

Verein für  
Association pour le  
Associazione per il



medizinische Qualitätskontrolle  
contrôle de qualité médical  
controllo di qualità medico

# Survey Report

## 2024 - 1

### Survey Specimens

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

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

### Determination of target values

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

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

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

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

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

### Uncertainty of the determined target values

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

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

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

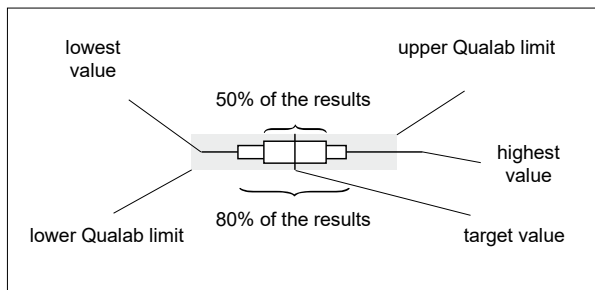
### QUALAB and MQ tolerances

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

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

### Graphics

The results are shown graphically as follows:



### Comparison of Devices

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

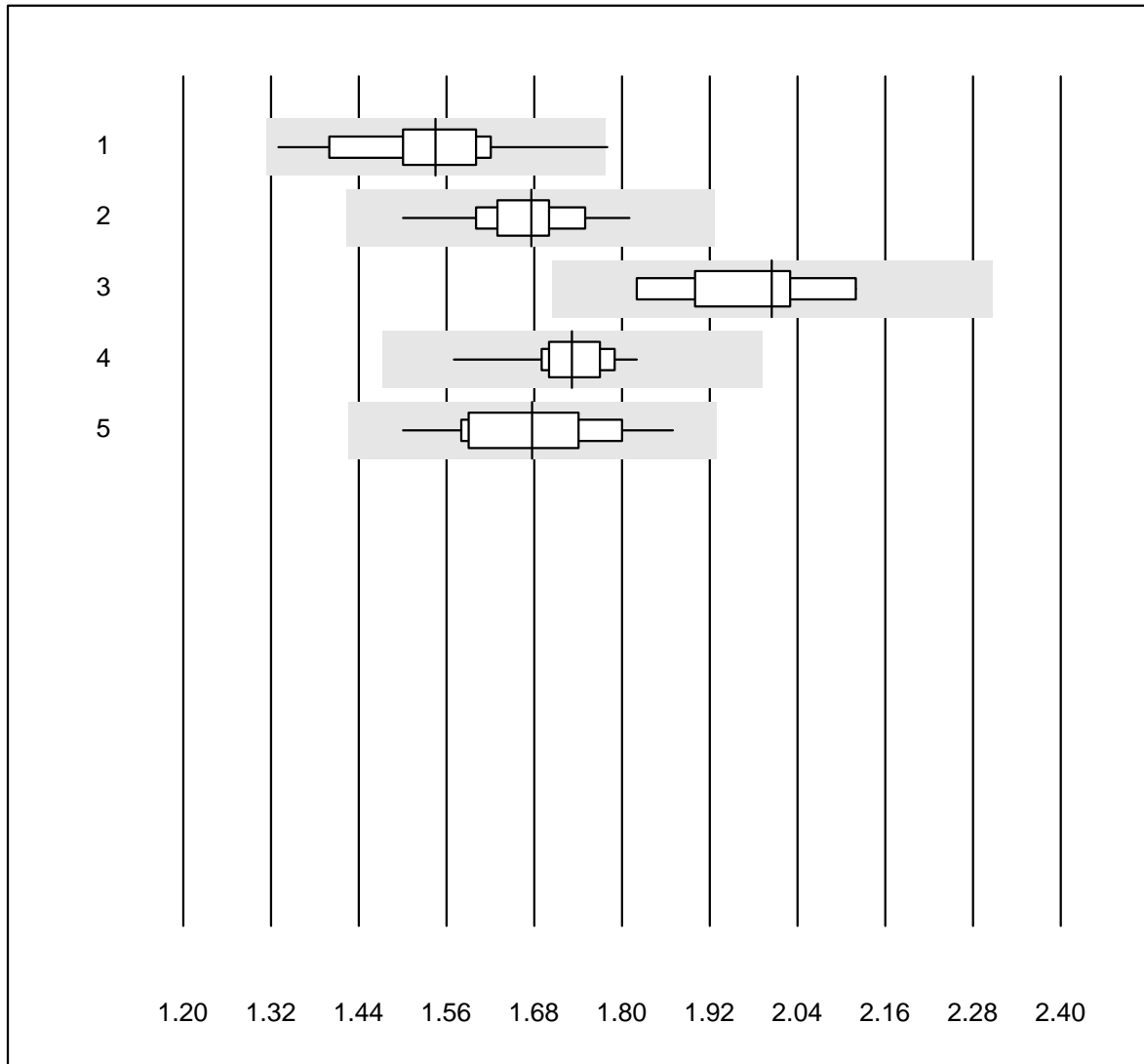
- The chemical control K1 is a ready-to-use commercial control serum. Even if the specimen is of human origin, it is possible that matrix effects occur. These are device-specific and result in different target values.
- Only one specimen was measured. Since the scatter of the results is dependent on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

Zürich, 3.4.2024

Dr. R. Fried  
Survey Director

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

# INR



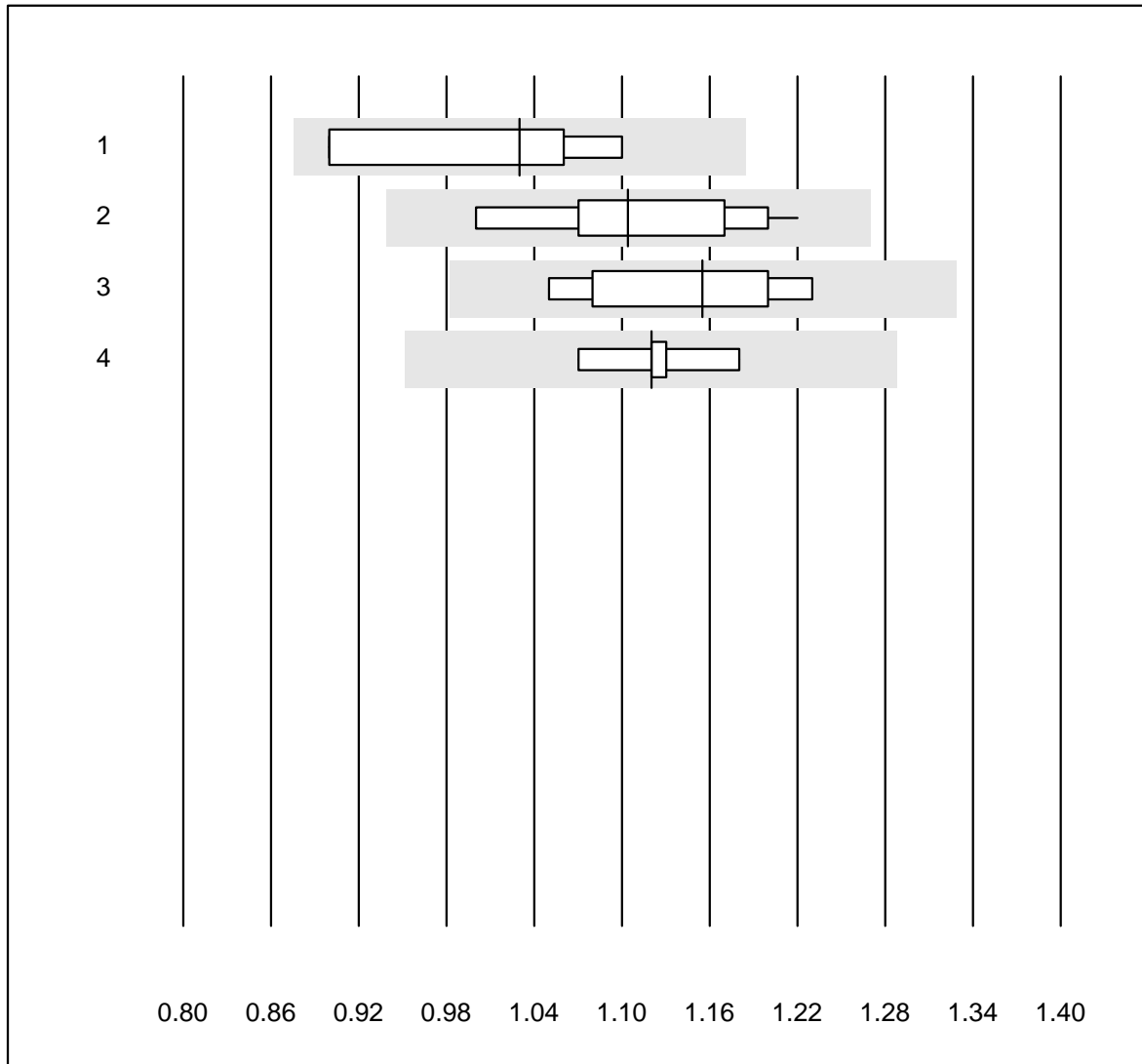
QUALAB tolerance : 15 %

INR ( )

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Innovin	16	93.7	6.3	0.0	1.55	6.5	e
2	Neoplastin R	16	100.0	0.0	0.0	1.68	4.3	e
3	Neoplastin Plus	8	100.0	0.0	0.0	2.01	5.1	e
4	Recombiplastin 2G	11	100.0	0.0	0.0	1.73	3.9	e
5	Other methods	14	100.0	0.0	0.0	1.68	6.0	e

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

## Fibrinogen OA



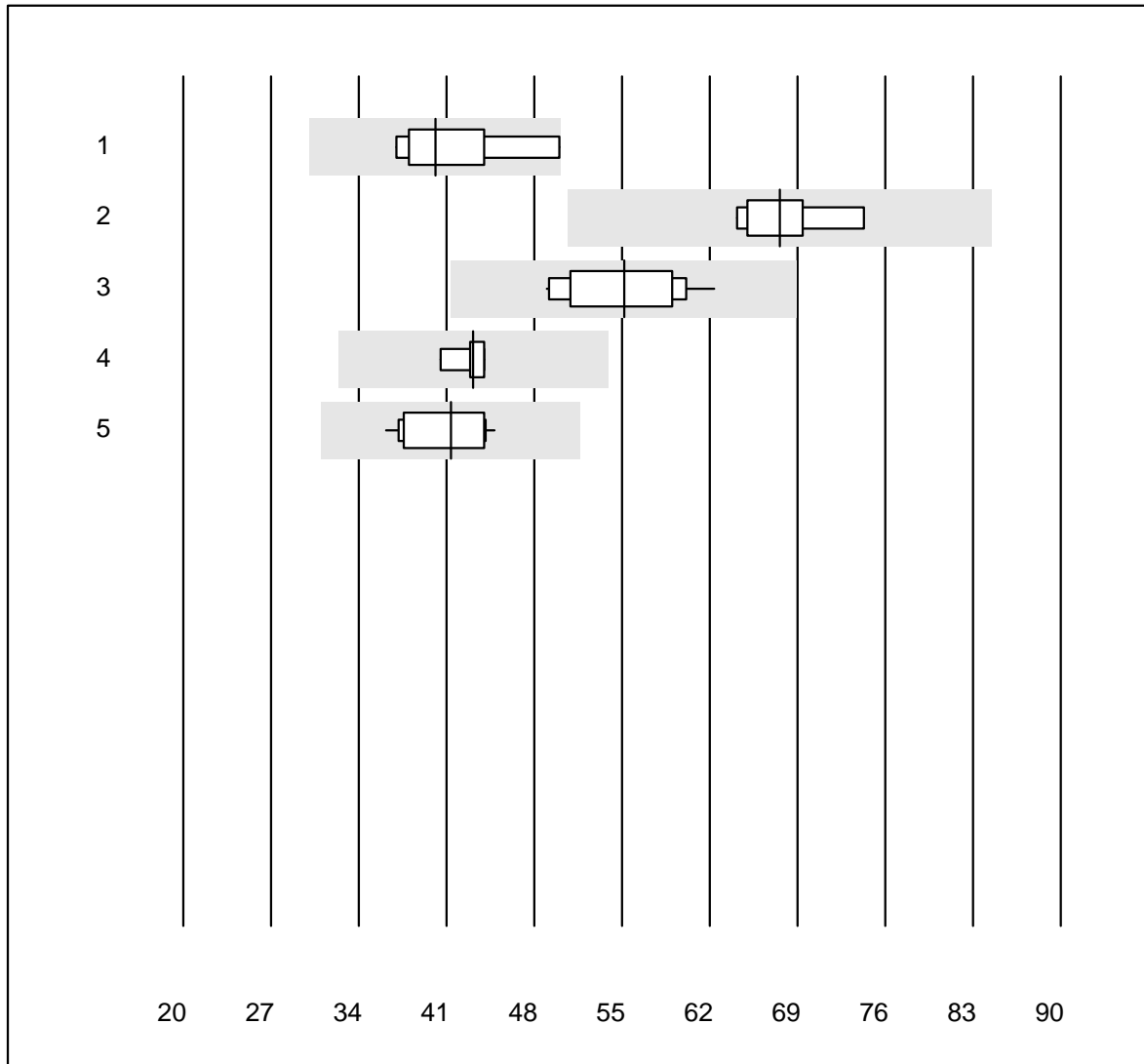
QUALAB tolerance : 15 %

Fibrinogen OA (g/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Siemens Thrombin	8	100.0	0.0	0.0	1.03	8.7	e*
2	Stago/STA	19	100.0	0.0	0.0	1.10	6.1	e
3	Fibrinogen Q.F.A.	8	100.0	0.0	0.0	1.16	6.1	e*
4	Other methods	6	100.0	0.0	0.0	1.12	3.1	e

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

## Activated Prothrombin Time

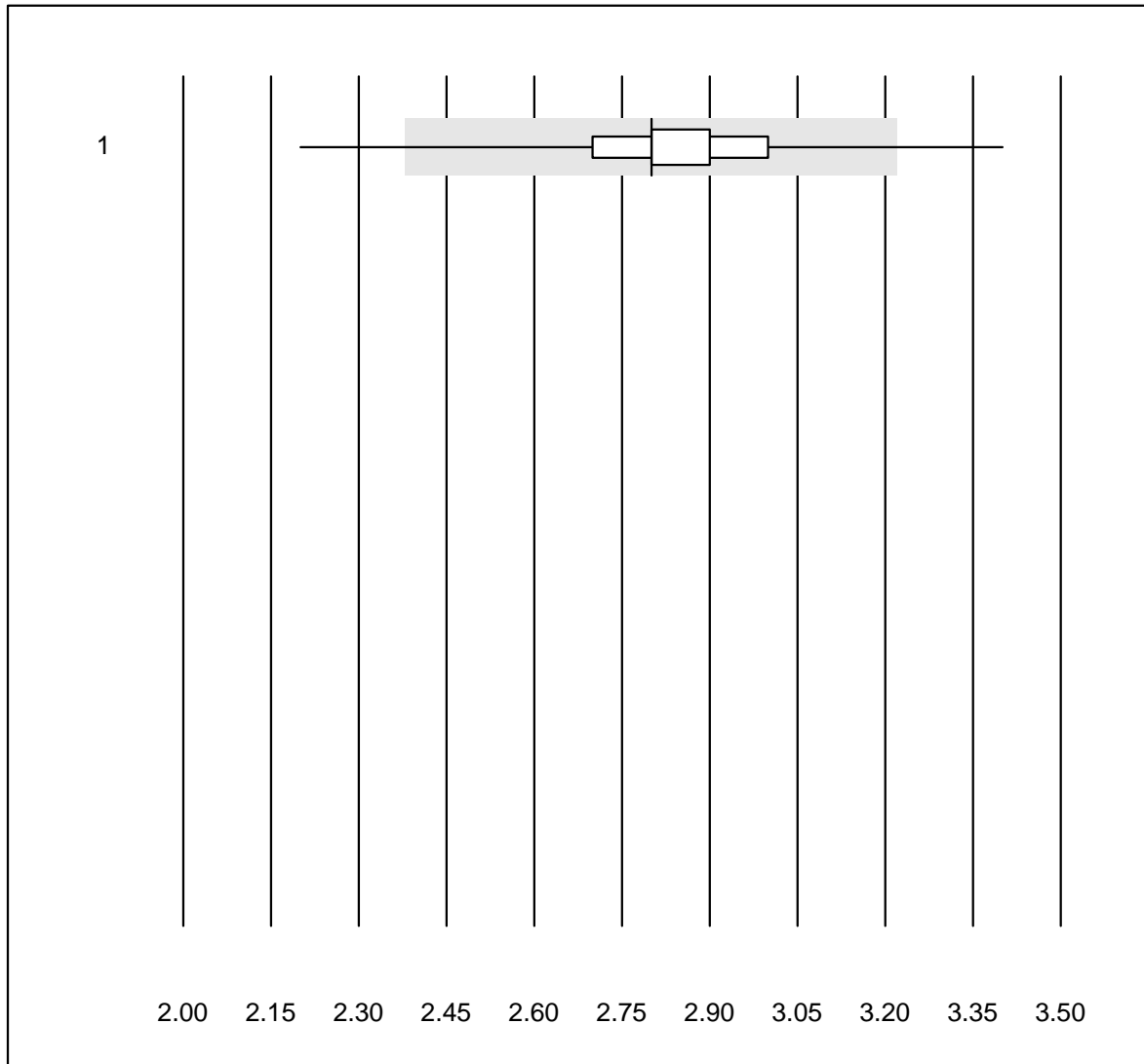


QUALAB tolerance : 25 %

Activated Prothrombin Time (Sek)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Actin FS	7	100.0	0.0	0.0	40.1	10.8	e*
2	Pathromtin SL	7	100.0	0.0	0.0	67.6	5.0	e
3	Stago/STA	22	100.0	0.0	0.0	55.2	7.8	e
4	aPTT-SP	7	100.0	0.0	0.0	43.1	2.8	e
5	Other methods	11	100.0	0.0	0.0	41.3	8.0	e

# INR CoaguChek

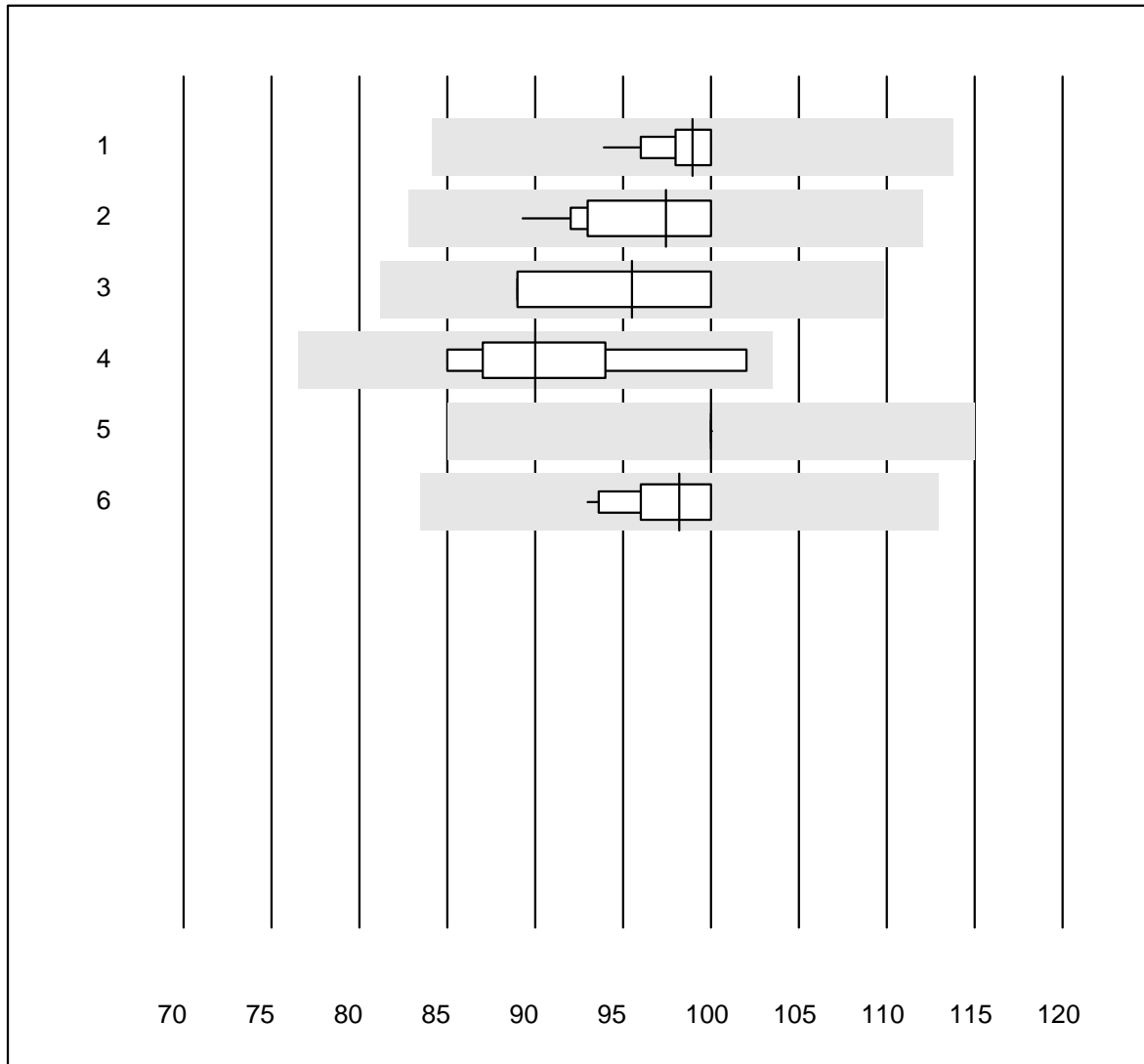


QUALAB tolerance : 15 %

INR CoaguChek ()

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	CoaguChek Pro II	844	98.9	0.6	0.5	2.8	4.3	e

## Prothrombin time NT

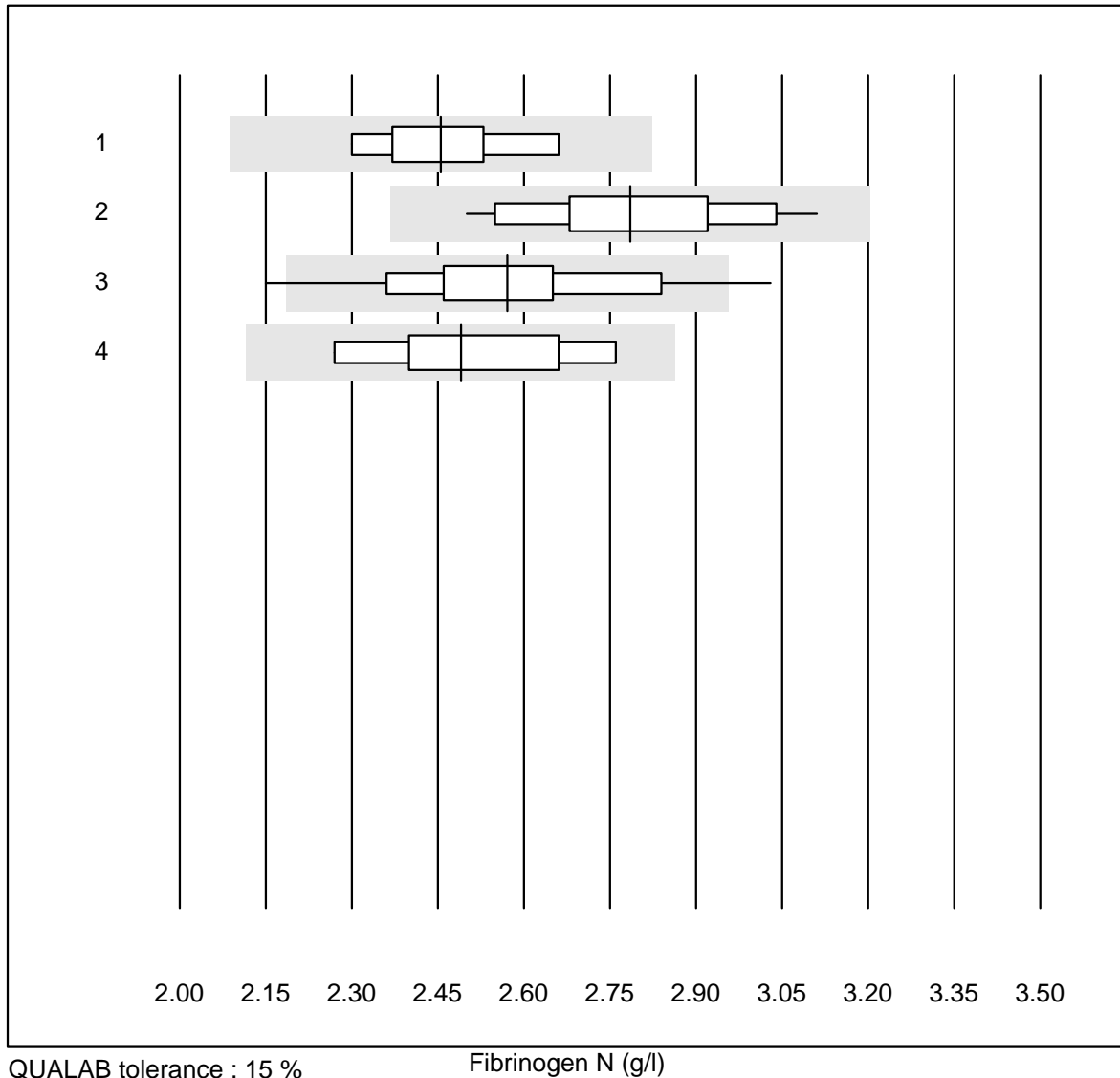


QUALAB tolerance : 15 %

Prothrombin time NT (%)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 Innovin	12	100.0	0.0	0.0	99	2.0	e
2 Neoplastin R	12	100.0	0.0	0.0	97	3.9	e
3 Neoplastin Plus	4	100.0	0.0	0.0	96	6.1	e*
4 STA-NeoPTimal	7	100.0	0.0	0.0	90	6.1	e*
5 Recombiplastin 2G	11	100.0	0.0	0.0	100	0.0	e
6 Other methods	15	100.0	0.0	0.0	98	2.6	e

## Fibrinogen N



QUALAB tolerance : 15 %

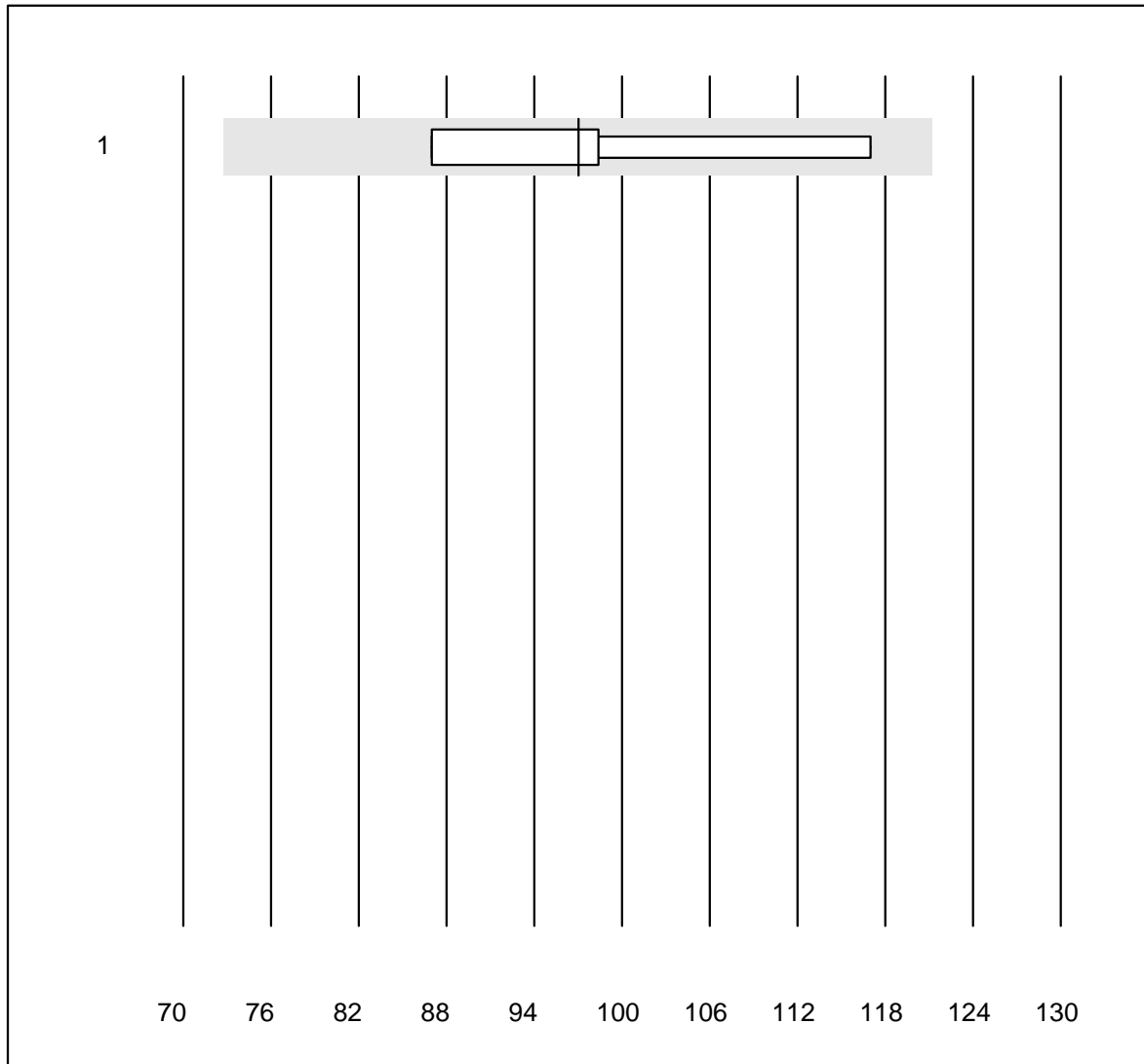
Fibrinogen N (g/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Siemens Thrombin	8	100.0	0.0	0.0	2.46	5.1	e*
2	Stago/STA	18	100.0	0.0	0.0	2.79	6.3	e
3	Fibrinogen Q.F.A.	15	80.0	13.3	6.7	2.57	8.2	e*
4	Fib Clauss (IL)	5	100.0	0.0	0.0	2.49	7.8	e*

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



## Faktor V

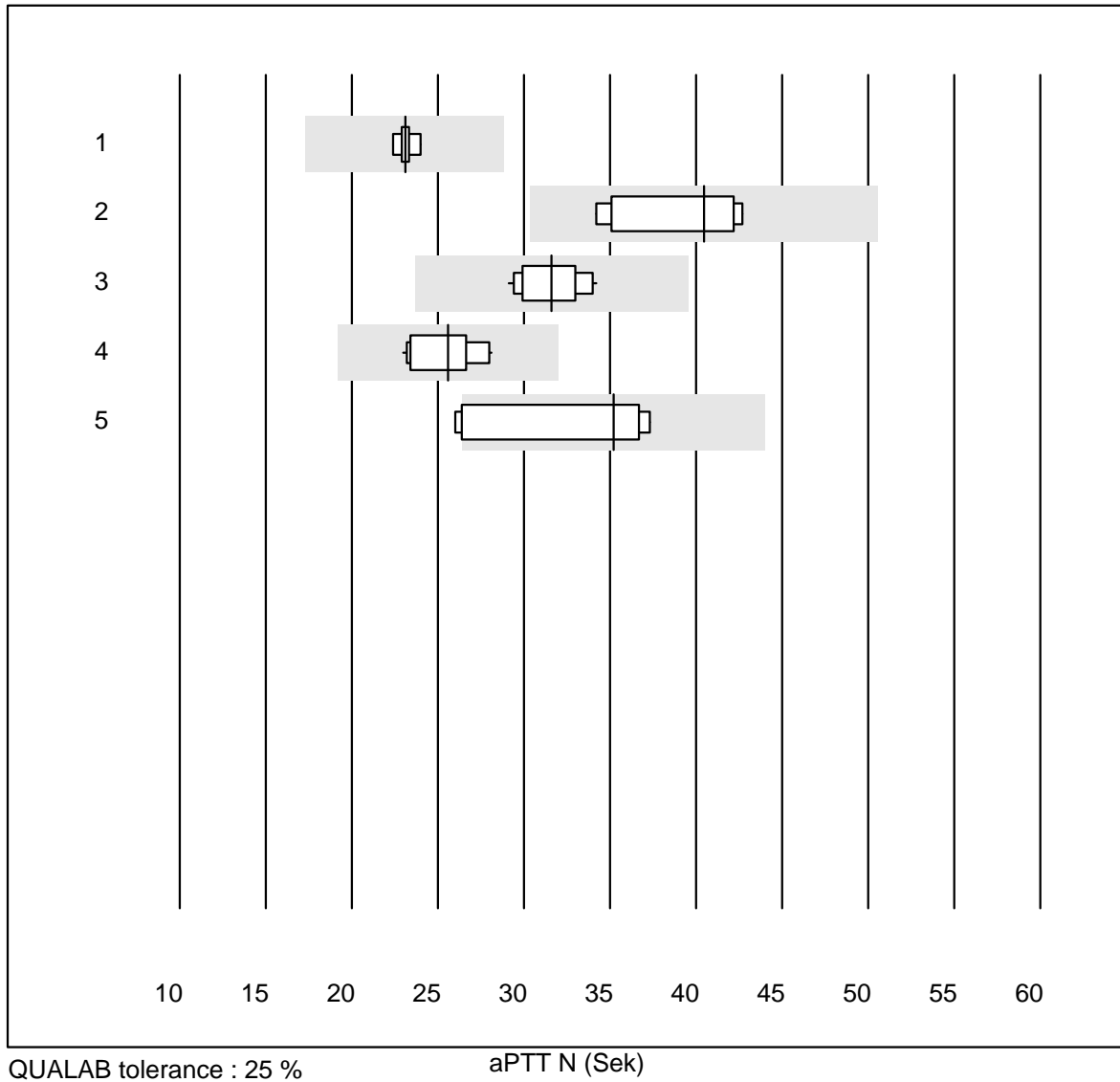


MQ tolerance : 25 %

Faktor V (%)

