 | 14.0 | 2.3 | e |
| 2 | ABL 90 | 33 | 100.0 | 0.0 | 0.0 | 13.6 | 3.3 | e |

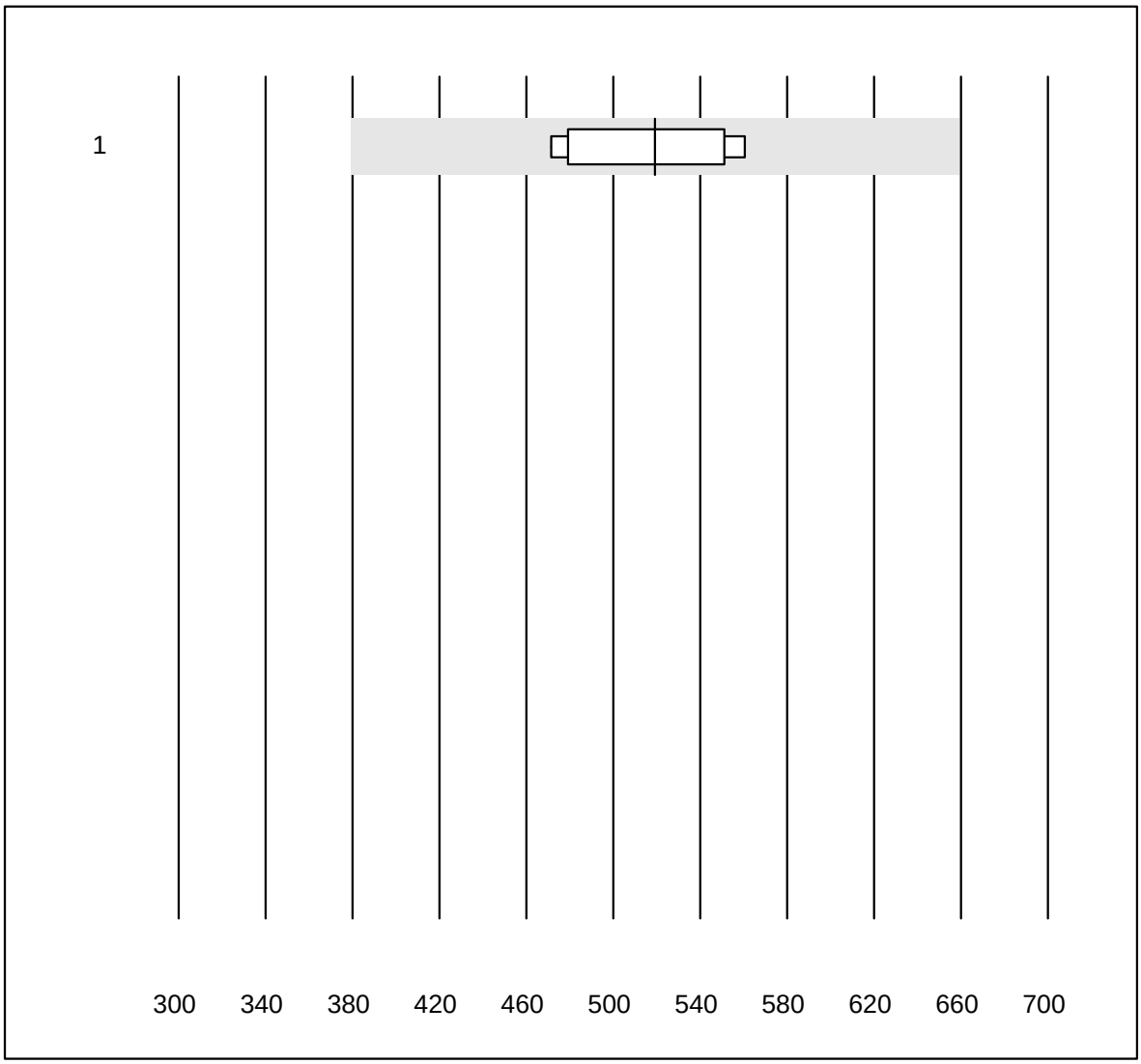
# Lactate OR




QUALAB tolerance : 10 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | ABL700/800 | 71 | 100.0 | 0.0 | 0.0 | 10.28 | 4.0 | e |
| 2 | ABL 90 | 33 | 97.0 | 3.0 | 0.0 | 10.54 | 2.8 | e |

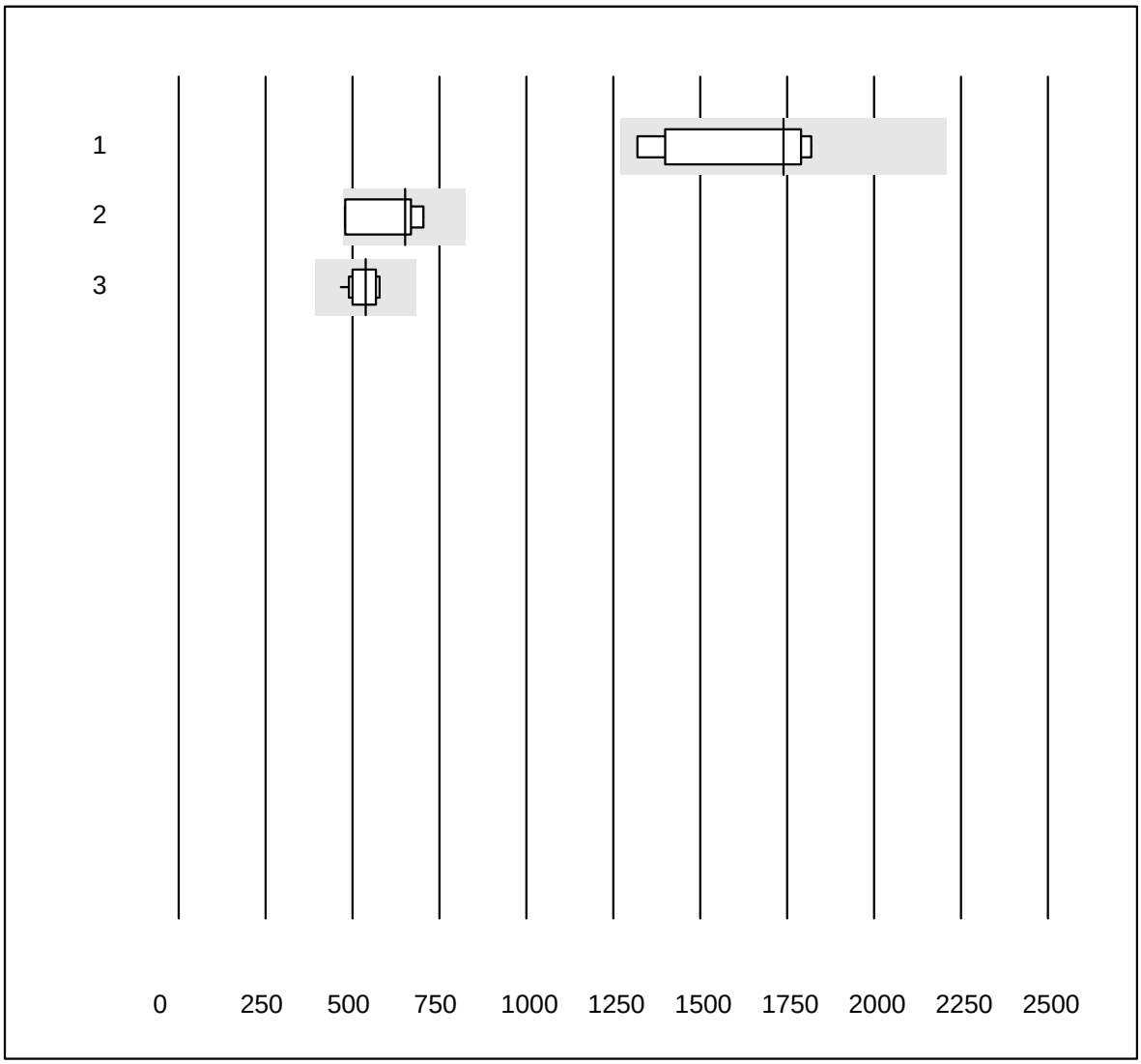
# BNP Plasma




QUALAB tolerance : 27 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | ADVIA Centaur XP/CP | 5 | 100.0 | 0.0 | 0.0 | 519.0 | 7.9 | e* |

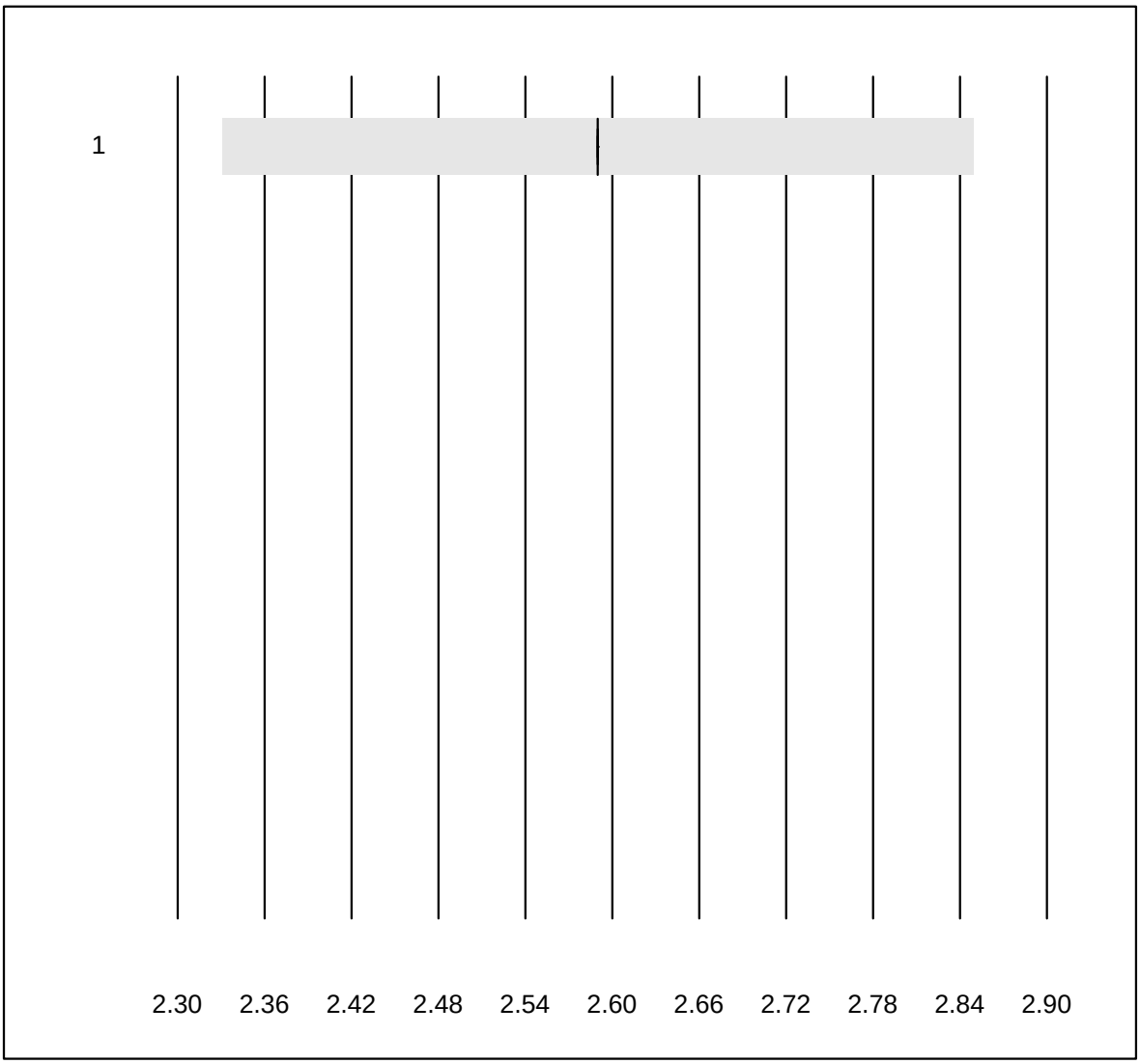
# NT-proBNP




QUALAB tolerance : 27 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | AQT 90 FLEX | 7 | 100.0 | 0.0 | 0.0 | 1740.0 | 12.4 | e* |
| 2 | Vidas | 4 | 100.0 | 0.0 | 0.0 | 650.5 | 16.0 | e* |
| 3 | Cobas E / Elecsys | 12 | 100.0 | 0.0 | 0.0 | 537.6 | 7.2 | e |

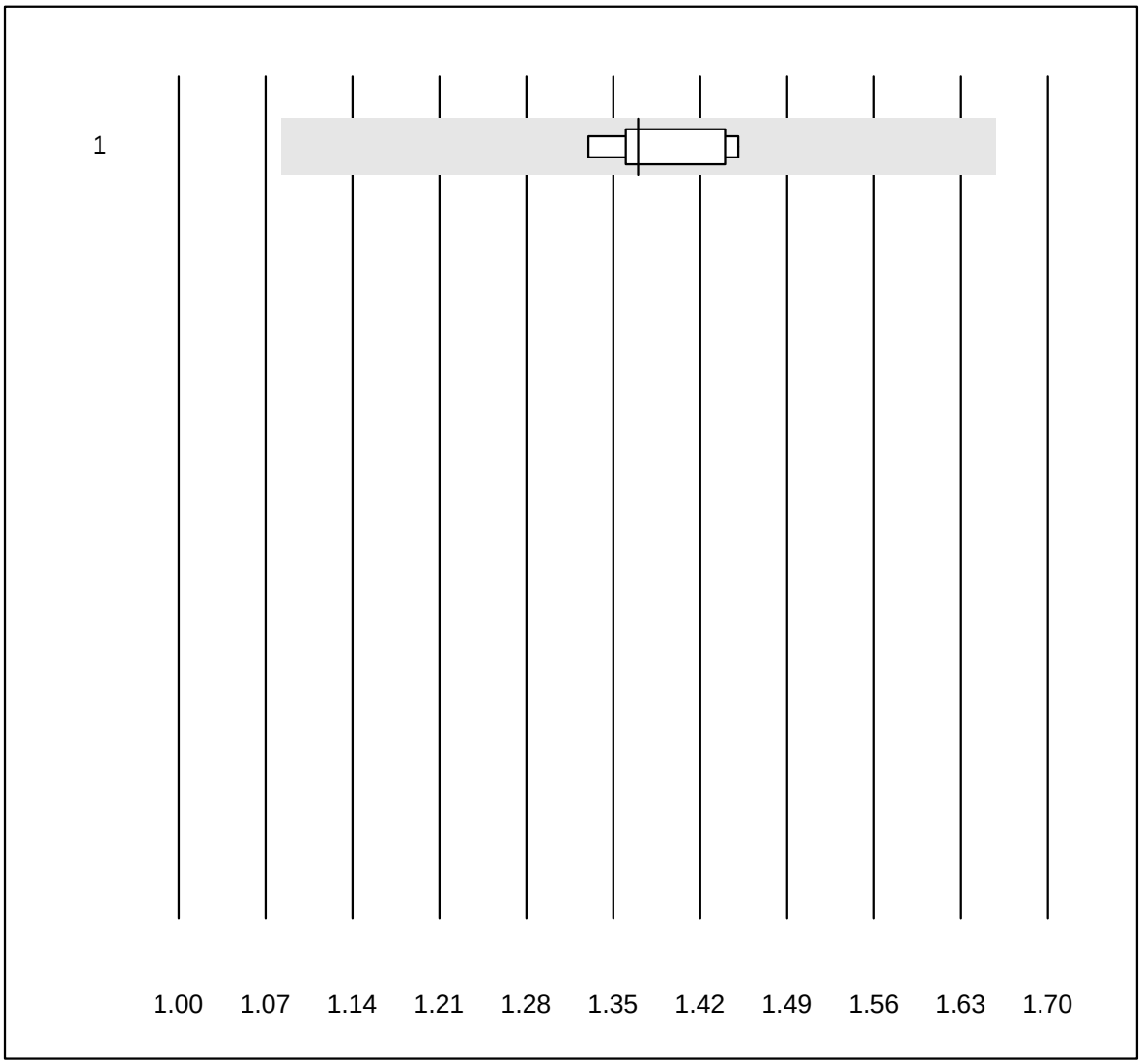
# Cholesterin PTS




QUALAB tolerance : 10 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | CardioChek | 7 | 85.7 | 0.0 | 14.3 | 2.59 | 0.0 | e |

# Cholesterin HDL PTS

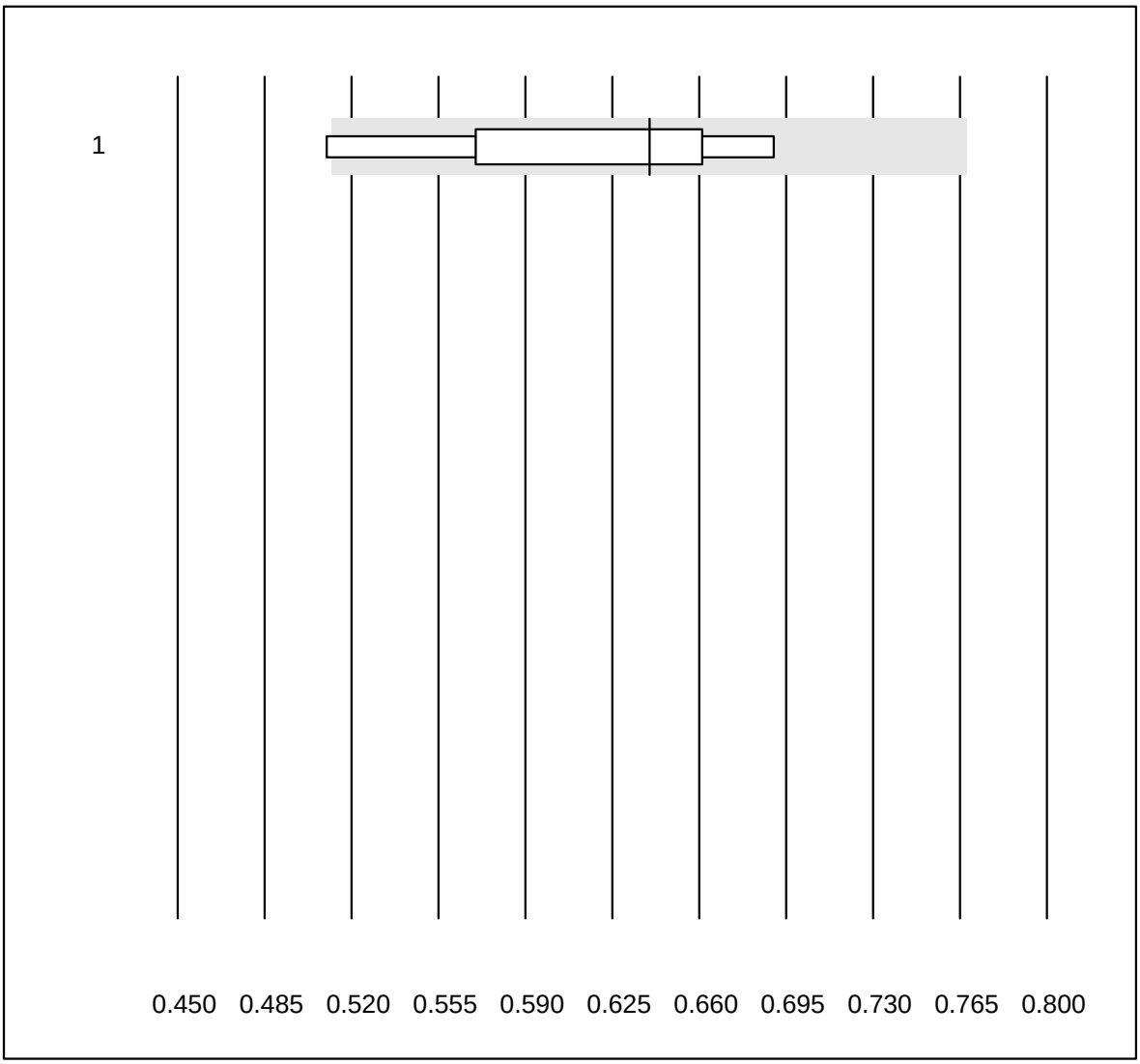



QUALAB tolerance : 21 %

Cholesterin HDL PTS (mmol/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | CardioChek | 7 | 71.4 | 0.0 | 28.6 | 1.37 | 3.8 | e |

# Triglyceride PTS

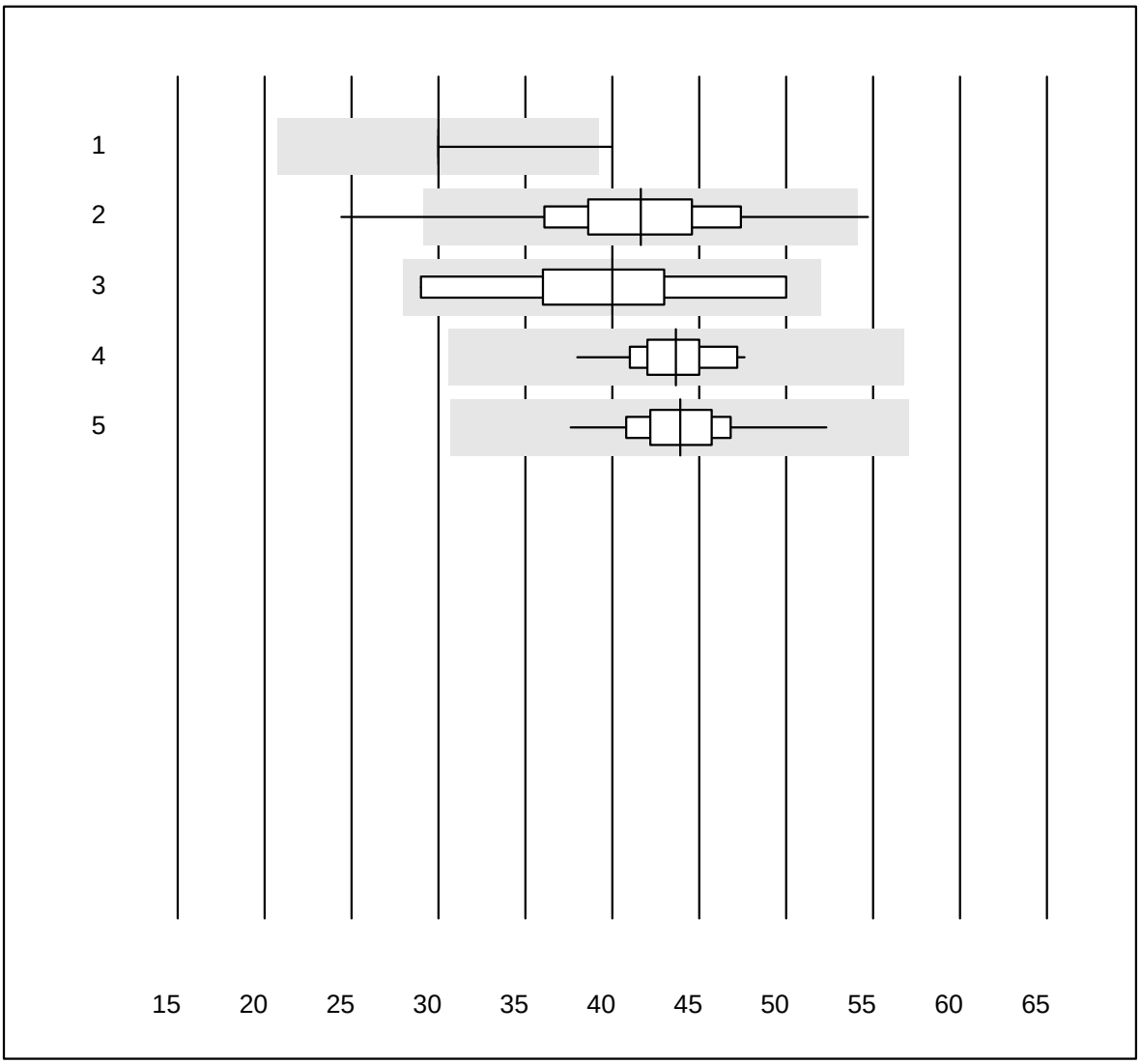



QUALAB tolerance : 20 %

Triglyceride PTS (mmol/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | CardioChek | 7 | 71.4 | 14.3 | 14.3 | 0.64 | 11.2 | e* |

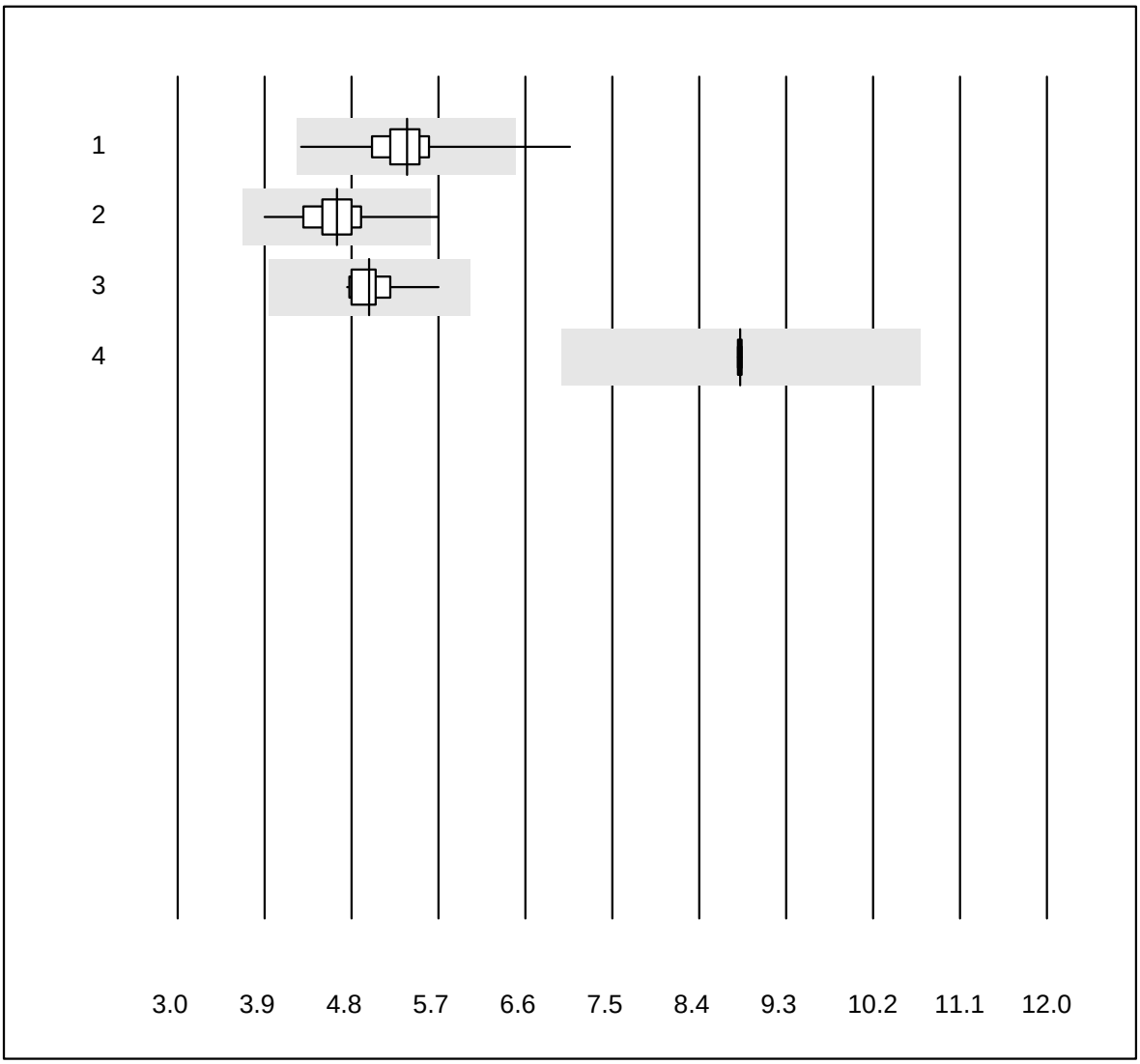
# Creatinine U




QUALAB tolerance : 30 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Siemens Clinitek | 15 | 73.3 | 6.7 | 20.0 | 30.0 | 9.4 | a |
| 2 | Afinion | 336 | 96.1 | 1.8 | 2.1 | 41.6 | 11.2 | e |
| 3 | NycoCard | 10 | 90.0 | 0.0 | 10.0 | 40.0 | 17.8 | e* |
| 4 | Turbidimetry | 17 | 100.0 | 0.0 | 0.0 | 43.7 | 5.8 | e |
| 5 | DCA2000/Vantage | 124 | 97.6 | 0.0 | 2.4 | 43.9 | 6.0 | e |

# Creatinin Urin

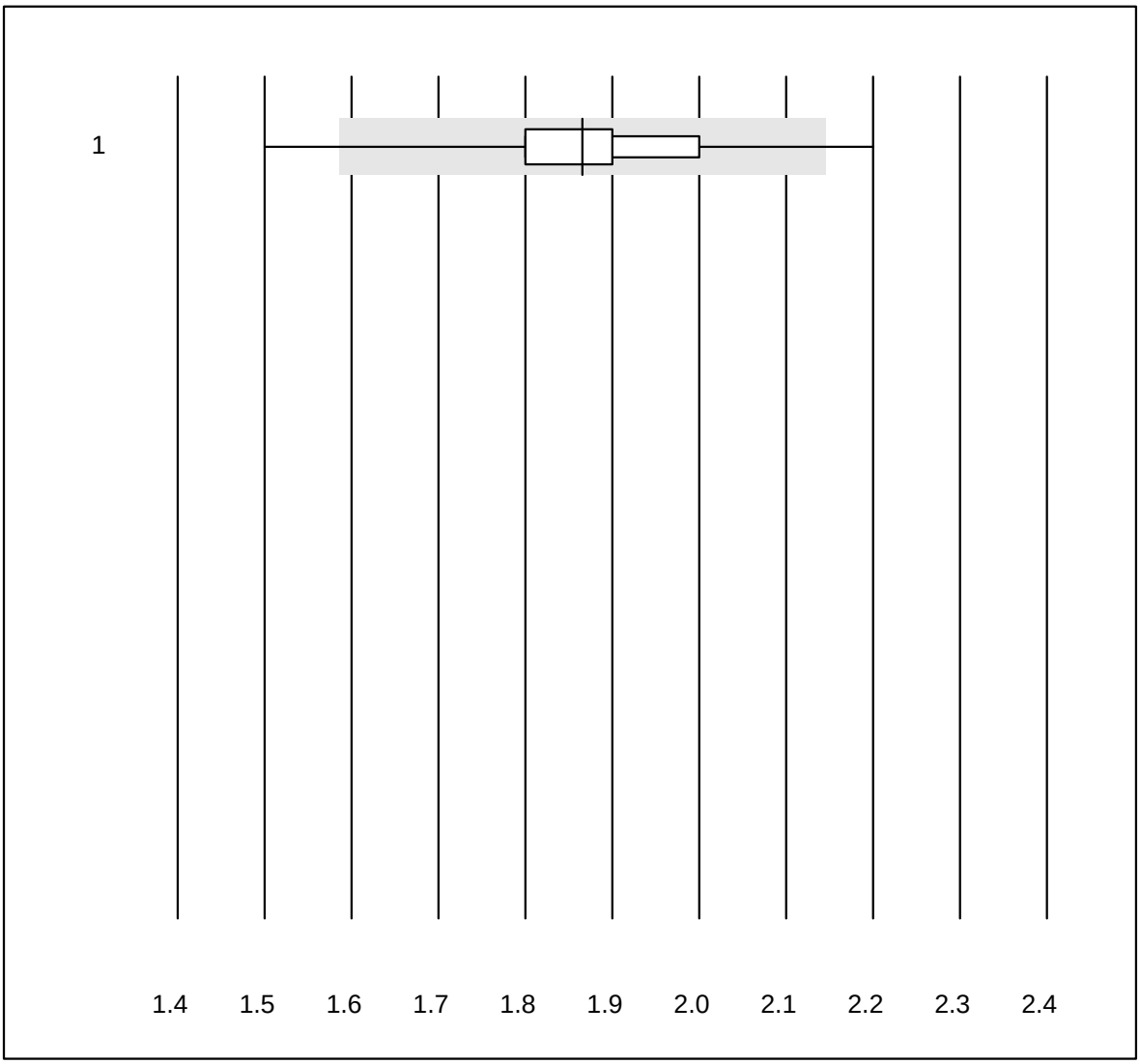



QUALAB tolerance : 21 %

Creatinin Urin (mmol/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | DCA2000/Vantage | 123 | 94.3 | 1.6 | 4.1 | 5.4 | 6.0 | e |
| 2 | Afinion | 336 | 98.5 | 0.3 | 1.2 | 4.6 | 5.2 | e |
| 3 | Standard chemistry | 31 | 100.0 | 0.0 | 0.0 | 5.0 | 4.2 | e |
| 4 | Siemens Clinitek | 14 | 42.9 | 0.0 | 57.1 | 8.8 | 0.2 | e |

# INR CCXS

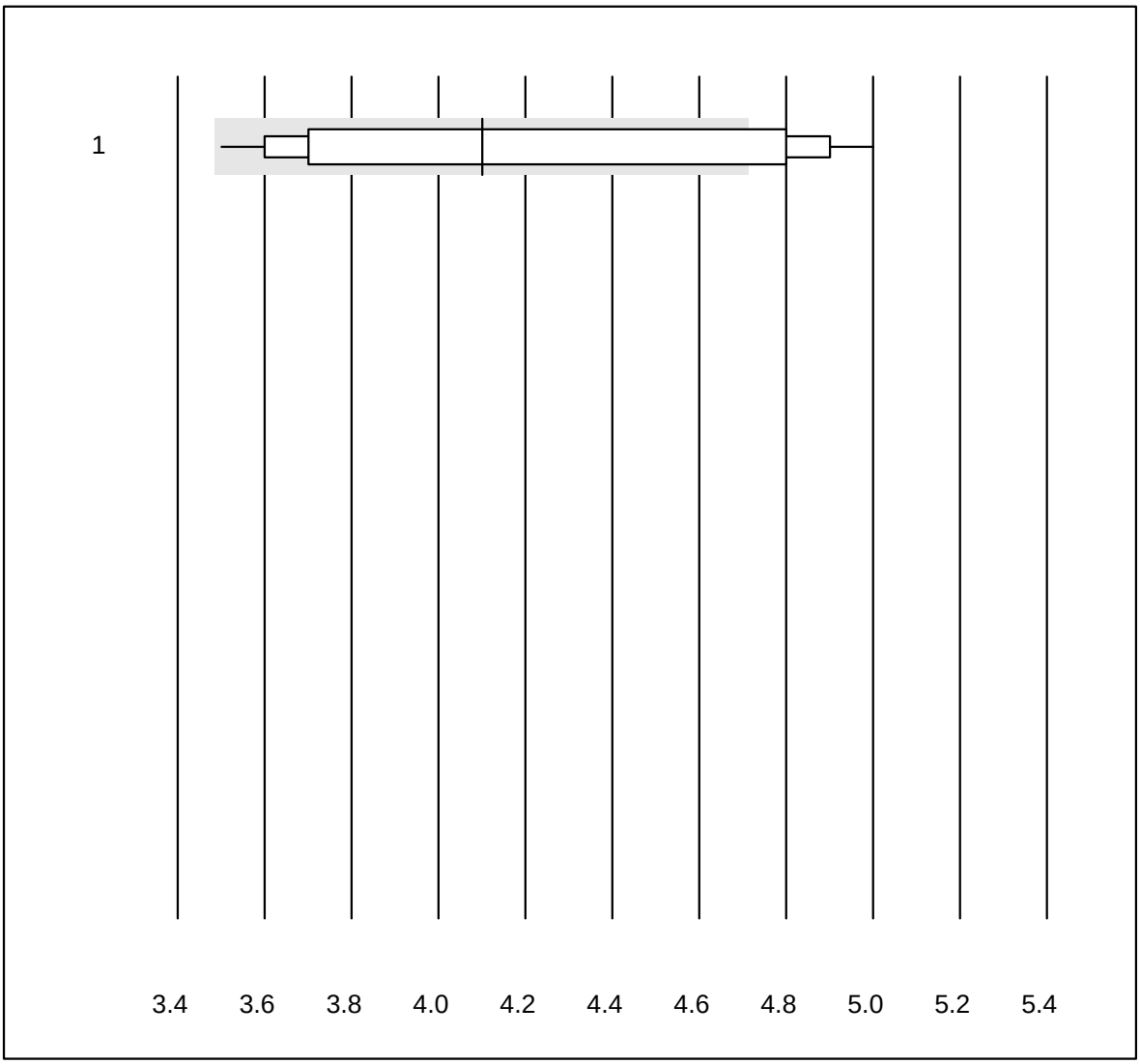



QUALAB tolerance : 15 %

INR CCXS ()

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | CoaguChek XS | 2325 | 99.4 | 0.3 | 0.3 | 1.9 | 4.4 | e |

# INR HC

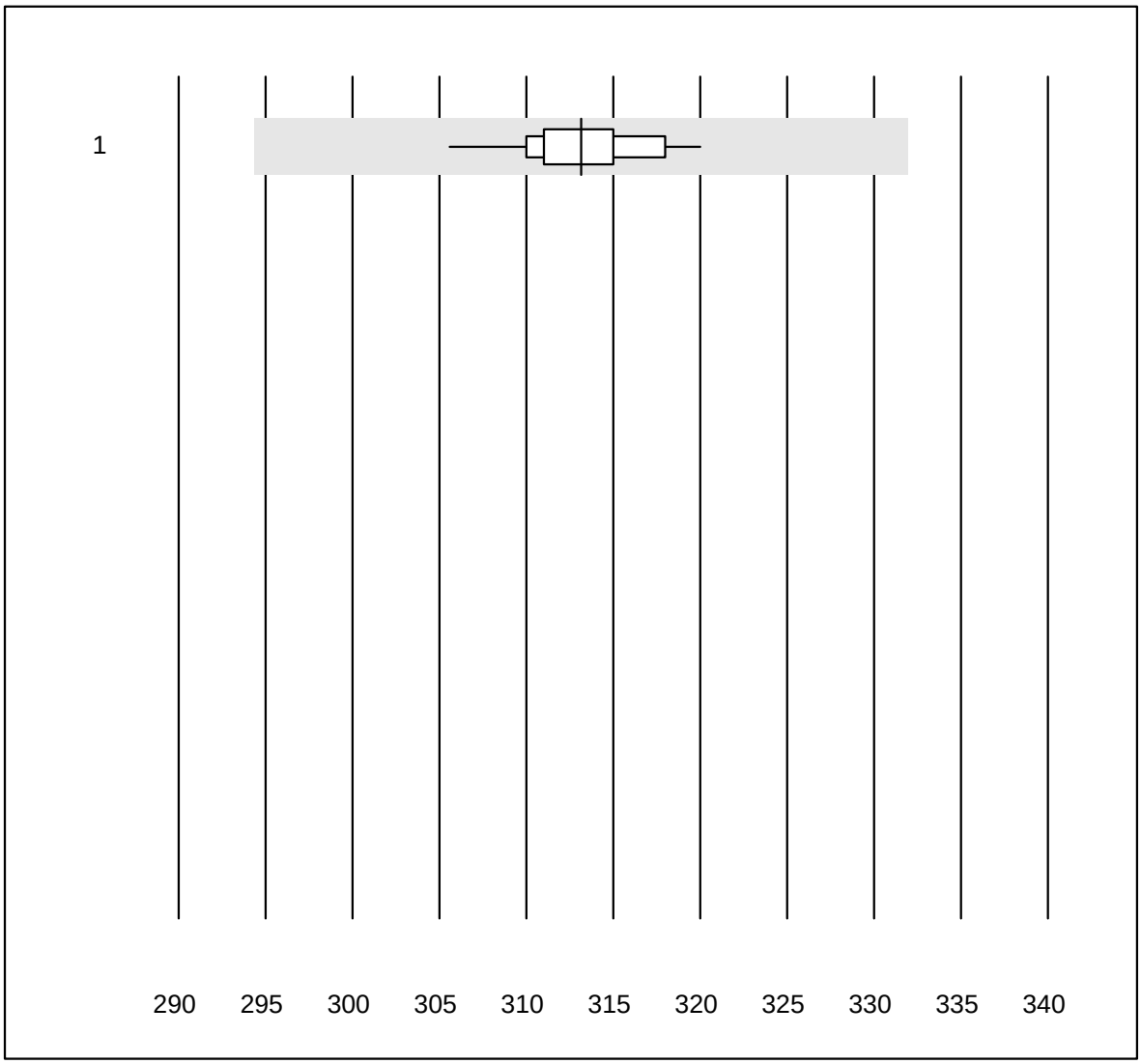



QUALAB tolerance : 15 %

INR HC ()

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Hemochron j. | 21 | 66.7 | 23.8 | 9.5 | 4.1 | 12.3 | e* |

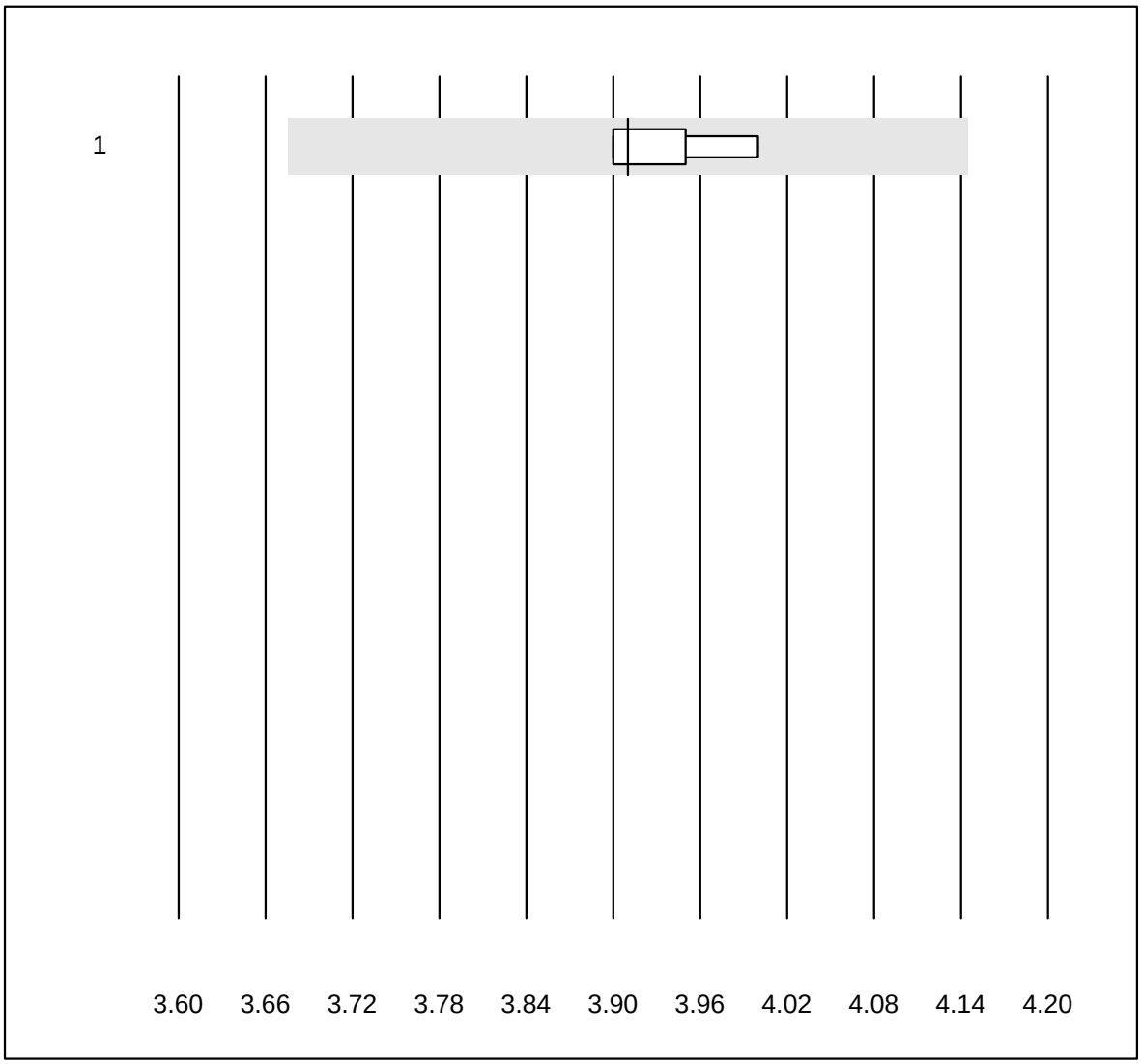
# Osmolality




QUALAB tolerance : 6 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Cryoskopy | 13 | 100.0 | 0.0 | 0.0 | 313 | 1.2 | e |

# Potassium - K22

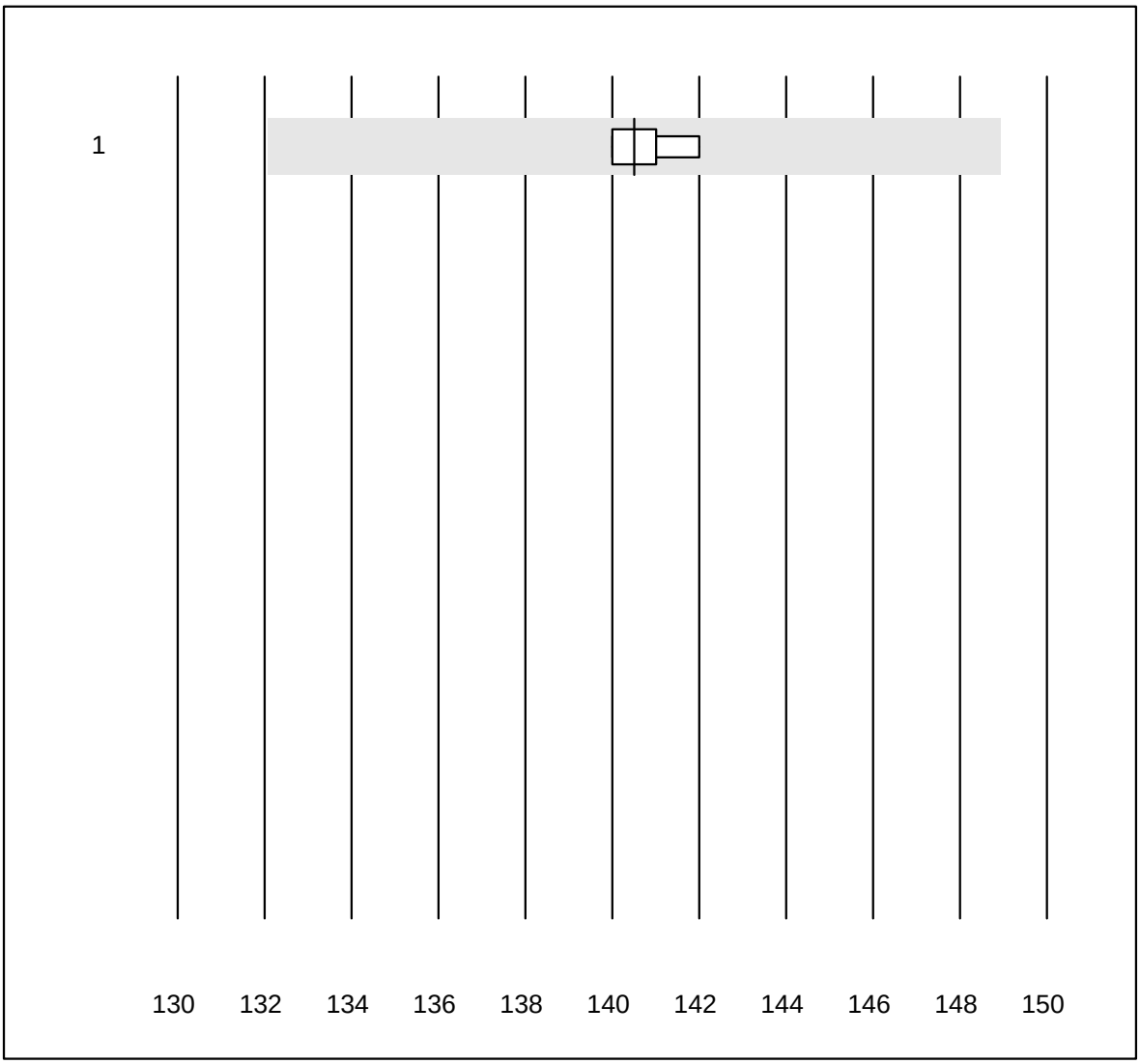



QUALAB tolerance : 6 %

Potassium - K22 (mmol/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | ISE | 9 | 100.0 | 0.0 | 0.0 | 3.9 | 1.0 | e |

# Sodium - K22

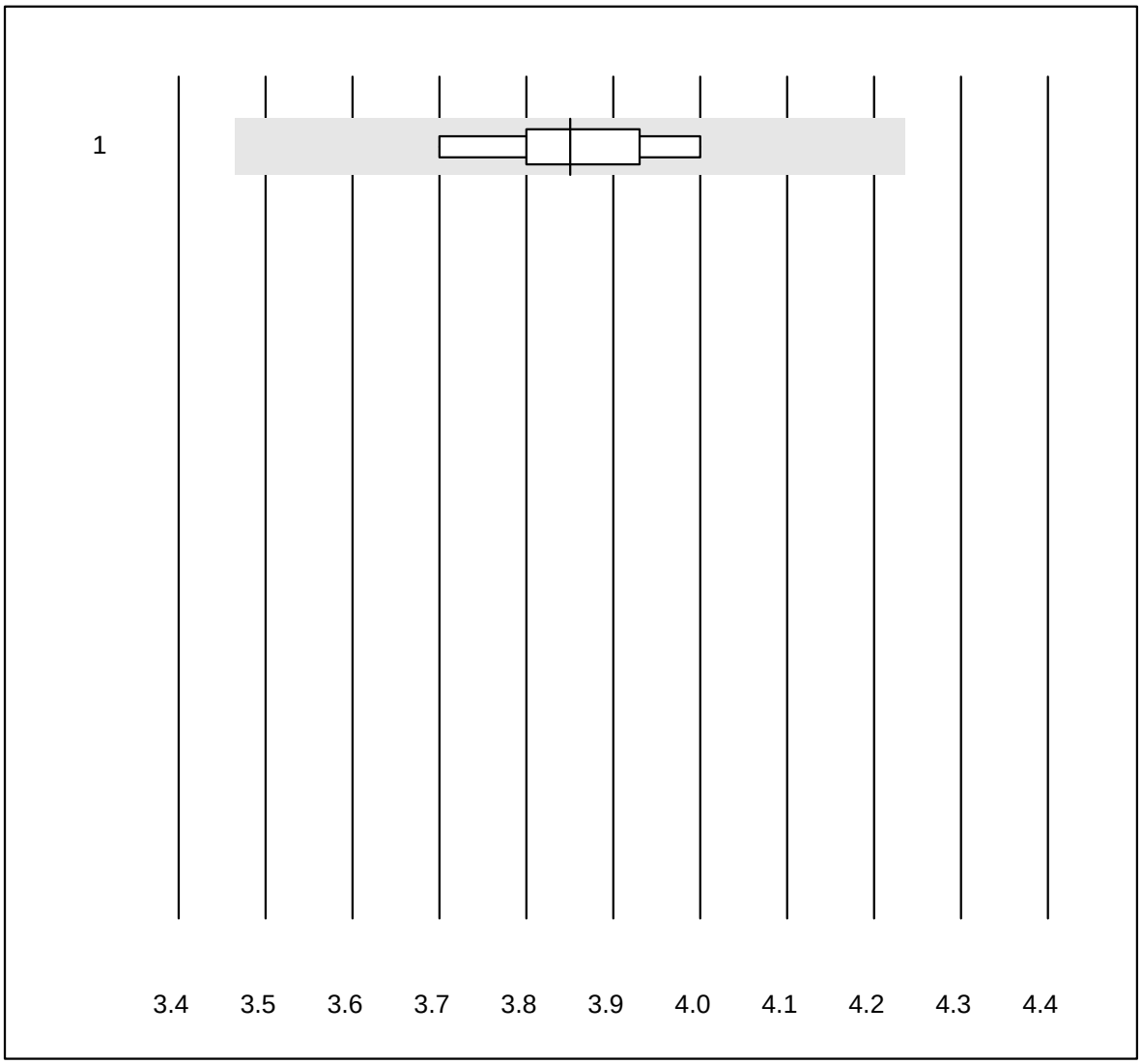



QUALAB tolerance : 6 %

Sodium - K22 (mmol/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | ISE | 9 | 100.0 | 0.0 | 0.0 | 141 | 0.5 | e |