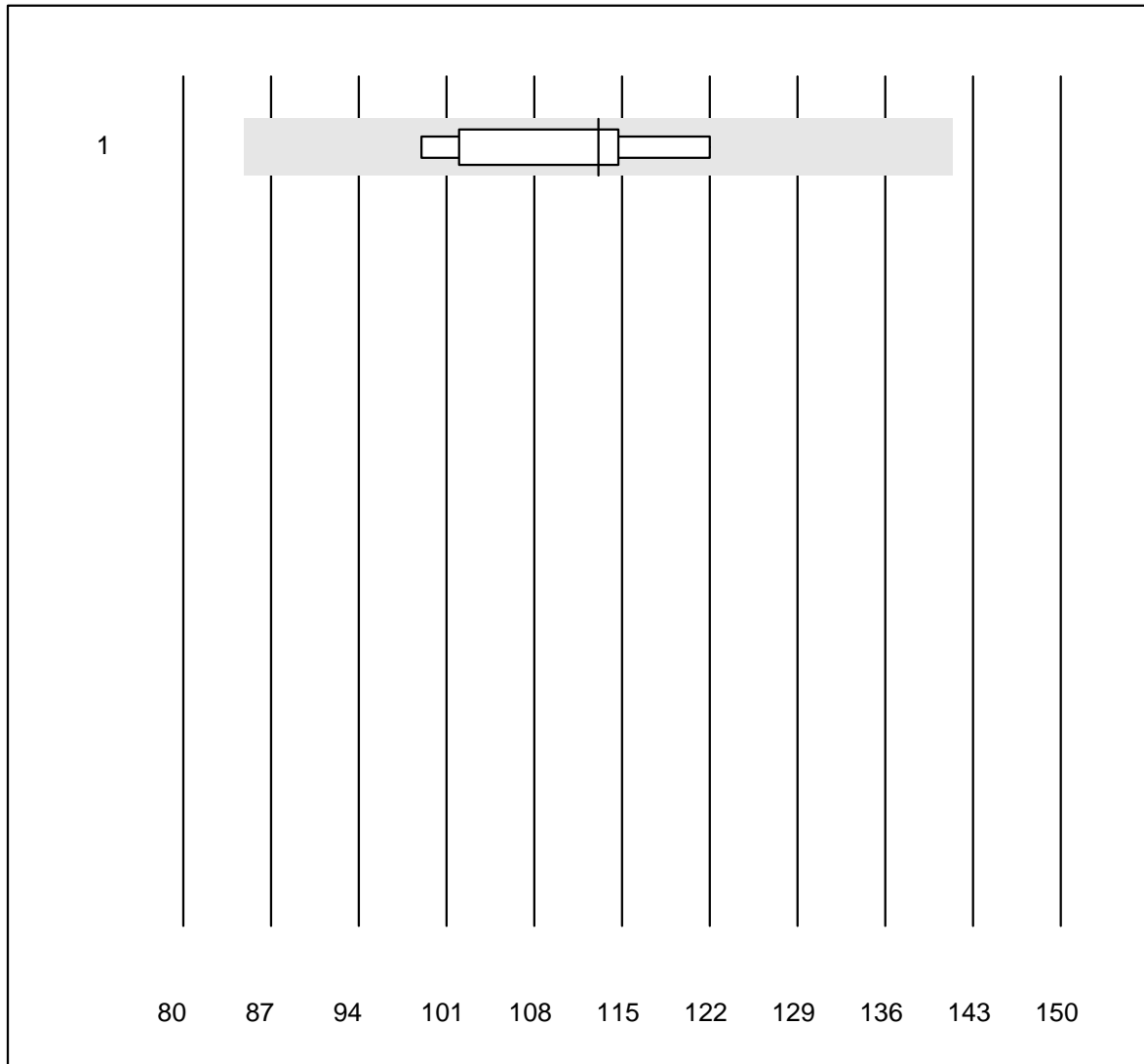
No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 all Participants	8	100.0	0.0	0.0	97.0	11.1	e*

## aPTT N



No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Actin FS	9	100.0	0.0	0.0	23.1	2.0	e
2	Pathromtin SL	6	100.0	0.0	0.0	40.5	9.4	e*
3	Stago/STA	20	100.0	0.0	0.0	31.6	5.9	e
4	aPTT-SP	12	100.0	0.0	0.0	25.6	6.8	e
5	Other methods	8	75.0	25.0	0.0	35.2	15.5	e*

## Faktor VII

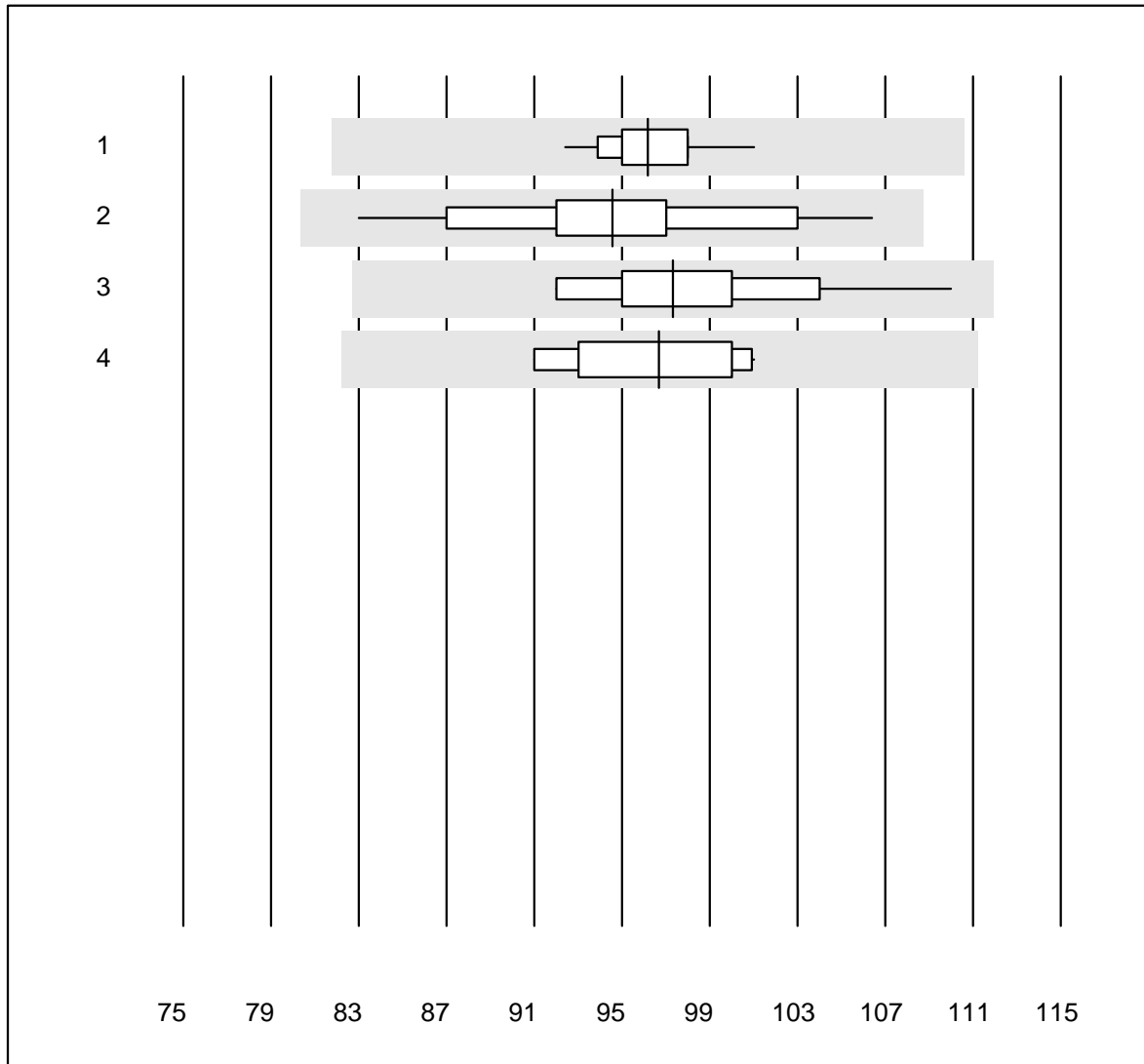


MQ tolerance : 25 %

Faktor VII (%)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 all Participants	5	100.0	0.0	0.0	113.1	8.6	e*

## Prothrombin time HT



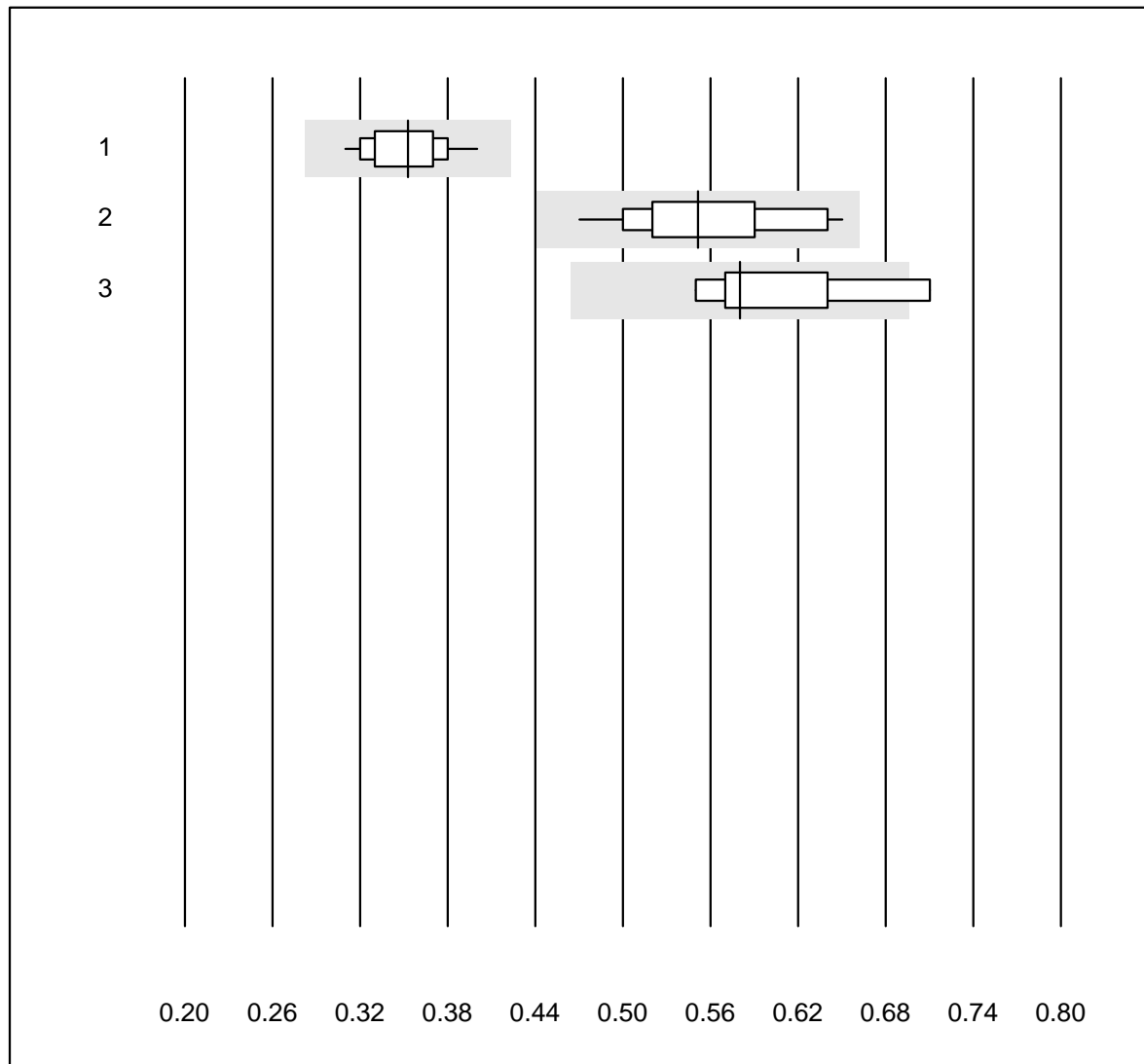
QUALAB tolerance : 15 %

Prothrombin time HT (%)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 Innovin	13	100.0	0.0	0.0	96	2.3	e
2 Neoplastin R	13	100.0	0.0	0.0	95	6.5	e*
3 Recombiplastin 2G	13	100.0	0.0	0.0	97	5.3	e
4 Other methods	10	100.0	0.0	0.0	97	4.0	e

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

## Anti-FXa (unfrakt-Heparin)

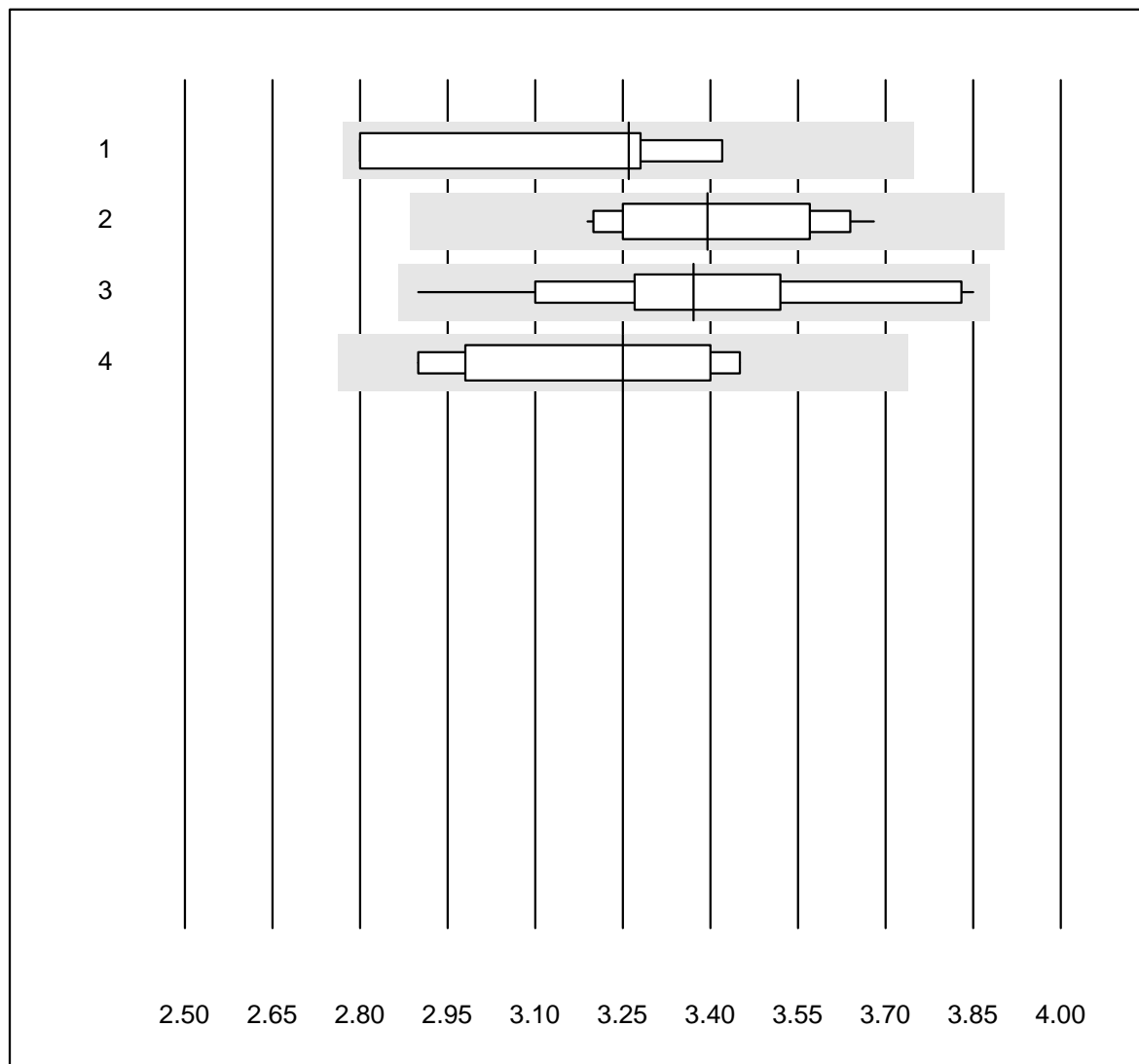


MQ tolerance : 20 %

Anti-FXa (unfrakt-Heparin) (IU/ml)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 Stago/STA	11	100.0	0.0	0.0	0.35	7.5	e
2 ACL	26	100.0	0.0	0.0	0.55	9.0	e
3 Other methods	9	88.9	11.1	0.0	0.58	9.6	e*

## Fibrinogen H



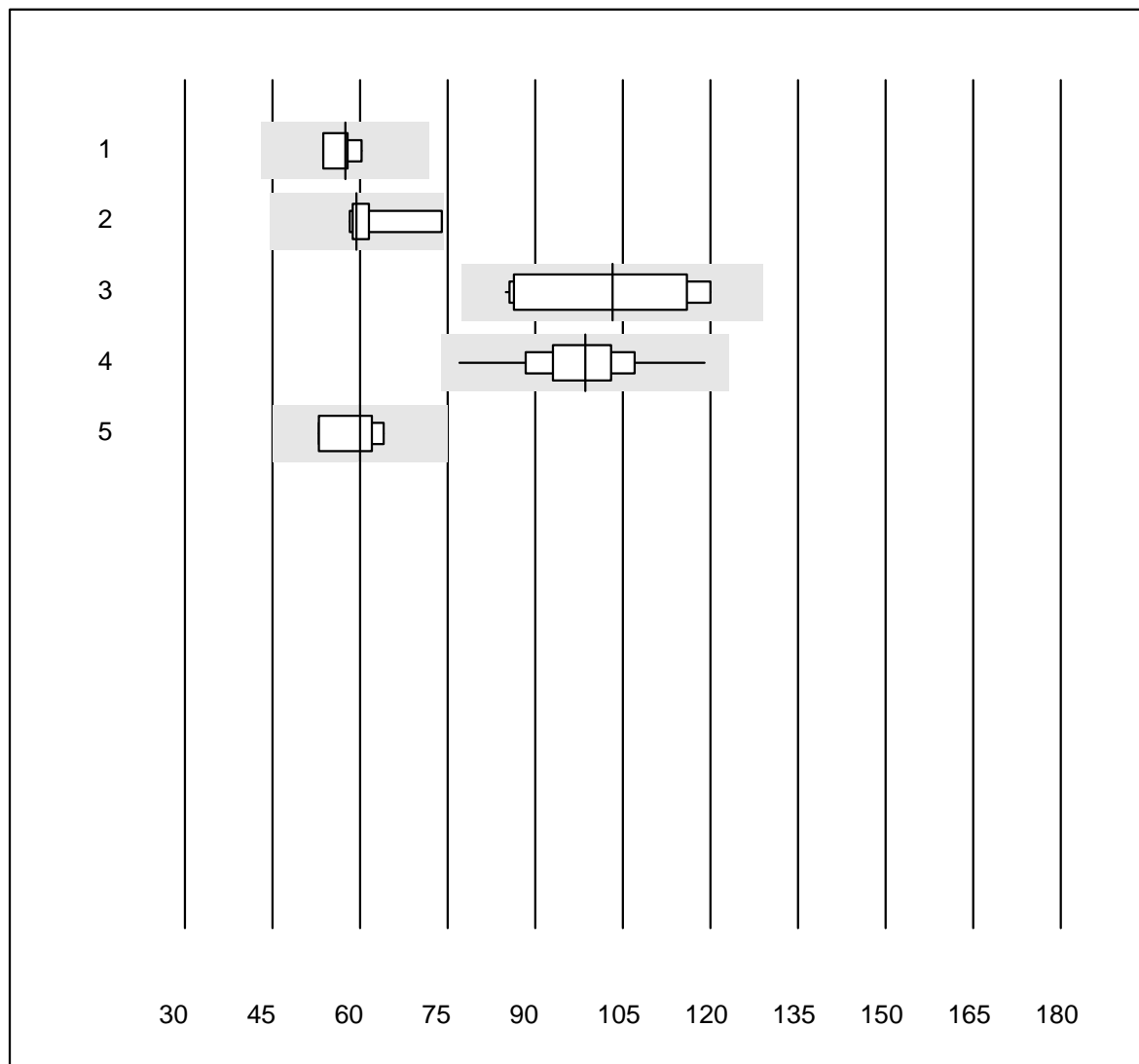
QUALAB tolerance : 15 %

Fibrinogen H (g/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Siemens Thrombin	4	100.0	0.0	0.0	3.26	8.4	e*
2	Stago/STA	14	100.0	0.0	0.0	3.40	5.3	e
3	Fibrinogen Q.F.A.	15	93.3	0.0	6.7	3.37	7.8	e*
4	Other methods	9	100.0	0.0	0.0	3.25	6.5	e*

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

## aPTT H



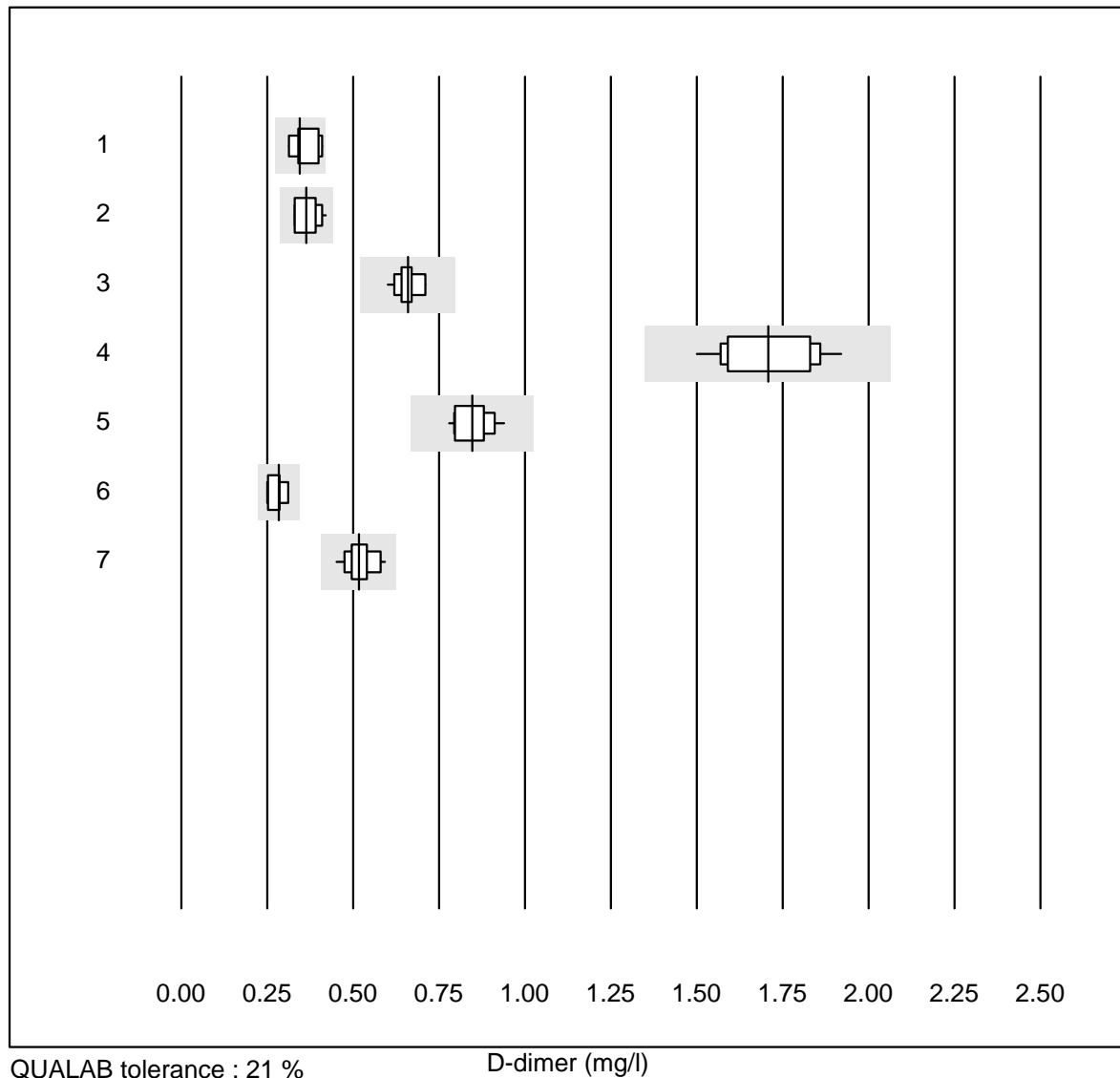
QUALAB tolerance : 25 %

aPTT H (Sek)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Actin FS	4	100.0	0.0	0.0	57.5	4.7	e
2	Actin FSL	5	100.0	0.0	0.0	59.4	10.6	e*
3	Stago/STA	13	100.0	0.0	0.0	103.3	14.3	e*
4	aPTT-SP	16	100.0	0.0	0.0	98.5	9.5	e
5	Other methods	4	100.0	0.0	0.0	60.0	8.2	e*

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

## D-dimer



QUALAB tolerance : 21 %

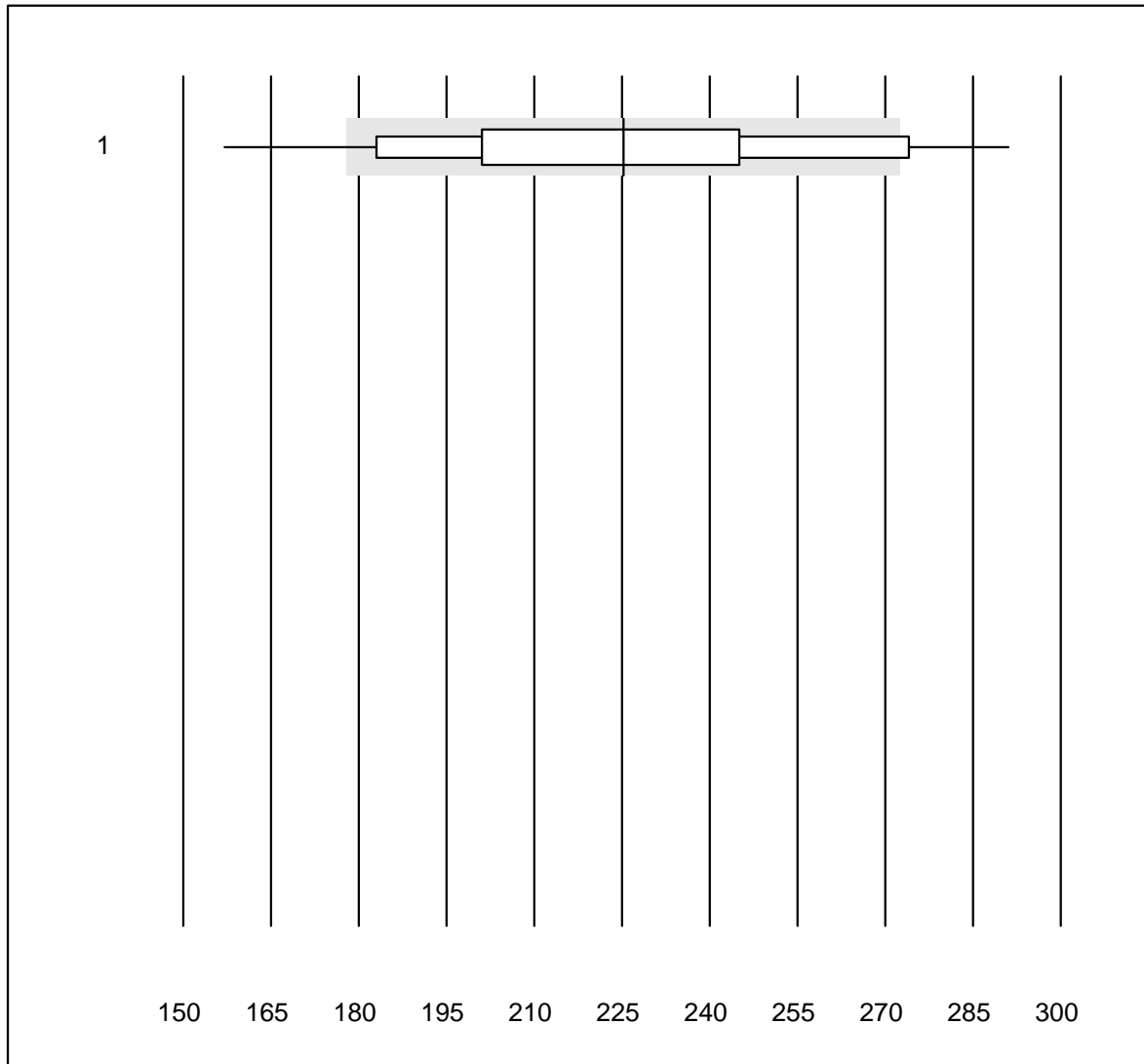
D-dimer (mg/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Roche (Zitratplasma)	6	83.3	0.0	16.7	0.35	11.4	e*
2	STA Liatest	16	81.2	0.0	18.8	0.36	8.8	e
3	Siemens Innovance	13	100.0	0.0	0.0	0.66	5.0	e
4	Pathfast	24	100.0	0.0	0.0	1.71	7.0	e
5	ACL	16	100.0	0.0	0.0	0.85	5.9	e
6	AQT 90 FLEX	6	100.0	0.0	0.0	0.28	8.4	e*
7	VIDAS	17	100.0	0.0	0.0	0.52	7.1	e

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



## D-Dimer Triage

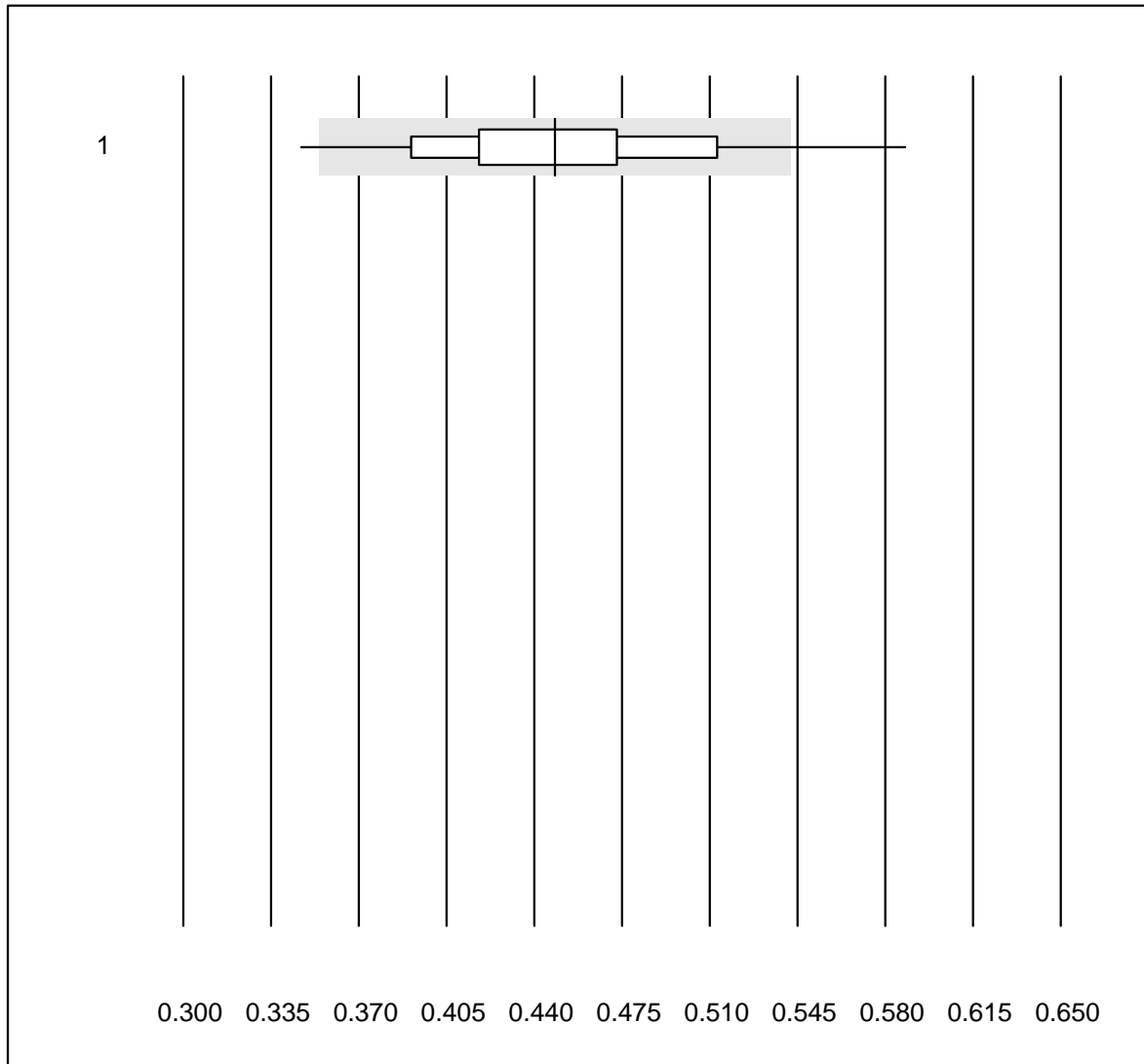


QUALAB tolerance : 21 %

D-Dimer Triage (ng/ml)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 Triage	133	81.2	14.3	4.5	225.24	14.0	e

### D-dimer qn AFIAS

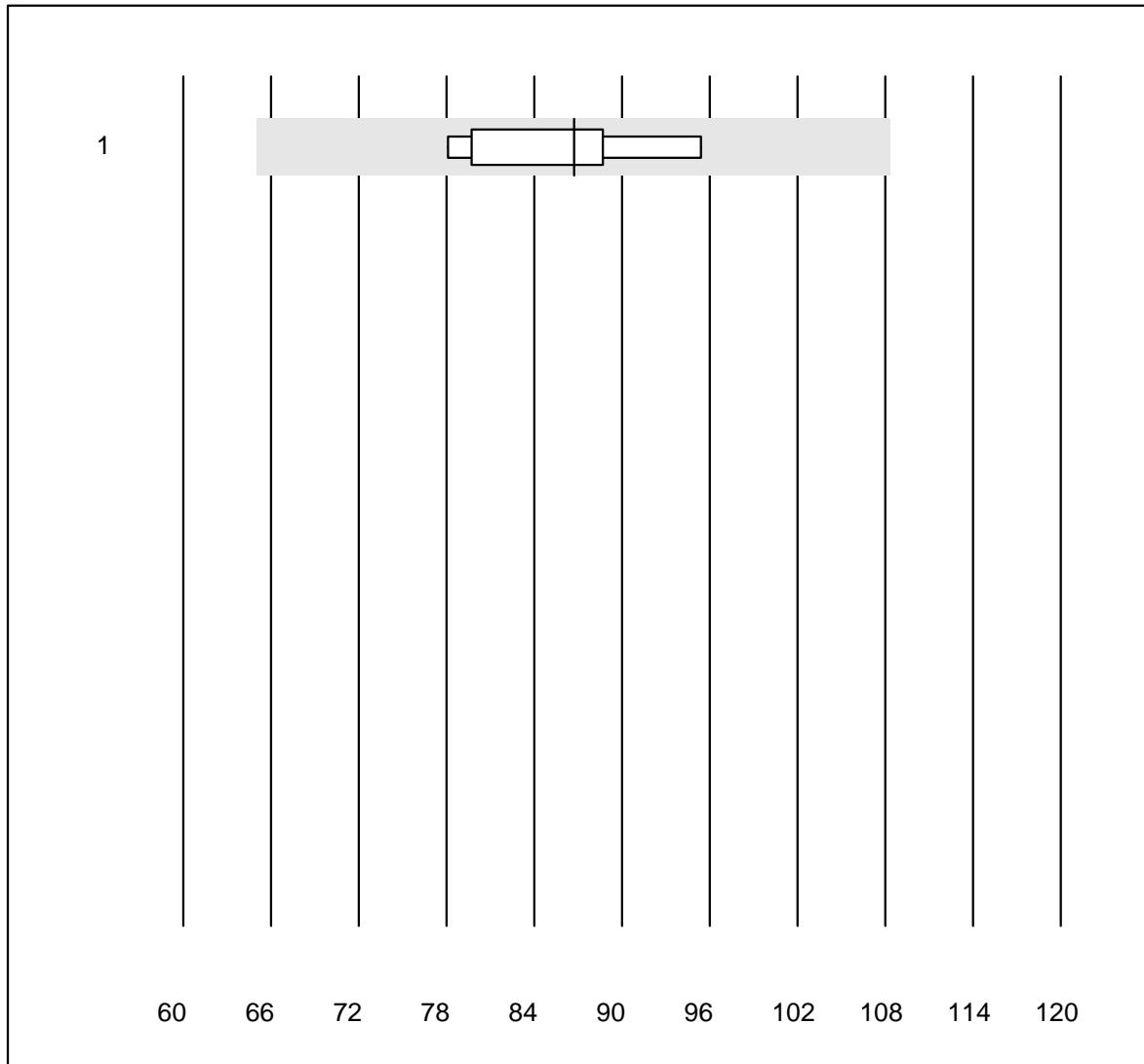


QUALAB tolerance : 21 %

D-dimer qn AFIAS (mg/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV% Type
1 AFIAS	370	82.7	4.3	13.0	0.45	10.4 e