# Glucose - K22

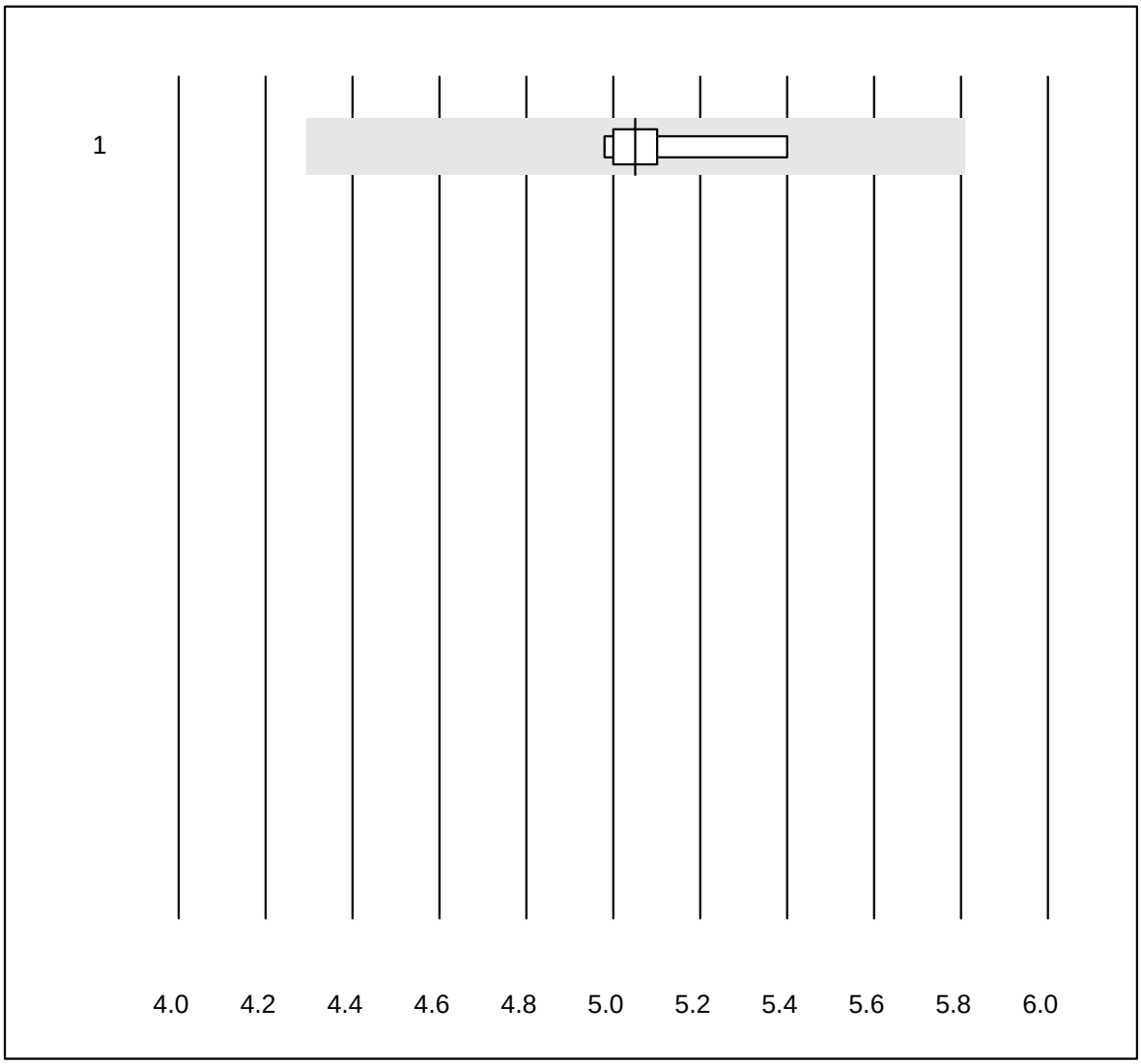



QUALAB tolerance : 10 %

Glucose - K22 (mmol/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Standard chemistry | 9 | 100.0 | 0.0 | 0.0 | 3.9 | 3.0 | e |

# Urea - K22

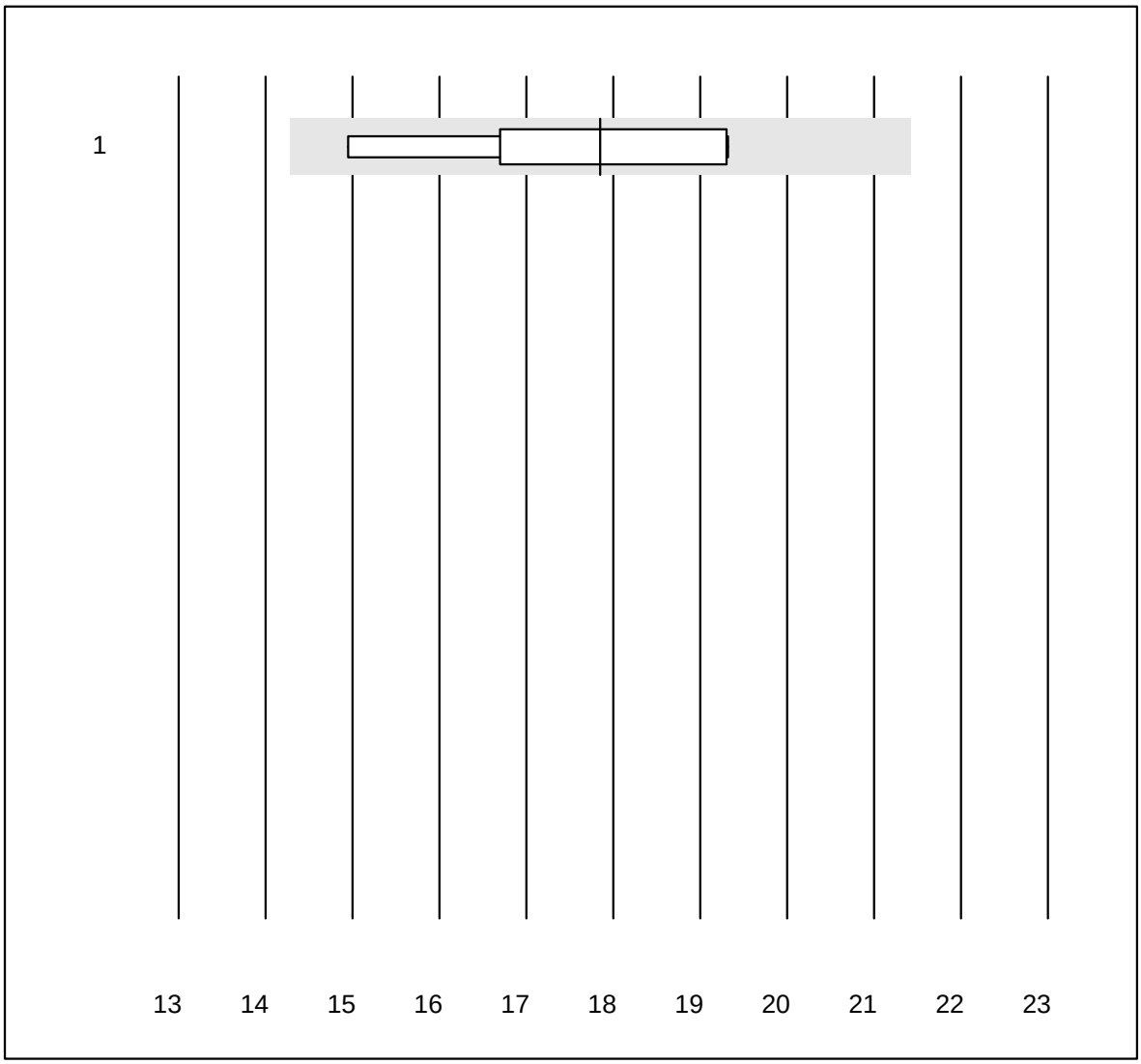



QUALAB tolerance : 15 %

Urea - K22 (mmol/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Standard chemistry | 9 | 100.0 | 0.0 | 0.0 | 5.1 | 2.7 | e |

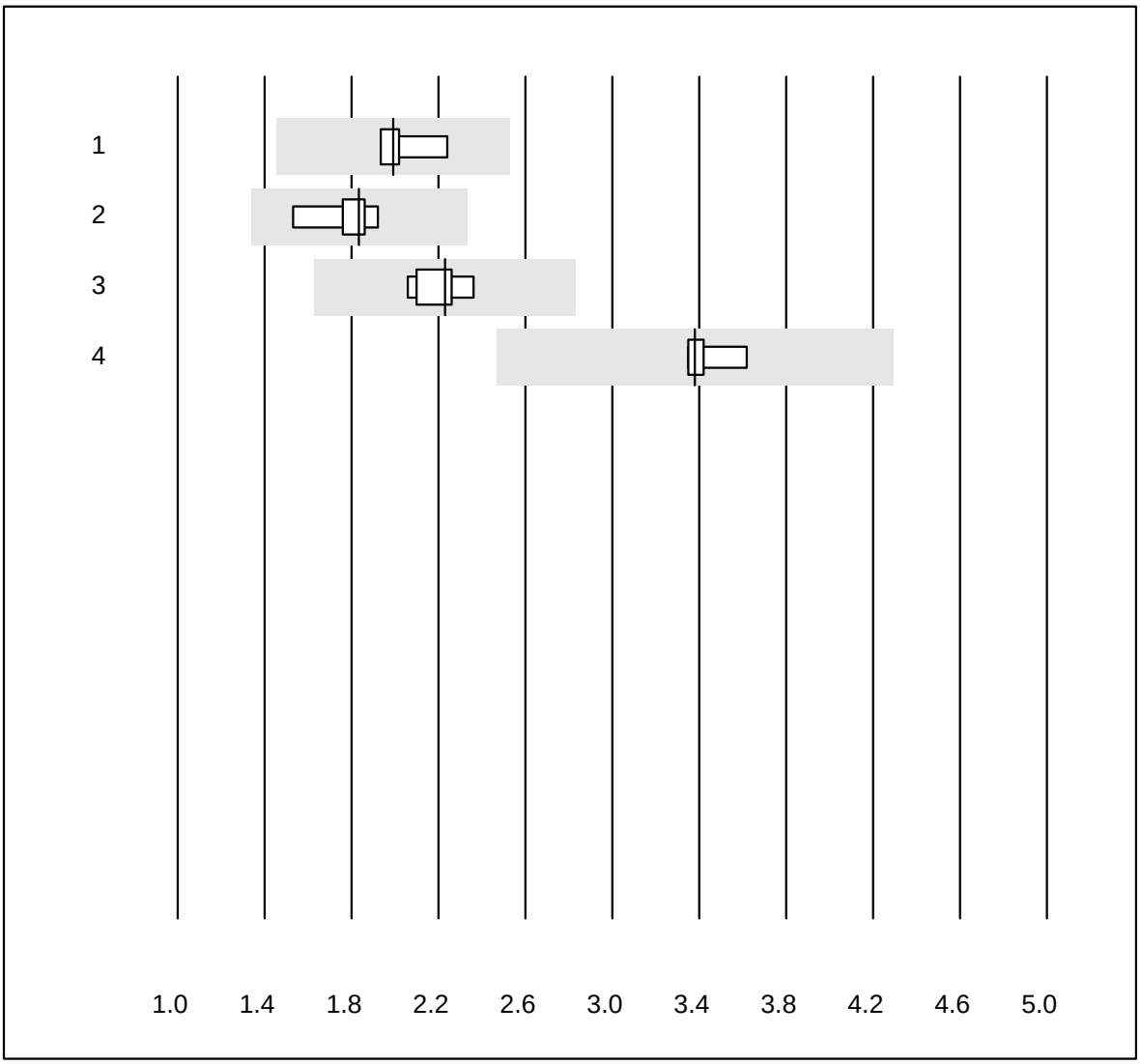
# Osmotic Gap




QUALAB tolerance : 20 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Formel 1 (2Na+K+Glu+ | 6 | 100.0 | 0.0 | 0.0 | 17.9 | 9.9 | e* |

# Procalcitonin

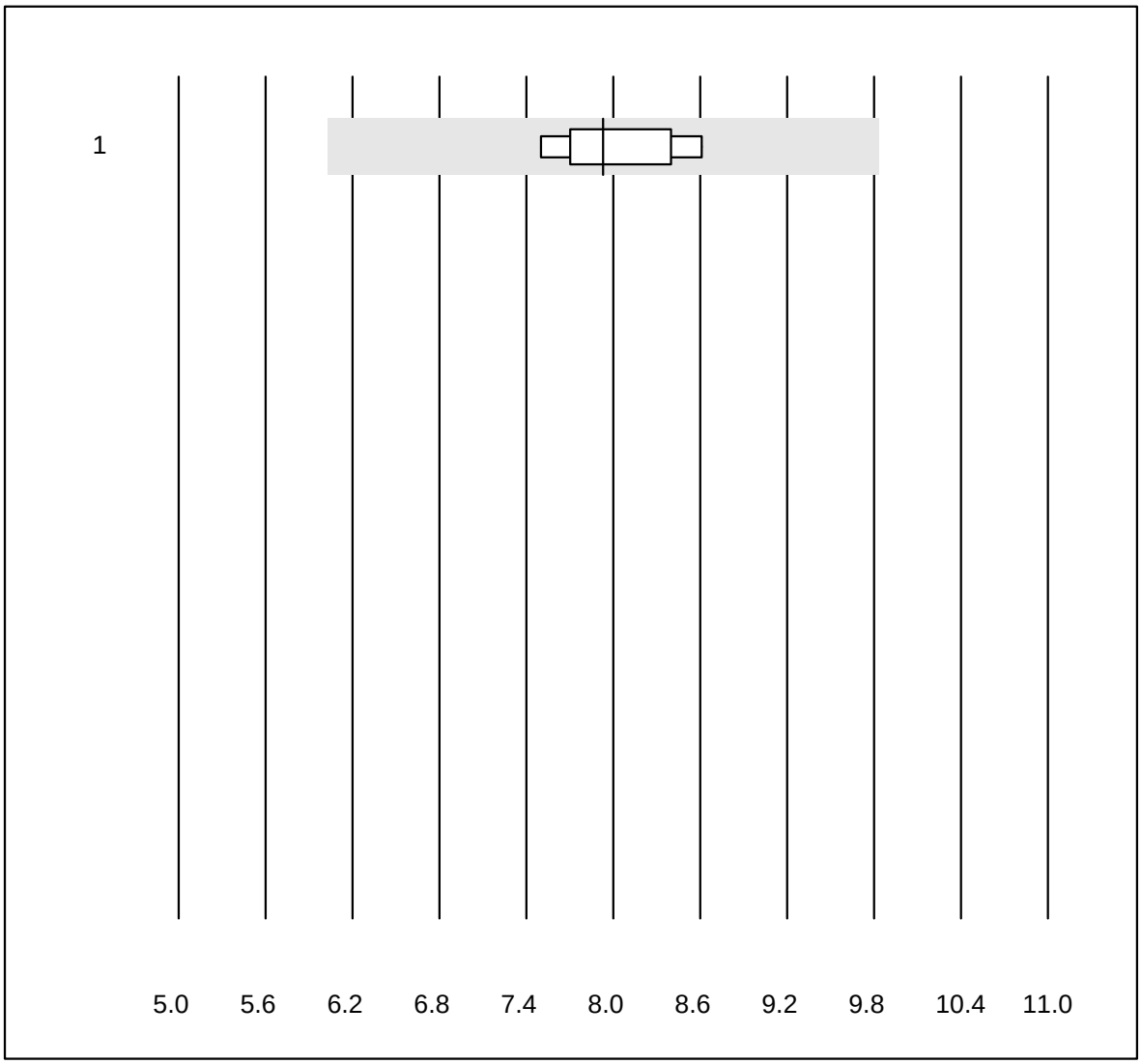



QUALAB tolerance : 27 %

Procalcitonin (µg/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Other methods | 5 | 100.0 | 0.0 | 0.0 | 1.99 | 6.4 | e |
| 2 | Cobas | 8 | 100.0 | 0.0 | 0.0 | 1.84 | 6.9 | e |
| 3 | Mini Vidas | 9 | 100.0 | 0.0 | 0.0 | 2.23 | 4.9 | e |
| 4 | Liason | 4 | 100.0 | 0.0 | 0.0 | 3.38 | 3.5 | e |

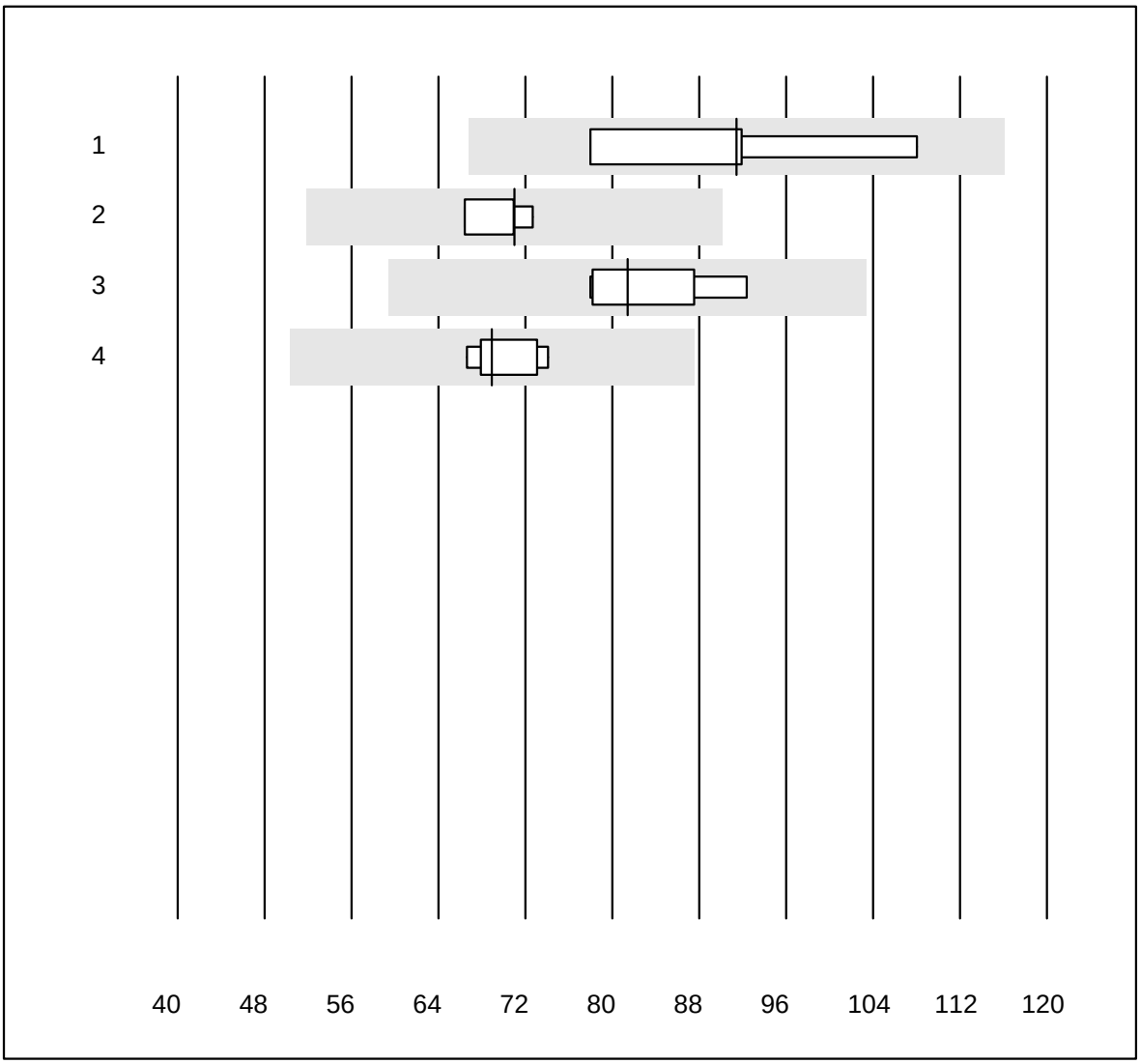
# Parathyroid hormone




QUALAB tolerance : 24 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Cobas PTH STAT | 5 | 100.0 | 0.0 | 0.0 | 7.9 | 5.8 | e |

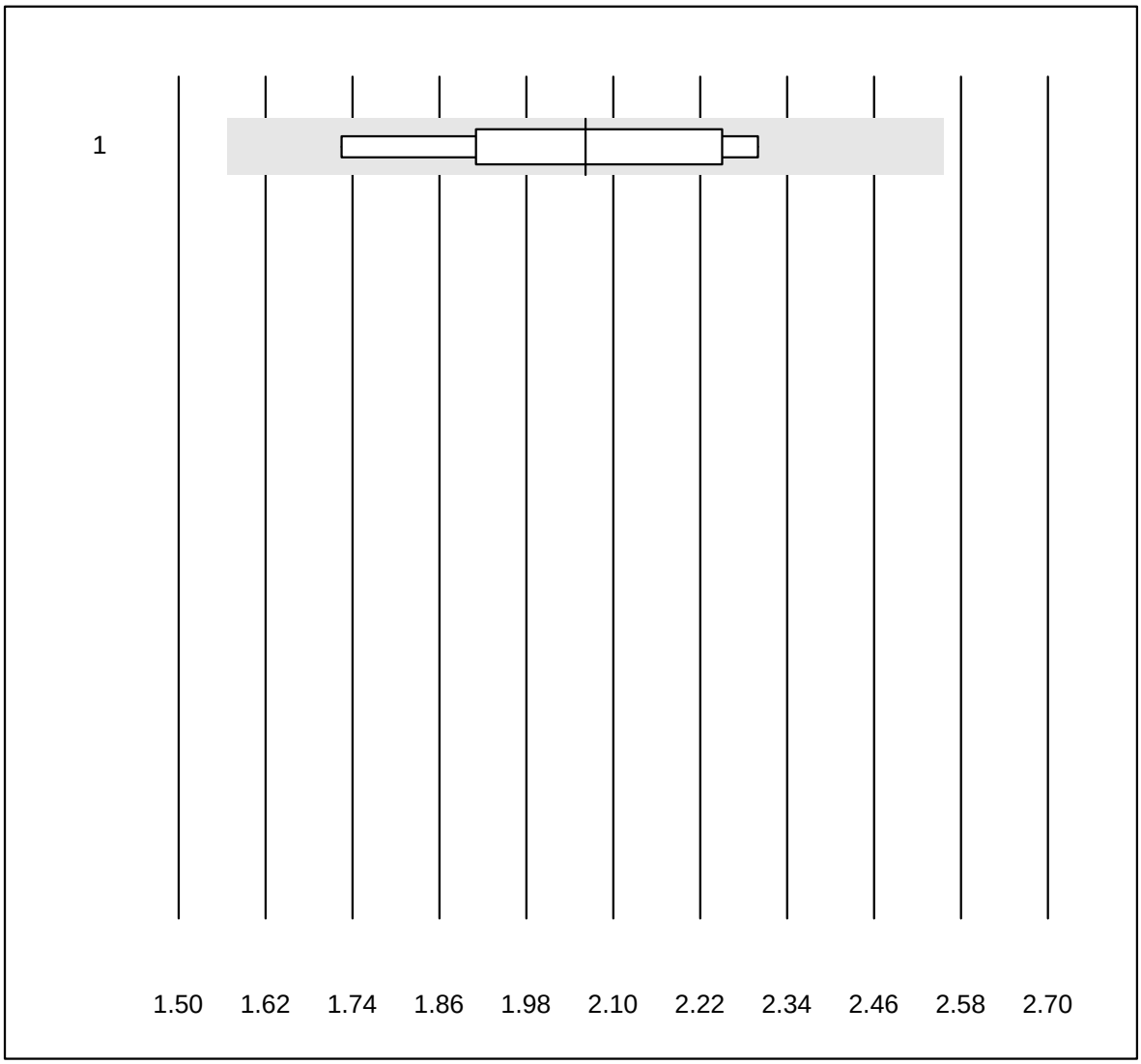
# 25-OH Vitamin D




QUALAB tolerance : 27 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Qualigen | 5 | 80.0 | 0.0 | 20.0 | 91.4 | 13.7 | a |
| 2 | Other methods | 5 | 80.0 | 0.0 | 20.0 | 71.0 | 3.9 | a |
| 3 | Cobas | 5 | 100.0 | 0.0 | 0.0 | 81.4 | 7.5 | e* |
| 4 | Architect | 7 | 100.0 | 0.0 | 0.0 | 68.9 | 4.2 | e |

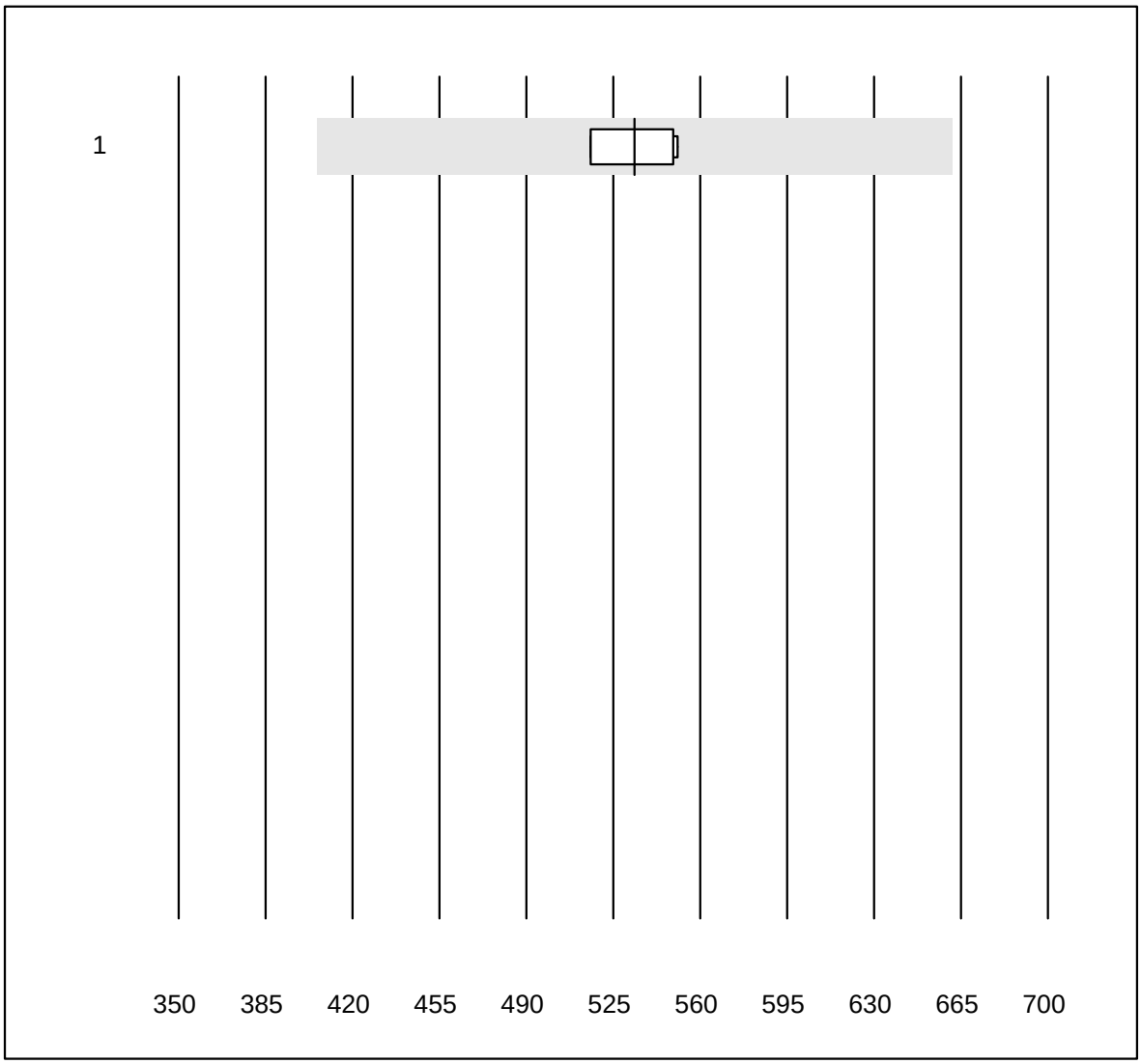
# Digoxin




QUALAB tolerance : 24 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Other methods | 10 | 100.0 | 0.0 | 0.0 | 2.06 | 10.7 | e* |

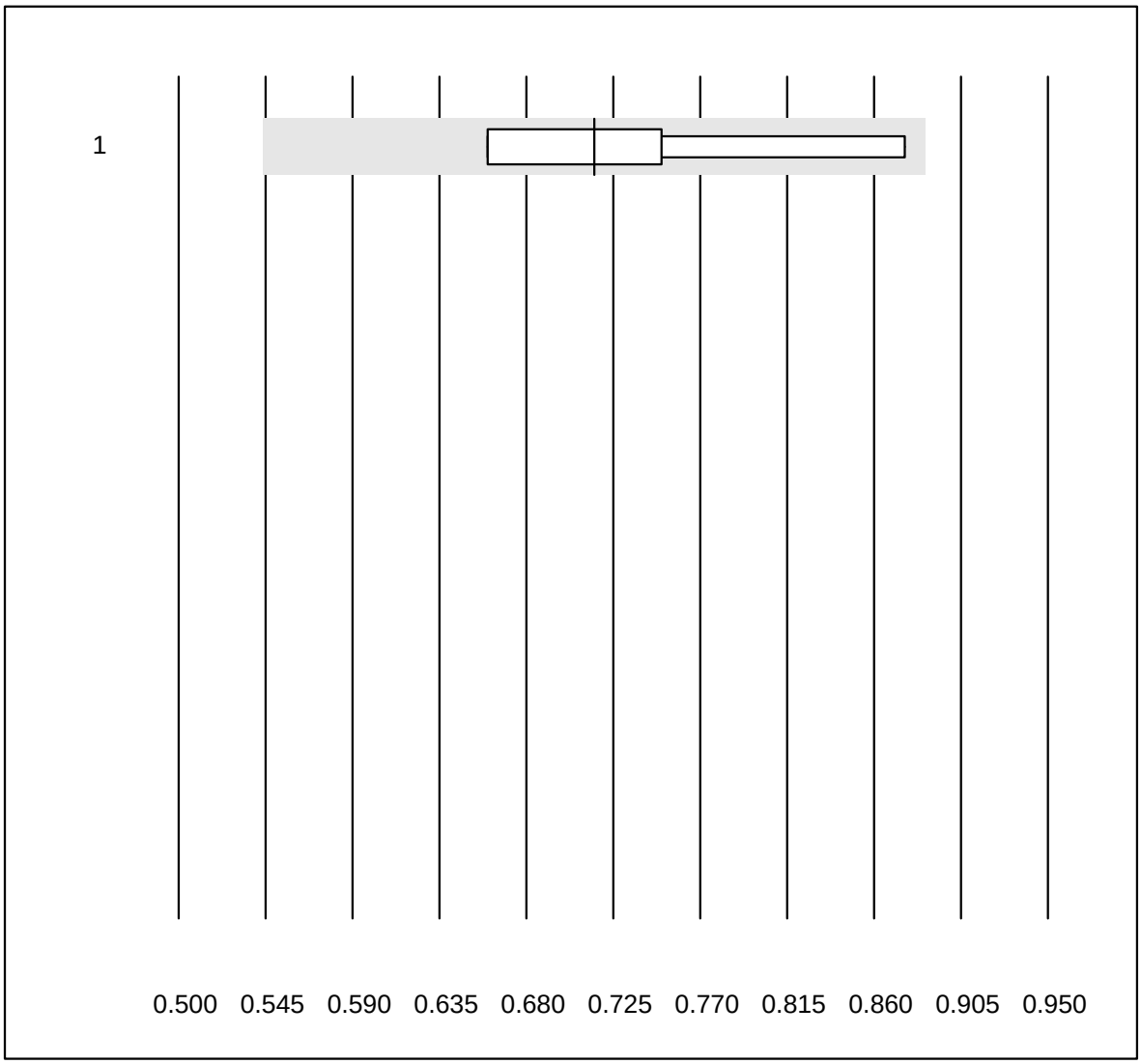
# Valproat




QUALAB tolerance : 24 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | all Participants | 4 | 100.0 | 0.0 | 0.0 | 533.5 | 3.6 | e |

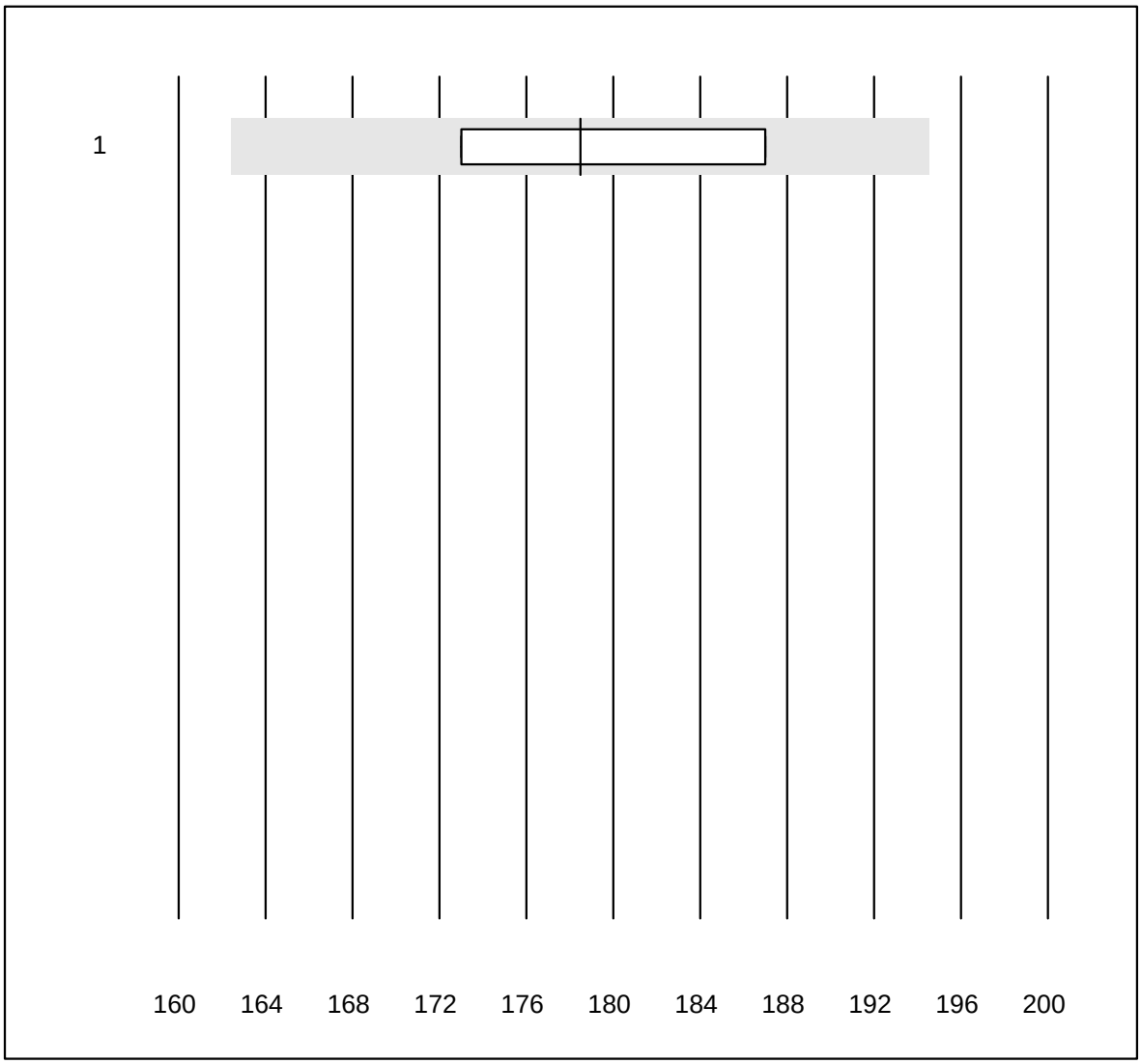
# Cystatin C




QUALAB tolerance : 24 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | all Participants | 4 | 100.0 | 0.0 | 0.0 | 0.7 | 13.2 | e* |

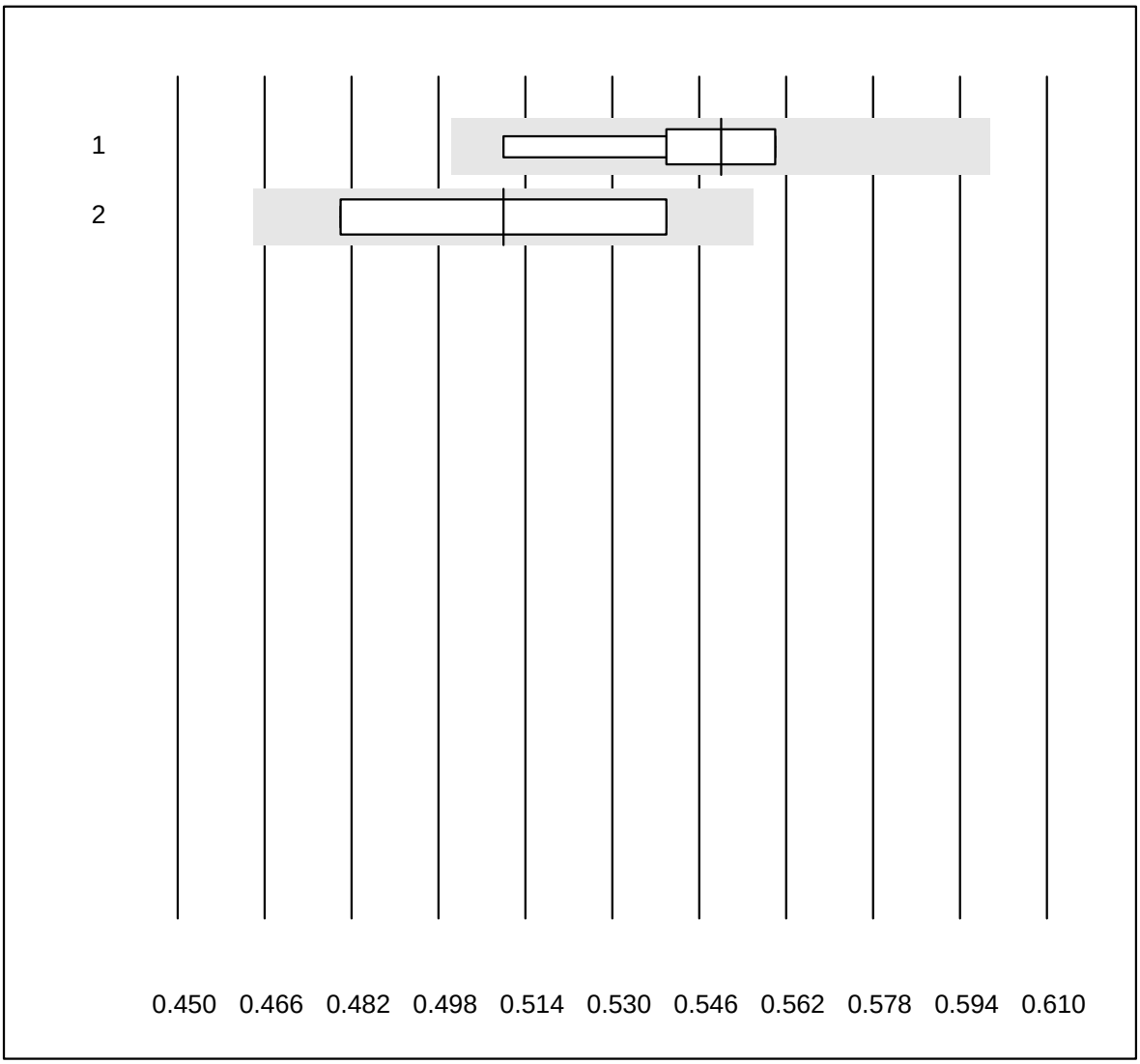
# Hemoglobin BG




QUALAB tolerance : 9 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | iStat | 4 | 75.0 | 0.0 | 25.0 | 178.5 | 4.1 | e* |

# Hematocrit

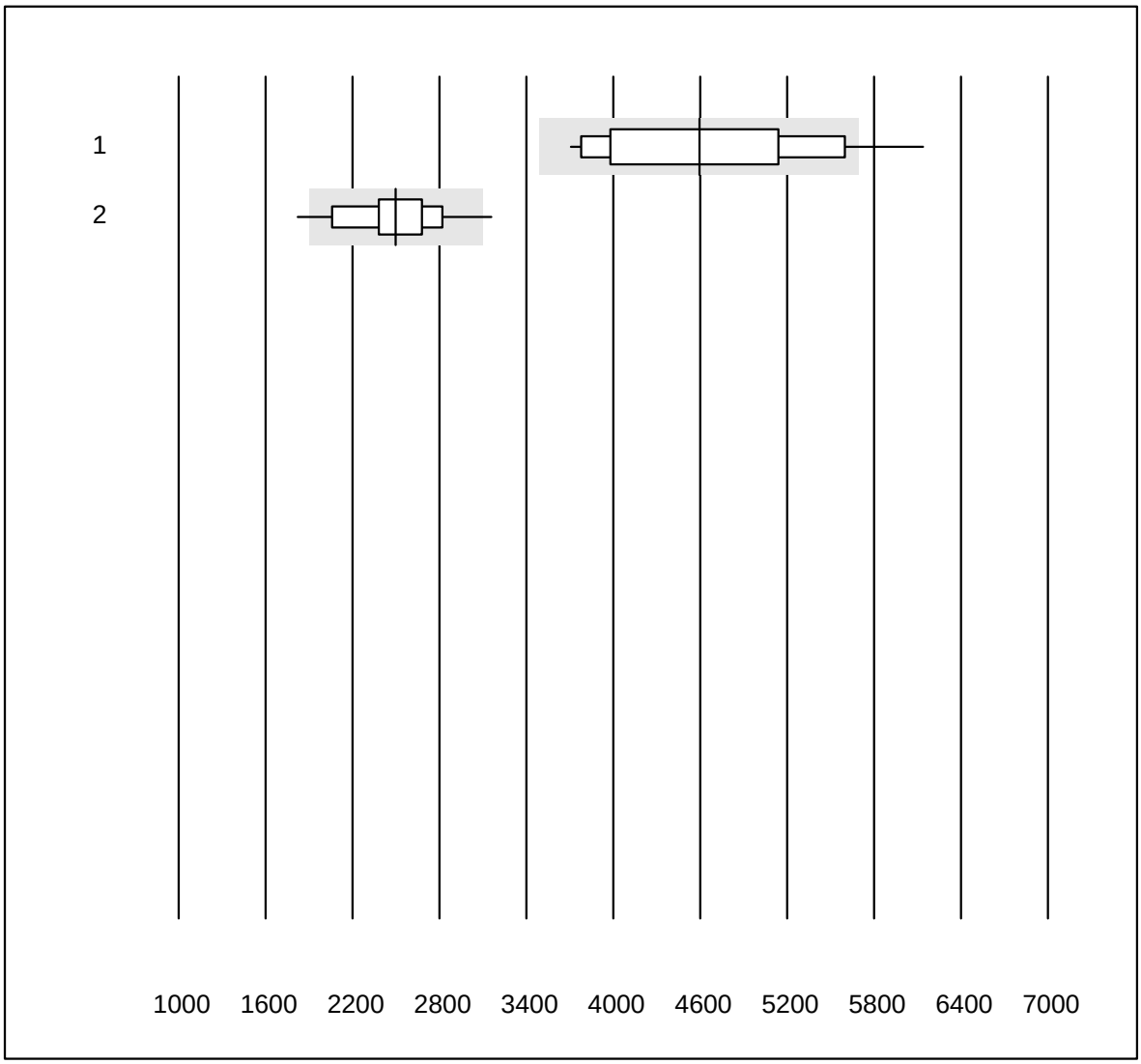



QUALAB tolerance : 9 %

Hematocrit (l/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | iStat | 5 | 100.0 | 0.0 | 0.0 | 0.55 | 3.8 | e* |
| 2 | EPOC | 5 | 80.0 | 0.0 | 20.0 | 0.51 | 6.8 | a |

# Troponin Triage

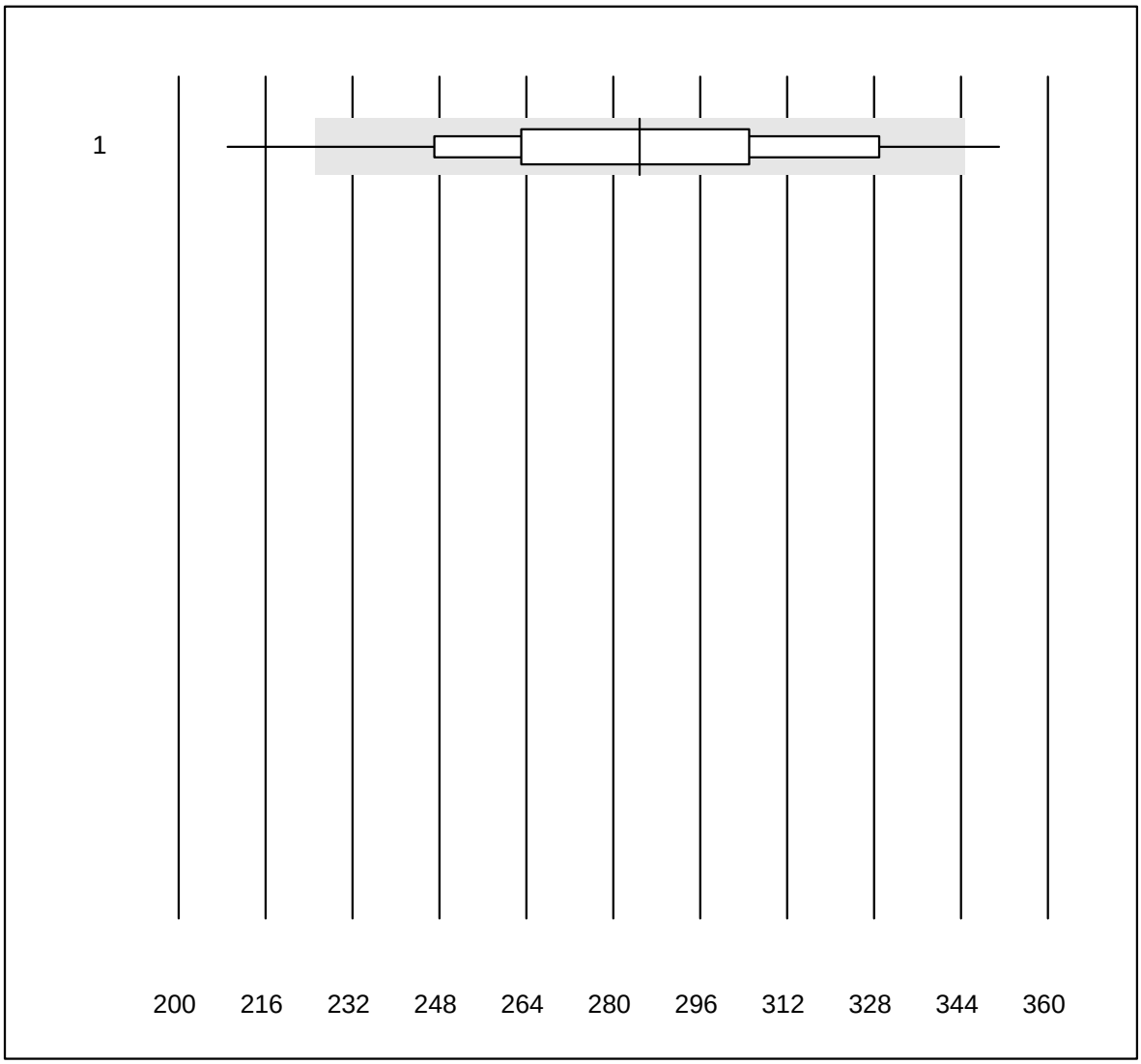



QUALAB tolerance : 24 %

Troponin Triage (ng/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Triage Next Gen | 30 | 93.4 | 3.3 | 3.3 | 4592.90 | 14.9 | e |
| 2 | Triage SOB/Cardiac | 23 | 78.3 | 13.0 | 8.7 | 2497.62 | 14.0 | e* |

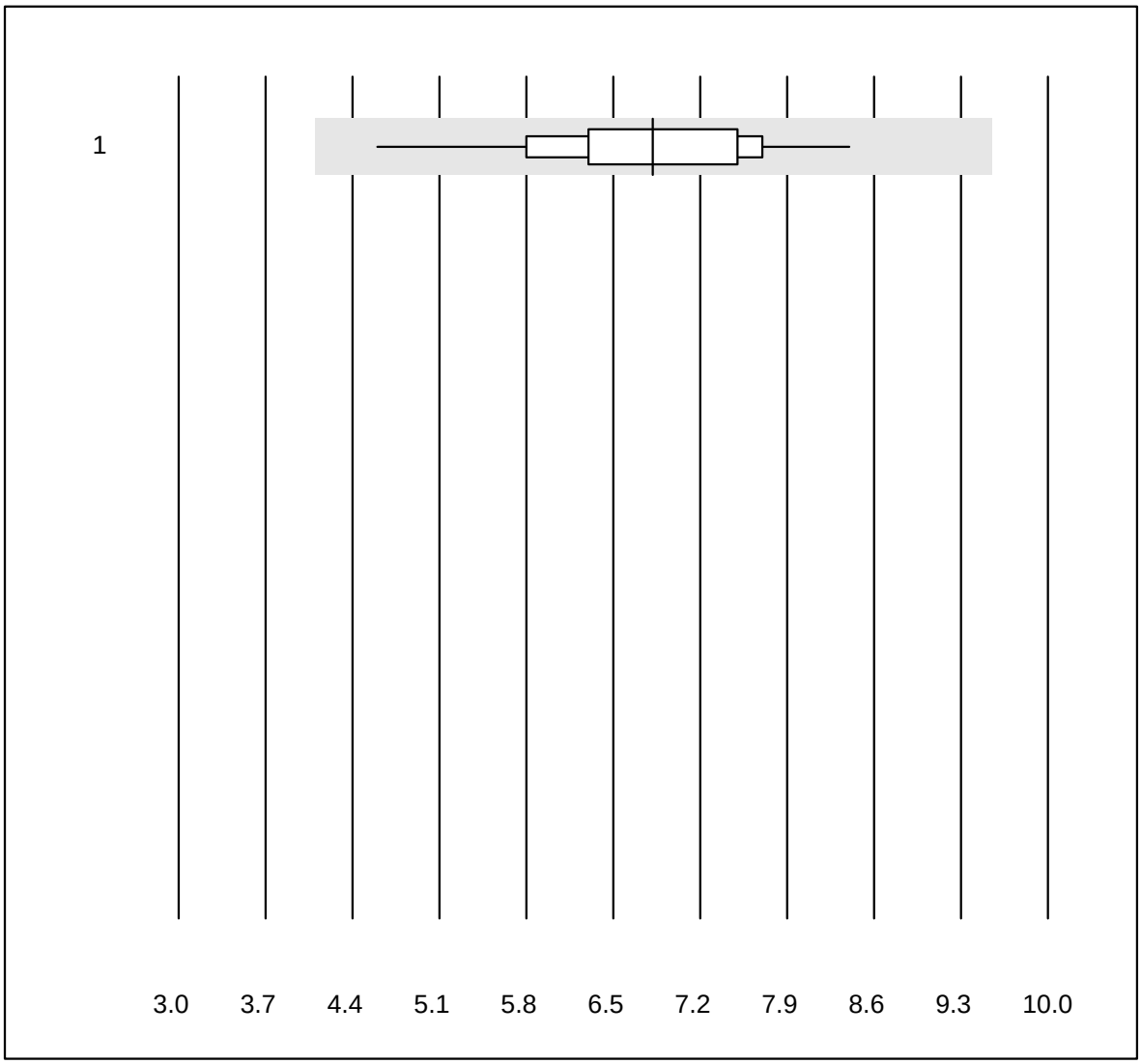
# D-dimer Triage




QUALAB tolerance : 21 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Triage | 49 | 91.8 | 4.1 | 4.1 | 284.89 | 10.9 | e |