# CoaguChek APTT

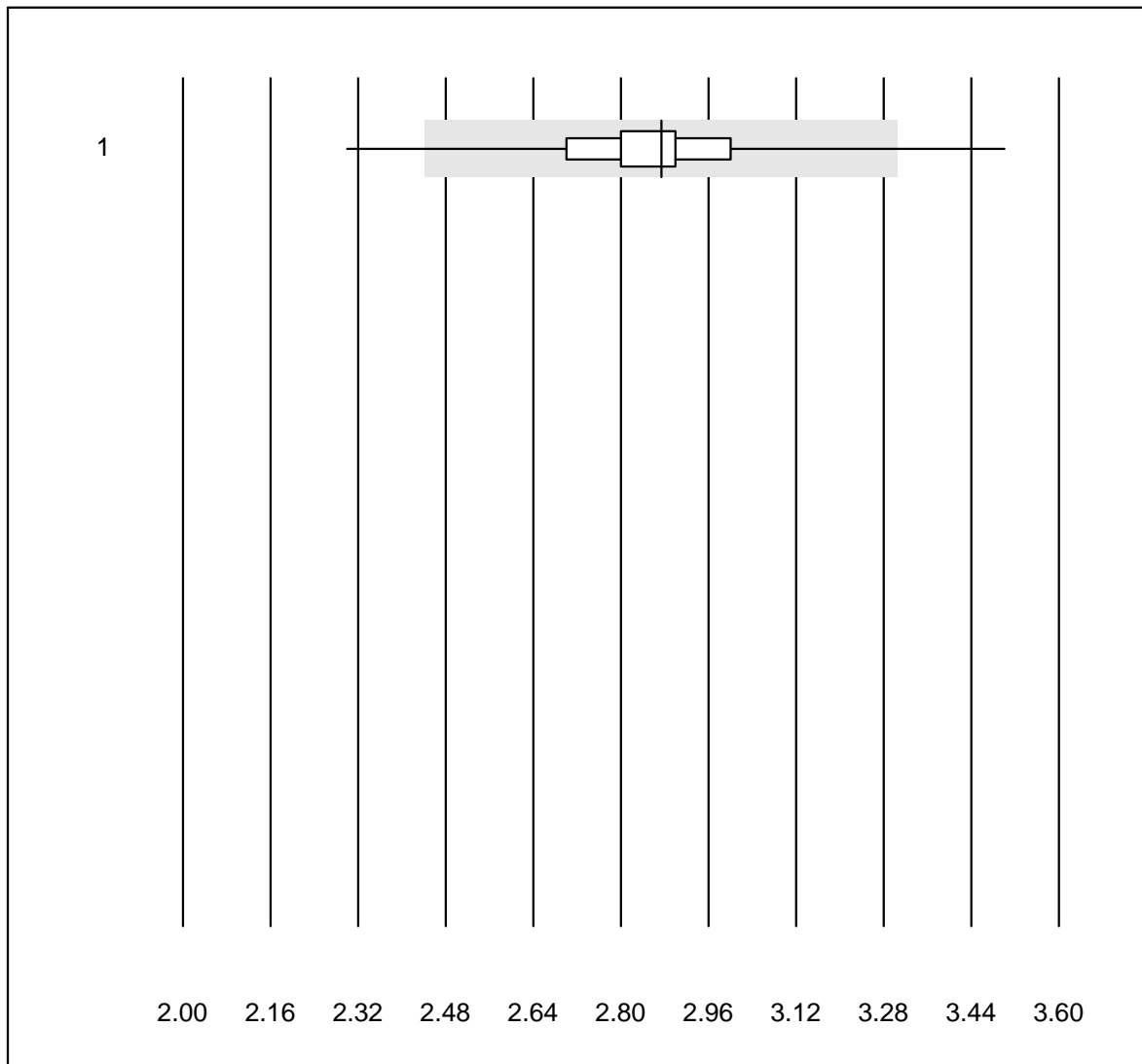


QUALAB tolerance : 25 %

CoaguChek APTT (Sek)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	CoaguChek Pro II	7	100.0	0.0	0.0	86.7	7.2	e

### INR CCXS

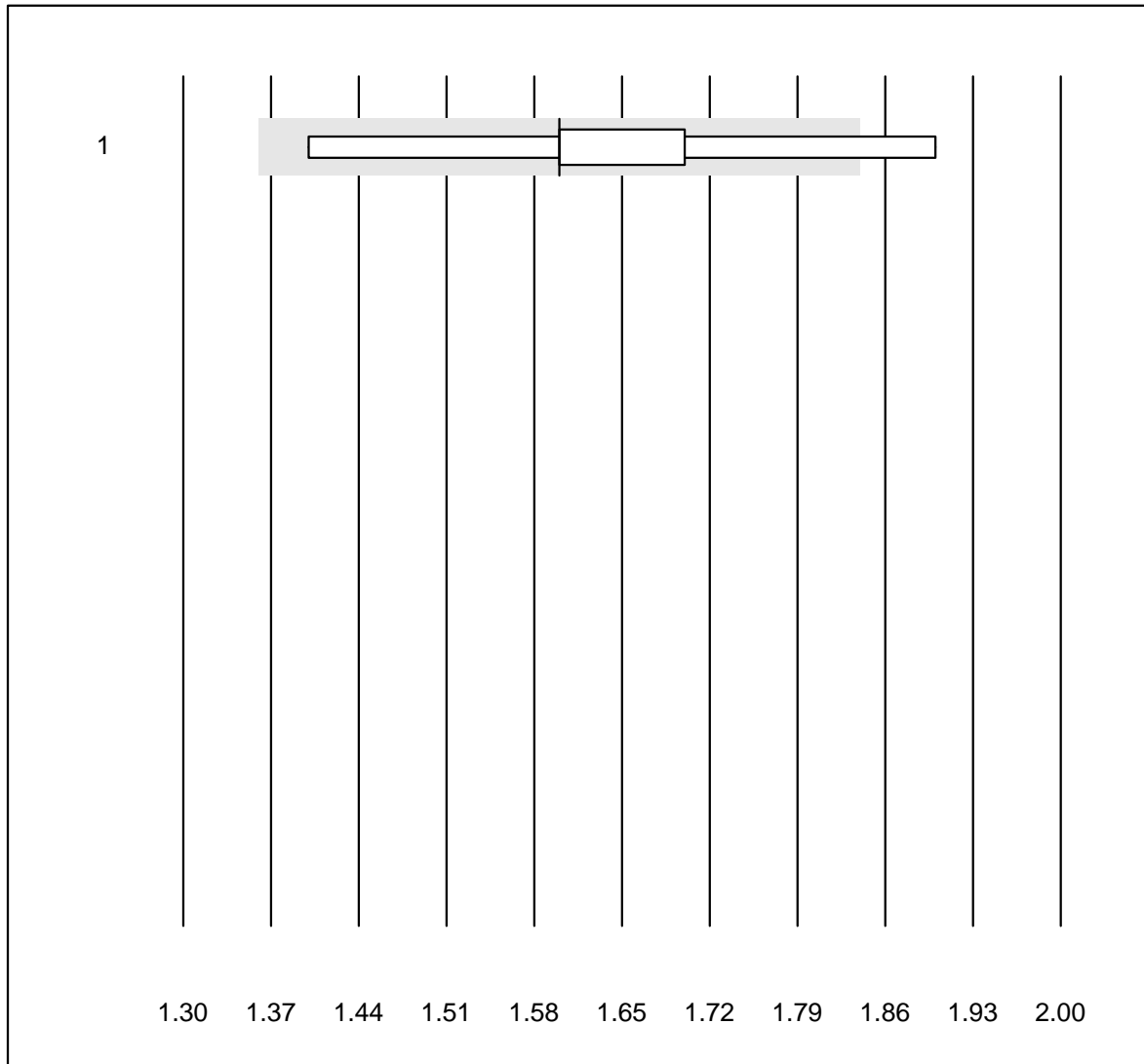


QUALAB tolerance : 15 %

INR CCXS ()

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	CoaguChek XS	1378	98.9	0.9	0.2	2.9	4.2	e

# INR HC

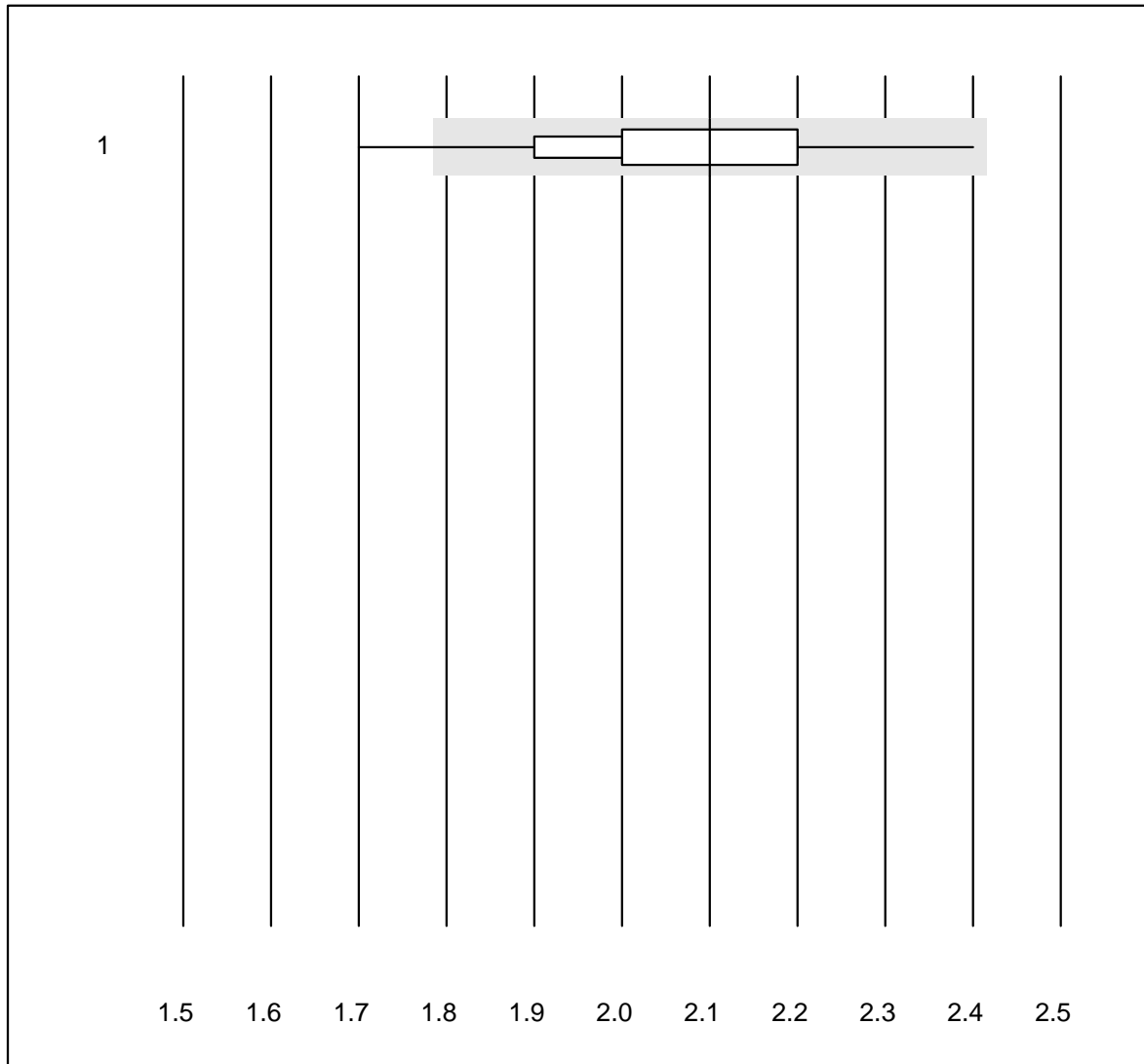


QUALAB tolerance : 15 %

INR HC ()

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 Hemochron j.	6	83.3	16.7	0.0	1.6	10.0	e*

# INR MI

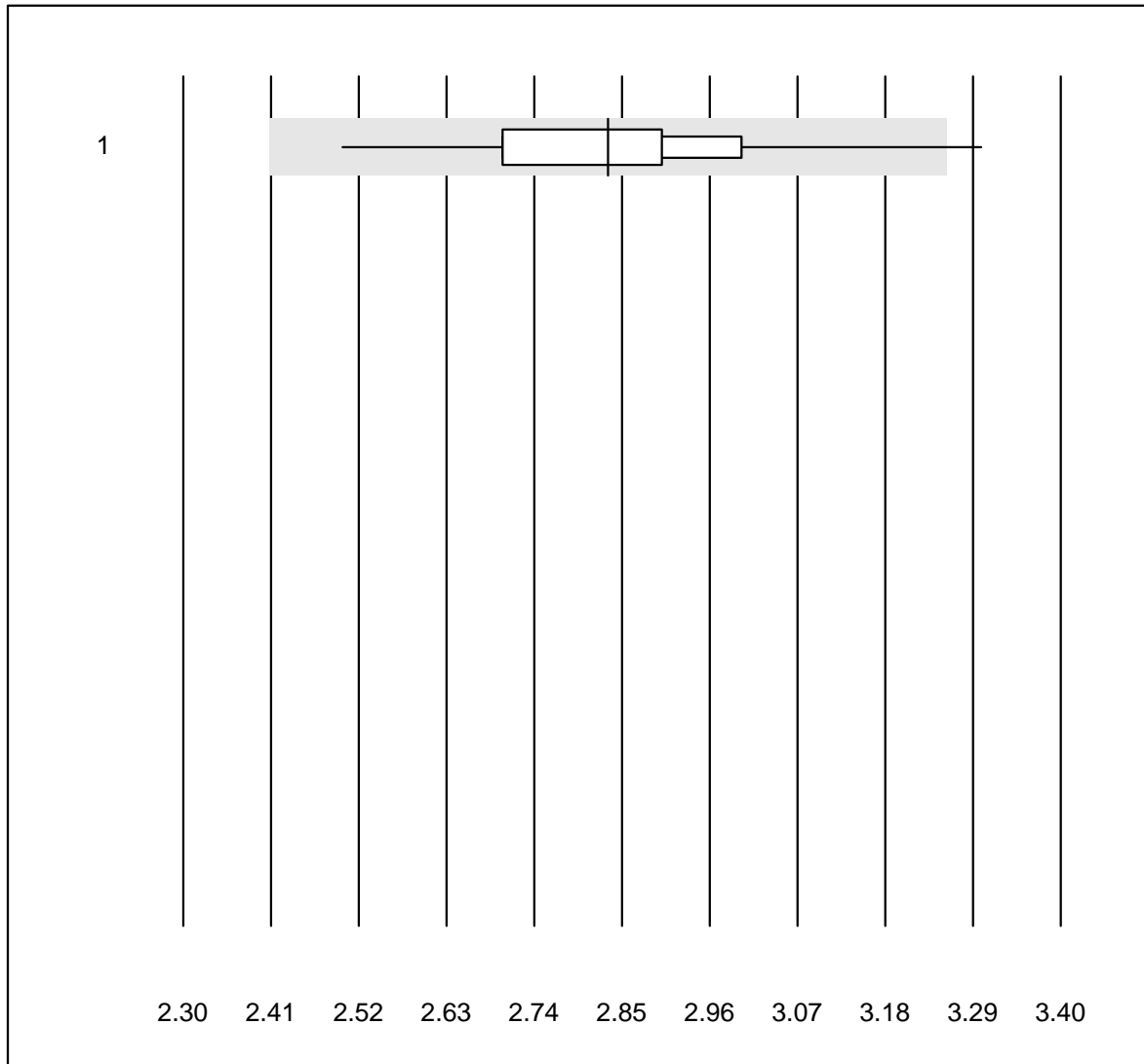


QUALAB tolerance : 15 %

INR MI ()

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 MicroINR	138	89.2	3.6	7.2	2.1	7.1	e

# INR Xprecia

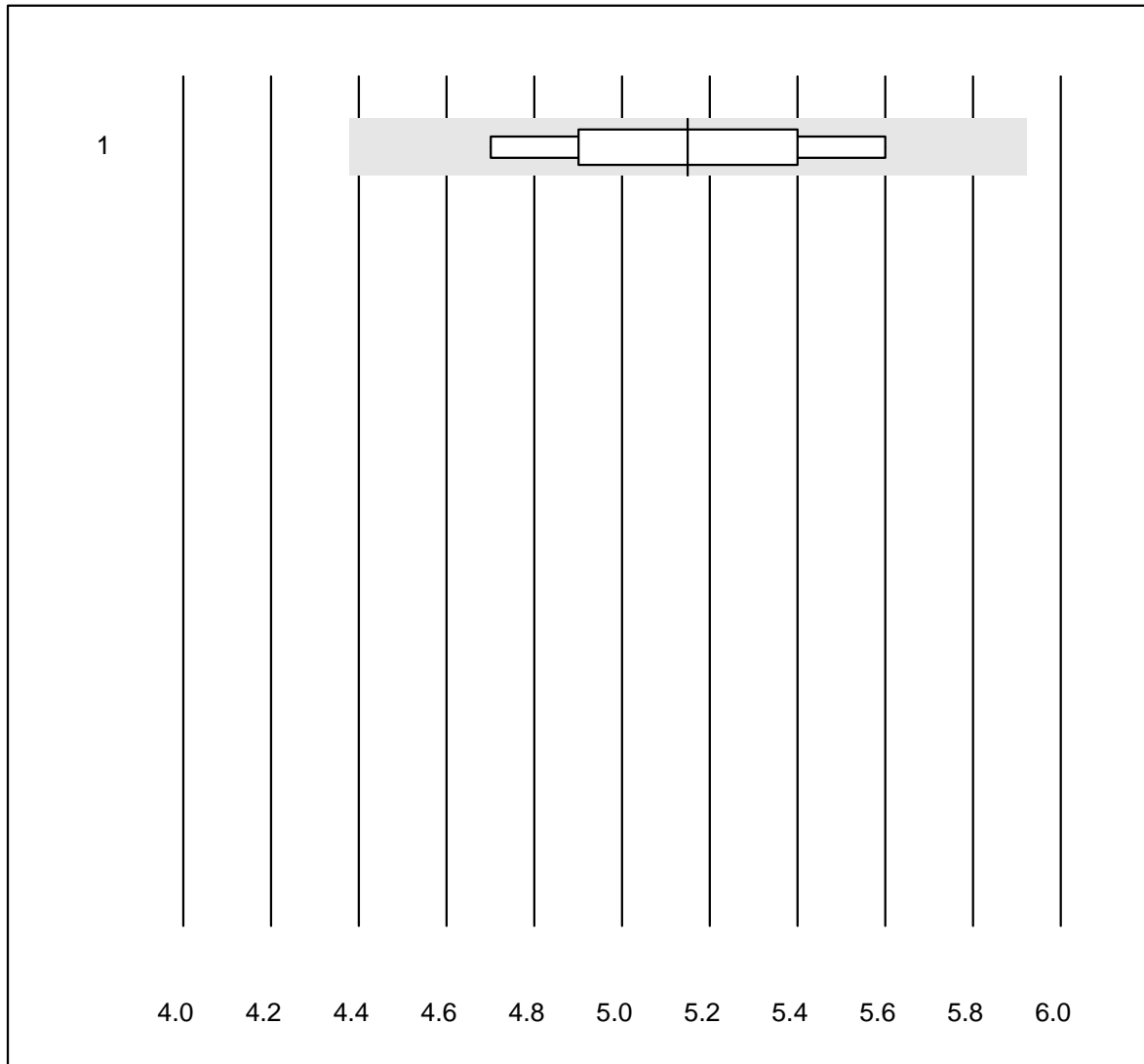


QUALAB tolerance : 15 %

INR Xprecia ()

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 Xprecia	44	95.4	2.3	2.3	2.8	5.1	e

## INR Lumira Dx



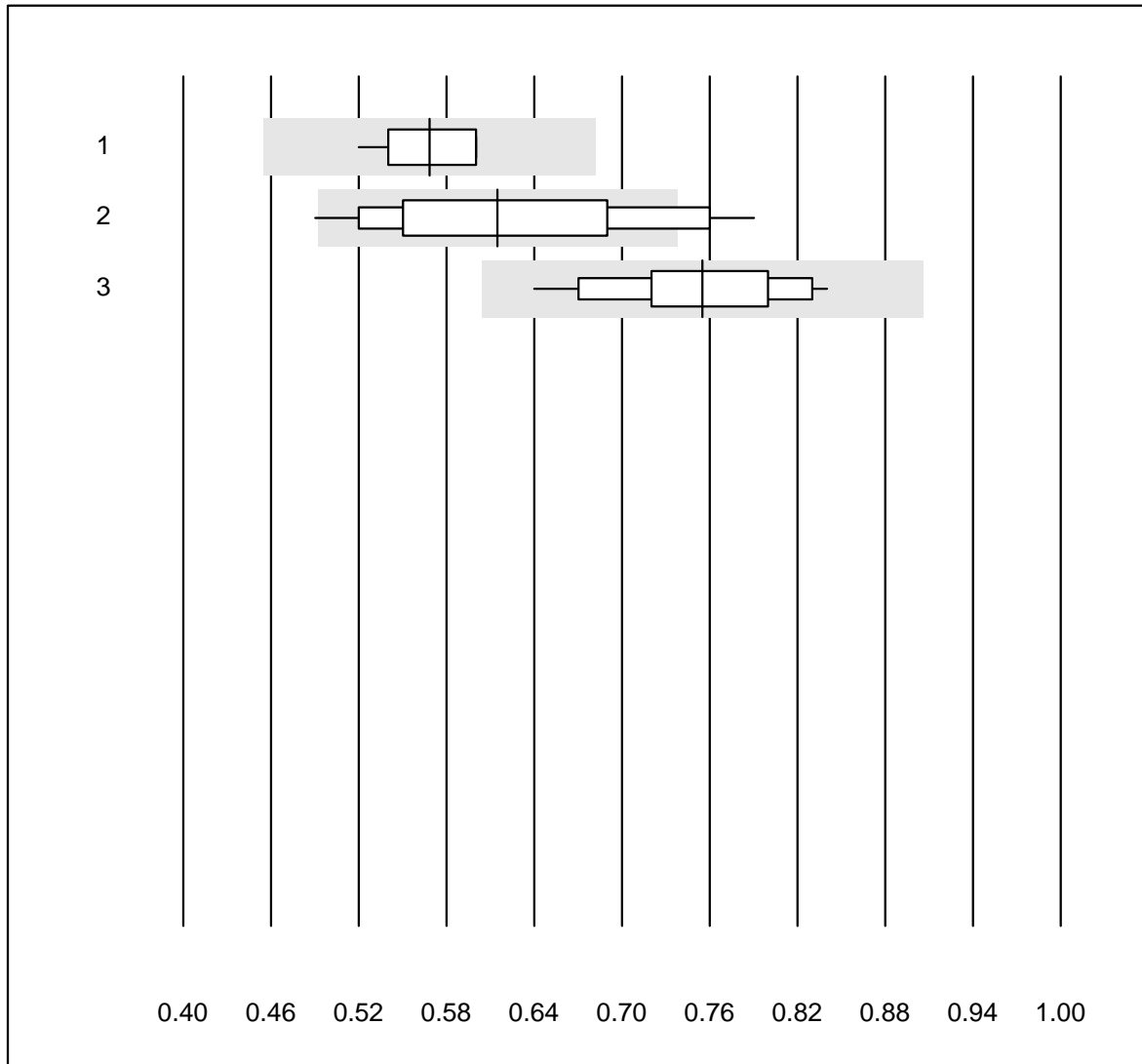
QUALAB tolerance : 15 %

INR Lumira Dx ()

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 Lumira Dx	8	100.0	0.0	0.0	5.2	6.4	e*



## Anti-FXa (LMW-Heparin)

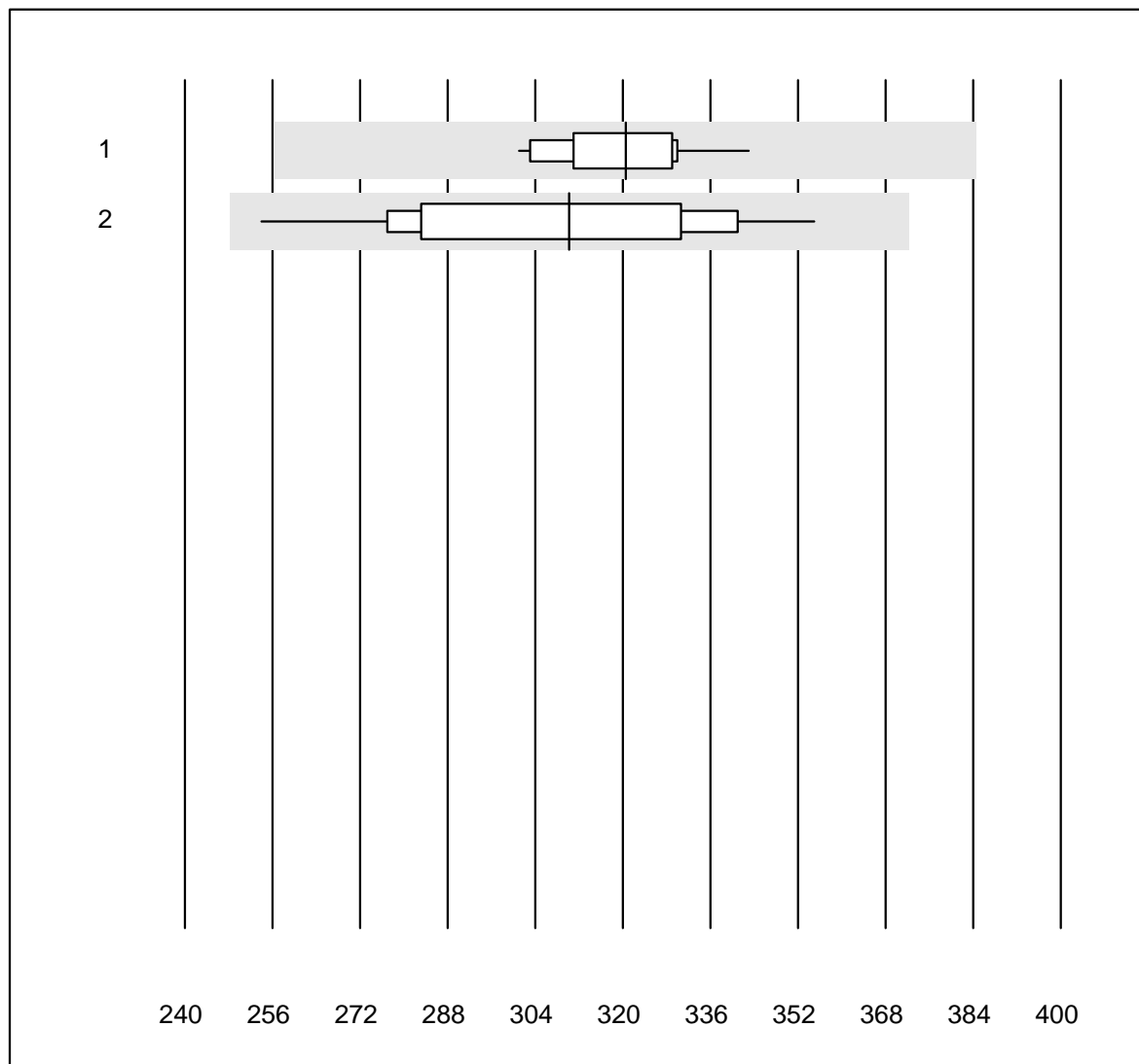


MQ tolerance : 20 %

Anti-FXa (LMW-Heparin) (IU/ml)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 Stago/STA	12	100.0	0.0	0.0	0.57	5.0	e
2 ACL	16	81.2	18.8	0.0	0.62	13.6	e*
3 Other methods	18	100.0	0.0	0.0	0.76	7.5	e

### Anti-FXa (Rivaroxaban)



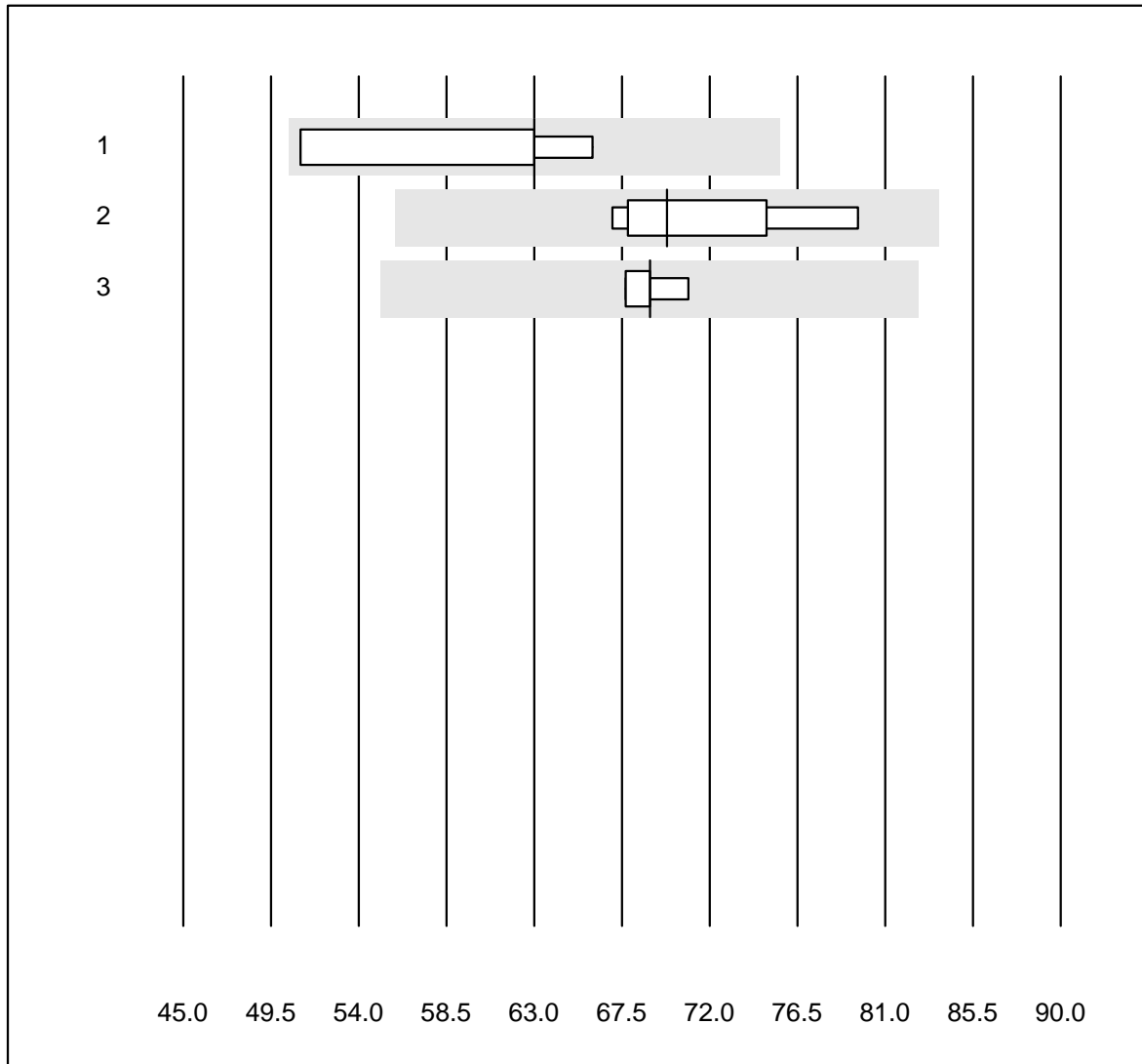
MQ tolerance : 20 %

Anti-FXa (Rivaroxaban) (µg/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Stago/STA	13	100.0	0.0	0.0	320.49	3.8	e
2	ACL	11	100.0	0.0	0.0	310.20	9.5	e*

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

## Anti-FXa (Apixaban)

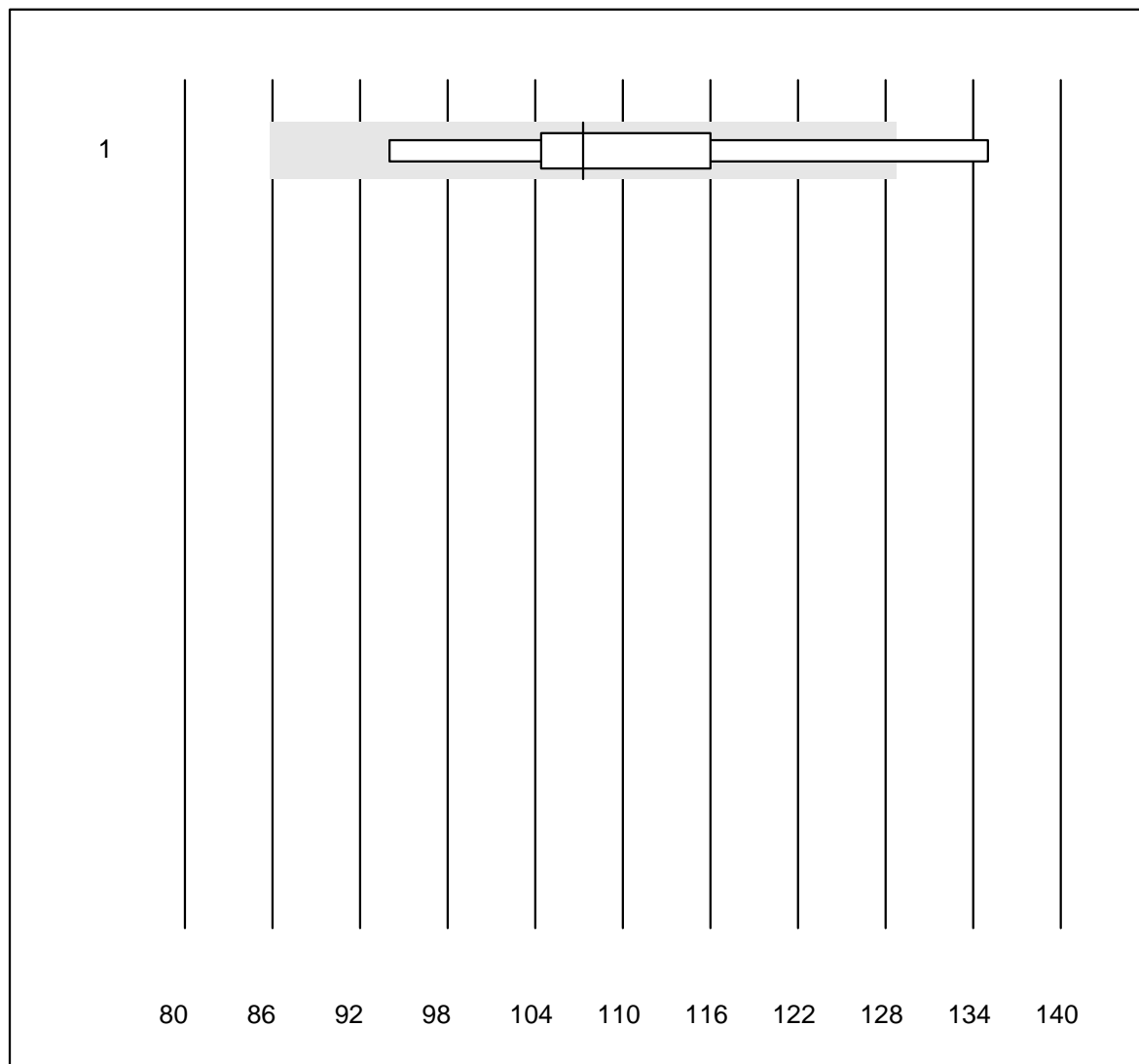


MQ tolerance : 20 %

Anti-FXa (Apixaban) (µg/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Stago/STA	5	80.0	0.0	20.0	63.00	10.8	e*
2	ACL	5	100.0	0.0	0.0	69.80	7.4	e*
3	Other methods	4	100.0	0.0	0.0	68.92	1.9	e

### Anti-FXa (Edoxaban)

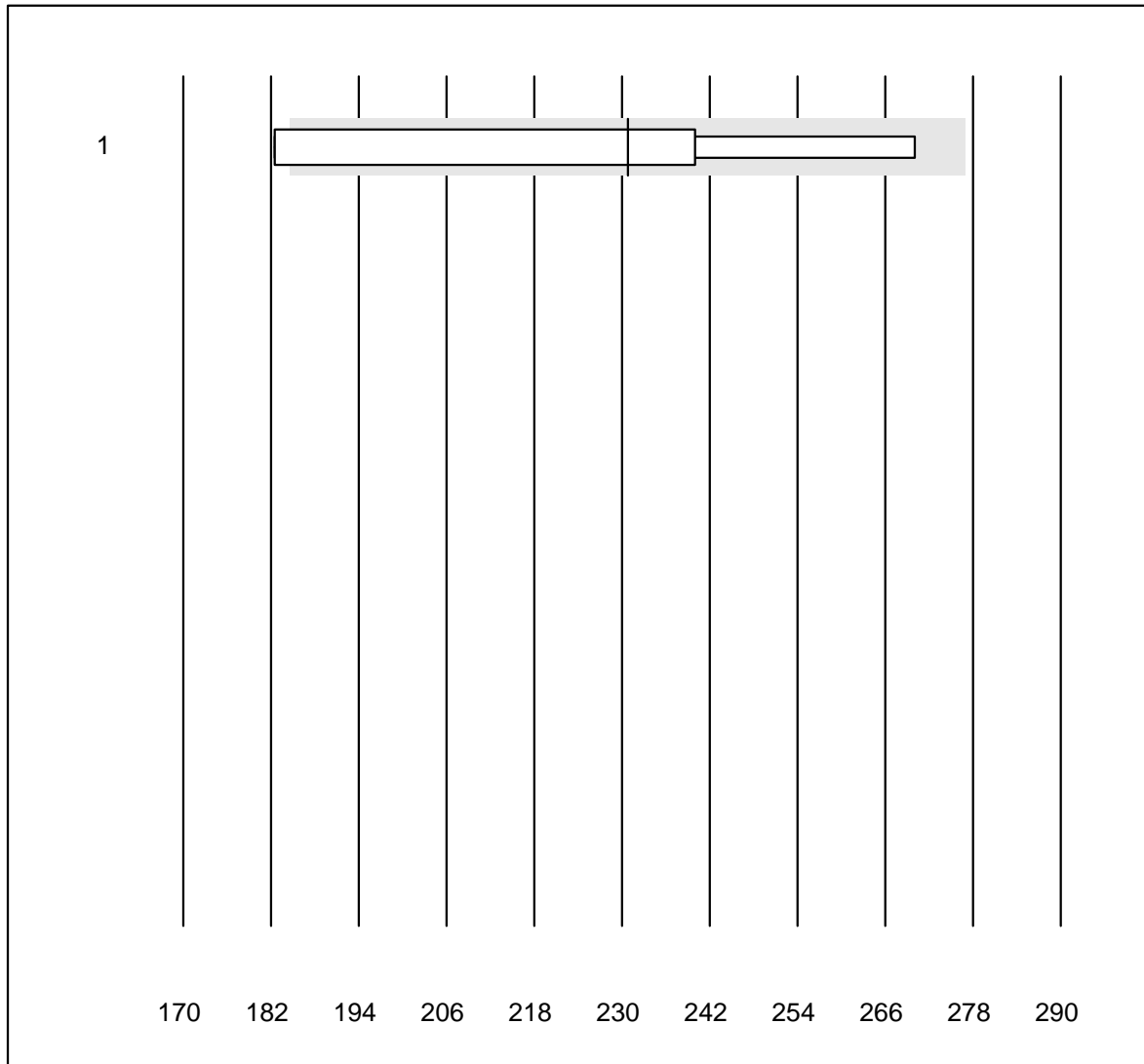


MQ tolerance : 20 %

Anti-FXa (Edoxaban) (µg/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 all Participants	6	83.3	16.7	0.0	107.30	12.5	e*

### Anti-FIIa (Dabigatran)

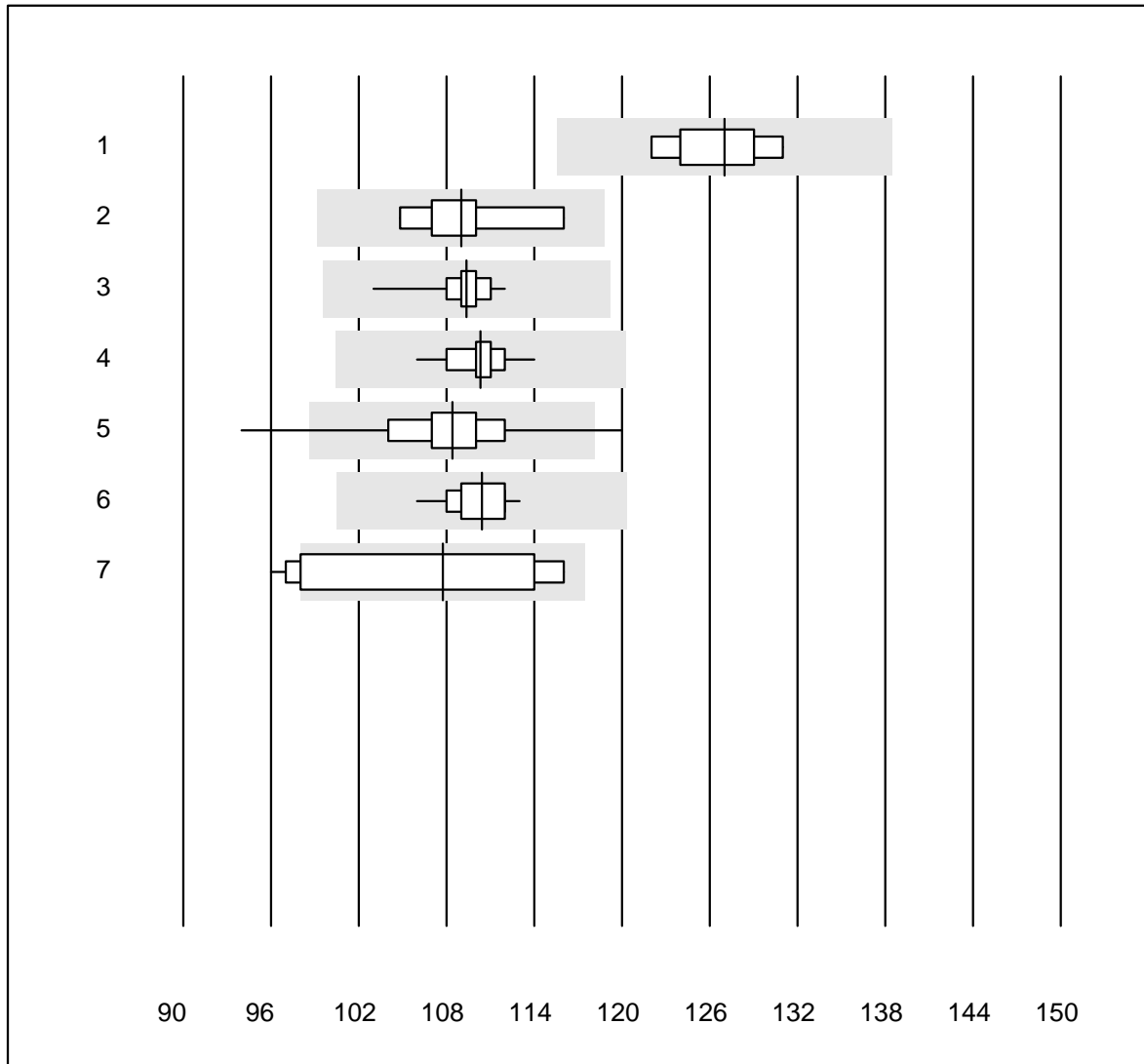


MQ tolerance : 20 %

Anti-FIIa (Dabigatran) (µg/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 all Participants	4	75.0	25.0	0.0	230.84	19.0	a

# Hemoglobin



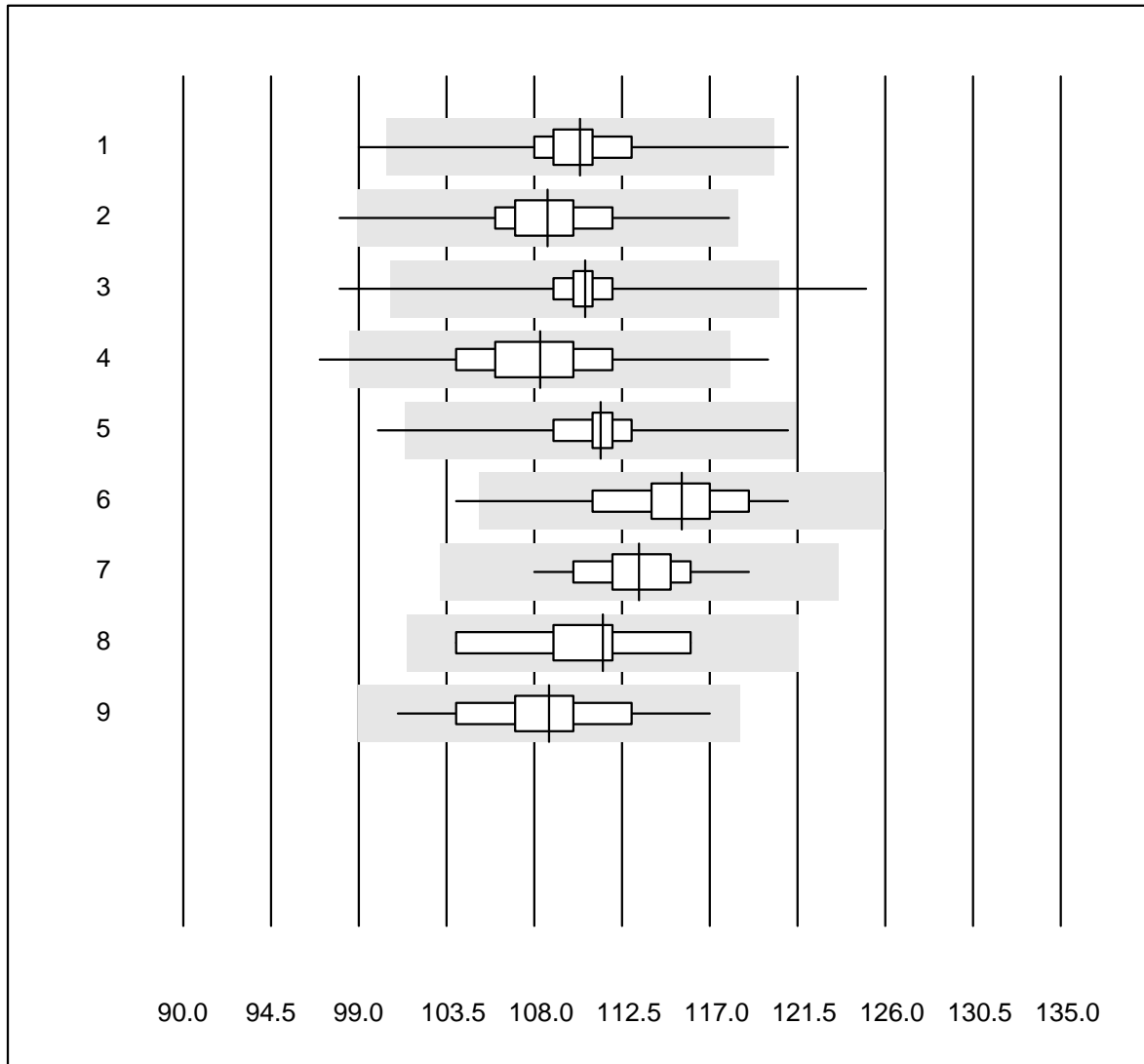
QUALAB tolerance : 9 %

Hemoglobin (g/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Hemocue Hb 801	7	85.7	0.0	14.3	127.0	2.7	e
2	Automat	8	100.0	0.0	0.0	109.0	3.2	e*
3	Cyanmethemoglobin	15	93.3	0.0	6.7	109.4	1.9	e
4	Sysmex X	62	100.0	0.0	0.0	110.3	1.4	e
5	Hemocue	391	91.3	3.6	5.1	108.4	3.3	e
6	Hemocontrol	16	93.7	0.0	6.3	110.4	1.7	e
7	DiaSpect	12	66.7	25.0	8.3	107.8	7.2	e*

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

# Hemoglobin



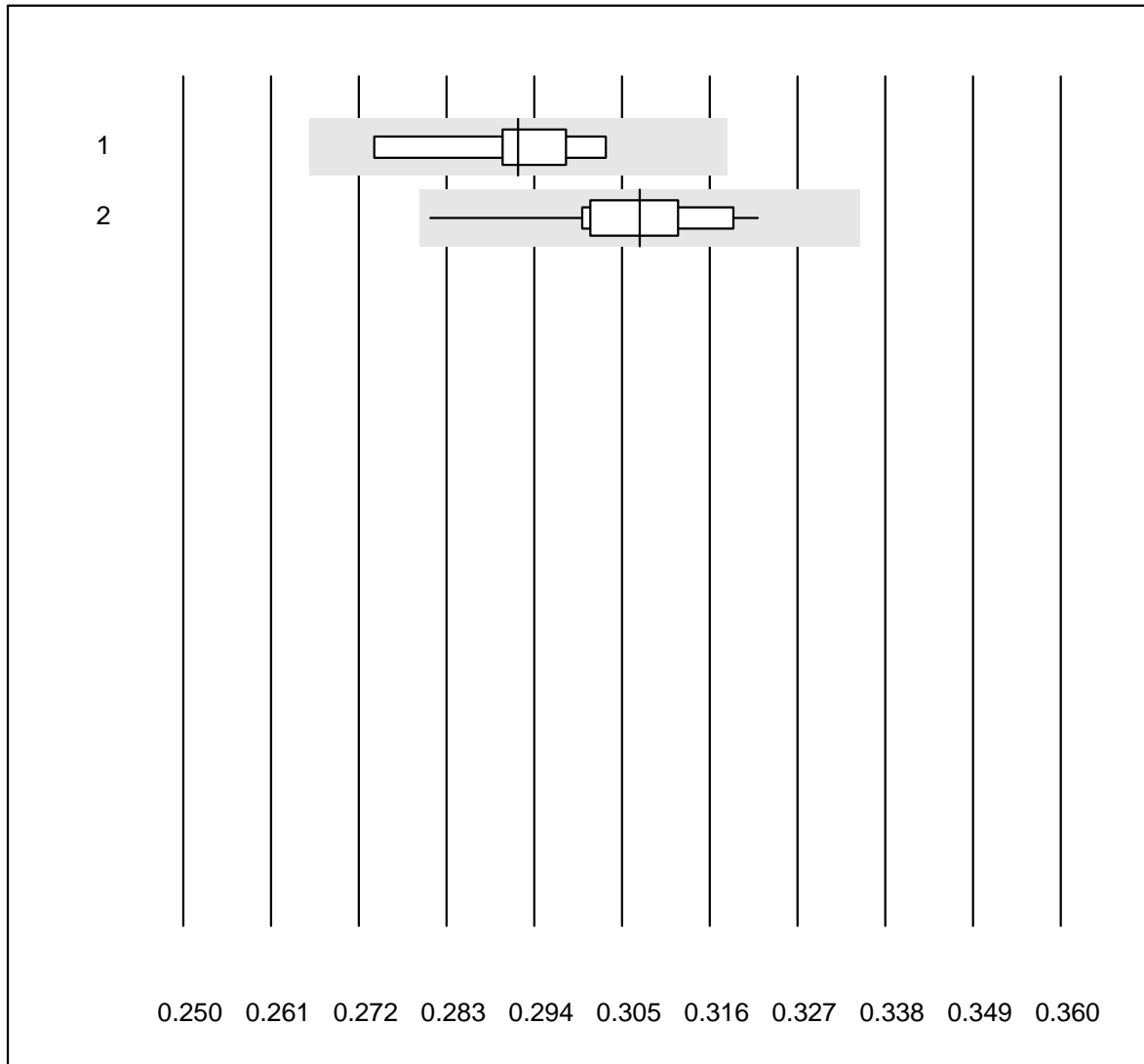
QUALAB tolerance : 9 %

Hemoglobin (g/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Sysmex KX21	97	94.8	3.1	2.1	110.3	2.8	e
2	Sysmex PochH - 100i	180	93.3	1.1	5.6	108.7	2.7	e
3	Sysmex XP 300	592	96.7	0.8	2.5	110.6	2.0	e
4	Mythic	224	96.4	0.9	2.7	108.3	3.0	e
5	Sysmex XQ-320	122	96.8	1.6	1.6	111.4	2.3	e
6	Swelab	29	93.2	3.4	3.4	115.6	3.0	e
7	Celltac Alpha (Nihon	55	98.2	0.0	1.8	113.4	2.1	e
8	Samsung HC10	6	100.0	0.0	0.0	111.5	3.6	e*
9	Micros 60	60	98.3	0.0	1.7	108.8	3.1	e

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

## Hematocrit



QUALAB tolerance : 9 %

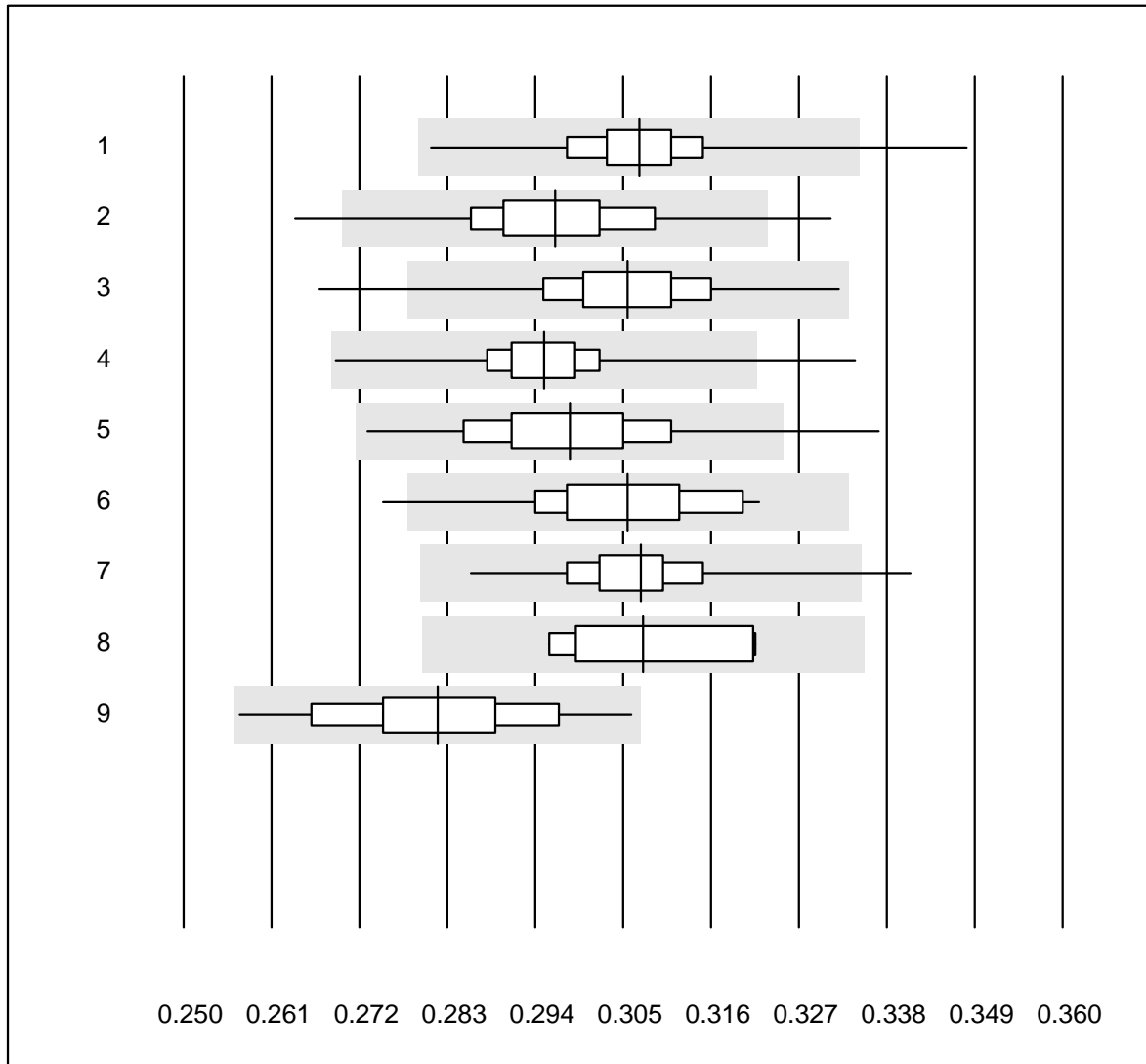
Hematocrit (l/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Automat	7	85.7	0.0	14.3	0.29	3.4	e*
2	Sysmex X	62	100.0	0.0	0.0	0.31	2.7	e

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



## Hematocrit



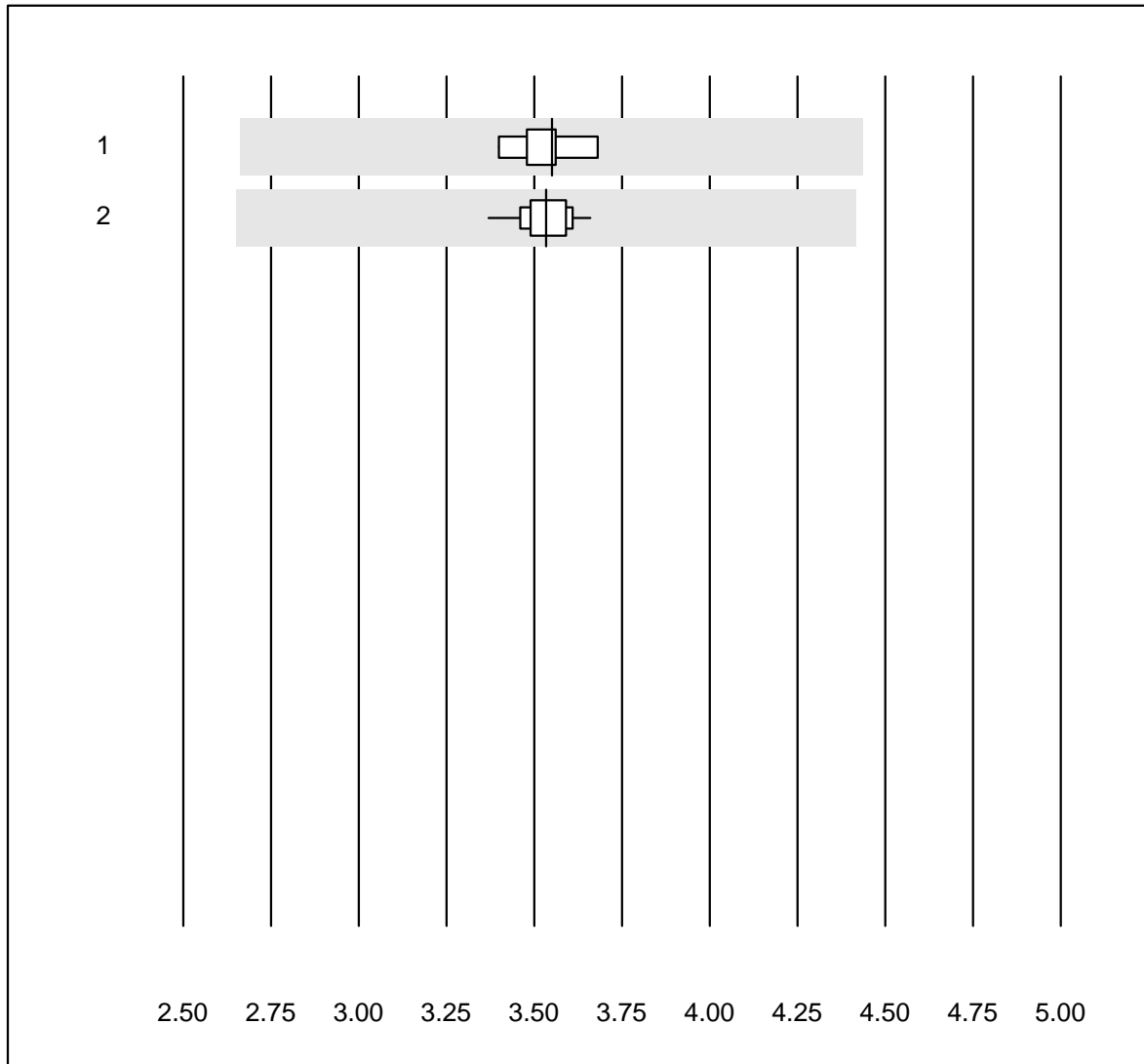
QUALAB tolerance : 9 %

Hematocrit (l/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Sysmex XQ-320	120	95.9	0.8	3.3	0.31	2.6	e
2	Sysmex KX21	96	94.8	3.1	2.1	0.30	3.5	e
3	Sysmex Poch - 100i	180	92.2	1.7	6.1	0.31	3.2	e
4	Sysmex XP 300	593	96.9	0.7	2.4	0.30	2.3	e
5	Mythic	224	96.4	0.9	2.7	0.30	3.5	e
6	Swelab	29	93.2	3.4	3.4	0.31	3.5	e
7	Celltac Alpha (Nihon	55	92.8	3.6	3.6	0.31	3.3	e
8	Samsung HC10	6	100.0	0.0	0.0	0.31	3.5	e*
9	Micros 60	60	90.0	0.0	10.0	0.28	4.0	e

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

# Erythrocytes



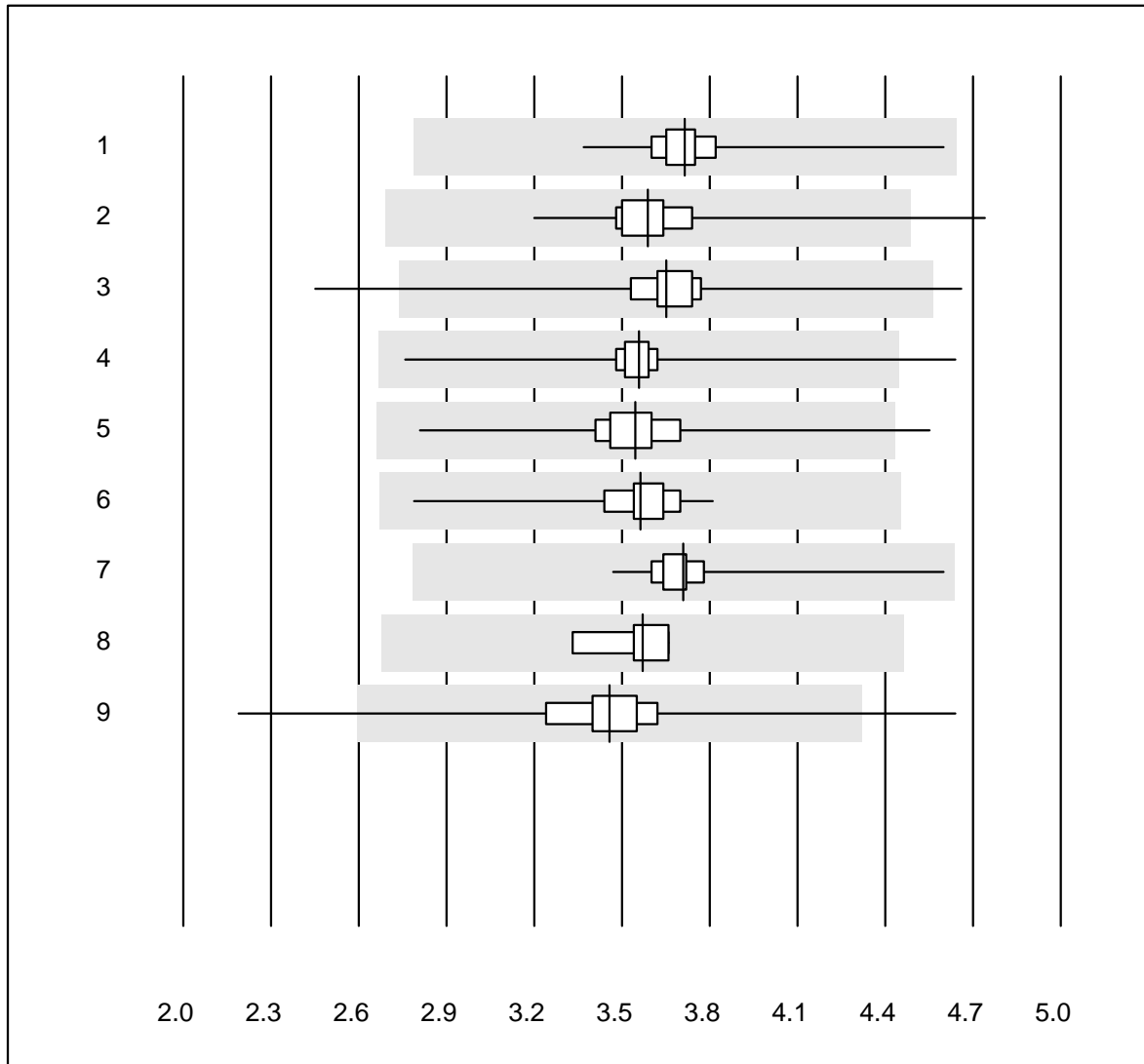
QUALAB tolerance : 25 %

Erythrocytes (T/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Automat	7	100.0	0.0	0.0	3.55	2.4	e
2	Sysmex X	62	100.0	0.0	0.0	3.53	1.8	e

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

# Erythrocytes



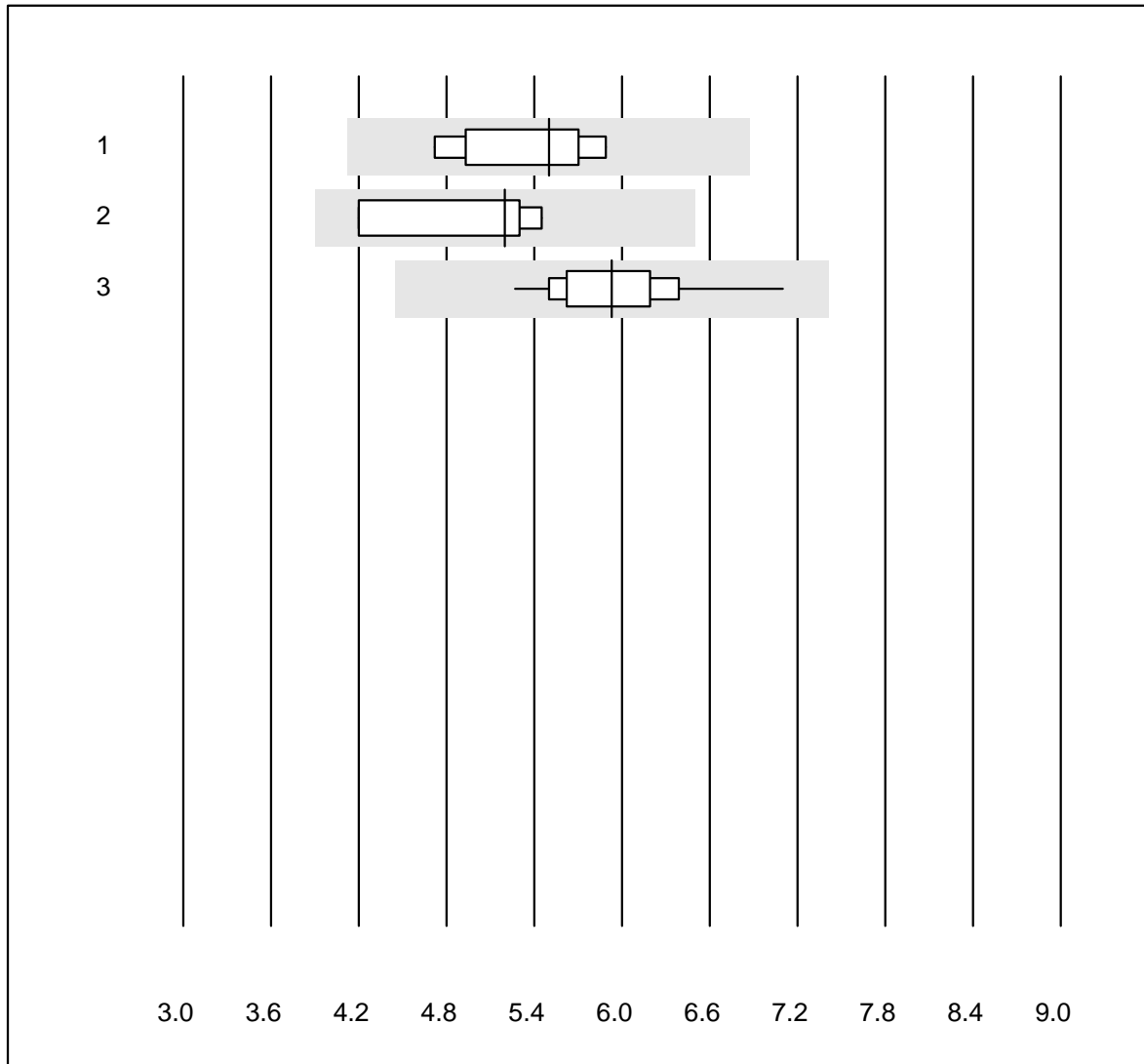
QUALAB tolerance : 25 %

Erythrocytes (T/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Sysmex XQ-320	120	100.0	0.0	0.0	3.71	3.8	e
2	Sysmex KX21	97	97.9	2.1	0.0	3.59	5.4	e
3	Sysmex PochH - 100i	179	95.0	2.2	2.8	3.65	5.8	e
4	Sysmex XP 300	593	98.2	0.5	1.3	3.56	3.3	e
5	Mythic	224	98.3	0.4	1.3	3.55	4.3	e
6	Swelab	29	100.0	0.0	0.0	3.56	5.0	e
7	Celltac Alpha (Nihon	55	98.2	0.0	1.8	3.71	4.7	e
8	Samsung HC10	6	100.0	0.0	0.0	3.57	3.4	e
9	Micros 60	60	91.7	3.3	5.0	3.46	7.8	e