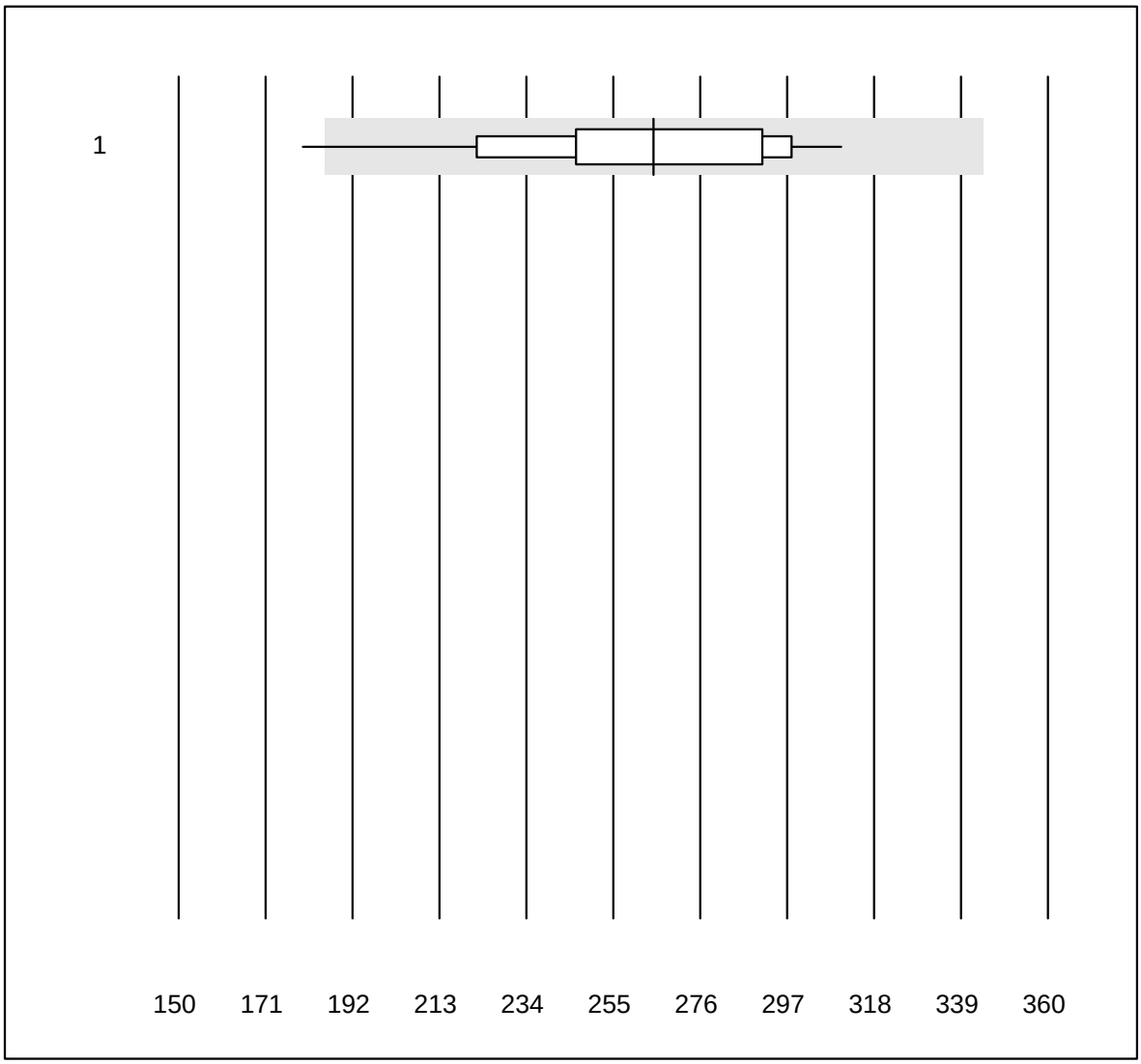
# CK-MB Triage




QUALAB tolerance : 40 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Triage | 21 | 100.0 | 0.0 | 0.0 | 6.8 | 12.6 | e |

# Myoglobin Triage

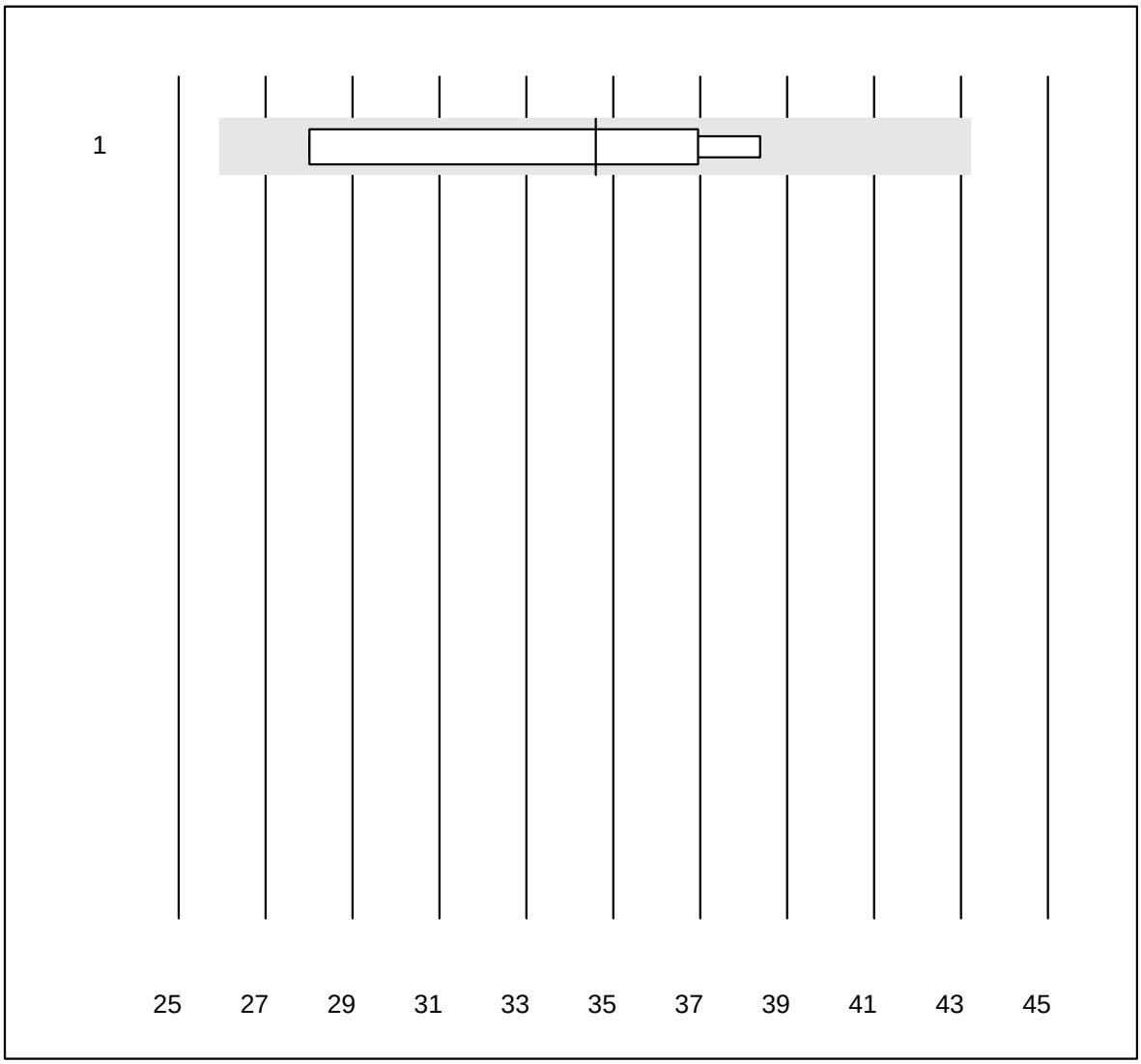



QUALAB tolerance : 30 %

Myoglobin Triage (µg/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Triage | 19 | 94.7 | 5.3 | 0.0 | 264.8 | 11.7 | e |

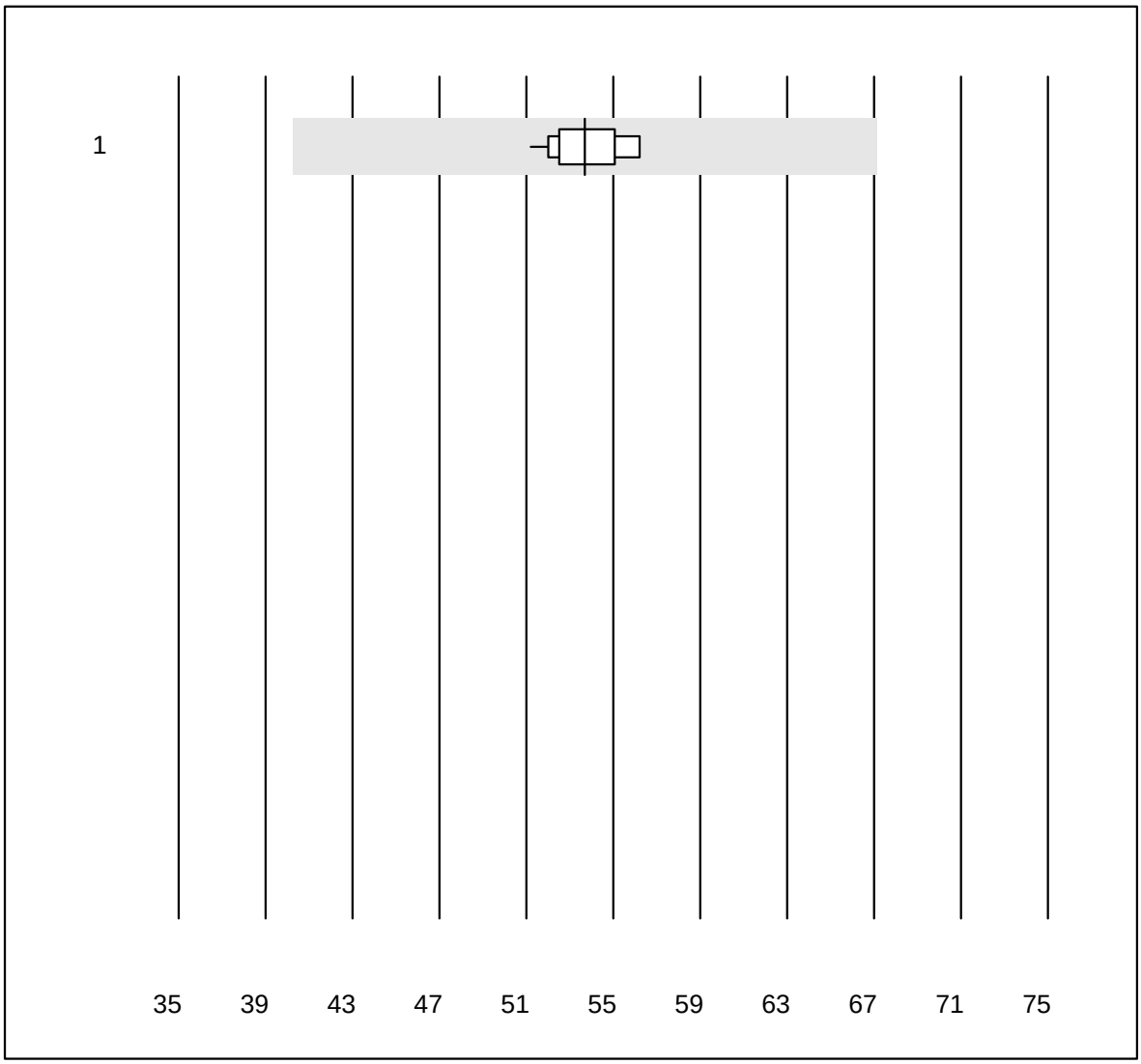
# Lipoprotein (a)




QUALAB tolerance : 25 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | all Participants | 4 | 100.0 | 0.0 | 0.0 | 35 | 13.3 | a |

# Ethanol

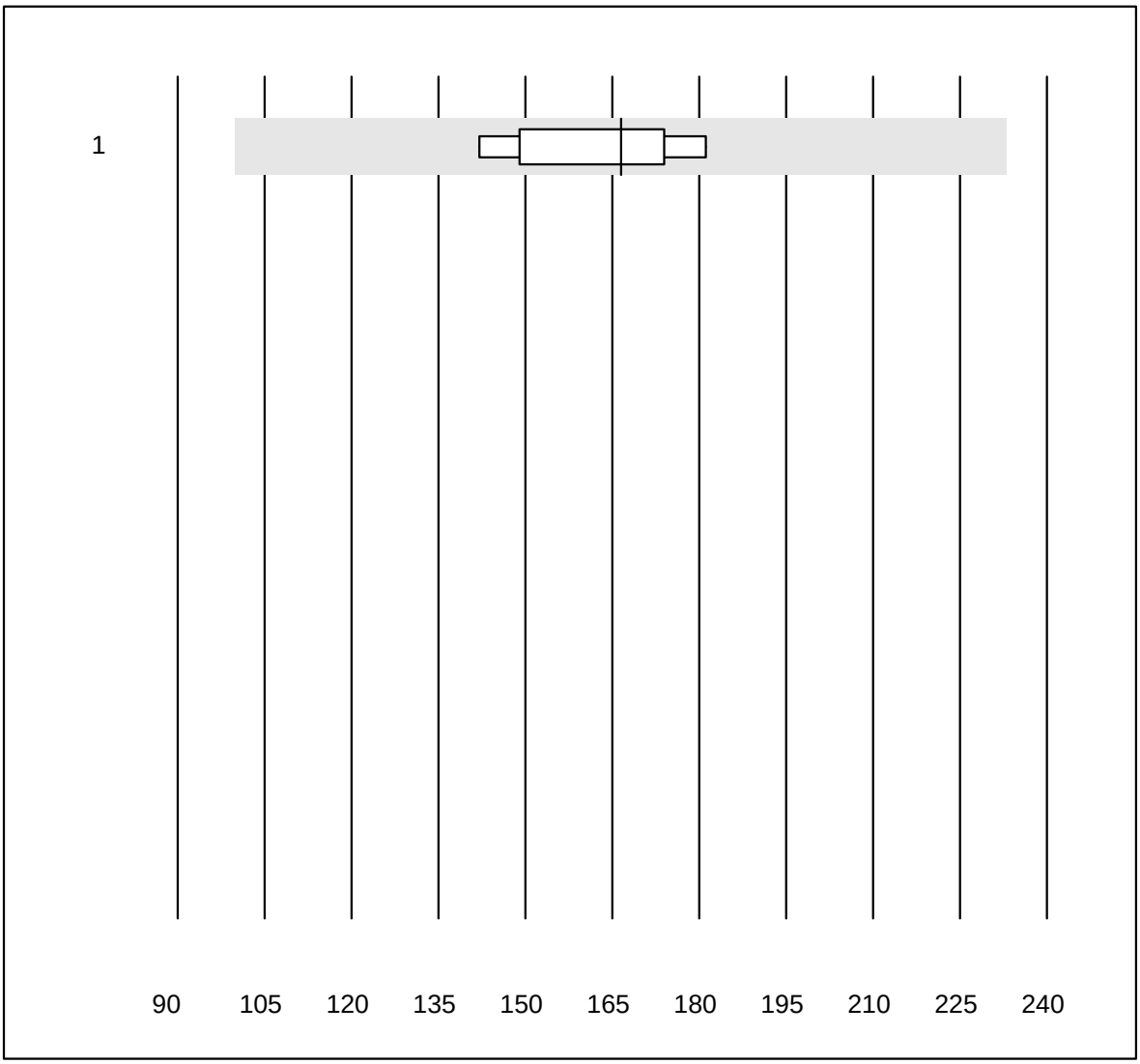



QUALAB tolerance : 25 %

Ethanol (mmol/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | all Participants | 13 | 100.0 | 0.0 | 0.0 | 53.7 | 3.1 | e |

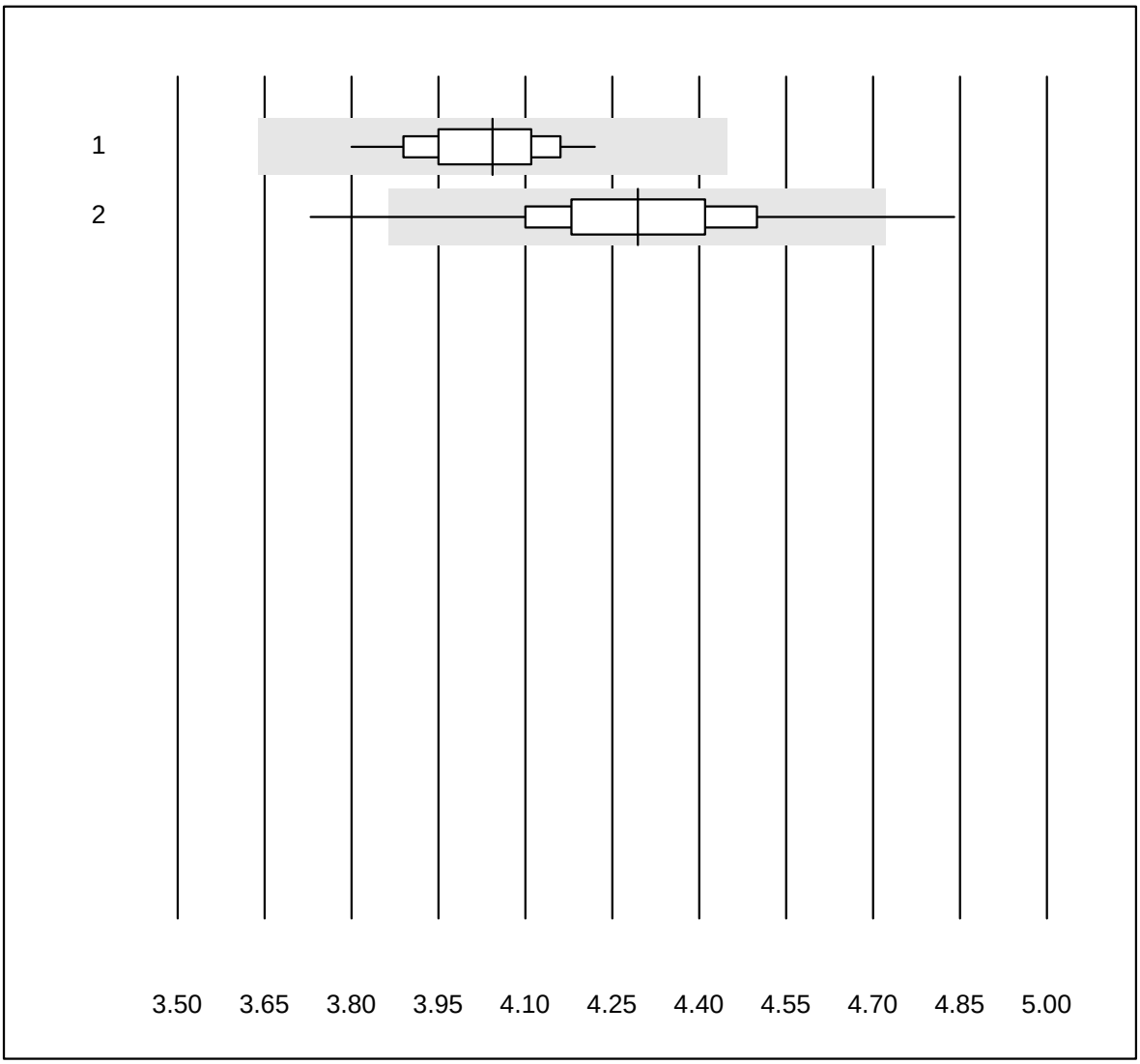
# Calprotectin




QUALAB tolerance : 40 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Bühlmann | 7 | 100.0 | 0.0 | 0.0 | 167 | 9.0 | e |

# Cholesterol total Af/b101

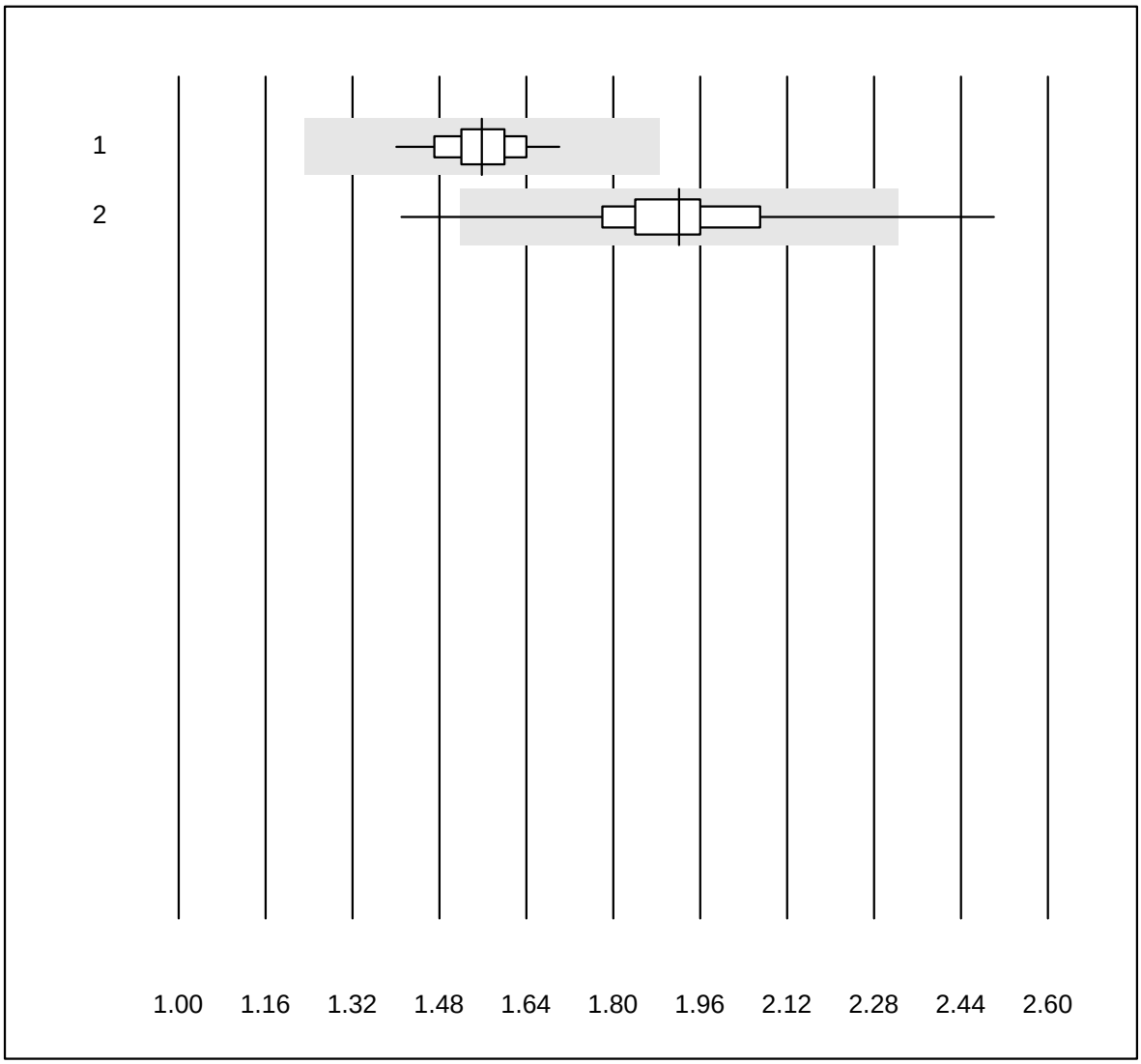



QUALAB tolerance : 10 %

Cholesterol total Af/b101 (mmol/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Cobas b101 | 44 | 100.0 | 0.0 | 0.0 | 4.04 | 2.5 | e |
| 2 | Afinion | 275 | 98.9 | 0.7 | 0.4 | 4.29 | 3.9 | e |

# Cholesterol HDL Af/b101

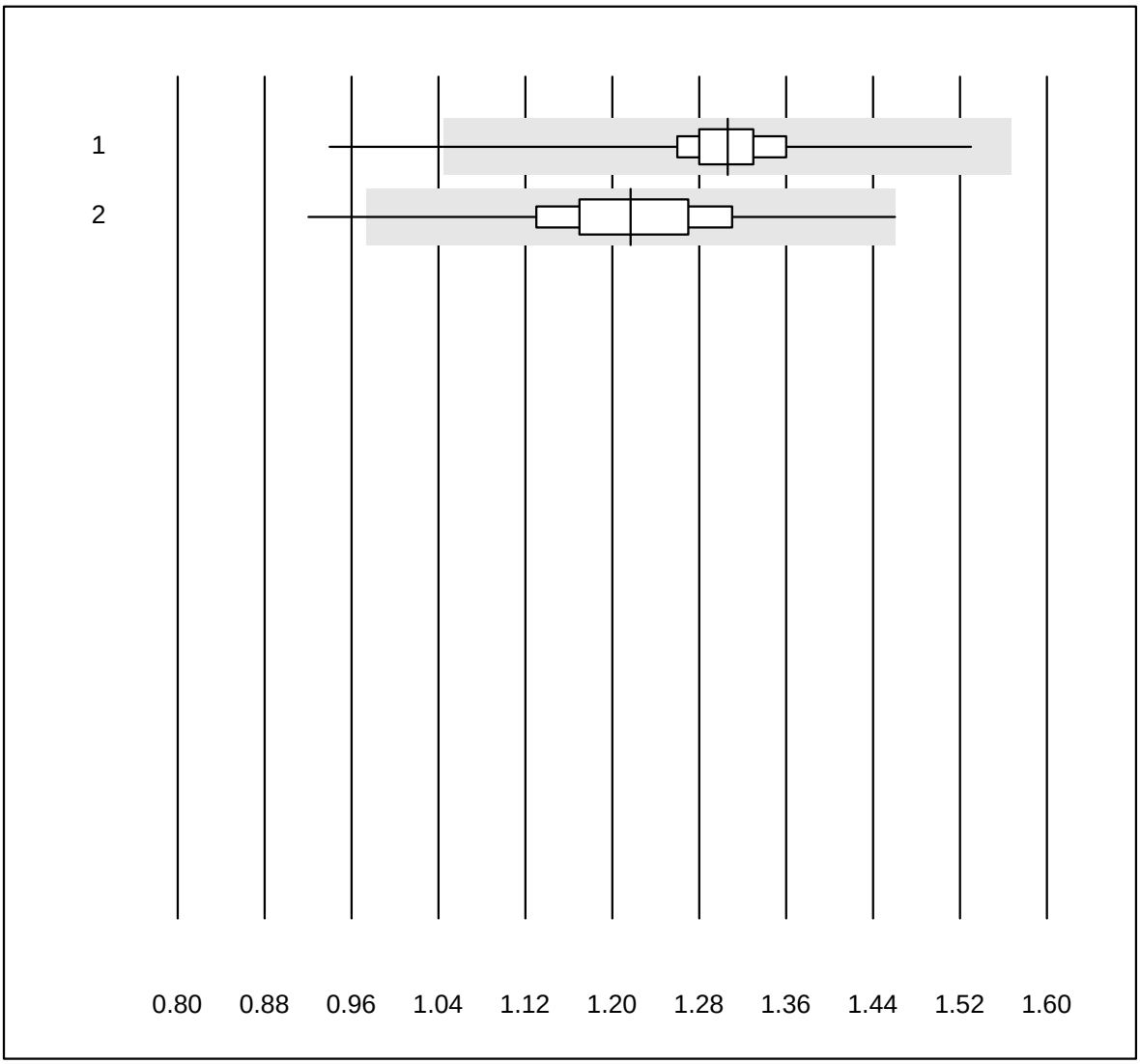



QUALAB tolerance : 21 %

Cholesterol HDL Af/b101 (mmol/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Cobas b101 | 44 | 95.5 | 0.0 | 4.5 | 1.56 | 4.6 | e |
| 2 | Afinion | 263 | 96.9 | 2.3 | 0.8 | 1.92 | 7.1 | e |

# Tryglycerides Af/b101

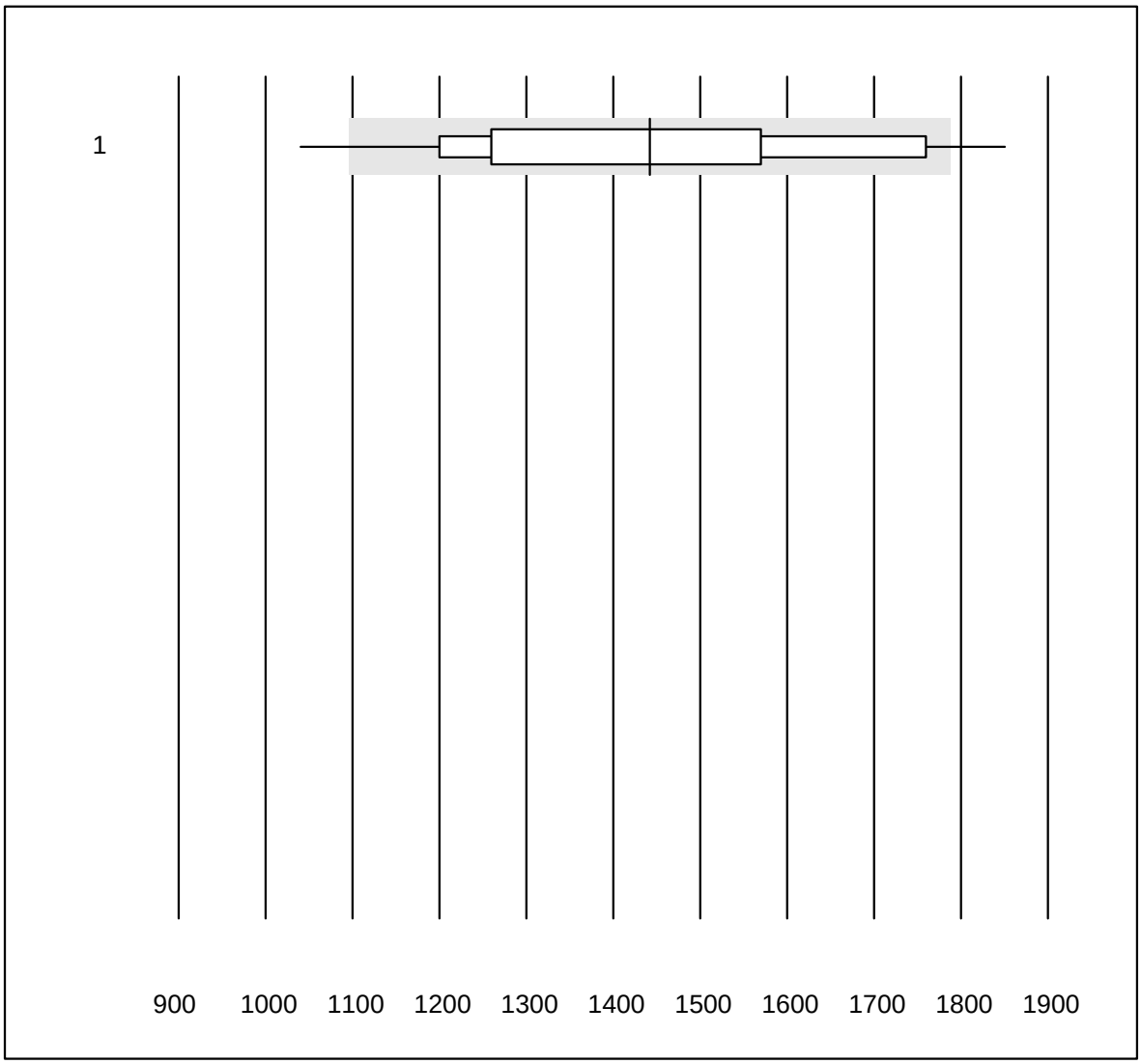



QUALAB tolerance : 20 %

Tryglycerides Af/b101 (mmol/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Cobas b101 | 44 | 84.1 | 2.3 | 13.6 | 1.31 | 6.3 | e |
| 2 | Afinion | 272 | 88.6 | 1.1 | 10.3 | 1.22 | 6.7 | e |

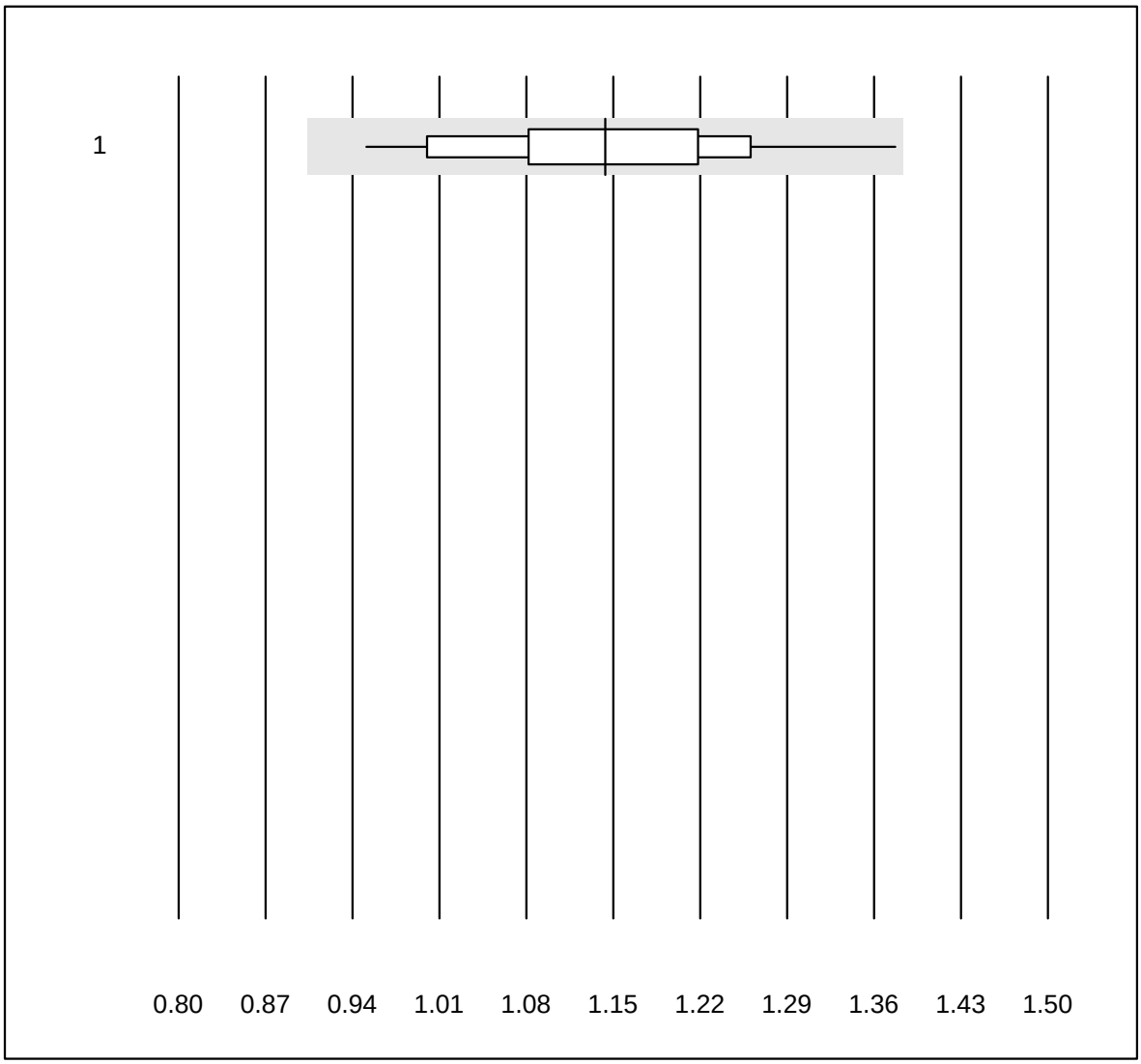
# Troponin I S




QUALAB tolerance : 24 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Samsung LABGEO IB10 | 67 | 88.1 | 10.4 | 1.5 | 1441.89 | 14.9 | e |

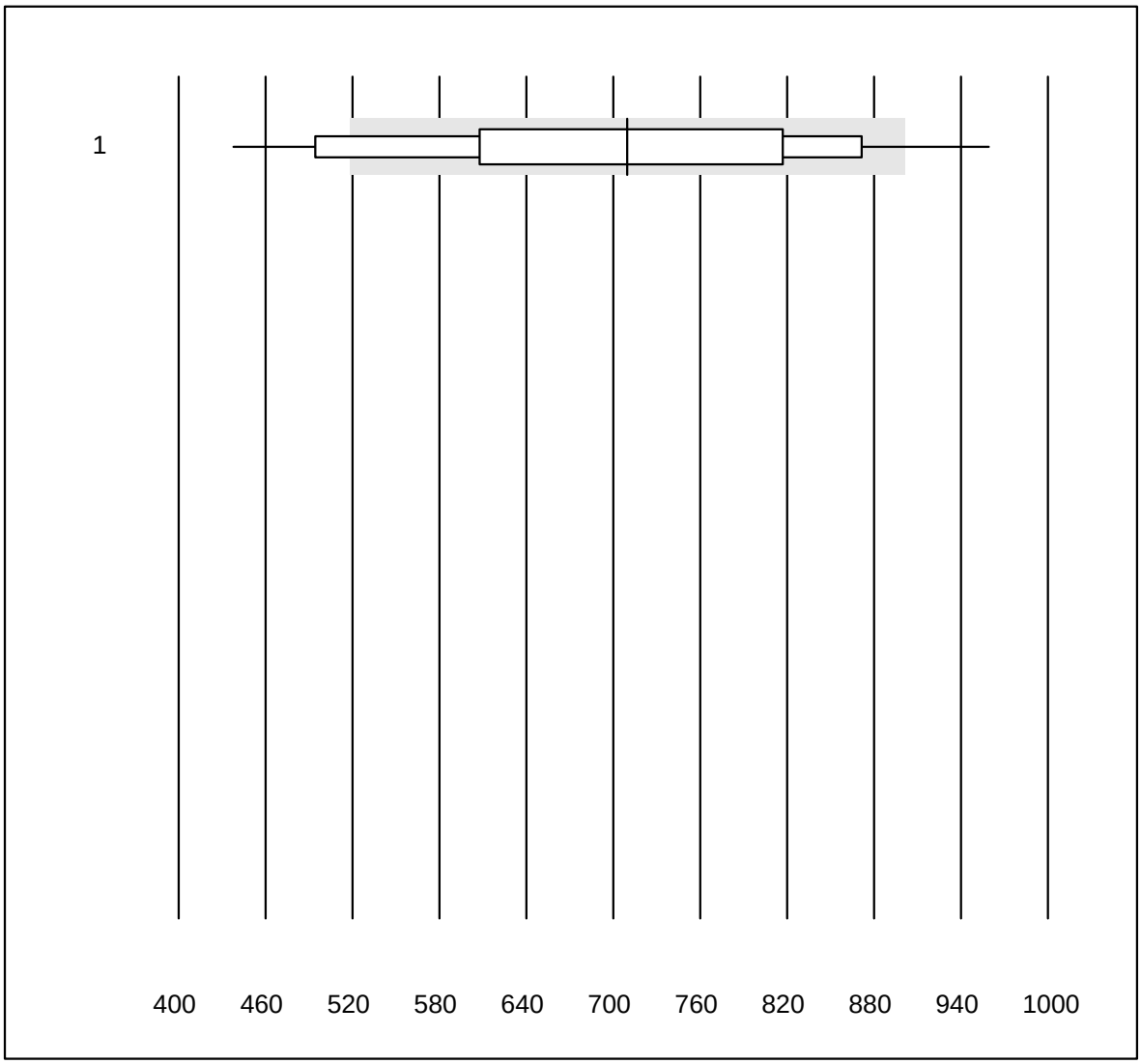
# D-dimer qn S




QUALAB tolerance : 21 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Samsung LABGEO IB10 | 81 | 98.8 | 0.0 | 1.2 | 1.14 | 8.9 | e |

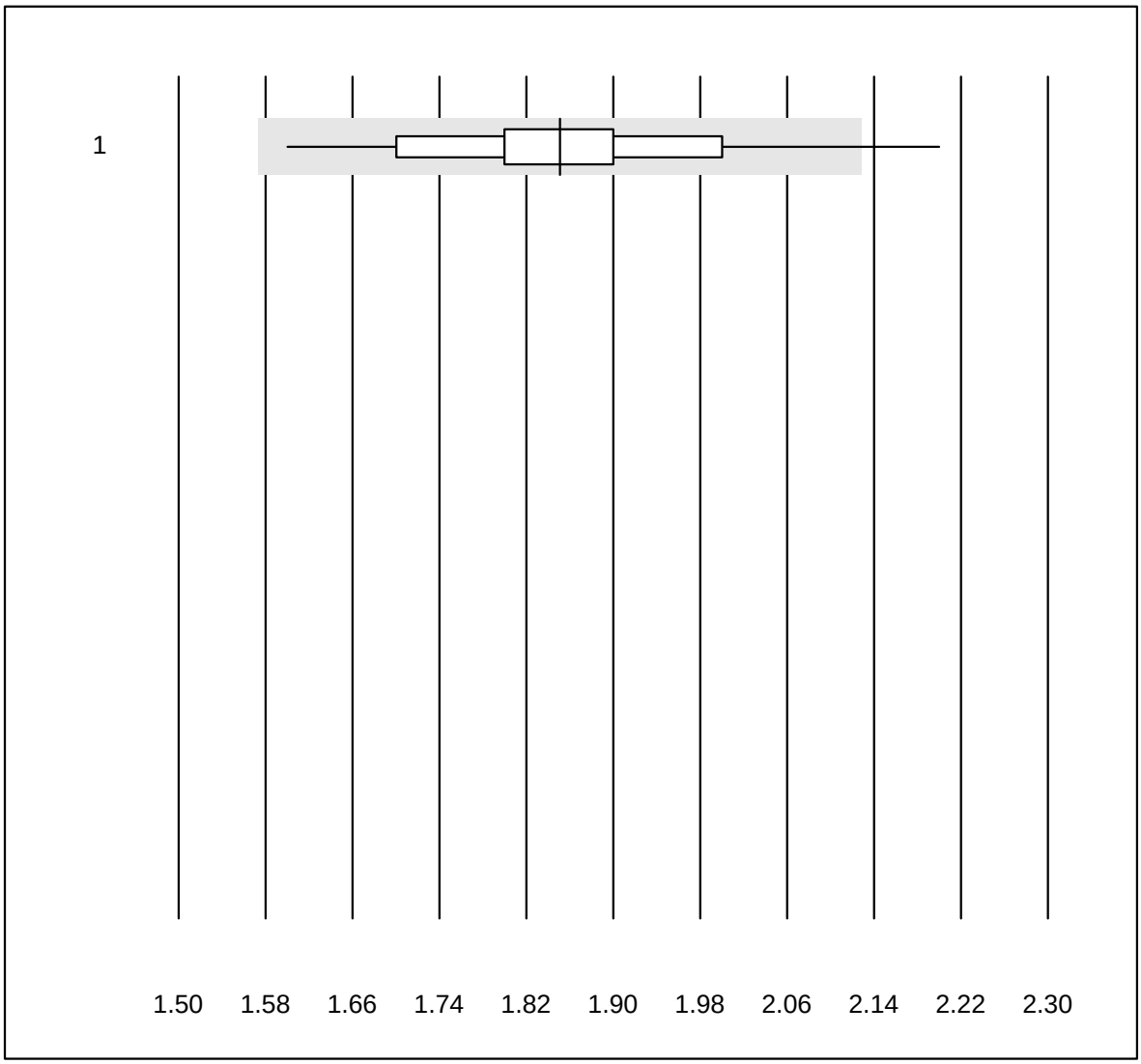
# NT-pro BNP S




QUALAB tolerance : 27 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Samsung LABGEO IB10 | 53 | 71.7 | 20.8 | 7.5 | 709.7 | 19.7 | e |

# INR MI

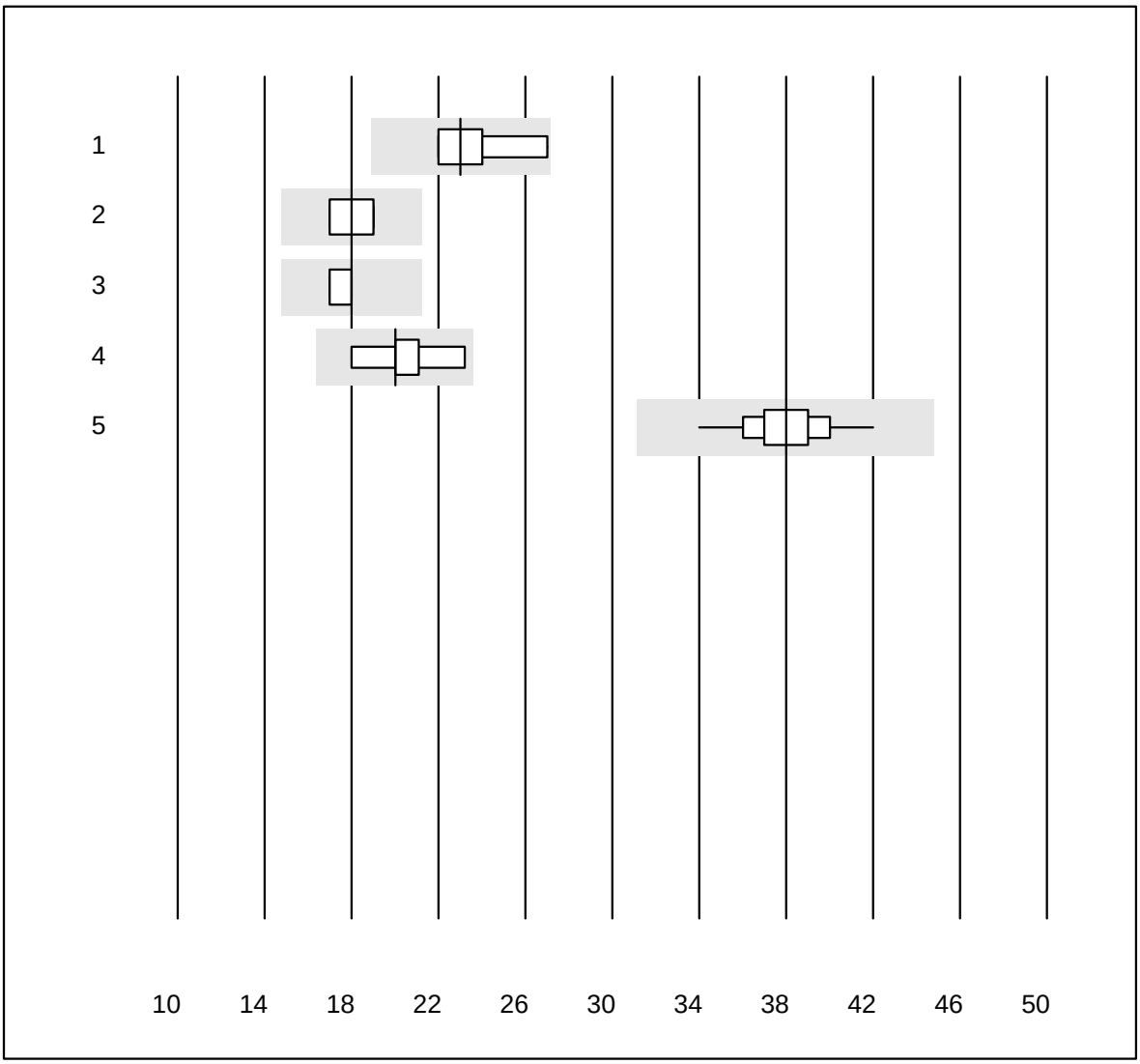



QUALAB tolerance : 15 %

INR MI ()

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | MicroINR | 72 | 88.9 | 1.4 | 9.7 | 1.9 | 7.5 | e |

# Lipase

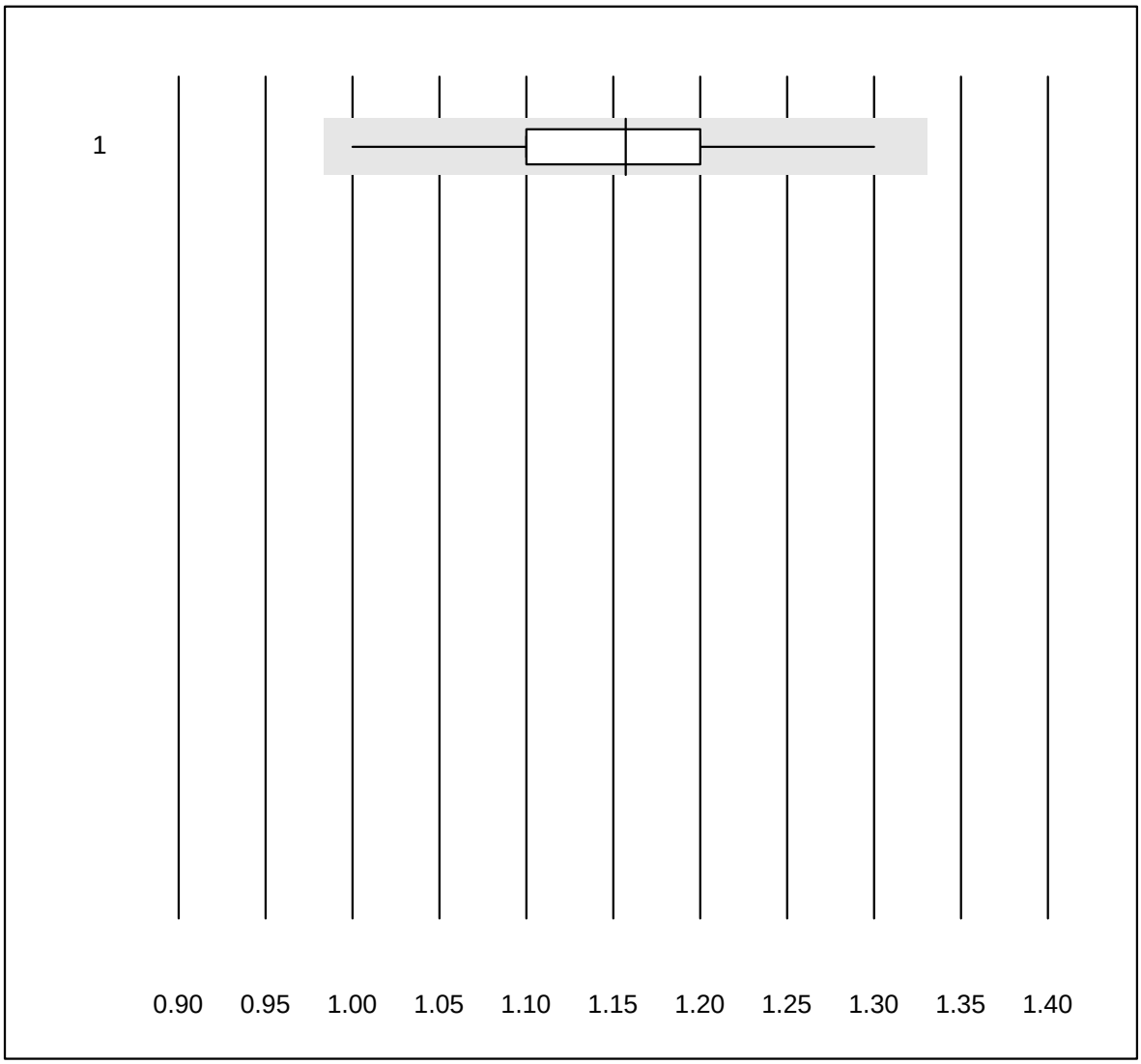



QUALAB tolerance : 18 %

Lipase (U/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Autolyser/DiaSys | 4 | 100.0 | 0.0 | 0.0 | 23.0 | 9.9 | e* |
| 2 | Architect | 4 | 75.0 | 0.0 | 25.0 | 18.0 | 6.5 | e* |
| 3 | Beckman | 5 | 80.0 | 0.0 | 20.0 | 18.0 | 2.8 | e |
| 4 | Cobas | 9 | 100.0 | 0.0 | 0.0 | 20.0 | 6.9 | e* |
| 5 | Fuji Dri-Chem | 88 | 98.9 | 0.0 | 1.1 | 38.0 | 4.4 | e |