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

# Leucocytes



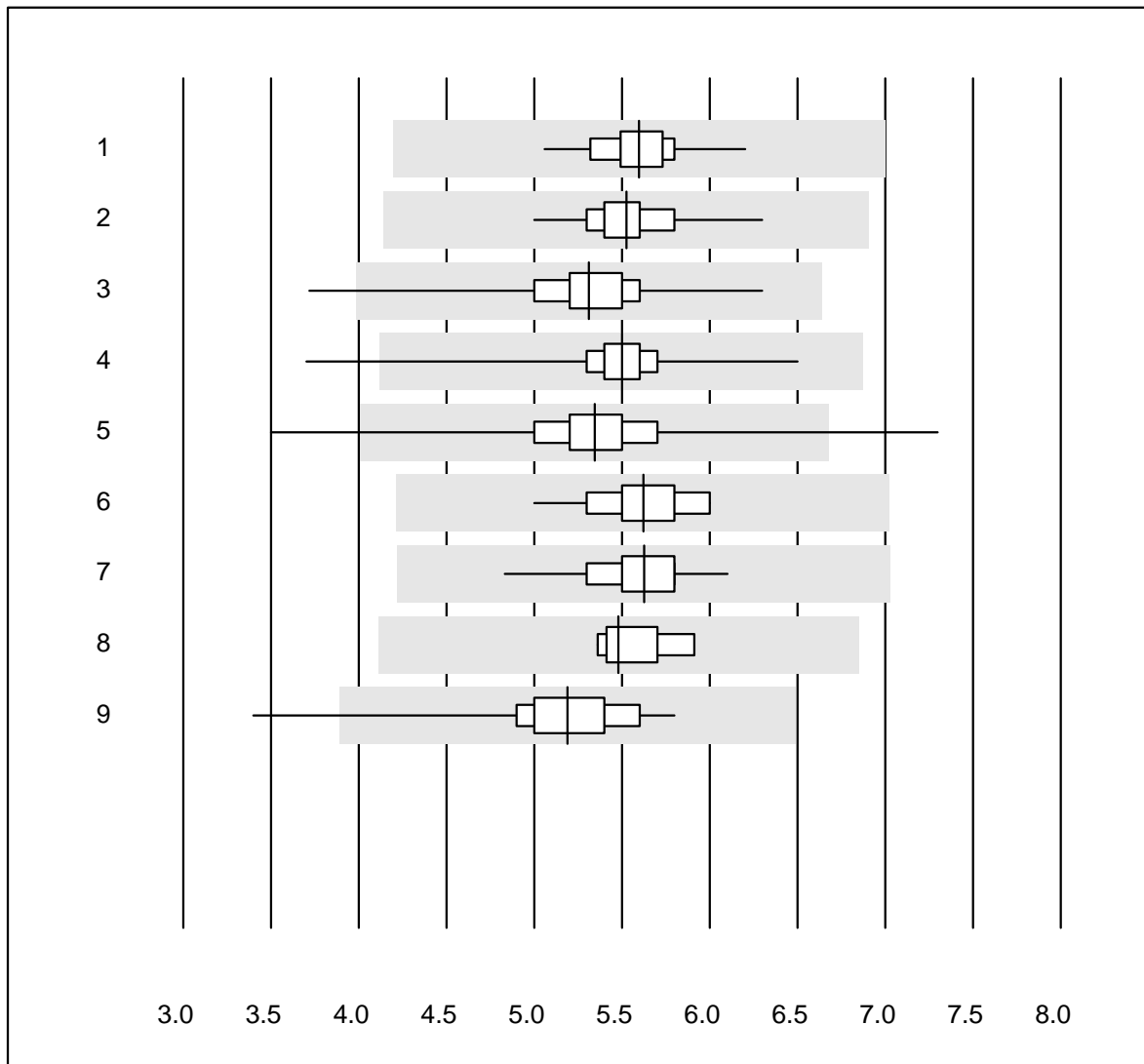
QUALAB tolerance : 25 %

Leucocytes (G/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Automat	6	100.0	0.0	0.0	5.50	8.4	e*
2	Microscopic	4	100.0	0.0	0.0	5.20	11.2	e*
3	Sysmex X	62	100.0	0.0	0.0	5.93	7.2	e

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

# Leucocytes



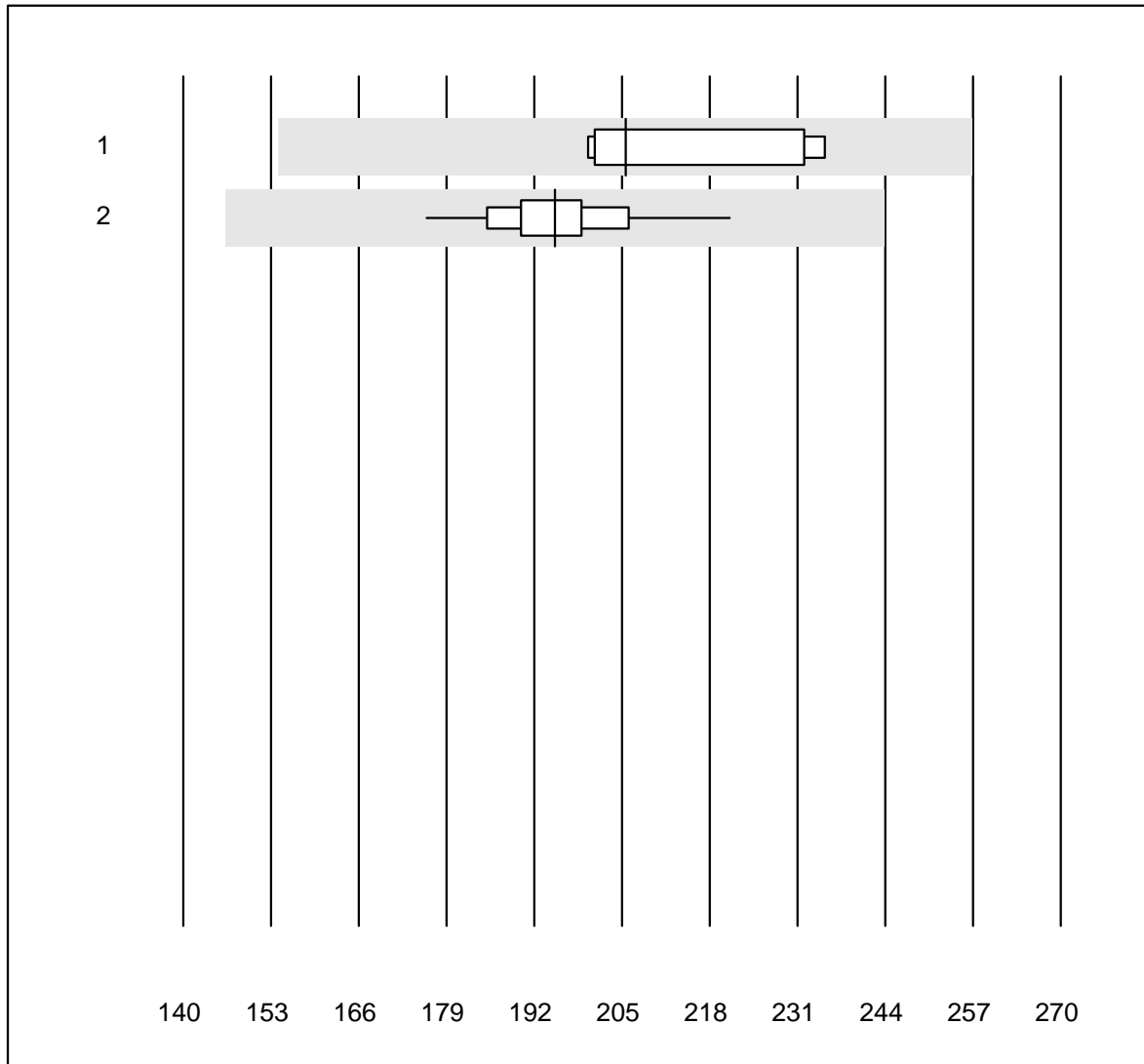
QUALAB tolerance : 25 %

Leucocytes (G/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Sysmex XQ-320	120	100.0	0.0	0.0	5.60	3.4	e
2	Sysmex KX21	97	100.0	0.0	0.0	5.52	3.9	e
3	Sysmex Poch - 100i	179	98.3	0.6	1.1	5.31	5.1	e
4	Sysmex XP 300	593	99.5	0.2	0.3	5.50	4.0	e
5	Mythic	224	98.2	0.9	0.9	5.34	6.2	e
6	Swelab	29	100.0	0.0	0.0	5.62	4.5	e
7	Celltac Alpha (Nihon	55	100.0	0.0	0.0	5.62	3.9	e
8	Samsung HC10	6	100.0	0.0	0.0	5.48	3.8	e
9	Micros 60	60	95.0	1.7	3.3	5.19	7.7	e

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

# Thrombocytes



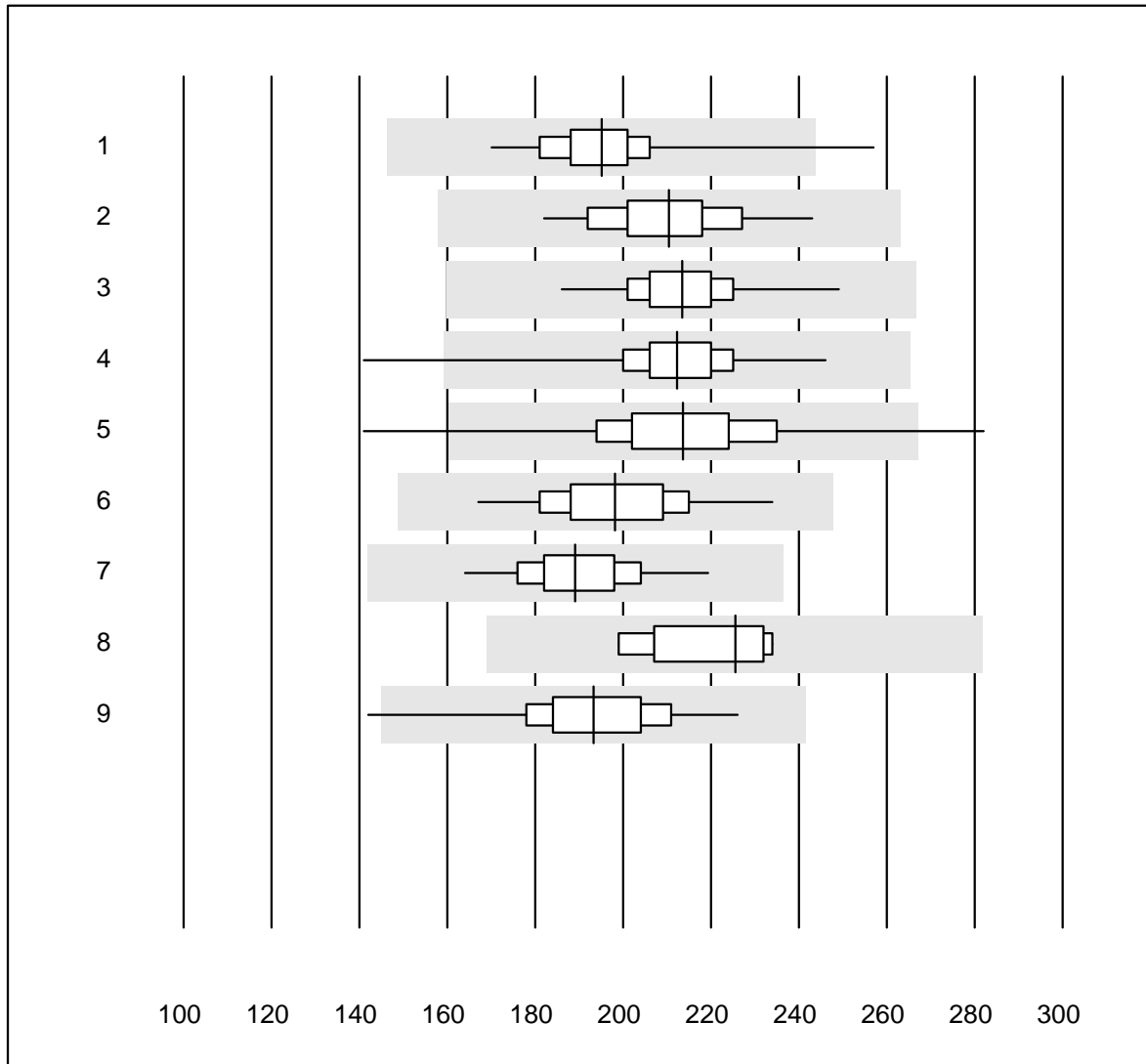
QUALAB tolerance : 25 %

Thrombocytes (G/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Automat	6	100.0	0.0	0.0	205.5	7.6	e*
2	Sysmex X	62	100.0	0.0	0.0	195.1	4.2	e

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

# Thrombocytes



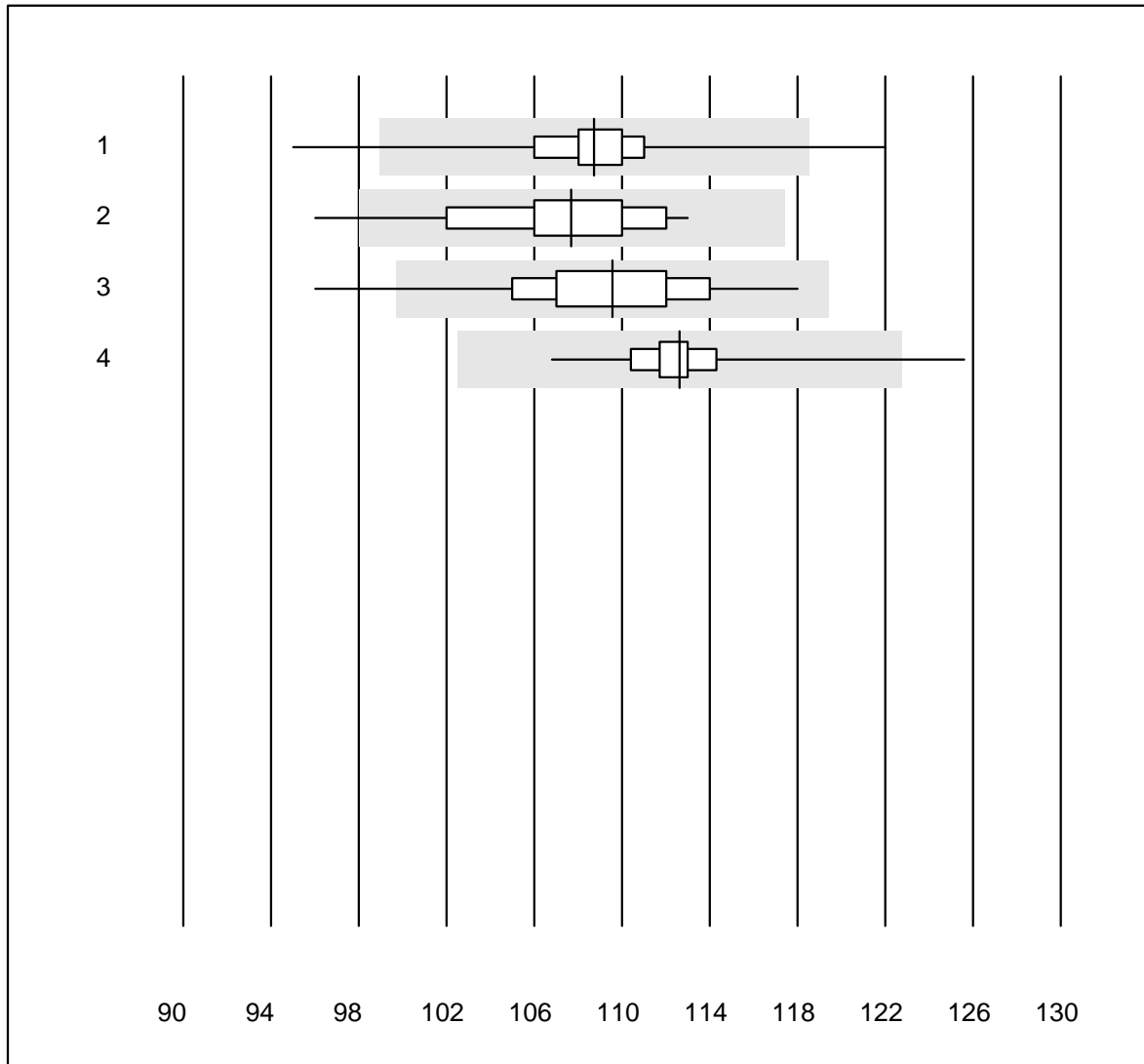
QUALAB tolerance : 25 %

Thrombocytes (G/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Sysmex XQ-320	120	99.2	0.8	0.0	195.2	5.9	e
2	Sysmex KX21	96	100.0	0.0	0.0	210.4	6.4	e
3	Sysmex PochH - 100i	179	99.4	0.0	0.6	213.4	4.7	e
4	Sysmex XP 300	593	99.0	0.7	0.3	212.3	5.5	e
5	Mythic	225	97.4	1.3	1.3	213.7	8.0	e
6	Swelab	29	93.1	0.0	6.9	198.2	7.4	e
7	Celltac Alpha (Nihon	55	96.4	0.0	3.6	189.1	6.1	e
8	Samsung HC10	6	100.0	0.0	0.0	225.5	6.6	e
9	Micros 60	60	93.3	1.7	5.0	193.2	7.8	e

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

## Hemoglobin H2



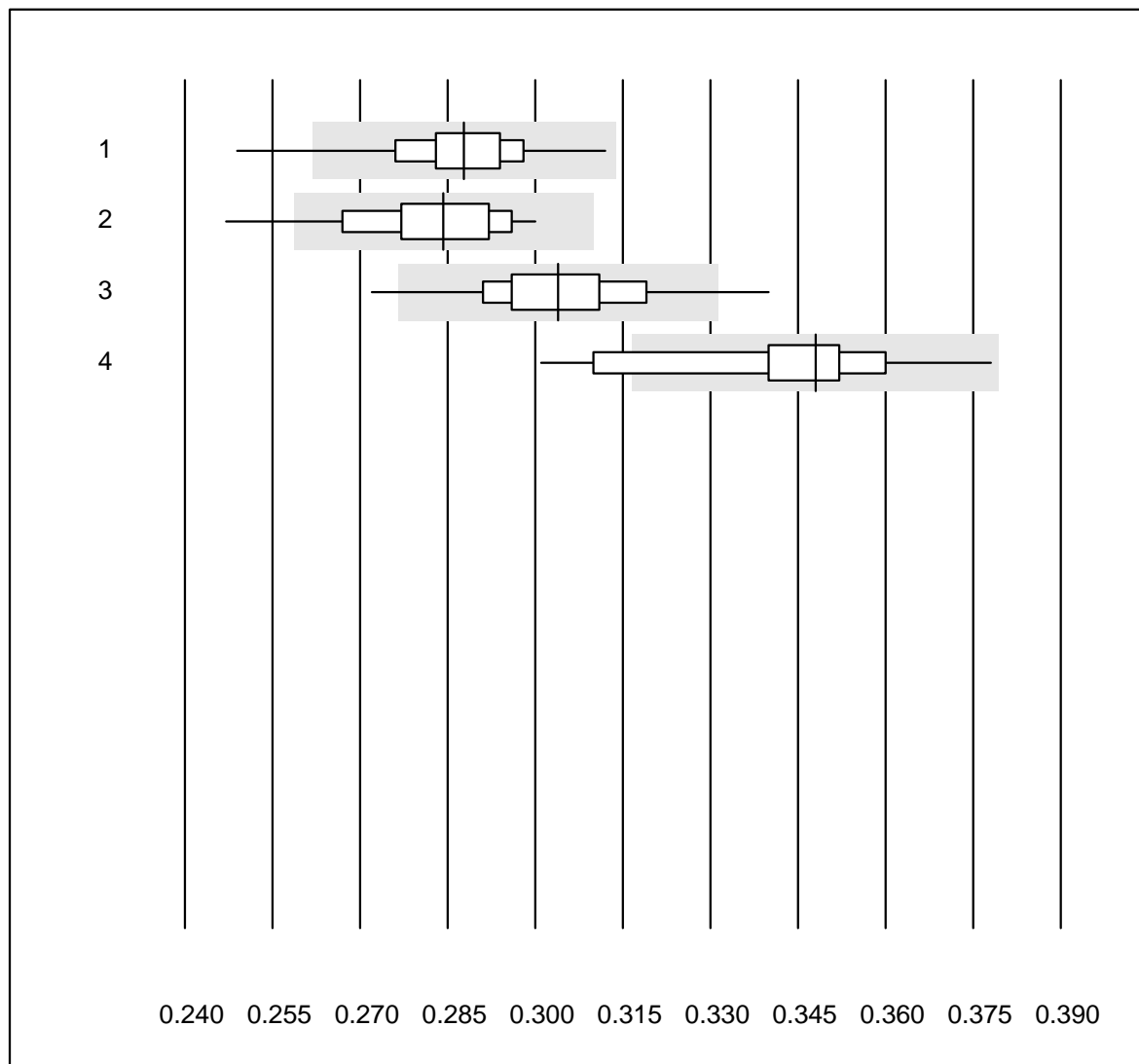
QUALAB tolerance : 9 %

Hemoglobin H2 (g/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Microsemi	907	95.4	1.5	3.1	108.7	2.6	e
2	Abx Micros	41	90.2	4.9	4.9	107.7	3.8	e
3	Z3	233	94.4	0.4	5.2	109.6	3.3	e
4	MEK-1303/5	29	96.6	3.4	0.0	112.6	2.6	e



## Hematocrit H2

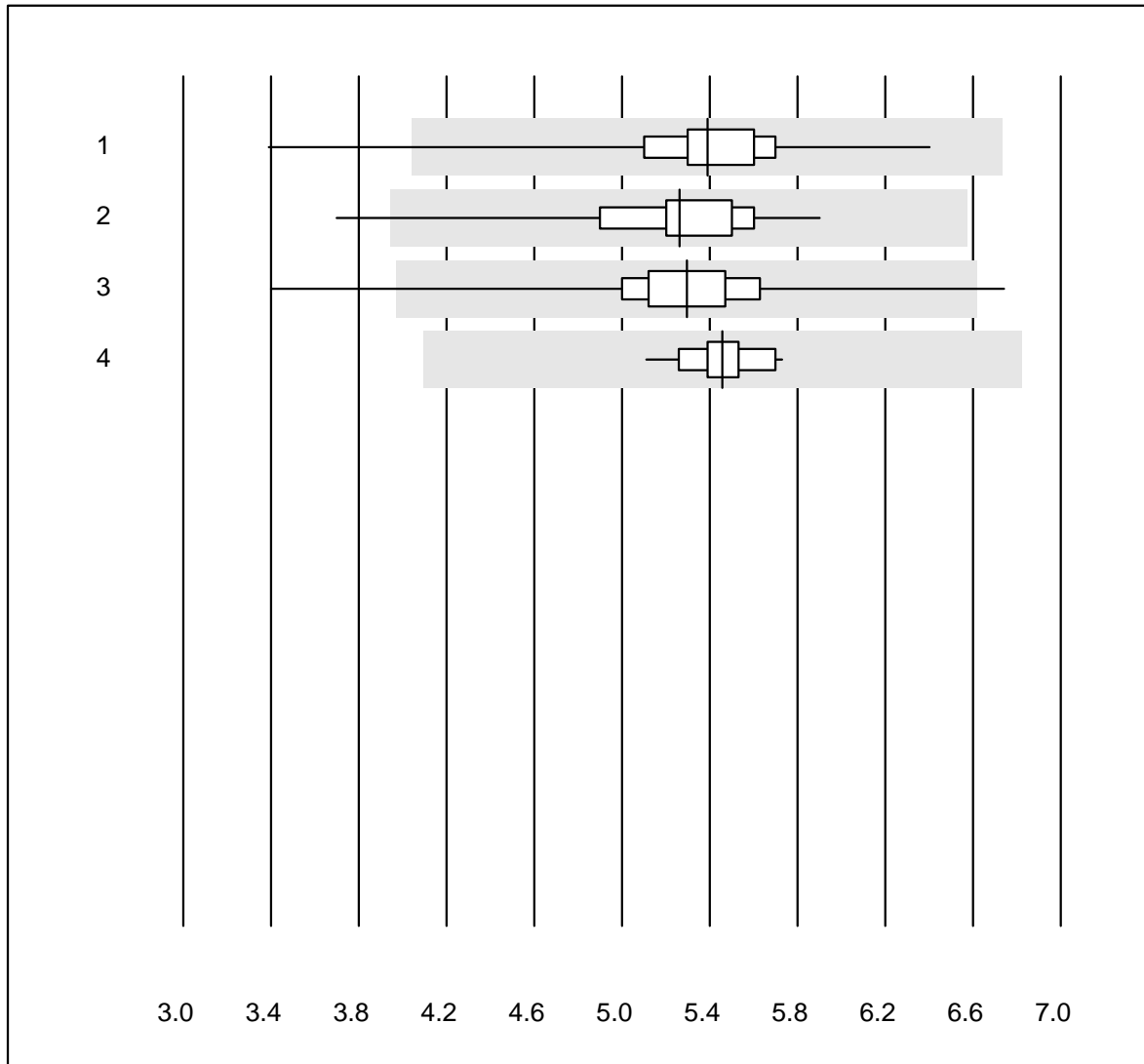


QUALAB tolerance : 9 %

Hematocrit H2 (l/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 Microsemi	907	95.0	1.8	3.2	0.29	3.3	e
2 Abx Micros	41	90.3	7.3	2.4	0.28	4.3	e
3 Z3	233	93.1	1.7	5.2	0.30	3.7	e
4 MEK-1303/5	29	89.7	10.3	0.0	0.35	4.6	e

## Leucocytes H2

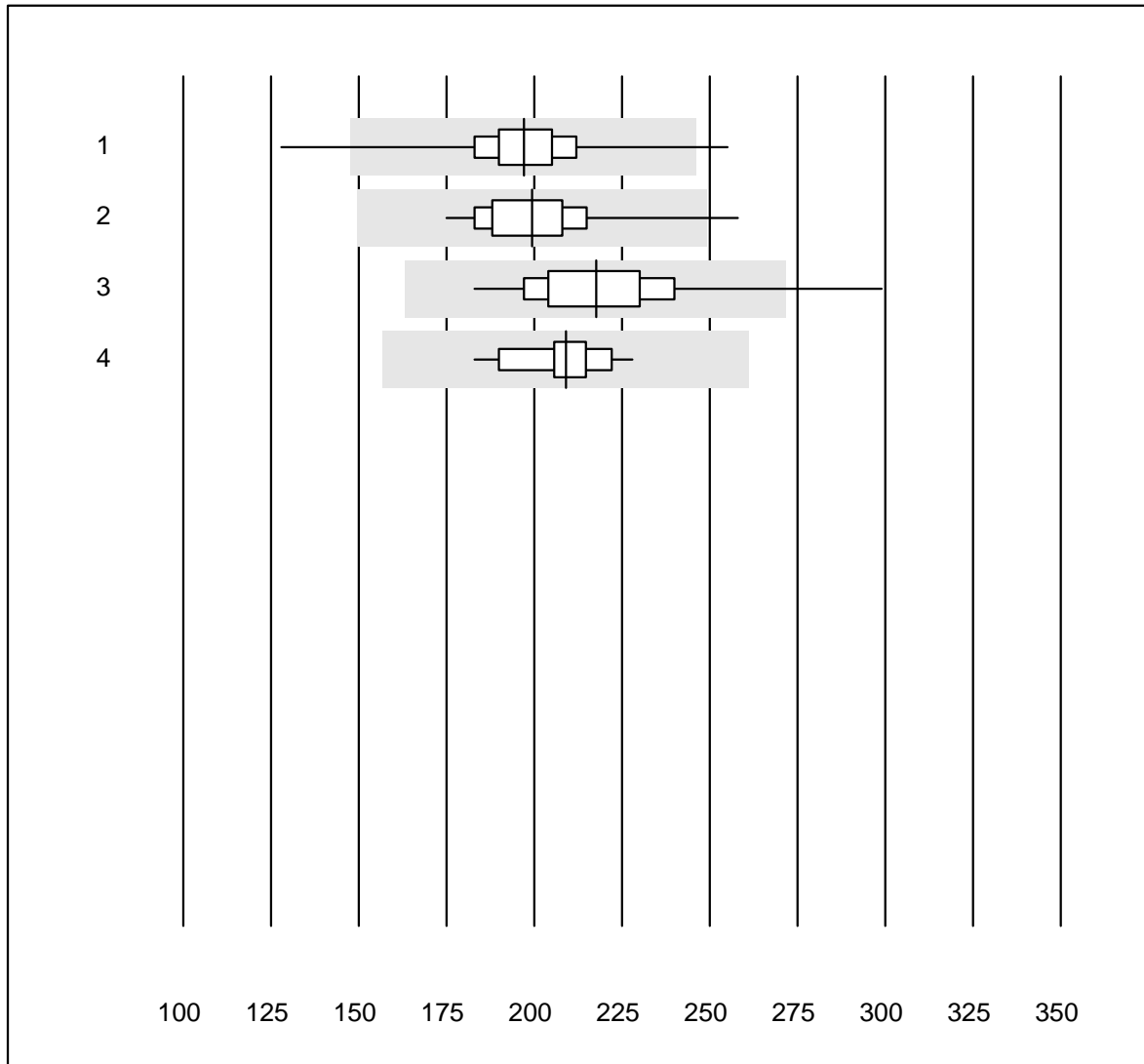


QUALAB tolerance : 25 %

Leucocytes H2 (G/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Microsemi	906	98.7	0.7	0.6	5.39	5.2	e
2	Abx Micros	41	97.6	2.4	0.0	5.26	8.0	e
3	Z3	233	97.4	1.3	1.3	5.29	6.1	e
4	MEK-1303/5	29	100.0	0.0	0.0	5.46	2.6	e

## Thrombocytes H2

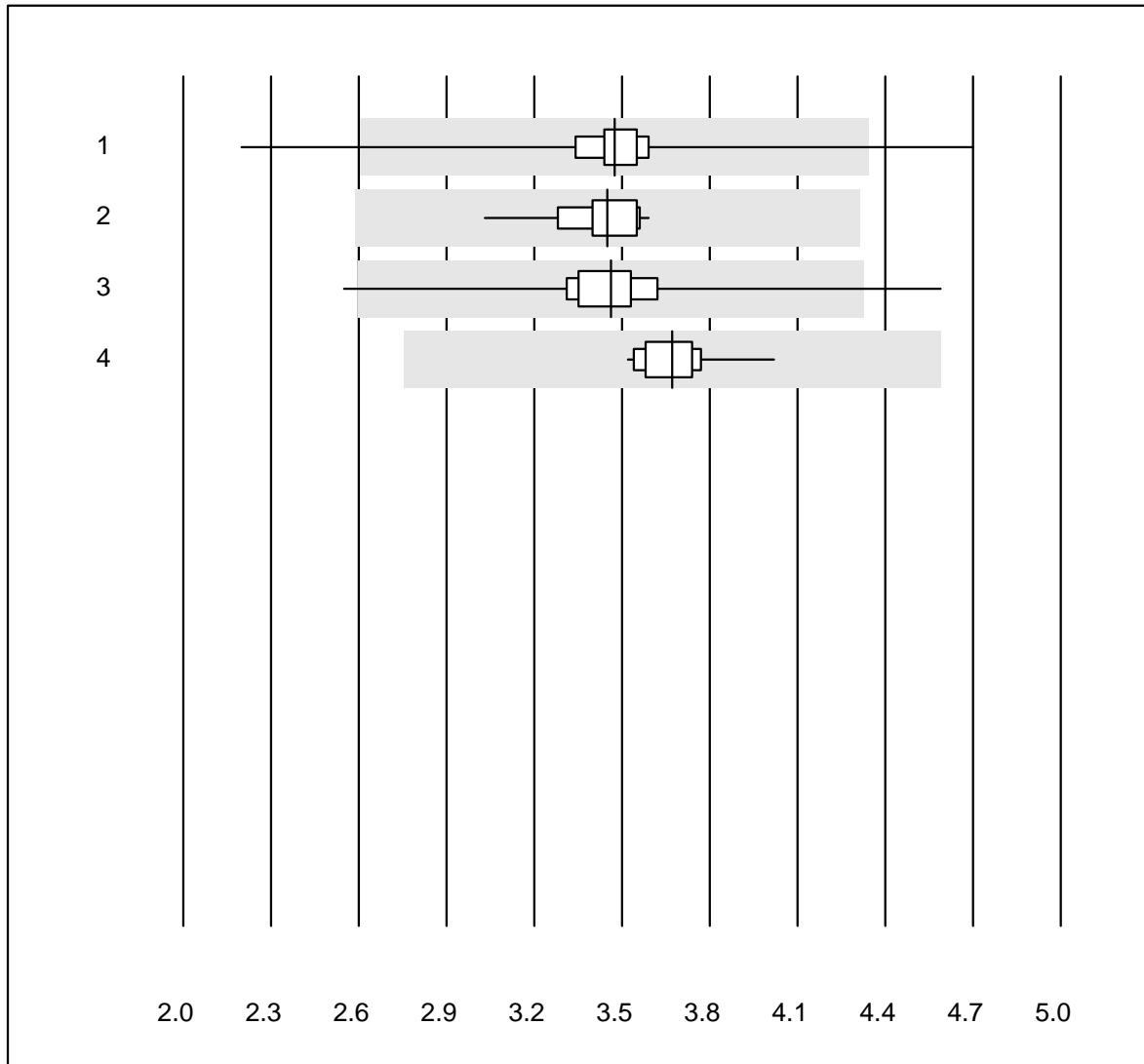


QUALAB tolerance : 25 %

Thrombocytes H2 (G/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Microsemi	907	98.3	0.9	0.8	197.0	6.7	e
2	Abx Micros	41	95.2	2.4	2.4	199.4	8.3	e
3	Z3	233	95.3	0.4	4.3	217.5	7.8	e
4	MEK-1303/5	29	100.0	0.0	0.0	209.0	5.3	e

## Erythrocytes H2

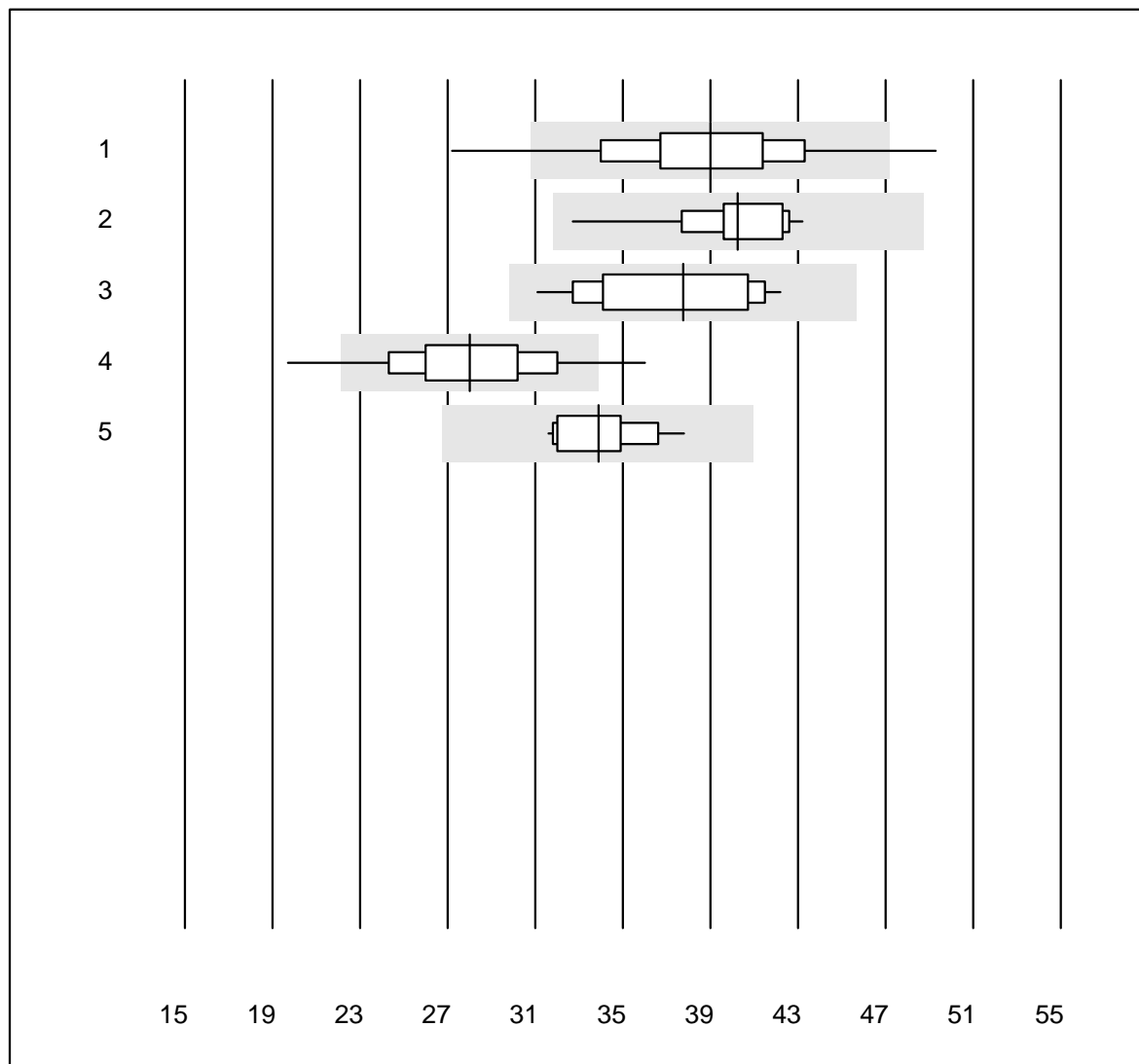


QUALAB tolerance : 25 %

Erythrocytes H2 (T/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Microsemi	907	97.5	0.8	1.7	3.48	4.6	e
2	Abx Micros	41	95.1	0.0	4.9	3.45	3.7	e
3	Z3	233	95.3	1.7	3.0	3.46	5.7	e
4	MEK-1303/5	29	100.0	0.0	0.0	3.67	2.8	e

## CRP H2

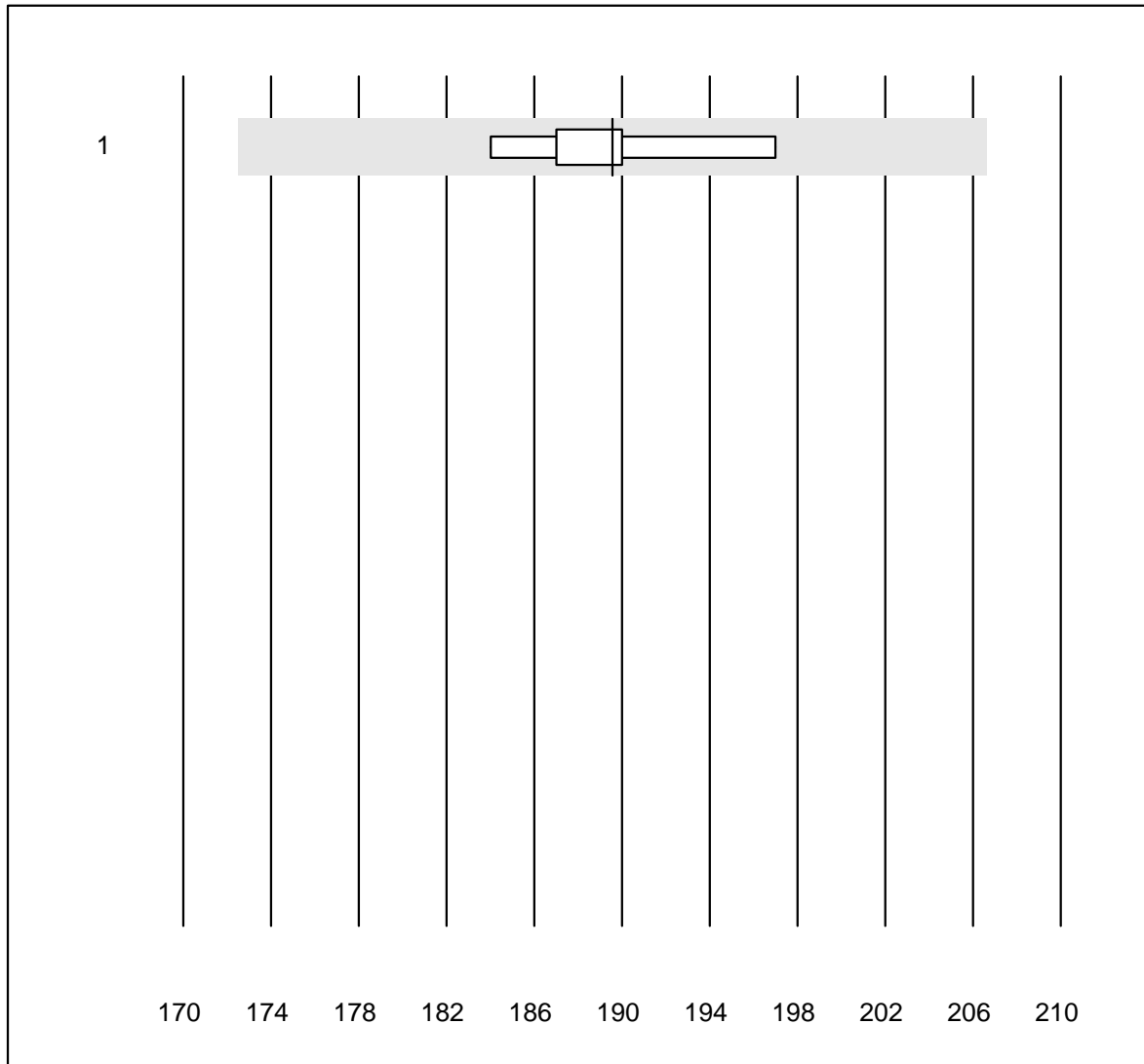


QUALAB tolerance : 21 %

CRP H2 (mg/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Microsemi	891	93.5	2.8	3.7	39.0	9.5	e
2	Abx Micros	11	100.0	0.0	0.0	40.3	7.3	e
3	ABX Micros CRP200	29	93.1	0.0	6.9	37.8	8.8	e
4	Z3	215	89.7	5.6	4.7	28.0	10.7	e
5	MEK-1303/5	14	100.0	0.0	0.0	33.9	5.9	e

## Hemoglobin BG

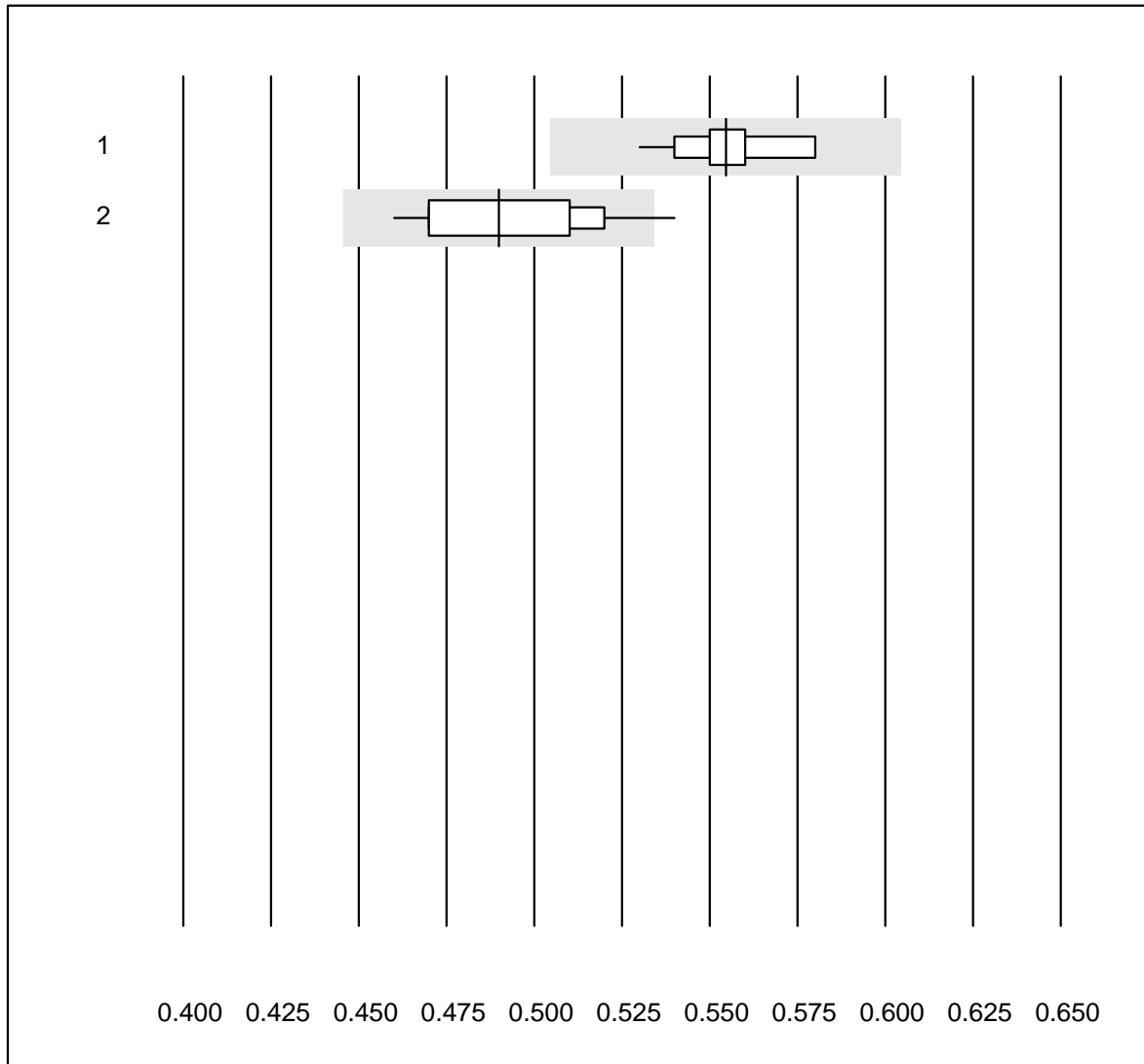


QUALAB tolerance : 9 %

Hemoglobin BG (g/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 iStat	11	81.8	0.0	18.2	189.6	2.1	e

## Hematocrit

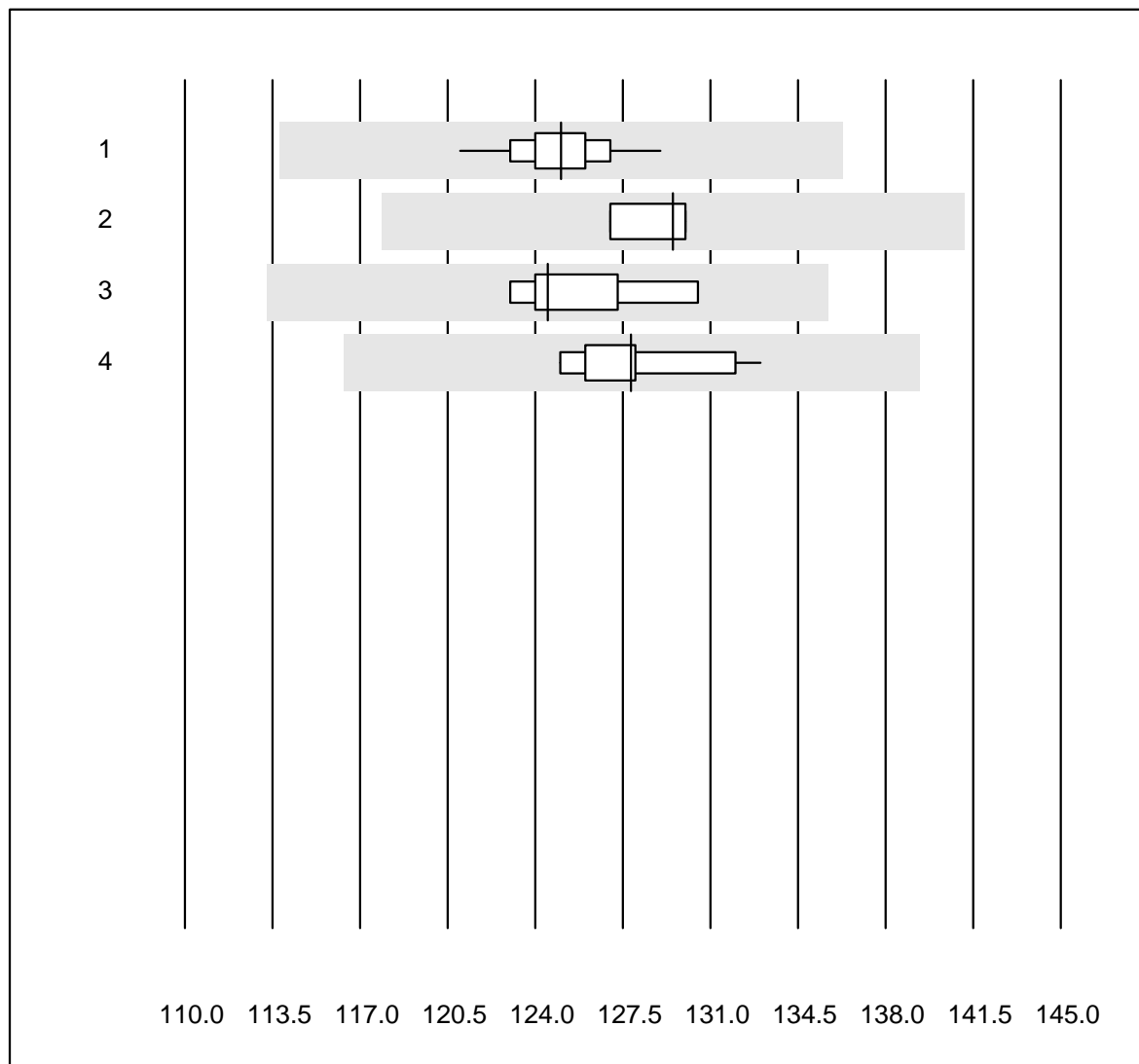


QUALAB tolerance : 9 %

Hematocrit (l/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 iStat	16	81.2	0.0	18.8	0.55	2.7	e
2 EPOC	13	84.6	7.7	7.7	0.49	5.1	e*

# Hemoglobin



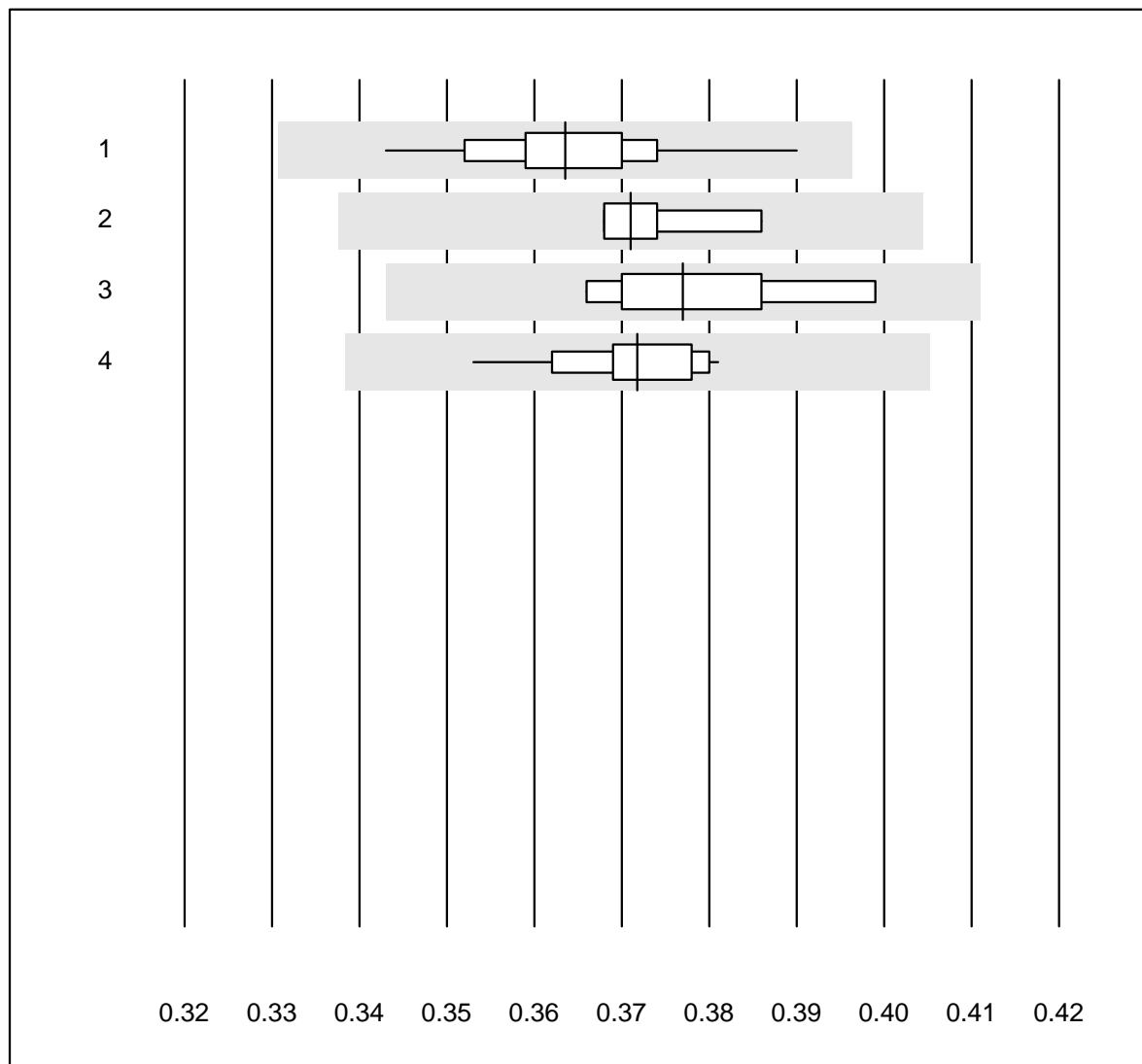
QUALAB tolerance : 9 %

Hemoglobin (g/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 Sysmex	118	100.0	0.0	0.0	125.0	1.3	e
2 Advia	4	100.0	0.0	0.0	129.5	1.1	e
3 Beckman	5	100.0	0.0	0.0	124.5	2.4	e*
4 Yumizen/Pentra	12	100.0	0.0	0.0	127.8	1.9	e



## Hematocrit

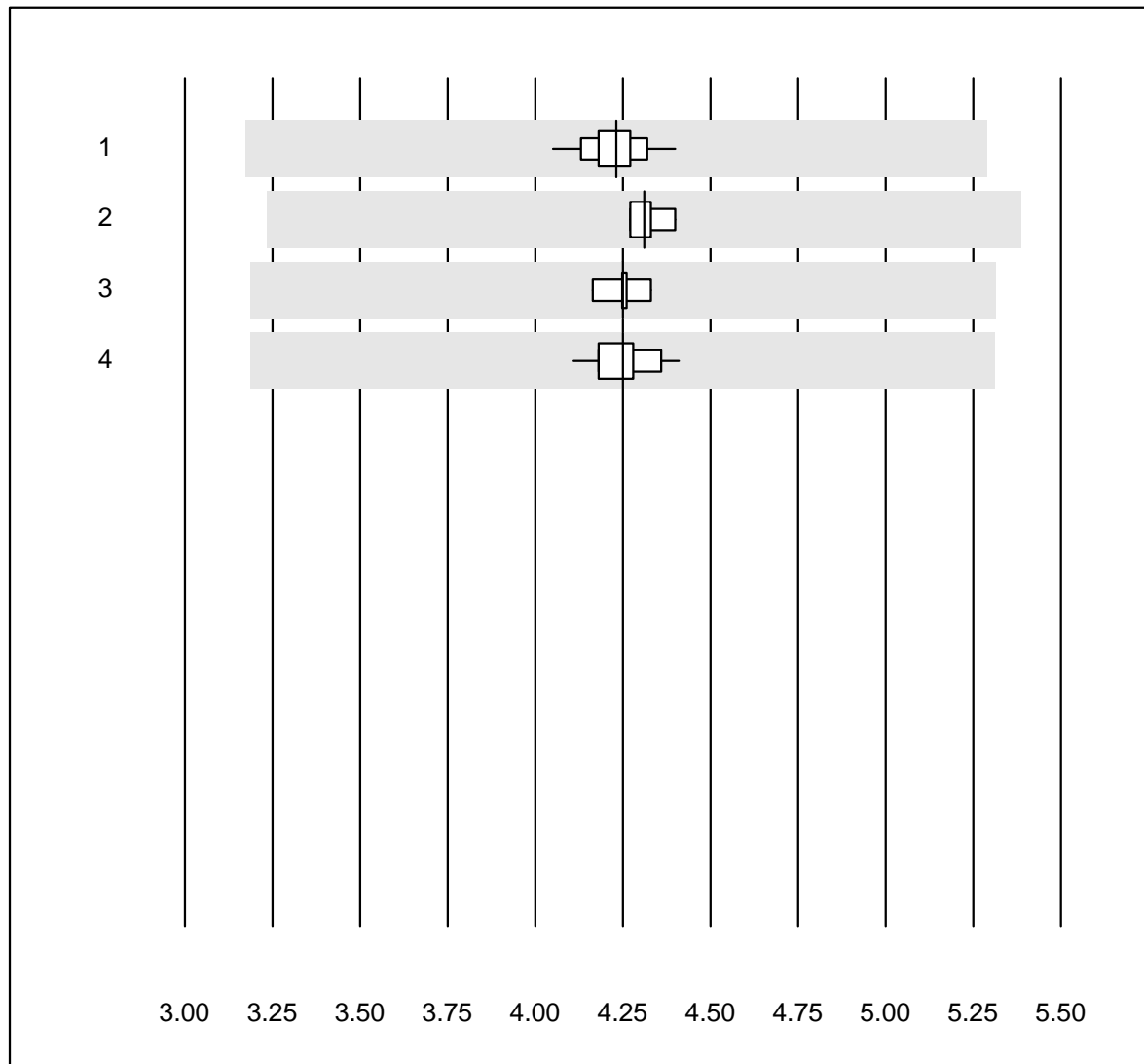


QUALAB tolerance : 9 %

Hematocrit (l/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 Sysmex	120	99.2	0.0	0.8	0.36	2.4	e
2 Advia	4	100.0	0.0	0.0	0.37	2.3	e*
3 Beckman	5	100.0	0.0	0.0	0.38	3.5	e*
4 Yumizen/Pentra	12	100.0	0.0	0.0	0.37	2.2	e

# Erythrocytes

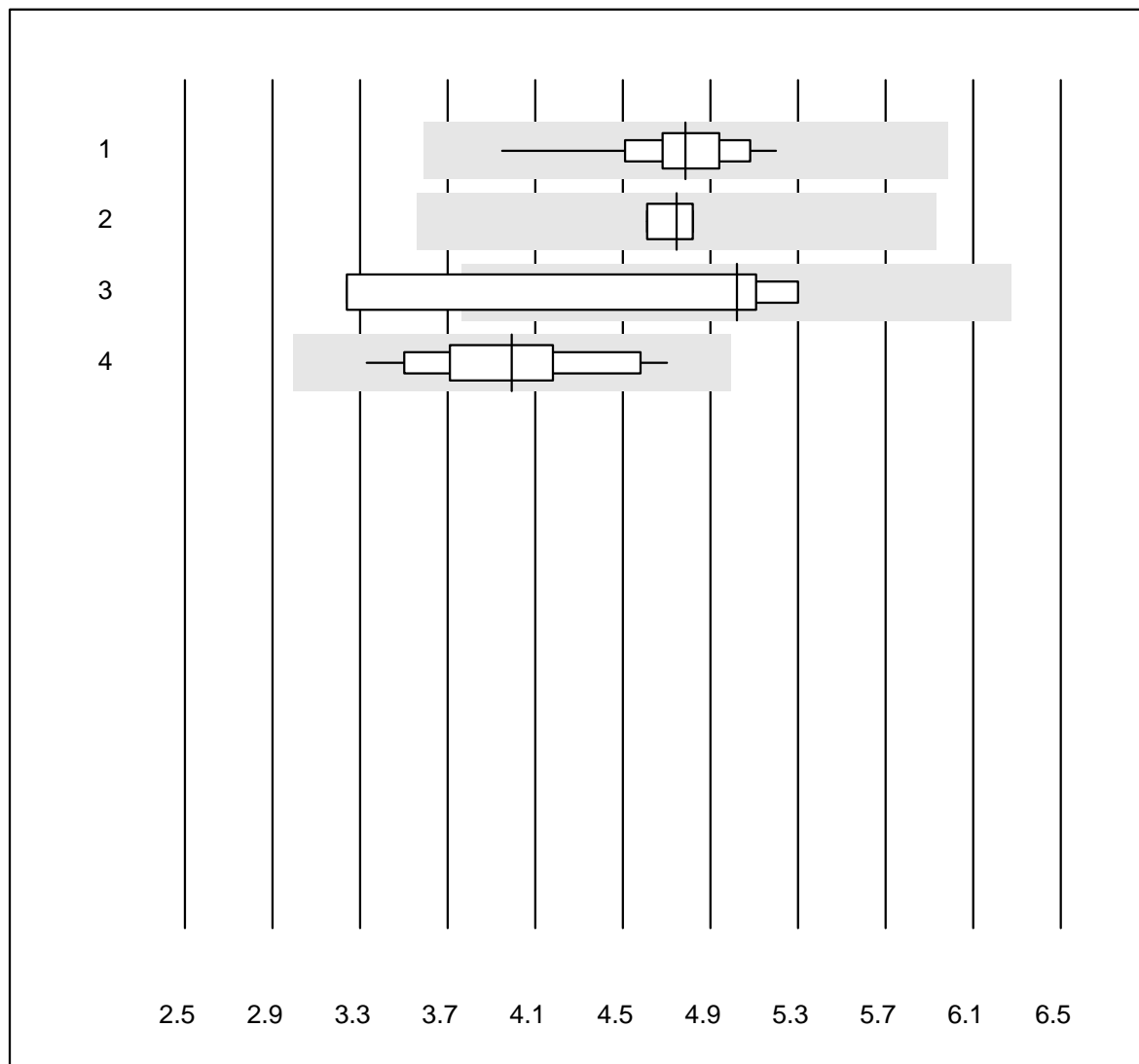


QUALAB tolerance : 25 %

Erythrocytes (T/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Sysmex	119	100.0	0.0	0.0	4.23	1.7	e
2	Advia	4	100.0	0.0	0.0	4.31	1.3	e
3	Beckman	5	100.0	0.0	0.0	4.25	1.4	e
4	Yumizen/Pentra	12	100.0	0.0	0.0	4.25	2.0	e

# Leucocytes

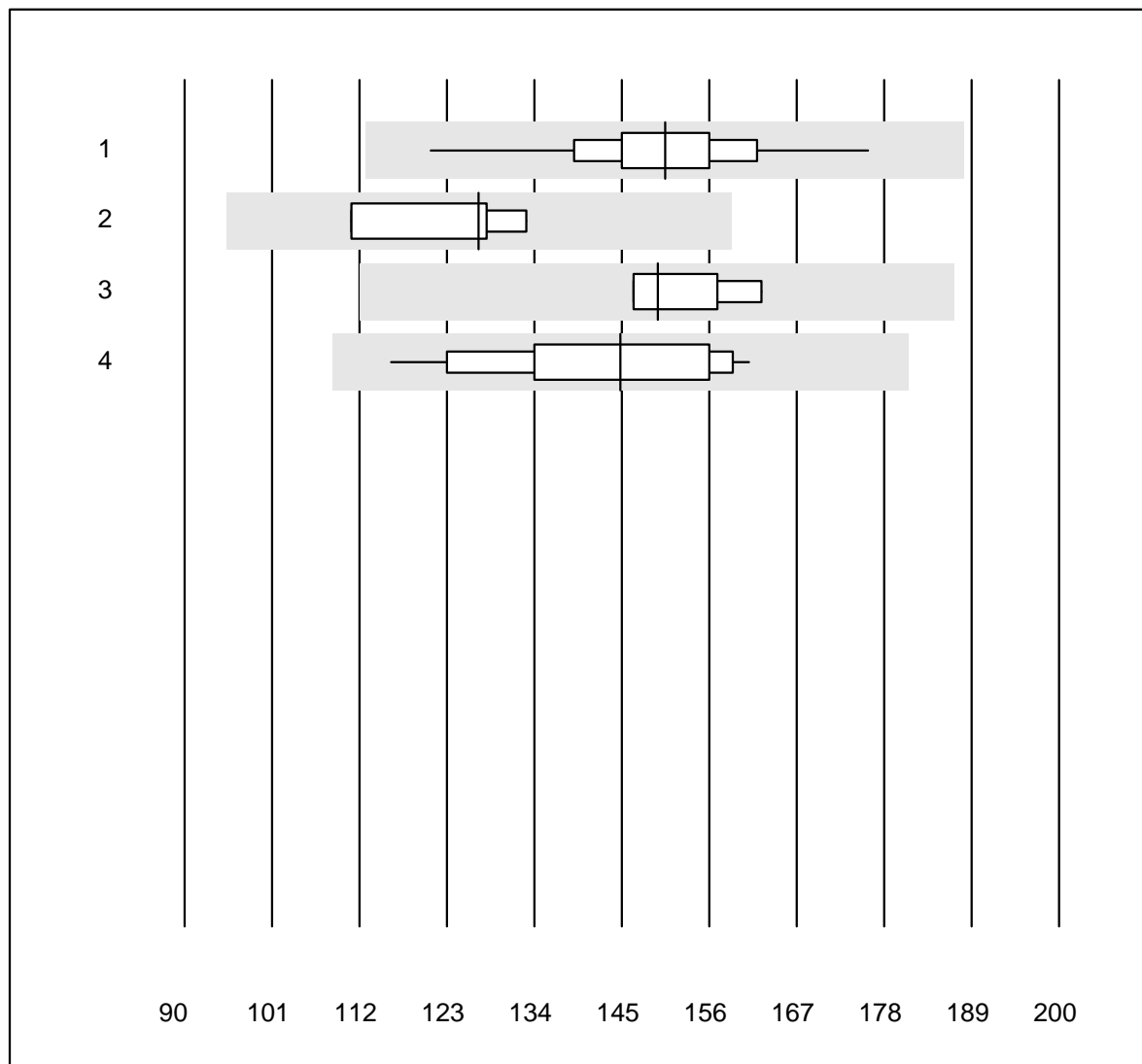


QUALAB tolerance : 25 %

Leucocytes (G/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Sysmex	119	100.0	0.0	0.0	4.79	4.7	e
2	Advia	4	100.0	0.0	0.0	4.75	2.3	e
3	Beckman	5	60.0	20.0	20.0	5.02	20.5	e*
4	Yumizen/Pentra	12	100.0	0.0	0.0	3.99	10.0	e

# Thrombocytes

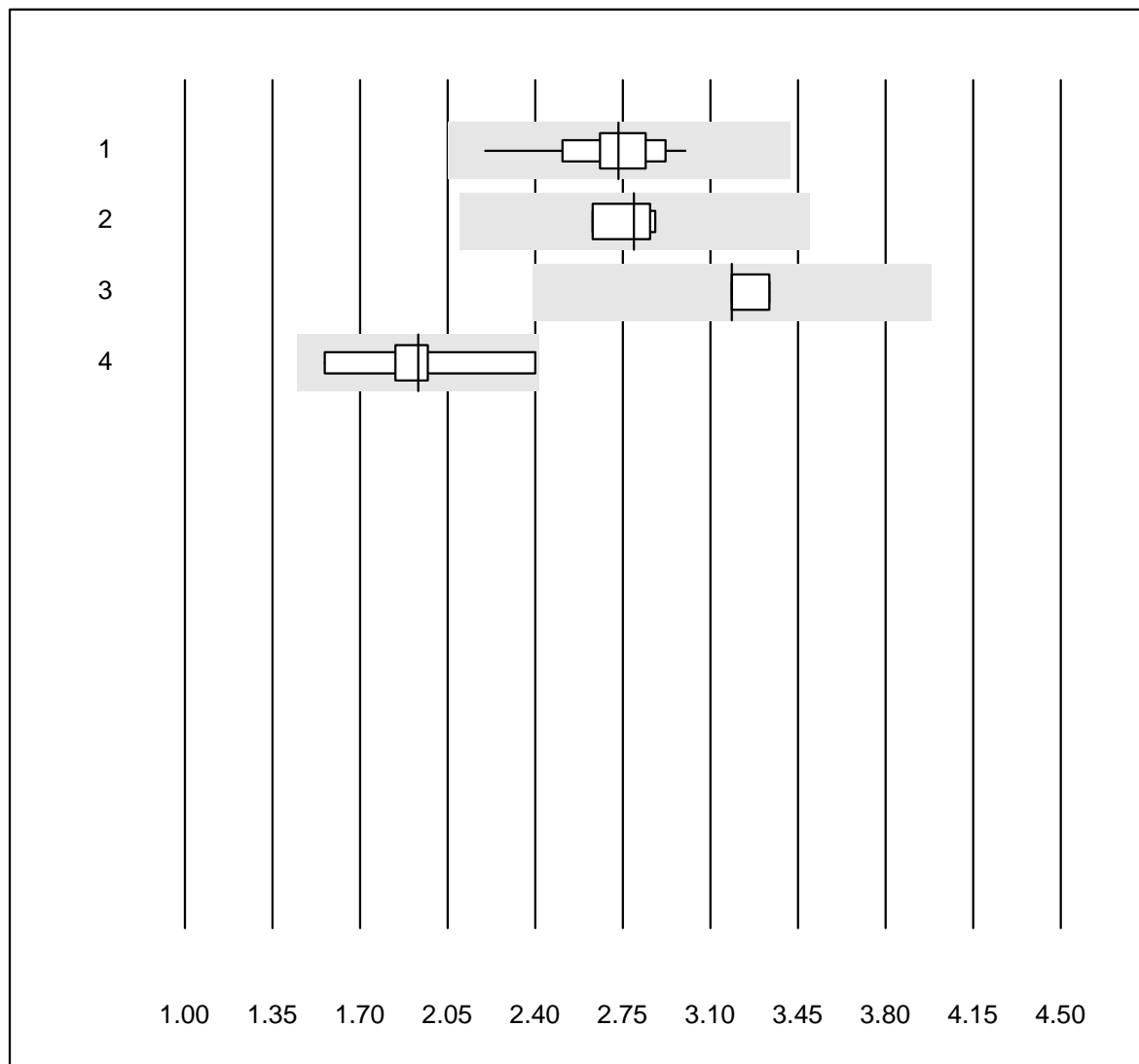


QUALAB tolerance : 25 %

Thrombocytes (G/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Sysmex	118	100.0	0.0	0.0	150.4	6.1	e
2	Advia	4	100.0	0.0	0.0	127.0	7.6	e*
3	Beckman	5	100.0	0.0	0.0	149.5	4.7	e
4	Yumizen/Pentra	12	100.0	0.0	0.0	144.8	10.0	e