# INR Xprecia

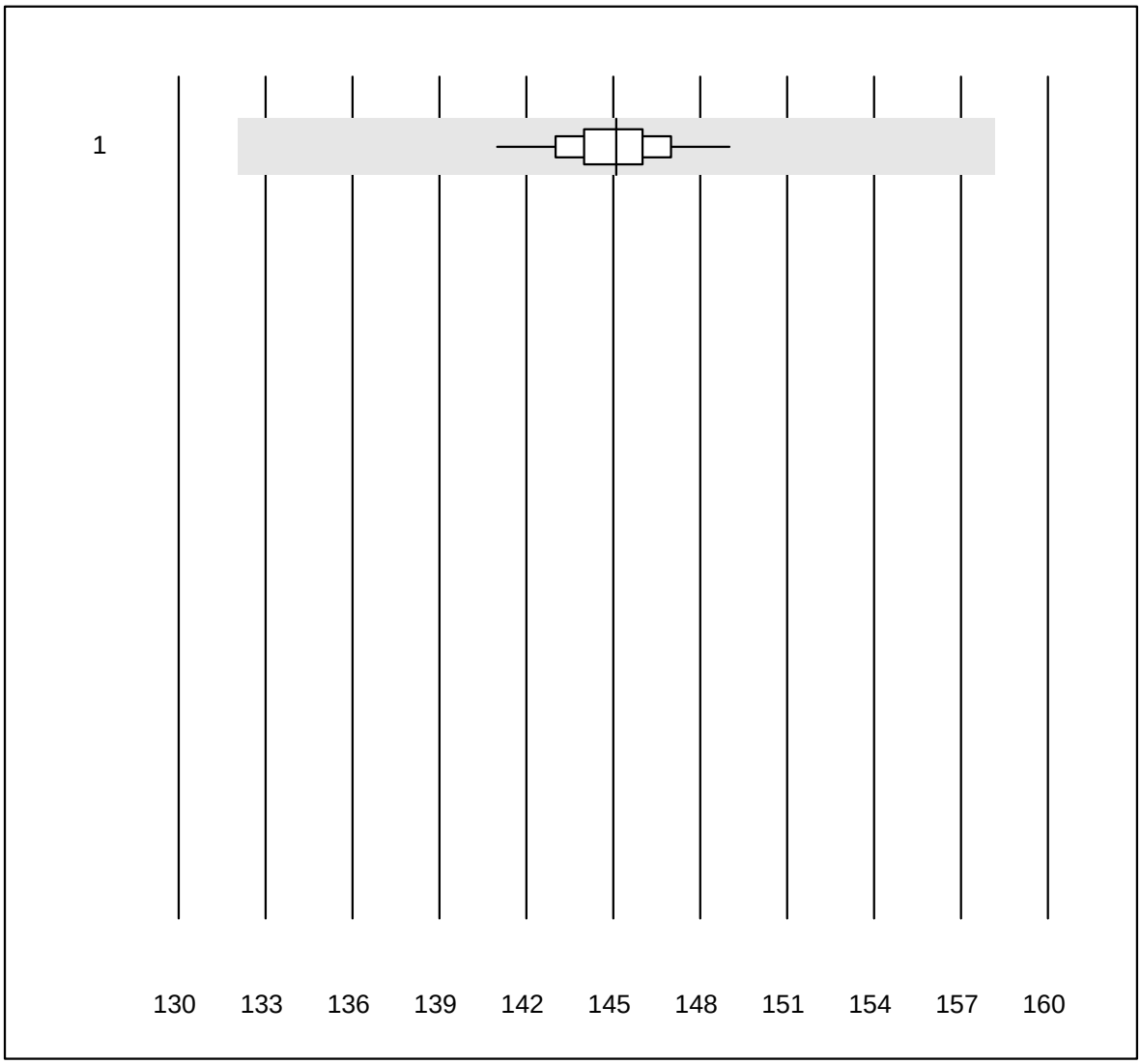



QUALAB tolerance : 15 %

INR Xprecia ()

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Xprecia | 21 | 100.0 | 0.0 | 0.0 | 1.2 | 5.8 | e |

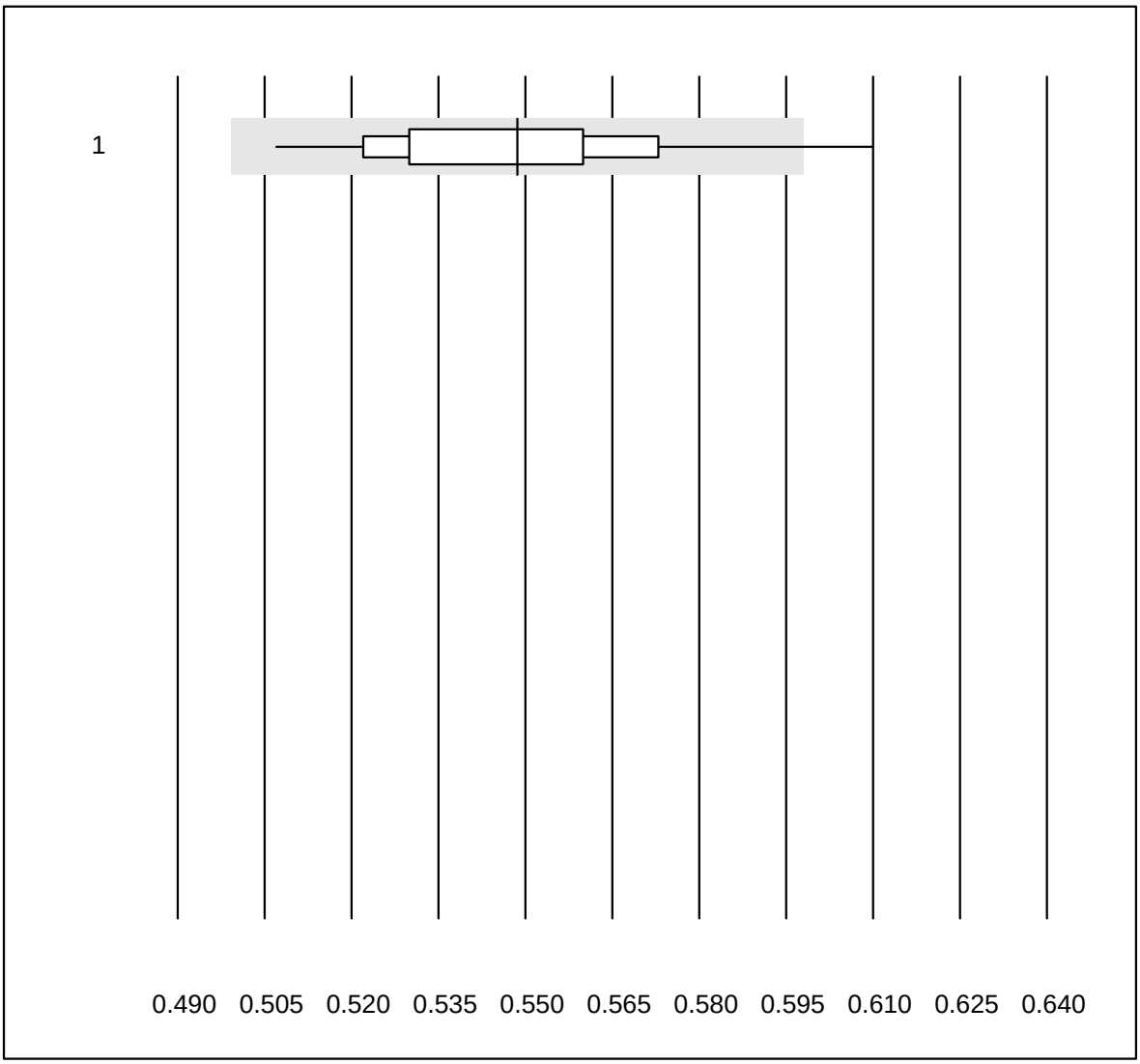
# Hemoglobin




QUALAB tolerance : 9 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Sysmex | 32 | 100.0 | 0.0 | 0.0 | 145.1 | 1.1 | e |

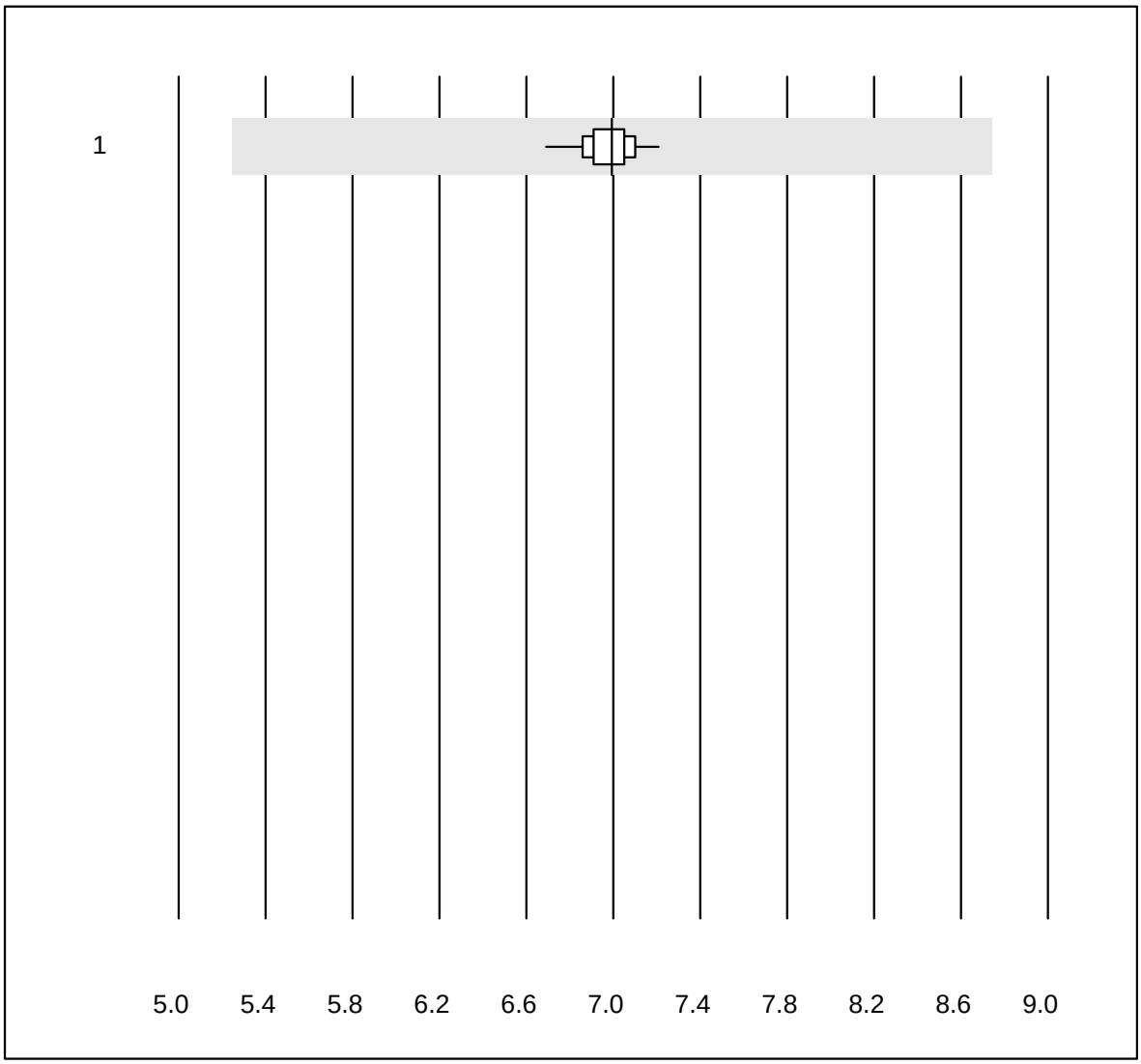
# Hematocrit




QUALAB tolerance : 9 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Sysmex | 32 | 96.9 | 3.1 | 0.0 | 0.55 | 4.1 | e |

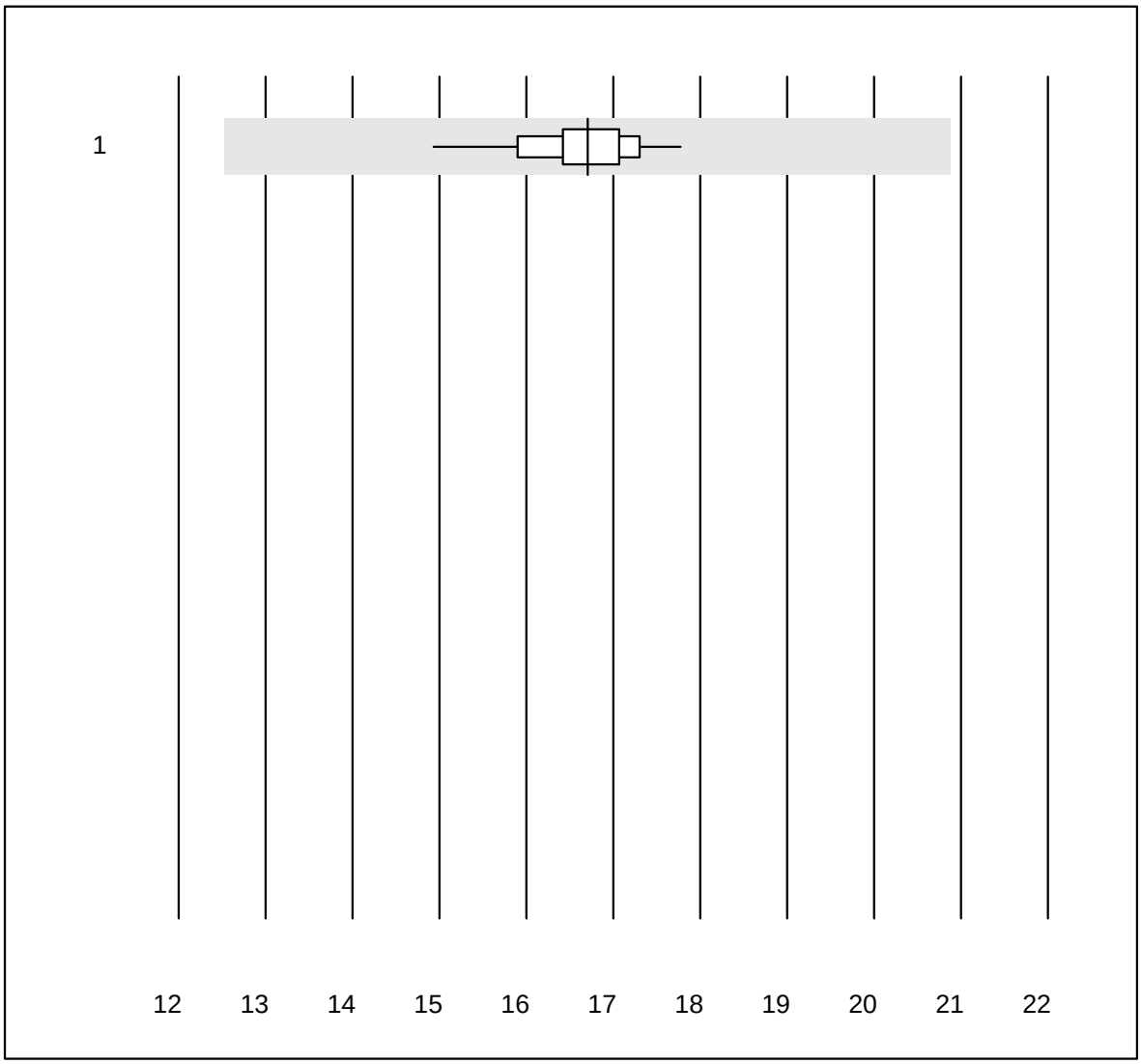
# Erythrocytes




QUALAB tolerance : 25 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Sysmex | 32 | 100.0 | 0.0 | 0.0 | 6.99 | 1.5 | e |

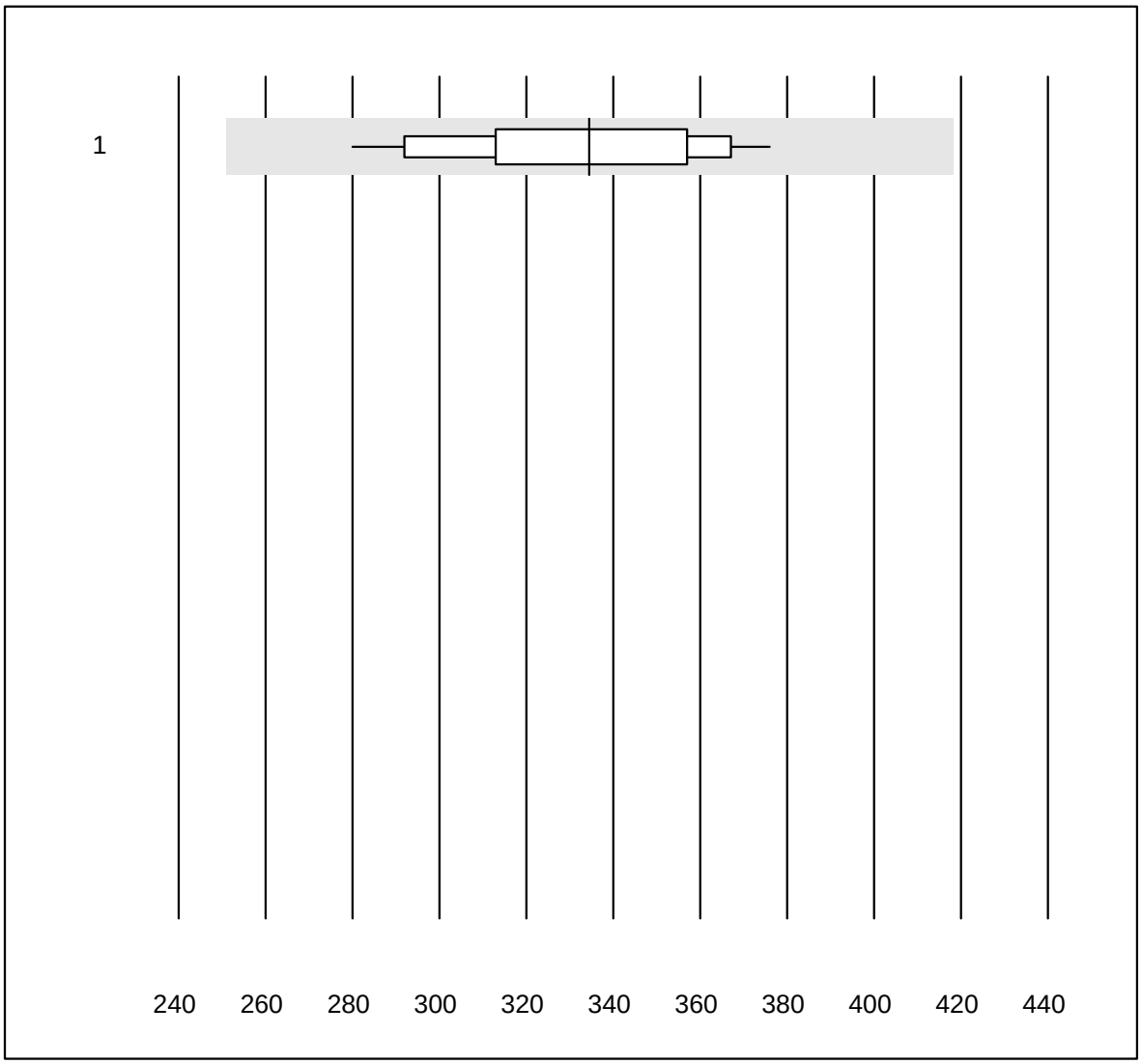
# Leucocytes




QUALAB tolerance : 25 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Sysmex | 32 | 100.0 | 0.0 | 0.0 | 16.71 | 3.5 | e |

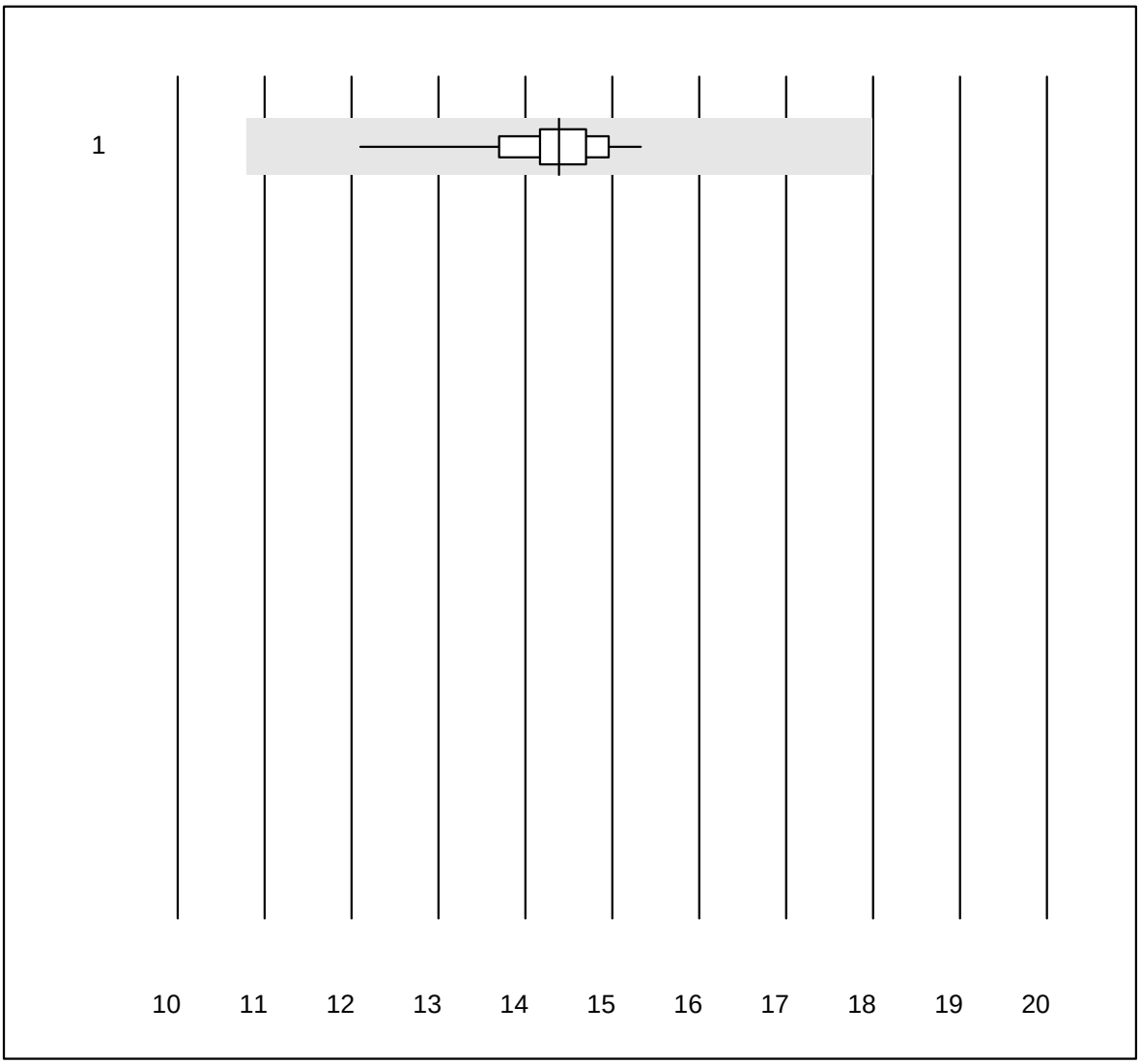
# Thrombocytes




QUALAB tolerance : 25 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Sysmex | 32 | 100.0 | 0.0 | 0.0 | 334.5 | 8.1 | e |

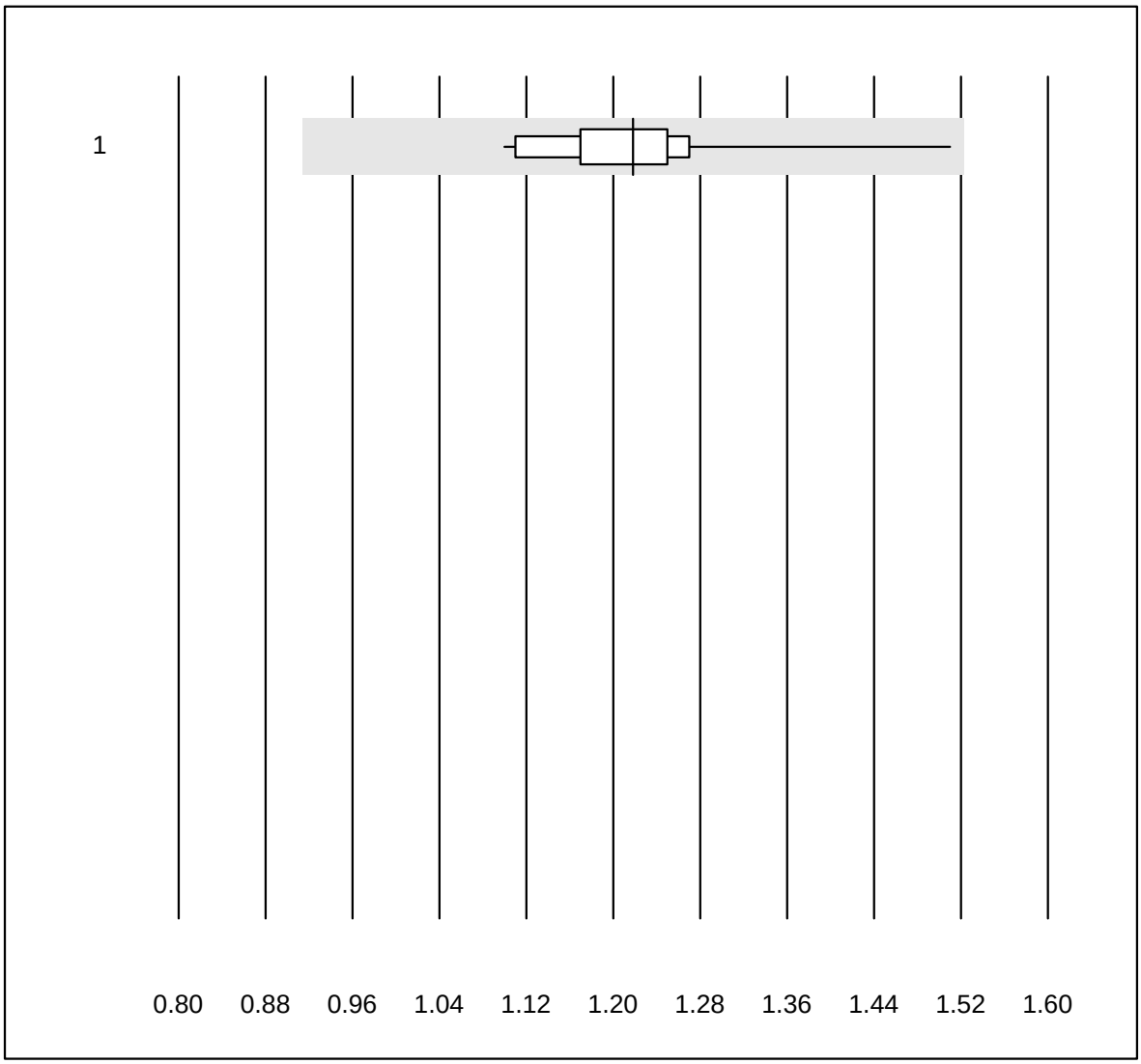
# Neutrophils




QUALAB tolerance : 25 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Sysmex | 32 | 100.0 | 0.0 | 0.0 | 14.38 | 4.2 | e |

# Lymphocytes

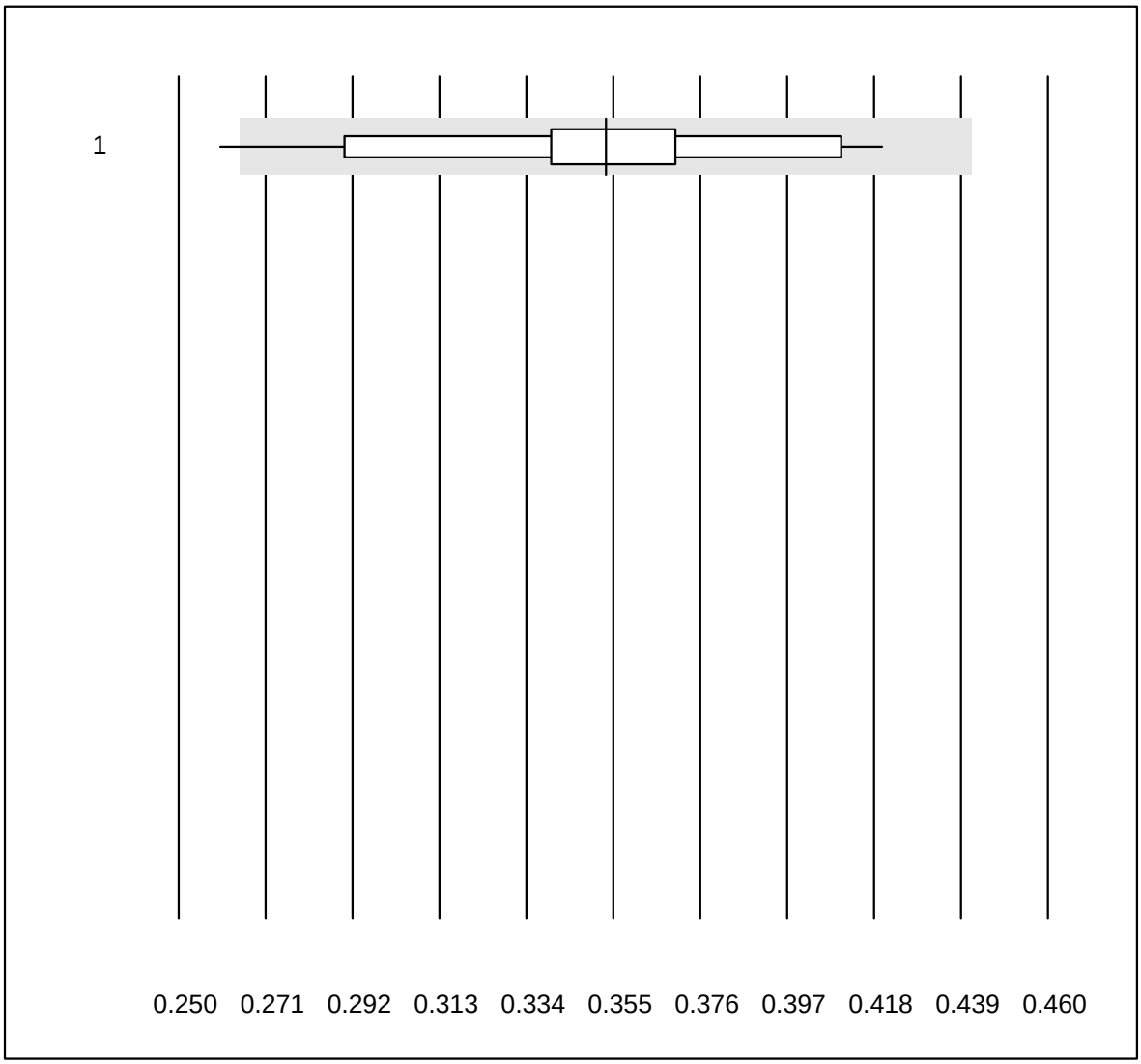



QUALAB tolerance : 25 %

Lymphocytes (G/l)

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Sysmex | 32 | 100.0 | 0.0 | 0.0 | 1.22 | 6.5 | e |

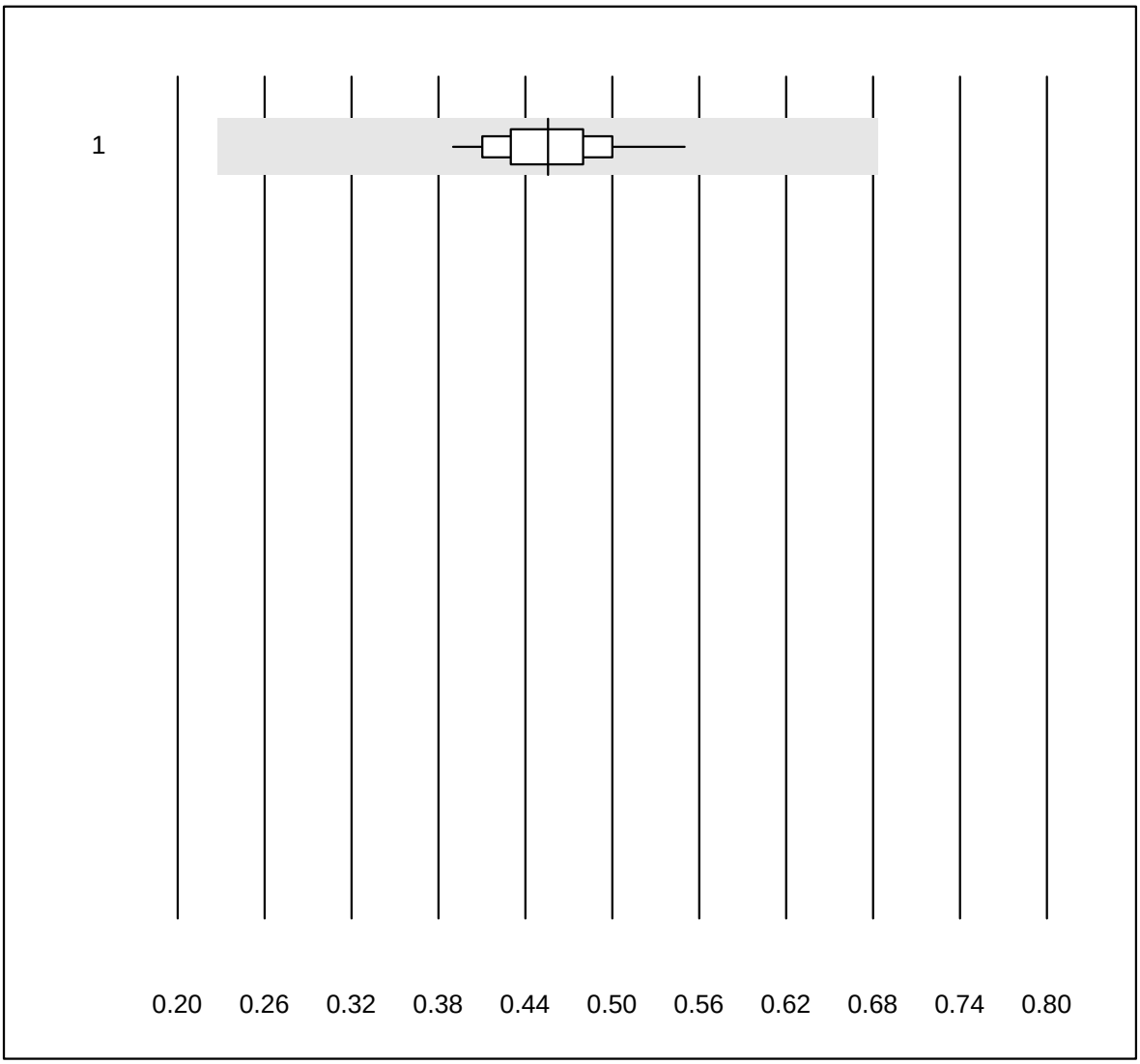
# Monocytes




QUALAB tolerance : 25 %

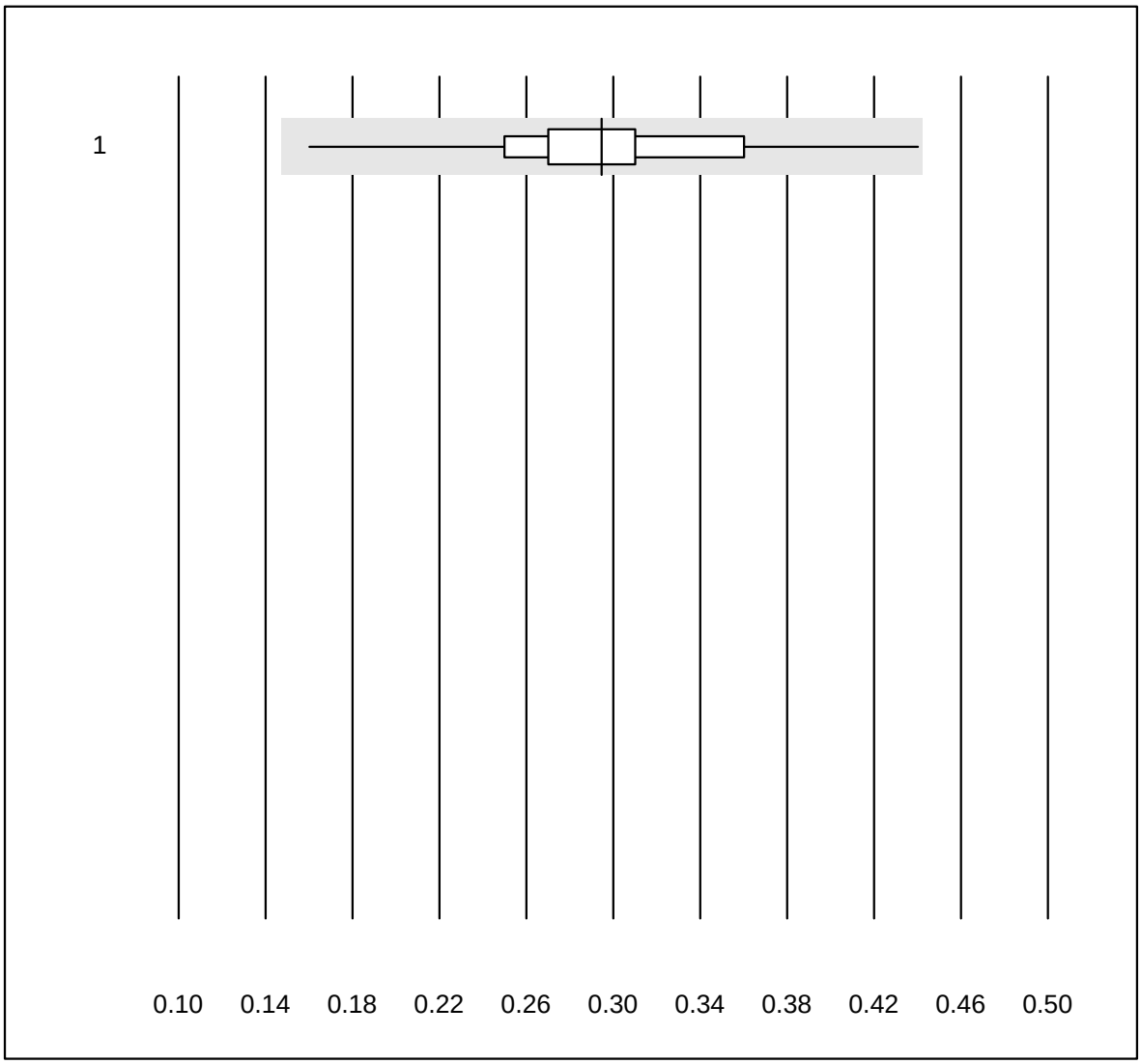
| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Sysmex | 32 | 81.3 | 3.1 | 15.6 | 0.35 | 11.6 | e |

# Eosinophils




| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Sysmex | 32 | 100.0 | 0.0 | 0.0 | 0.46 | 8.0 | e |

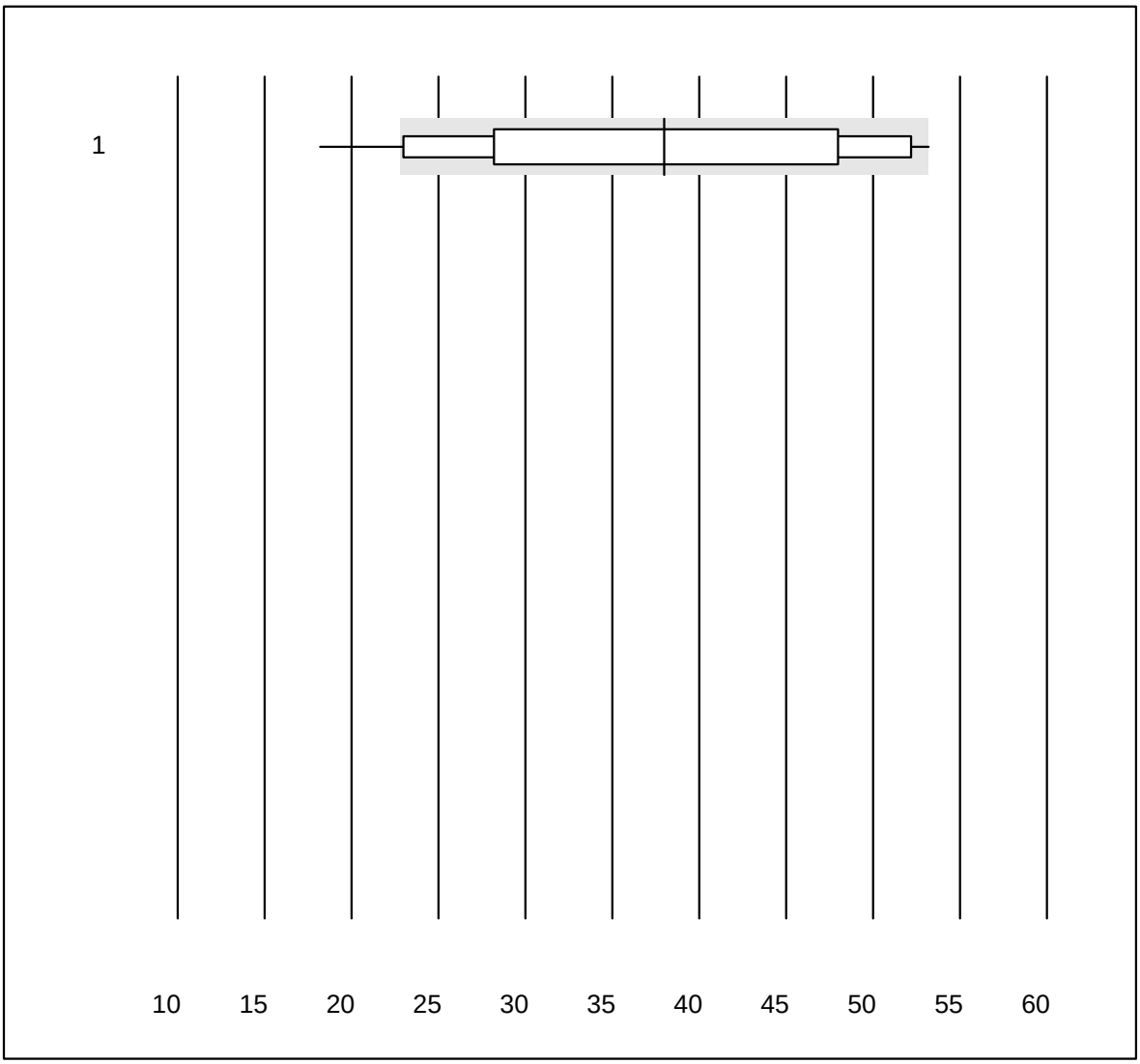
# Basophiles




QUALAB tolerance : 80 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Sysmex | 32 | 100.0 | 0.0 | 0.0 | 0.29 | 18.6 | a |

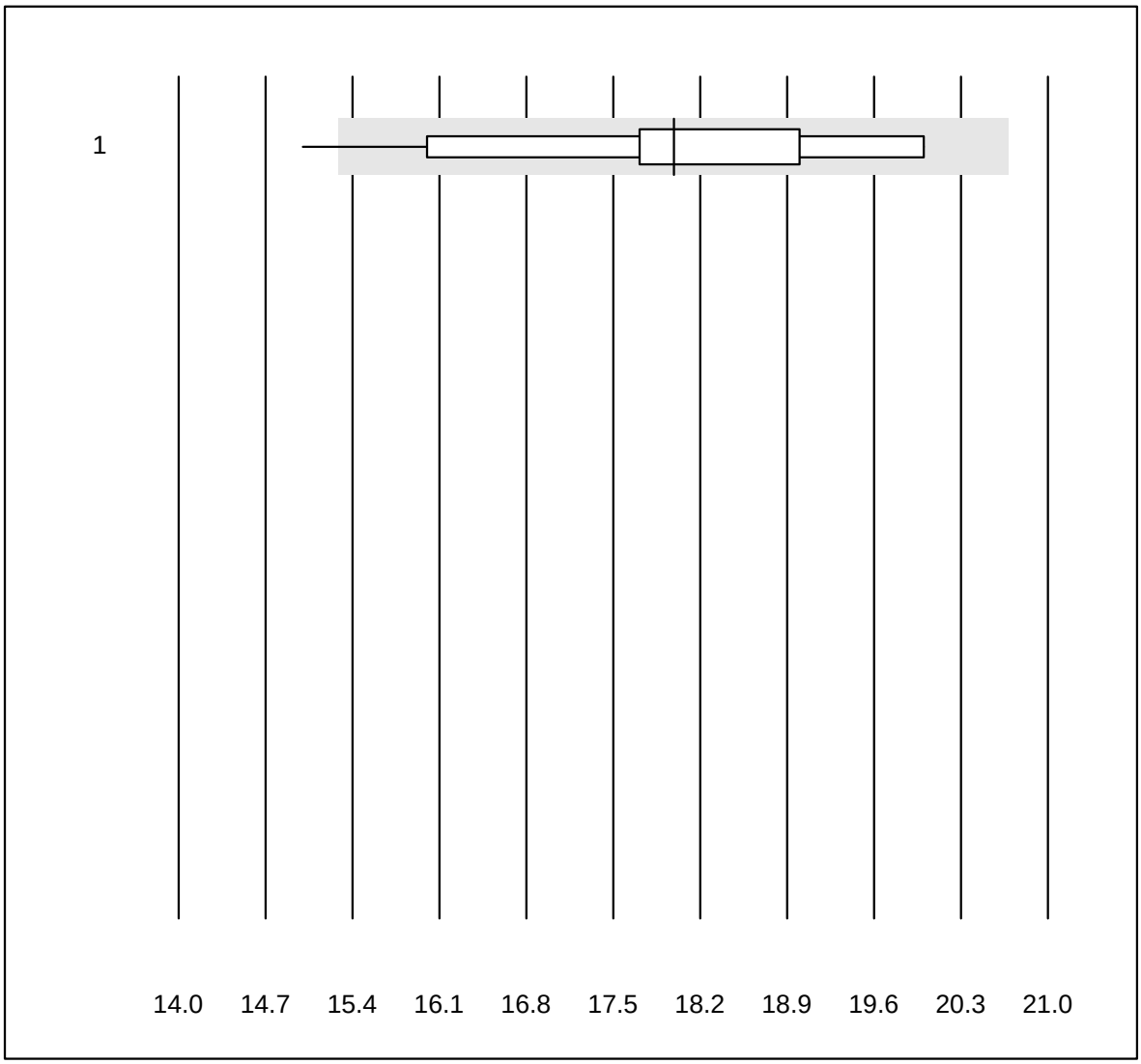
# Reticulocytes




QUALAB tolerance : 25 %

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Sysmex | 16 | 81.2 | 12.5 | 6.3 | 38.0 | 29.8 | a |

# Hämolyseindex Probe A

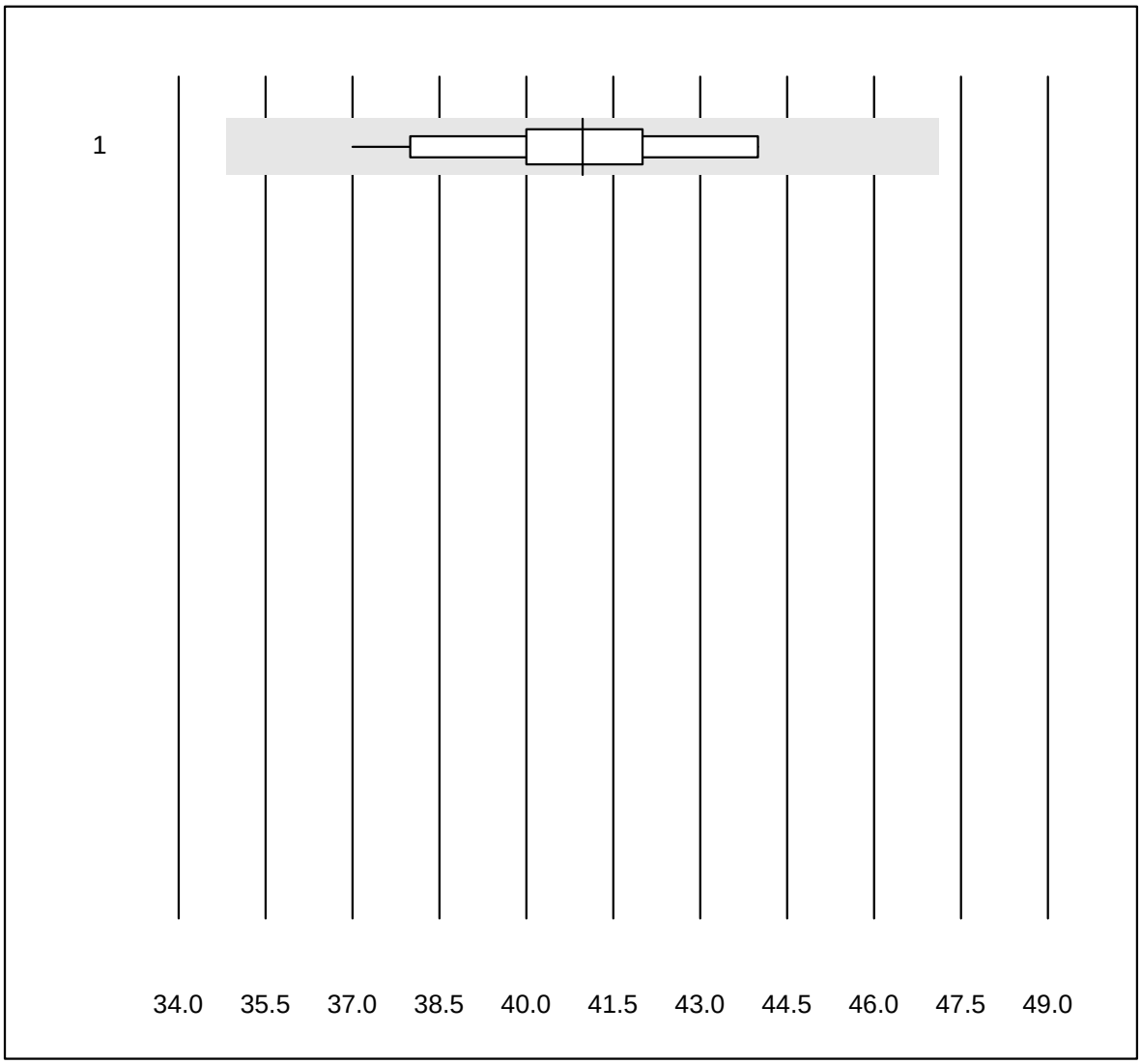



QUALAB tolerance : 15 %

Hämolyseindex Probe A ()

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Cobas | 14 | 92.9 | 7.1 | 0.0 | 18.0 | 8.1 | e* |

# Hämolyseindex Probe B




QUALAB tolerance : 15 %

Hämolyseindex Probe B ()

| No. | Methode | Total | % good | % insuff. | % outlier | Target value | CV% | Typ |
|---|---|---|---|---|---|---|---|---|
| 1 | Cobas | 14 | 100.0 | 0.0 | 0.0 | 41.0 | 5.3 | e |