## Neutrophils

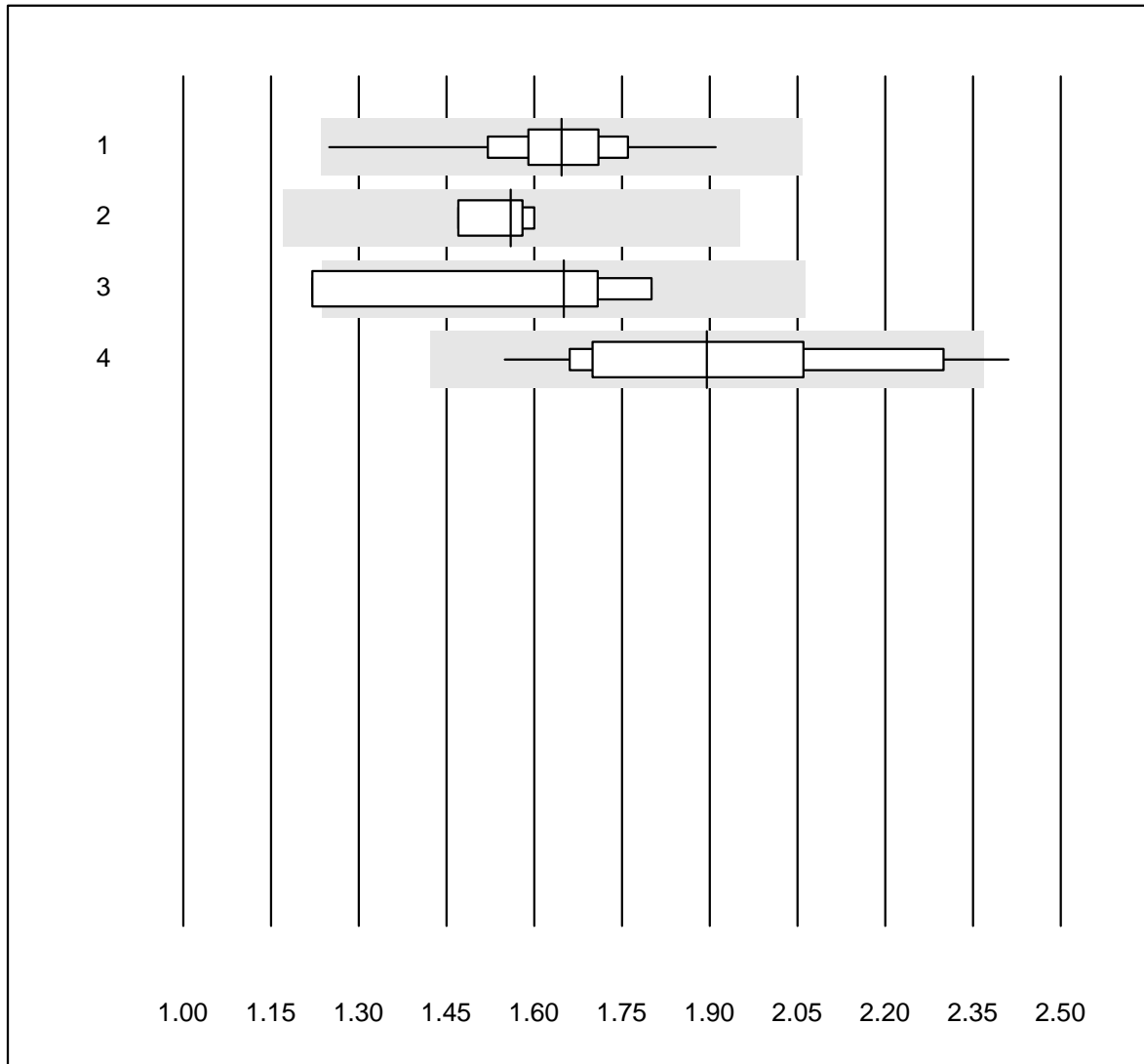


MQ tolerance : 25 %

Neutrophils (G/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Sysmex	120	100.0	0.0	0.0	2.73	5.6	e
2	Advia	4	100.0	0.0	0.0	2.80	4.2	e
3	Beckman	5	60.0	0.0	40.0	3.19	2.4	e
4	Yumizen/Pentra	11	81.8	0.0	18.2	1.93	13.2	e*

## Lymphocytes

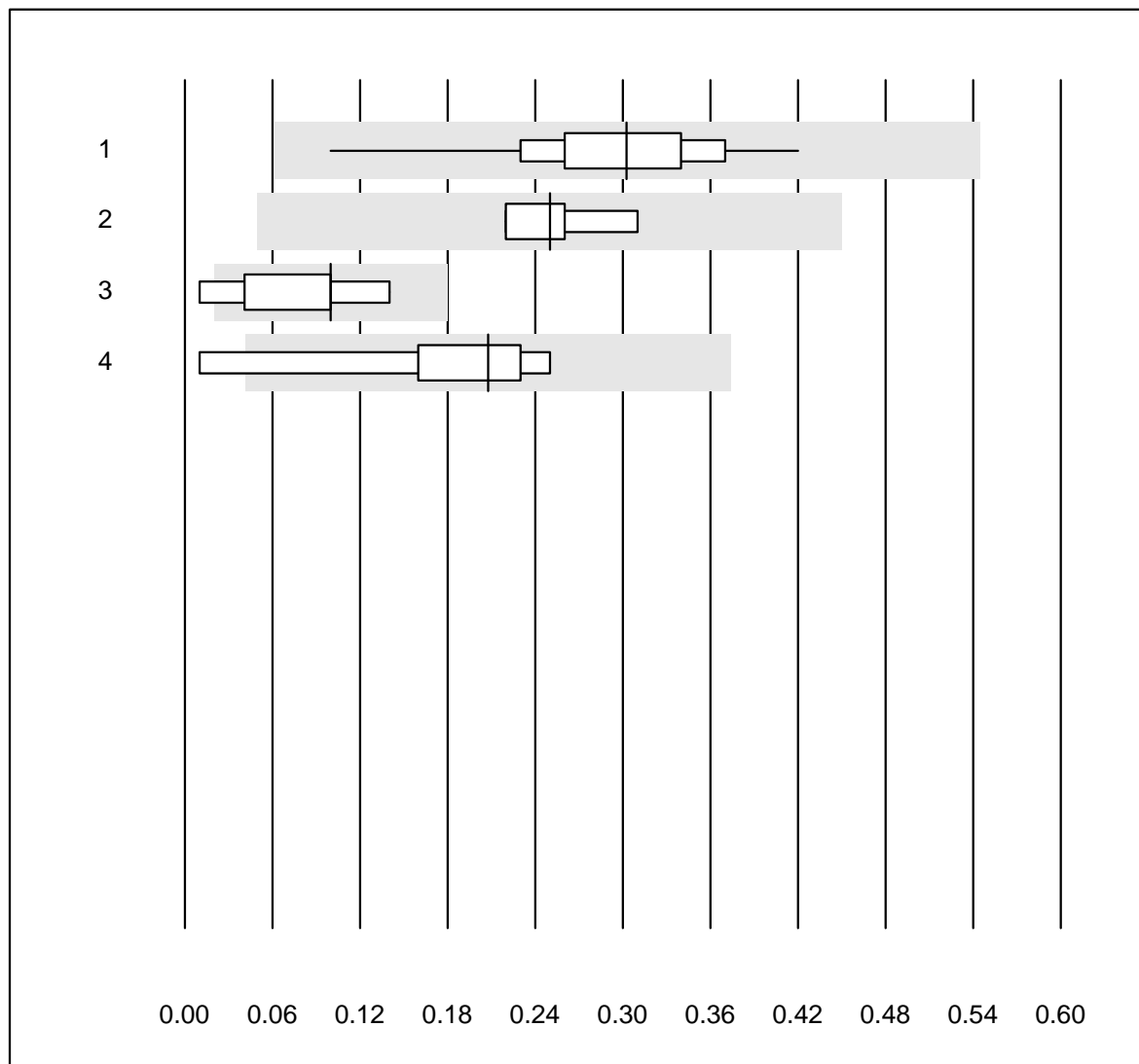


MQ tolerance : 25 %

Lymphocytes (G/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Sysmex	120	100.0	0.0	0.0	1.65	6.1	e
2	Advia	4	100.0	0.0	0.0	1.56	3.7	e
3	Beckman	5	60.0	20.0	20.0	1.65	16.1	e*
4	Yumizen/Pentra	11	90.9	9.1	0.0	1.90	13.9	e*

## Monocytes

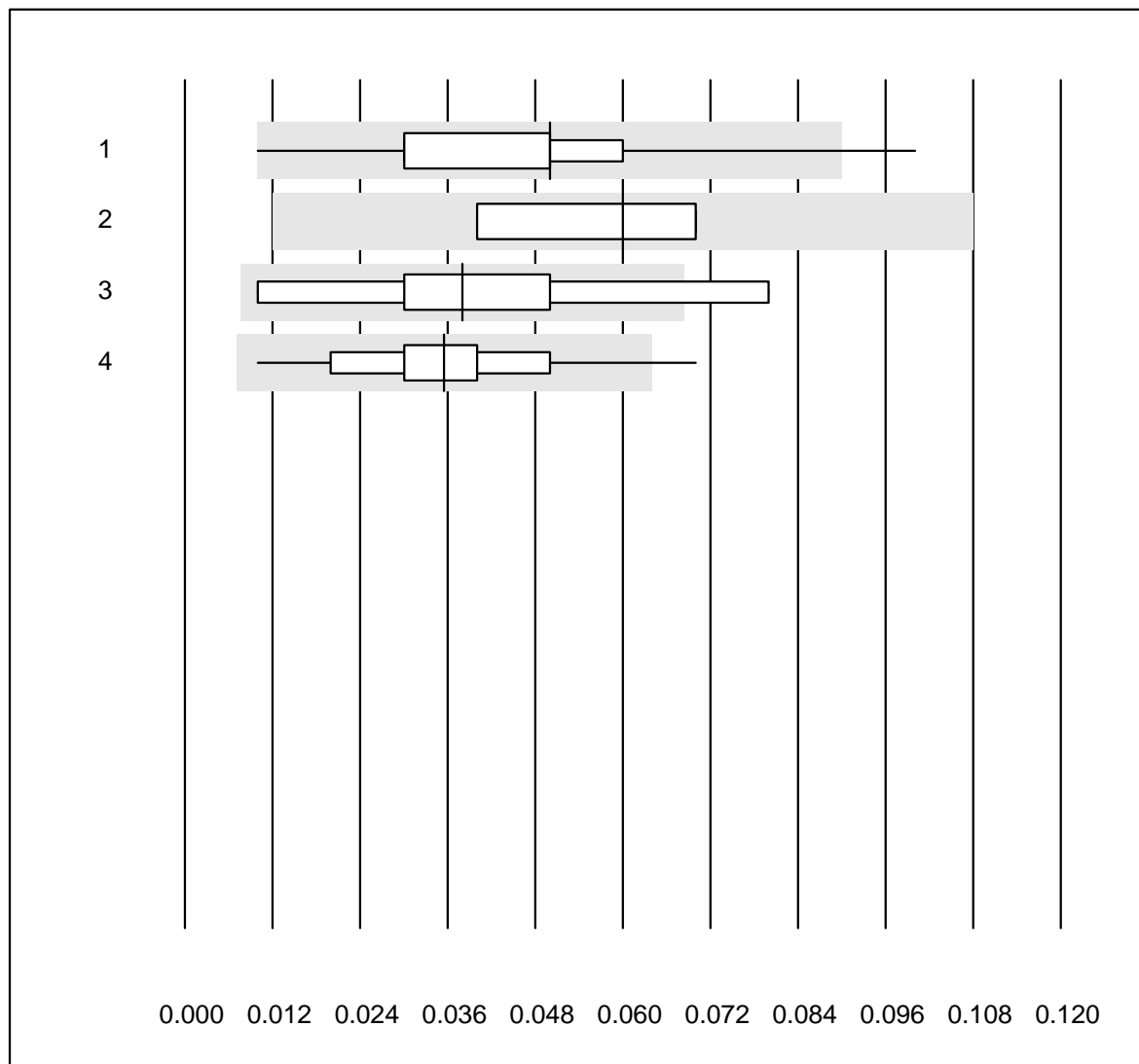


MQ tolerance : 80 %

Monocytes (G/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Sysmex	120	100.0	0.0	0.0	0.30	19.2	a
2	Advia	4	100.0	0.0	0.0	0.25	15.0	a
3	Beckman	5	80.0	20.0	0.0	0.10	68.9	a
4	Yumizen/Pentra	11	81.8	9.1	9.1	0.21	38.1	a

## Eosinophils



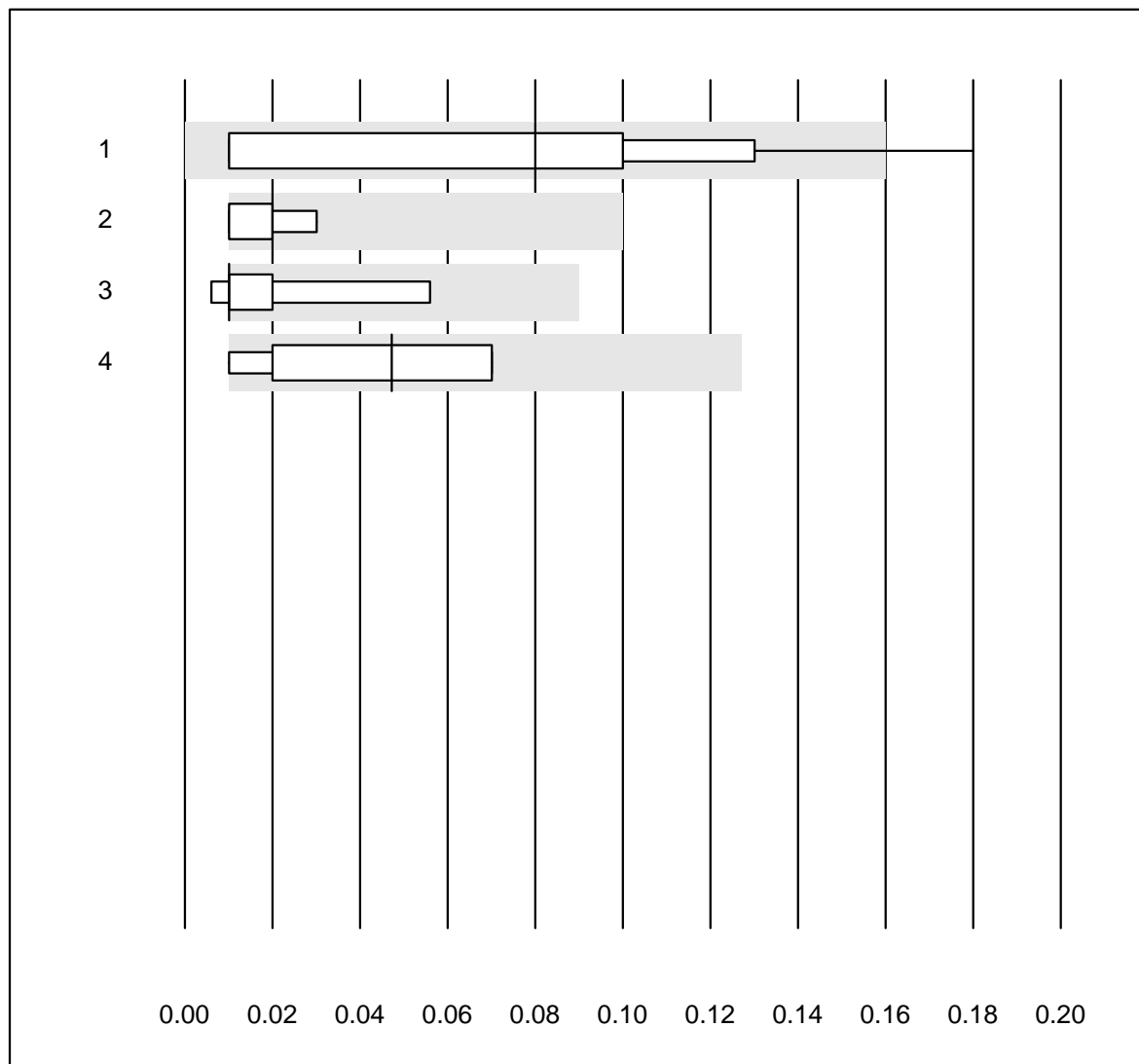
MQ tolerance : 80 %

Eosinophils (G/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Sysmex	119	96.6	3.4	0.0	0.05	36.8	a
2	Advia	4	100.0	0.0	0.0	0.06	26.1	e*
3	Beckman	5	80.0	20.0	0.0	0.04	62.4	e*
4	Yumizen/Pentra	11	90.9	9.1	0.0	0.04	44.4	e*



## Basophiles

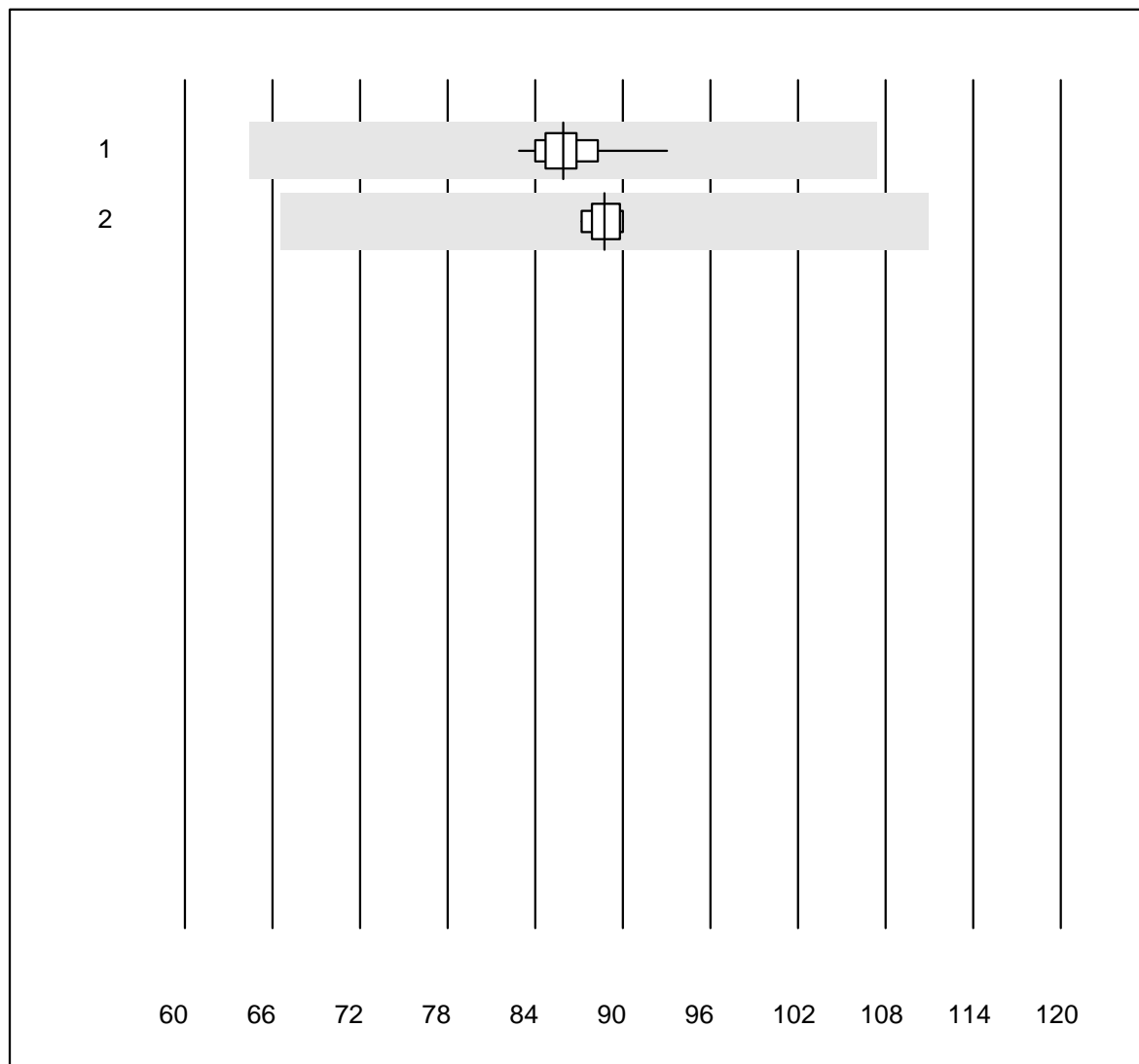


MQ tolerance : 80 %  
 (< 0.10: +/- 0.08 G/l)

Basophiles (G/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 Sysmex	118	94.9	3.4	1.7	0.08	86.6	a
2 Advia	4	100.0	0.0	0.0	0.02	40.8	e*
3 Beckman	5	100.0	0.0	0.0	0.01	100.8	e*
4 Yumizen/Pentra	11	100.0	0.0	0.0	0.05	50.1	e*

# MCV



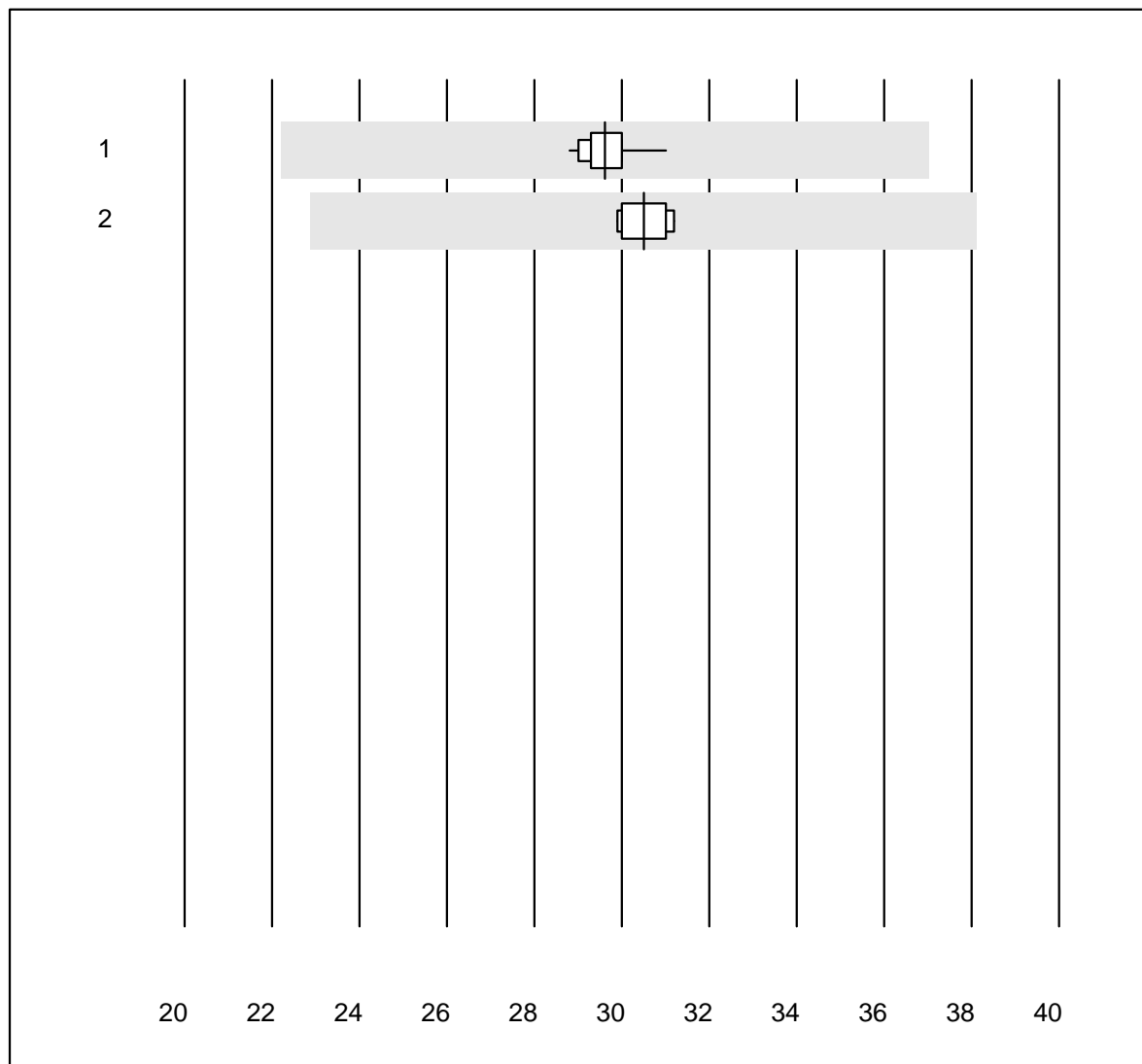
MQ tolerance : 25 %

MCV (fl)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Sysmex	109	100.0	0.0	0.0	85.9	2.1	e
2	Yumizen/Pentra	8	100.0	0.0	0.0	88.8	1.2	e

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

# MCH



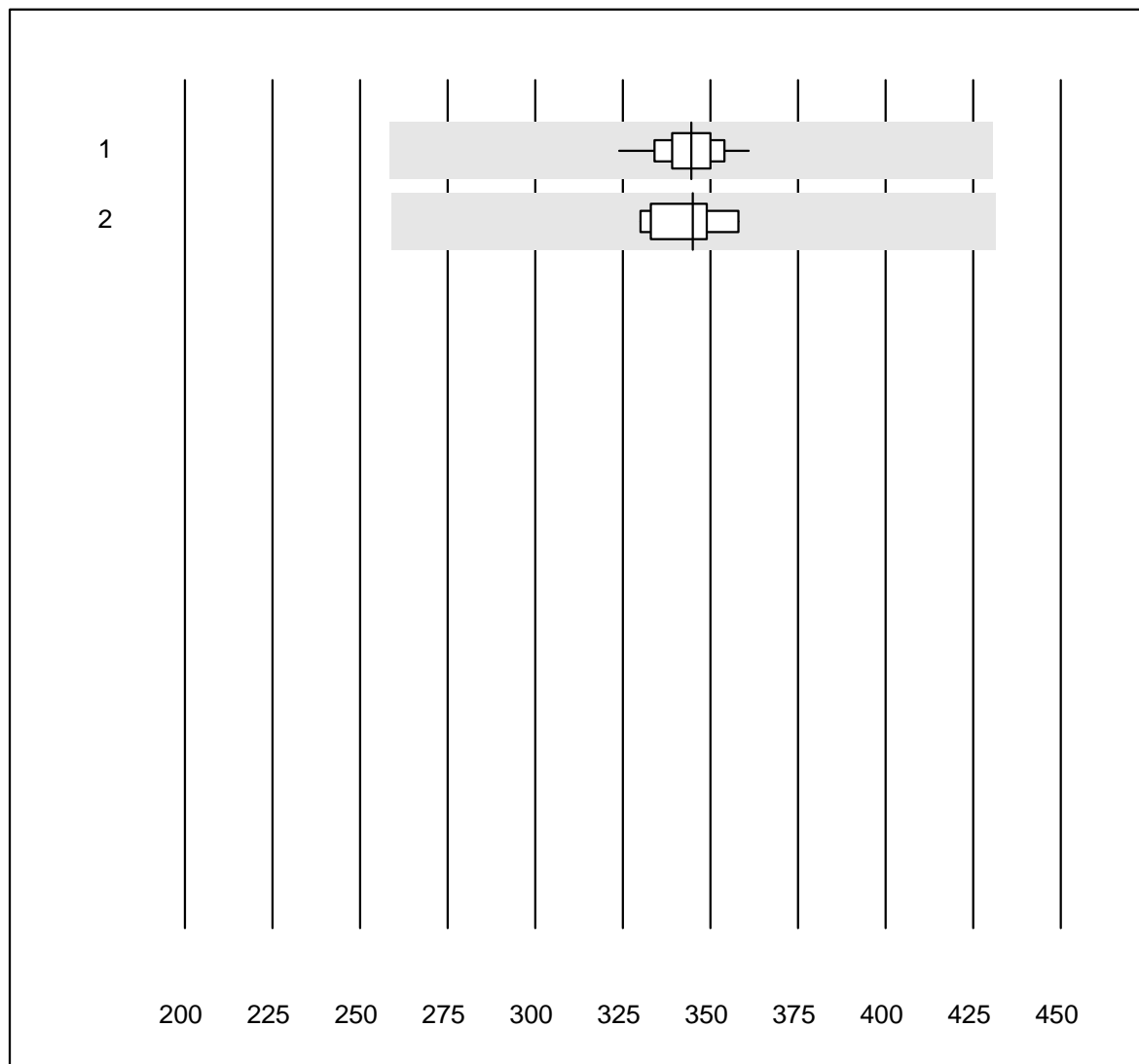
MQ tolerance : 25 %

MCH (pg)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Sysmex	109	99.1	0.0	0.9	29.6	1.4	e
2	Yumizen/Pentra	9	100.0	0.0	0.0	30.5	1.7	e

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

# MCHC



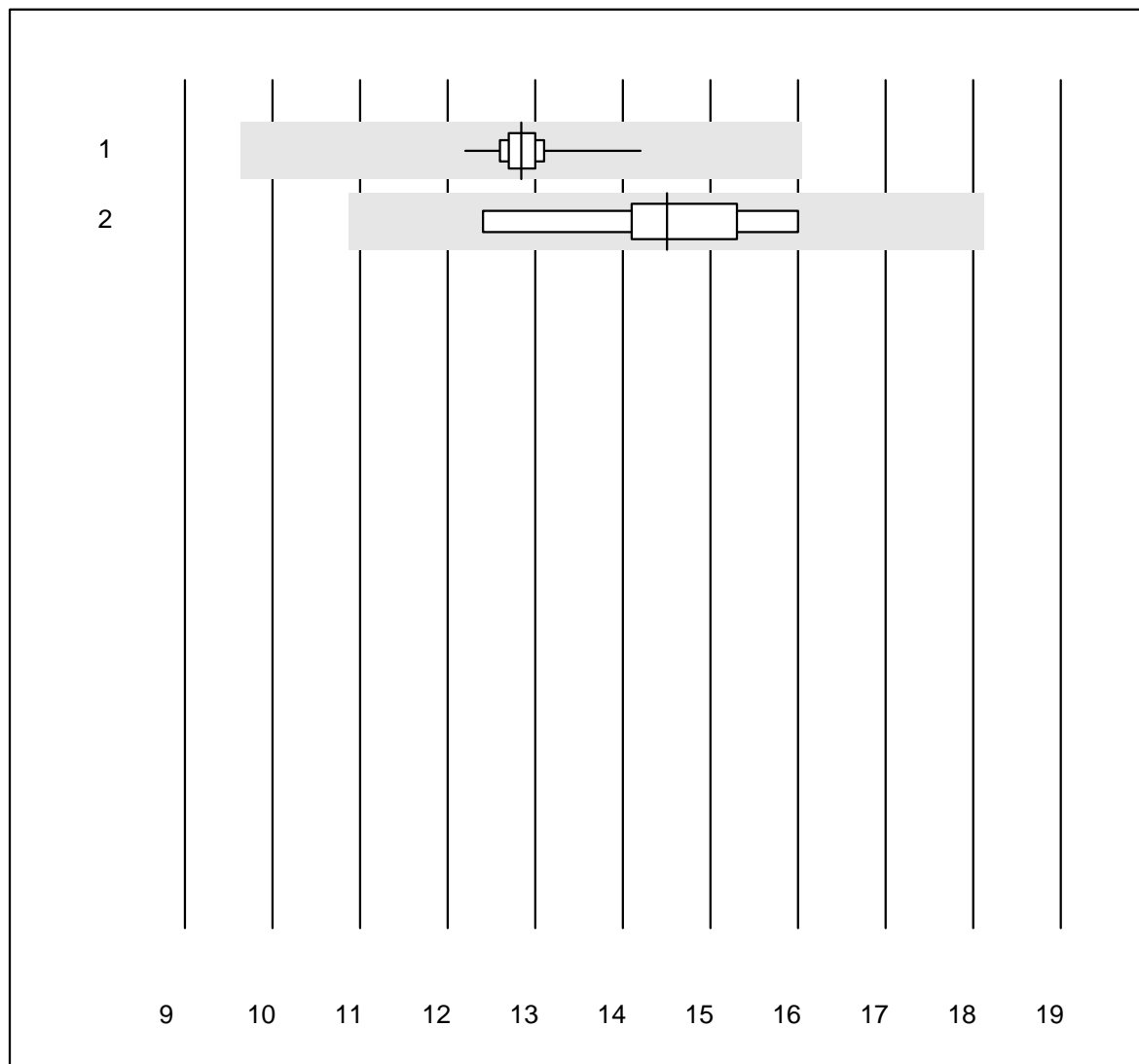
MQ tolerance : 25 %

MCHC (g/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Sysmex	110	100.0	0.0	0.0	344	2.3	e
2	Yumizen/Pentra	9	100.0	0.0	0.0	345	3.1	e

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

# RDW



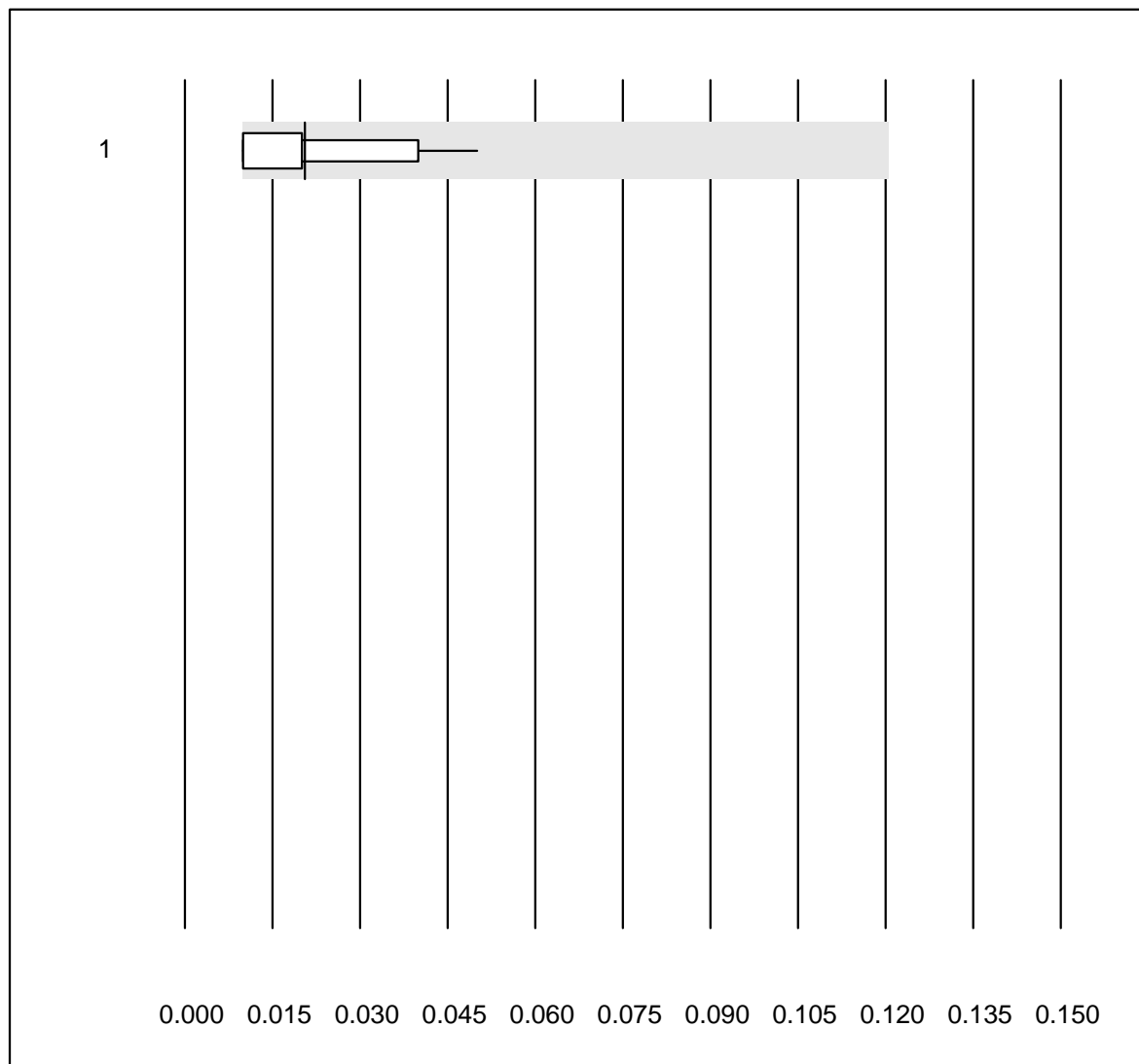
MQ tolerance : 25 %

RDW (%)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Sysmex	104	100.0	0.0	0.0	12.8	1.9	e
2	Yumizen/Pentra	9	100.0	0.0	0.0	14.5	9.0	e

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

# Immature Granulocytes

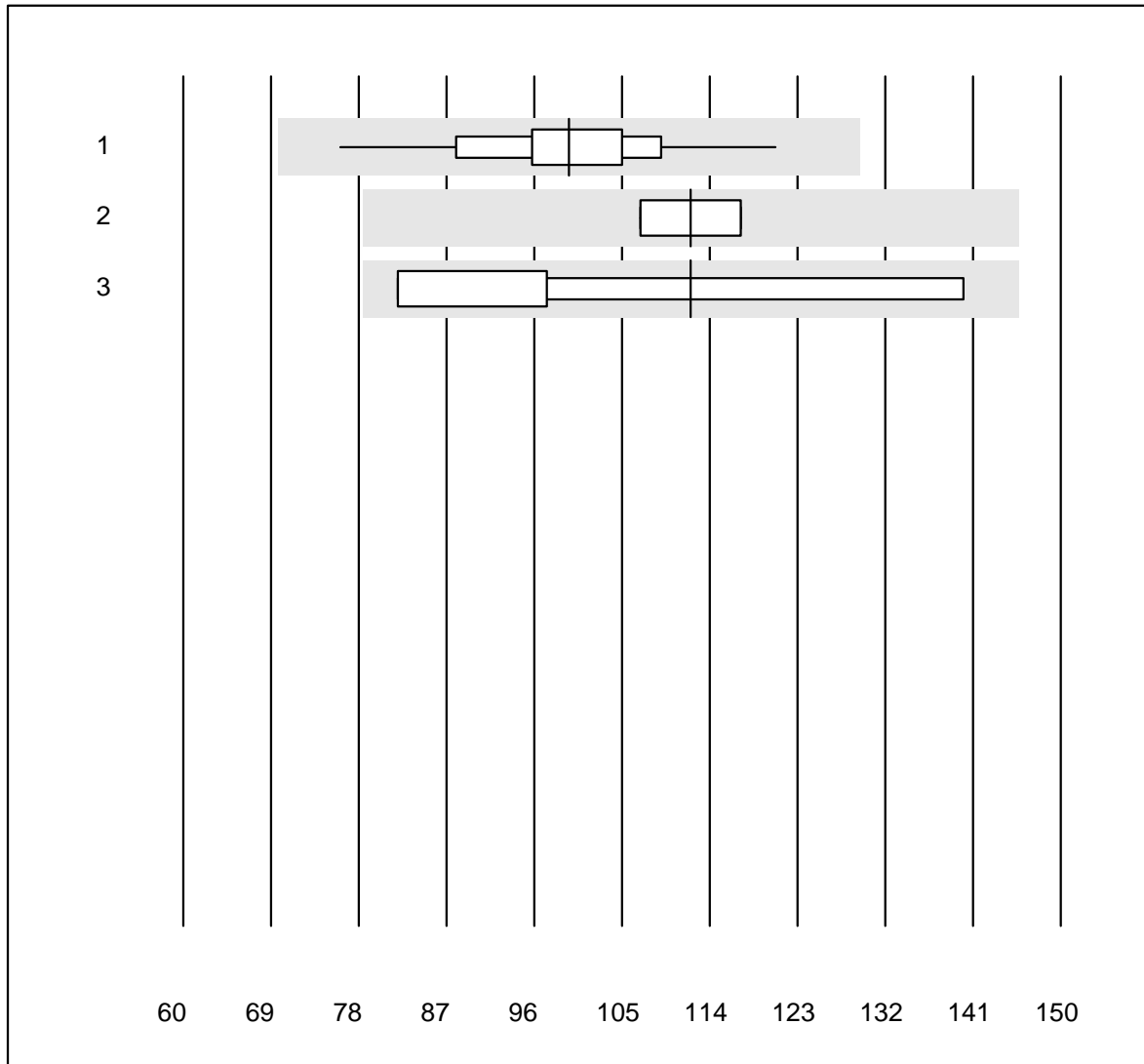


MQ tolerance : 25 %  
 (< 0.10: +/- 0.10 G/l)

Immature Granulocytes (G/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 Sysmex	102	100.0	0.0	0.0	0.02	51.1	e*

## Reticulocytes

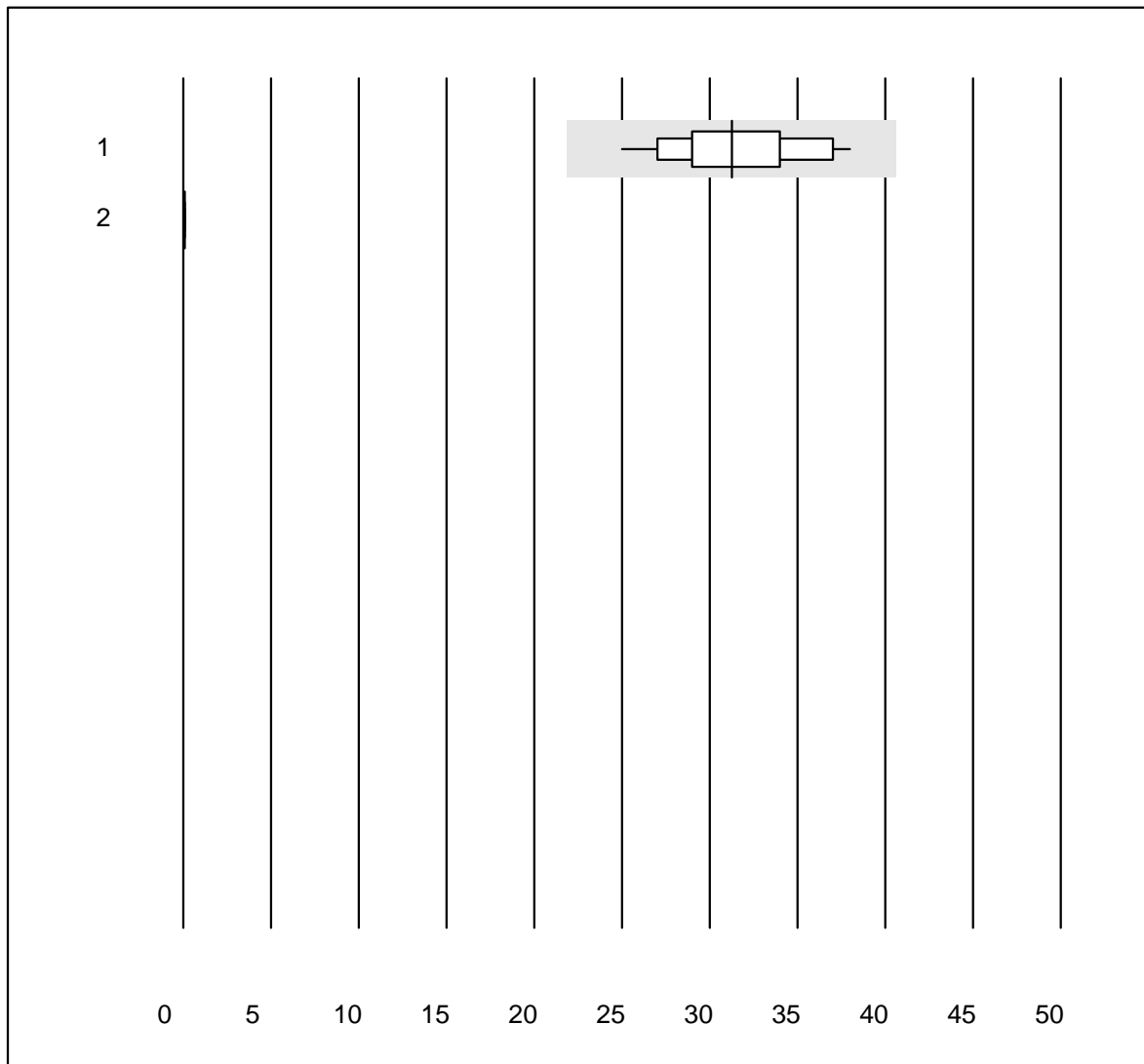


MQ tolerance : 30 %

Reticulocytes (G/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Sysmex	66	98.5	0.0	1.5	99.5	9.0	e
2	Advia	5	40.0	0.0	60.0	112.1	6.5	a
3	Beckman	4	100.0	0.0	0.0	112.1	26.5	a

## Hämolyseindex Probe A



MQ tolerance : 30 %

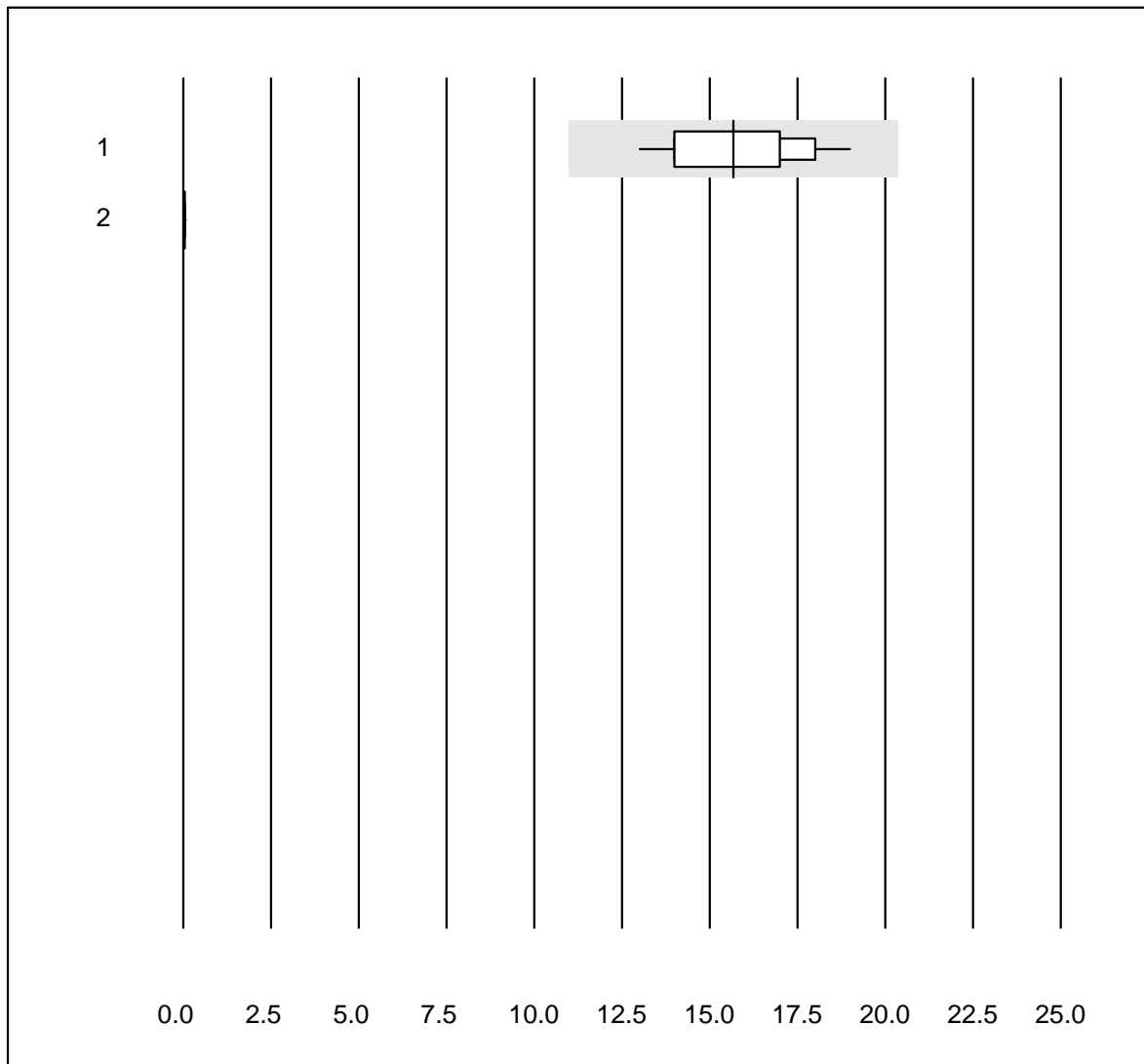
Hämolyseindex Probe A ()

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas	22	100.0	0.0	0.0	31.25	11.6	e
2	Abbott	8	62.5	0.0	37.5	0.07	20.3	e*

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



## Hämolyseindex Probe B



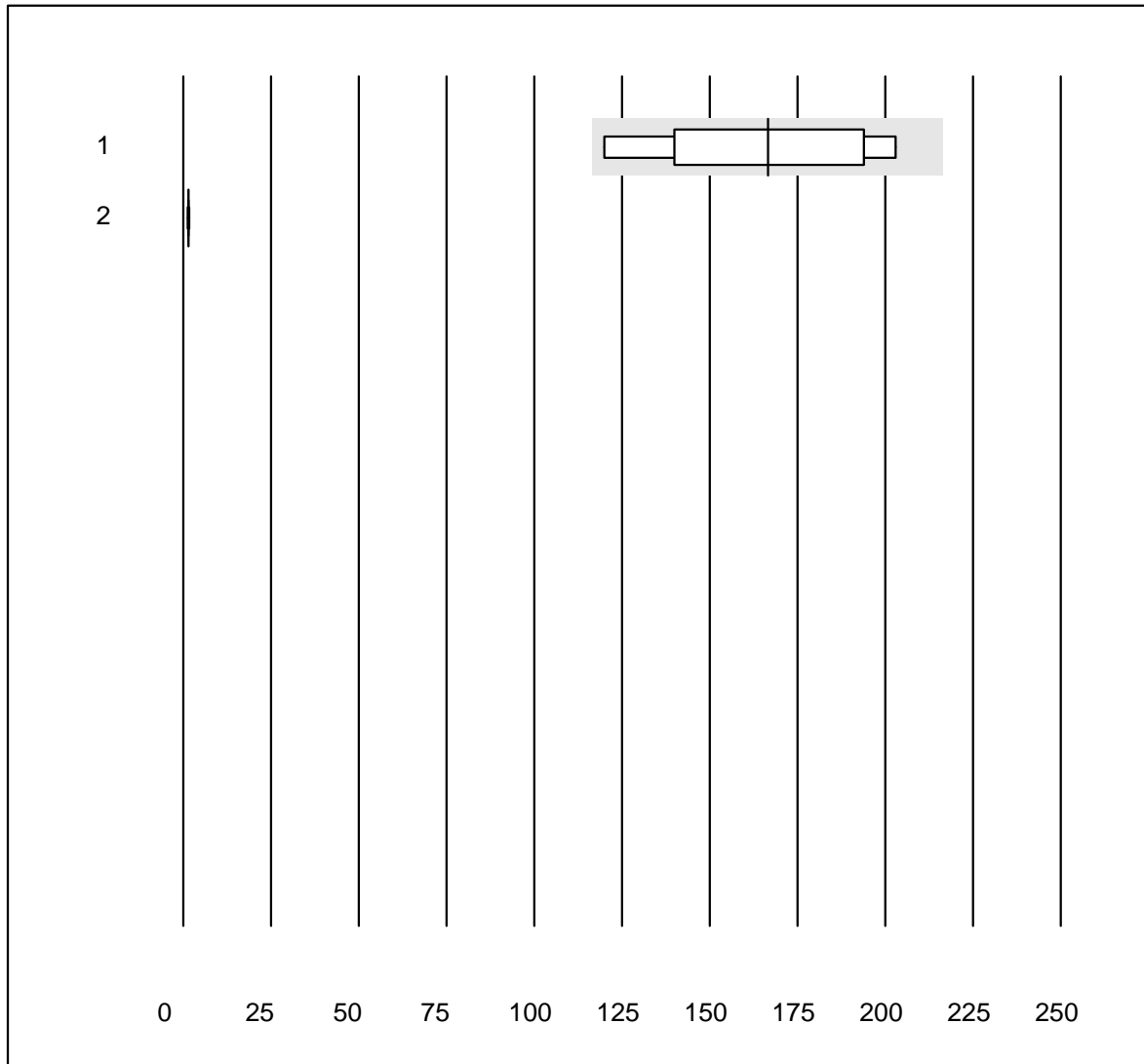
MQ tolerance : 30 %

Hämolyseindex Probe B ()

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas	22	100.0	0.0	0.0	15.68	11.2	e
2	Abbott	8	50.0	0.0	50.0	0.04	11.8	e*

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

## Lipemia index A

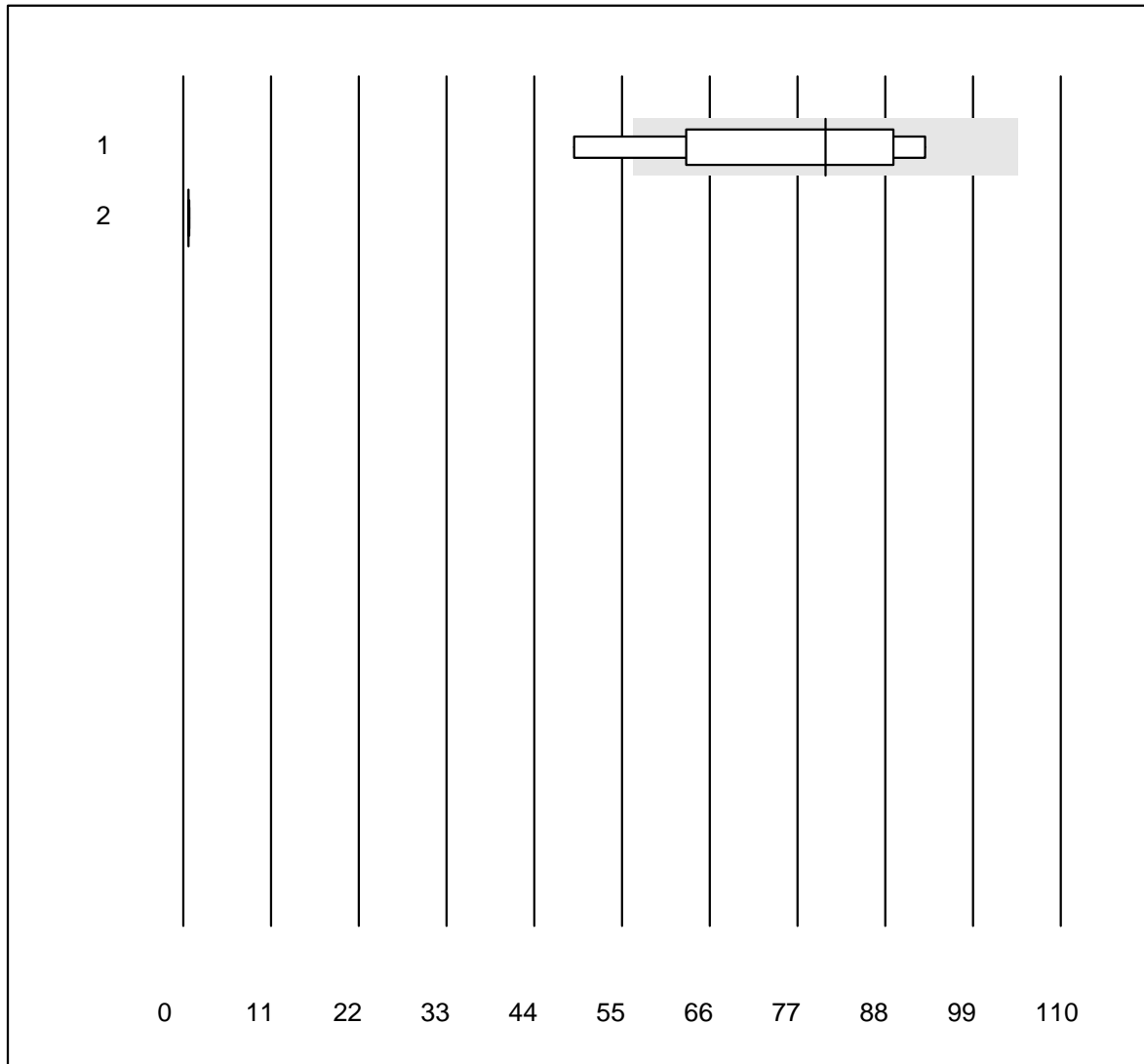


MQ tolerance : 30 %

Lipemia index A ( )

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 Cobas	8	87.5	0.0	12.5	166.50	18.1	e*
2 Abbott	6	100.0	0.0	0.0	1.43	9.6	e*

## Lipemia index B

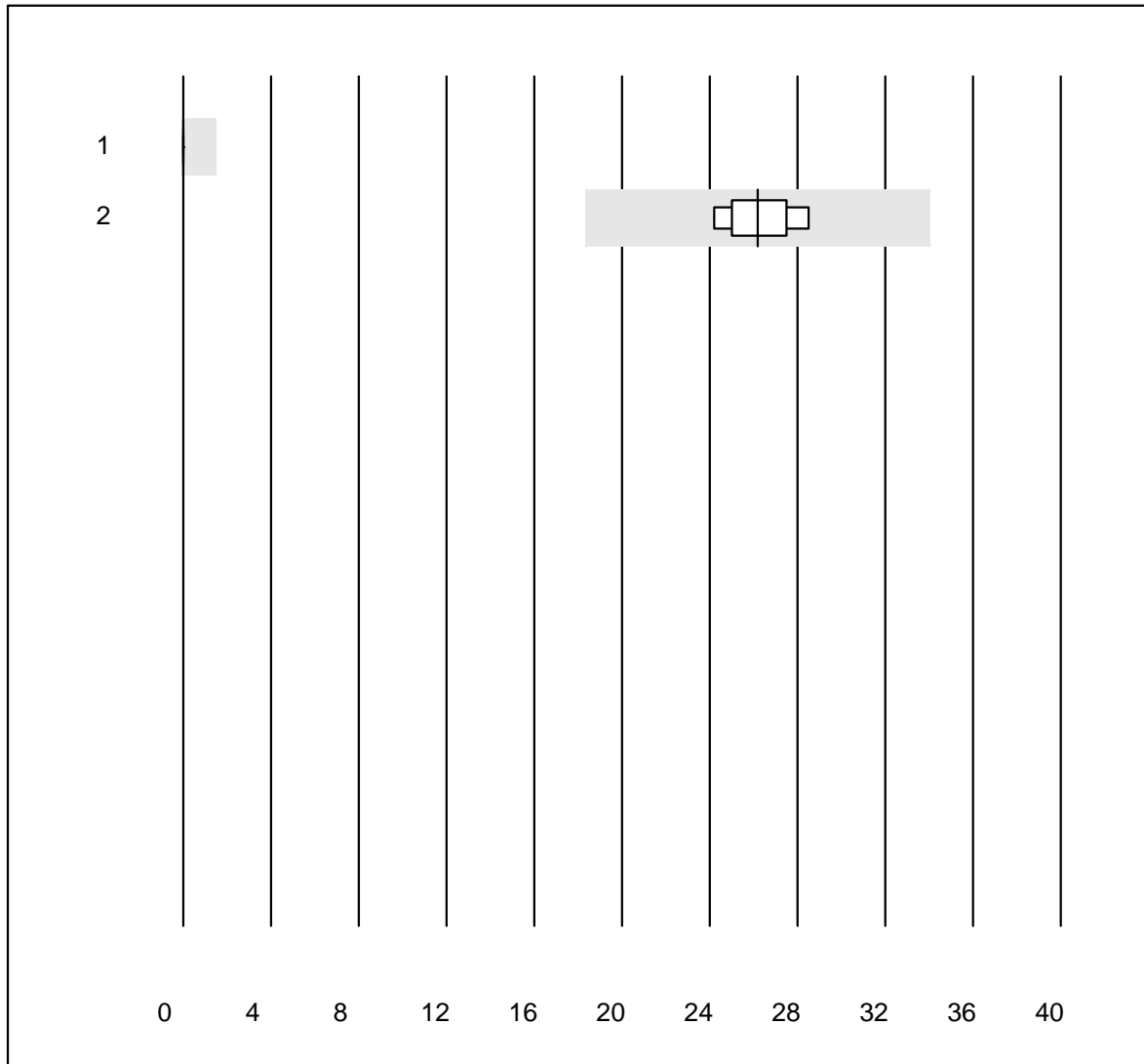


MQ tolerance : 30 %

Lipemia index B ( )

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas	8	87.5	12.5	0.0	80.50	19.5	e*
2	Abbott	6	100.0	0.0	0.0	0.65	8.6	e

## Icteria Index A

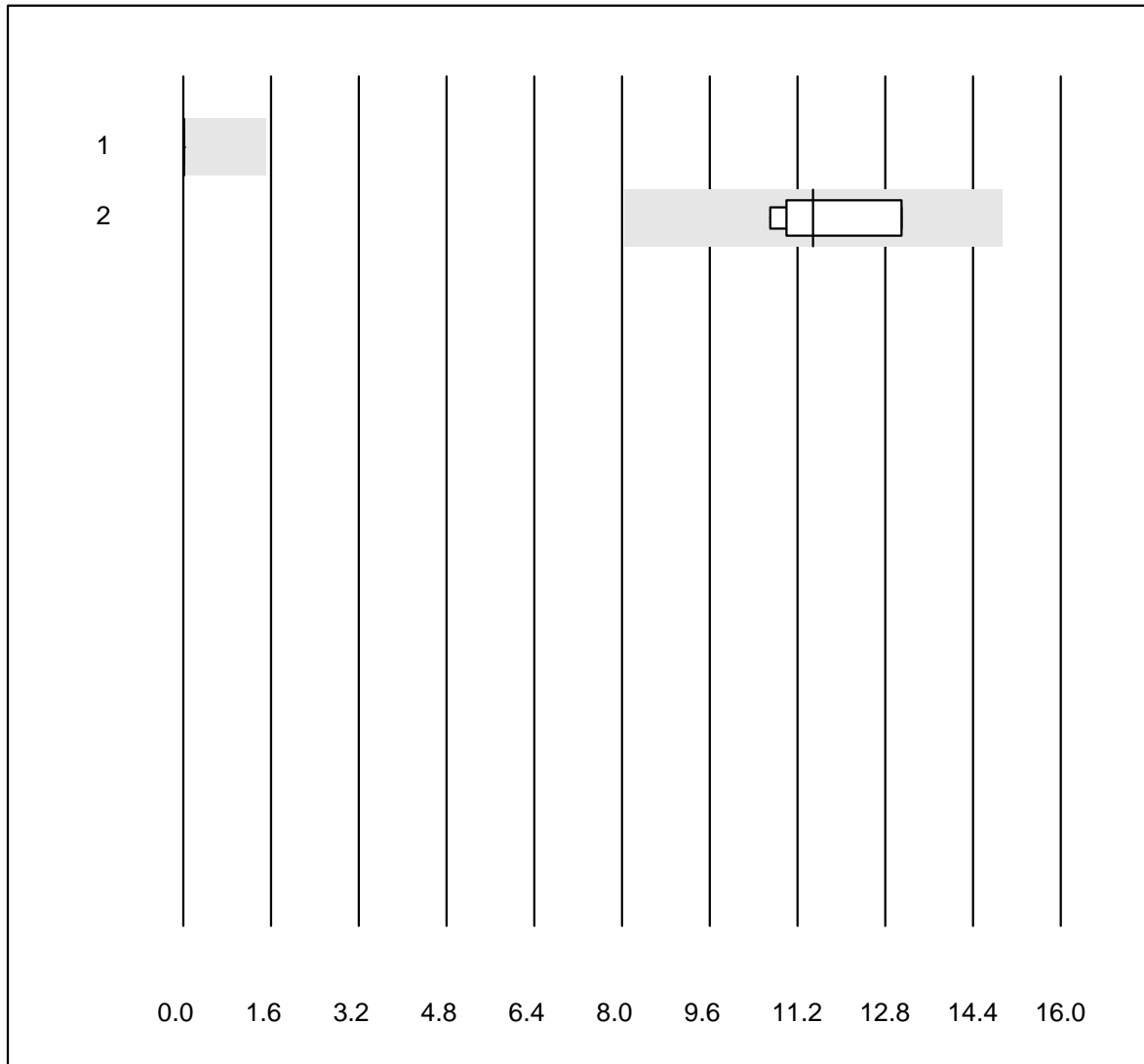


MQ tolerance : 30 %  
 (< 5.00: +/- 1.50)

Icteria Index A ()

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 Cobas	8	100.0	0.0	0.0	0.01	0.0	e
2 Abbott	6	83.3	0.0	16.7	26.18	6.9	e

## Icteria Index B

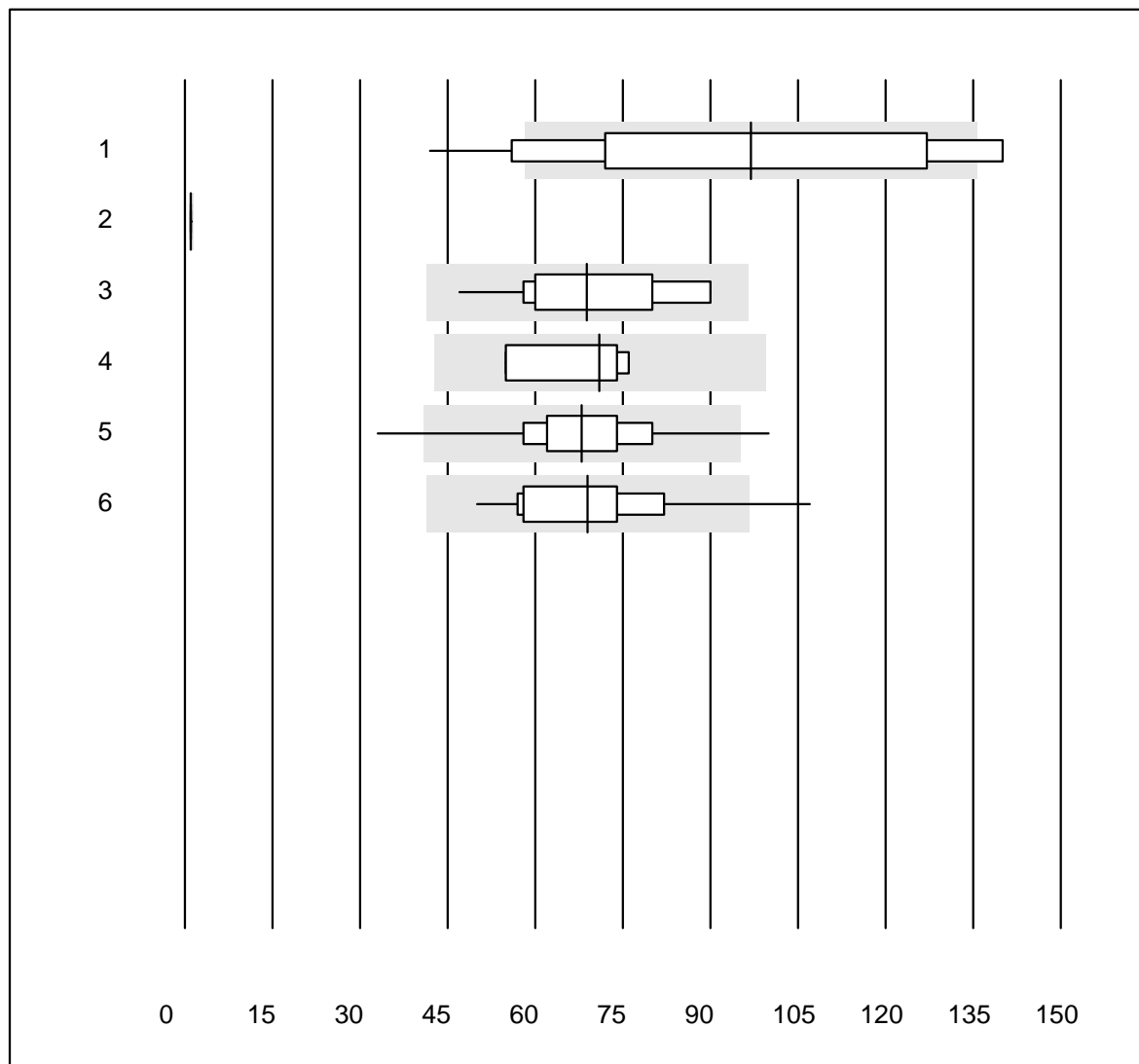


MQ tolerance : 30 %  
 (< 5.00: +/- 1.50)

Icteria Index B ()

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 Cobas	8	100.0	0.0	0.0	0.01	0.0	e
2 Abbott	6	83.3	0.0	16.7	11.49	9.4	e*

## Erythrocyte sedimentation rate 1h

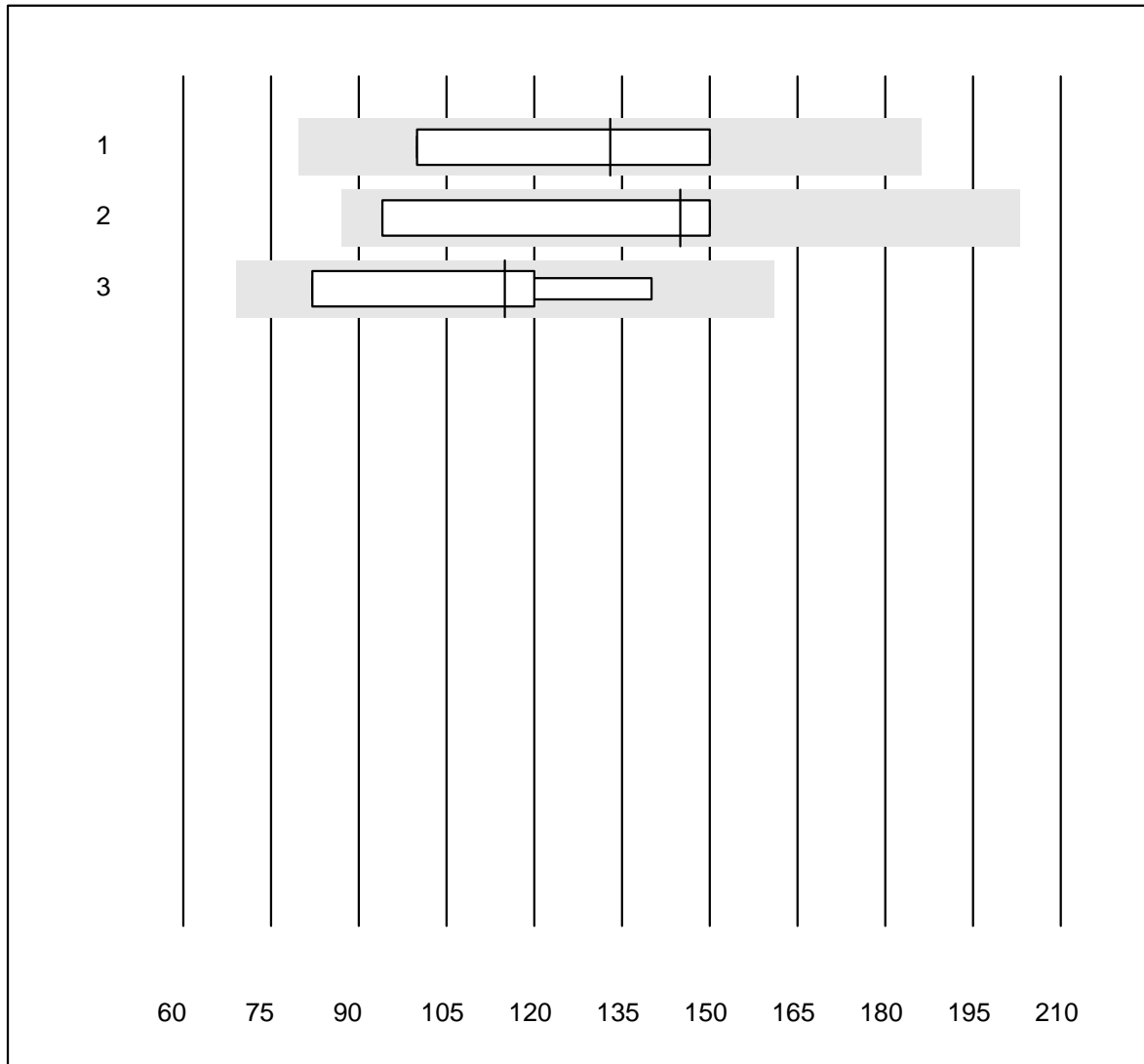


MQ tolerance : 40 %

Erythrocyte sedimentation rate 1h (mm/h)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	MINI-CUBE	26	69.2	30.8	0.0	97	32.3	e*
2	miniiSed	10	90.0	0.0	10.0	1	0.0	e
3	Sarstedt Sedivette	15	93.3	0.0	6.7	69	18.5	e
4	Sarstedt Microvette	4	100.0	0.0	0.0	71	13.9	e*
5	BD Seditainer	45	93.4	4.4	2.2	68	17.0	e
6	Other methods	22	95.5	4.5	0.0	69	19.3	e

## Erythrocyte sedimentation rate 2h

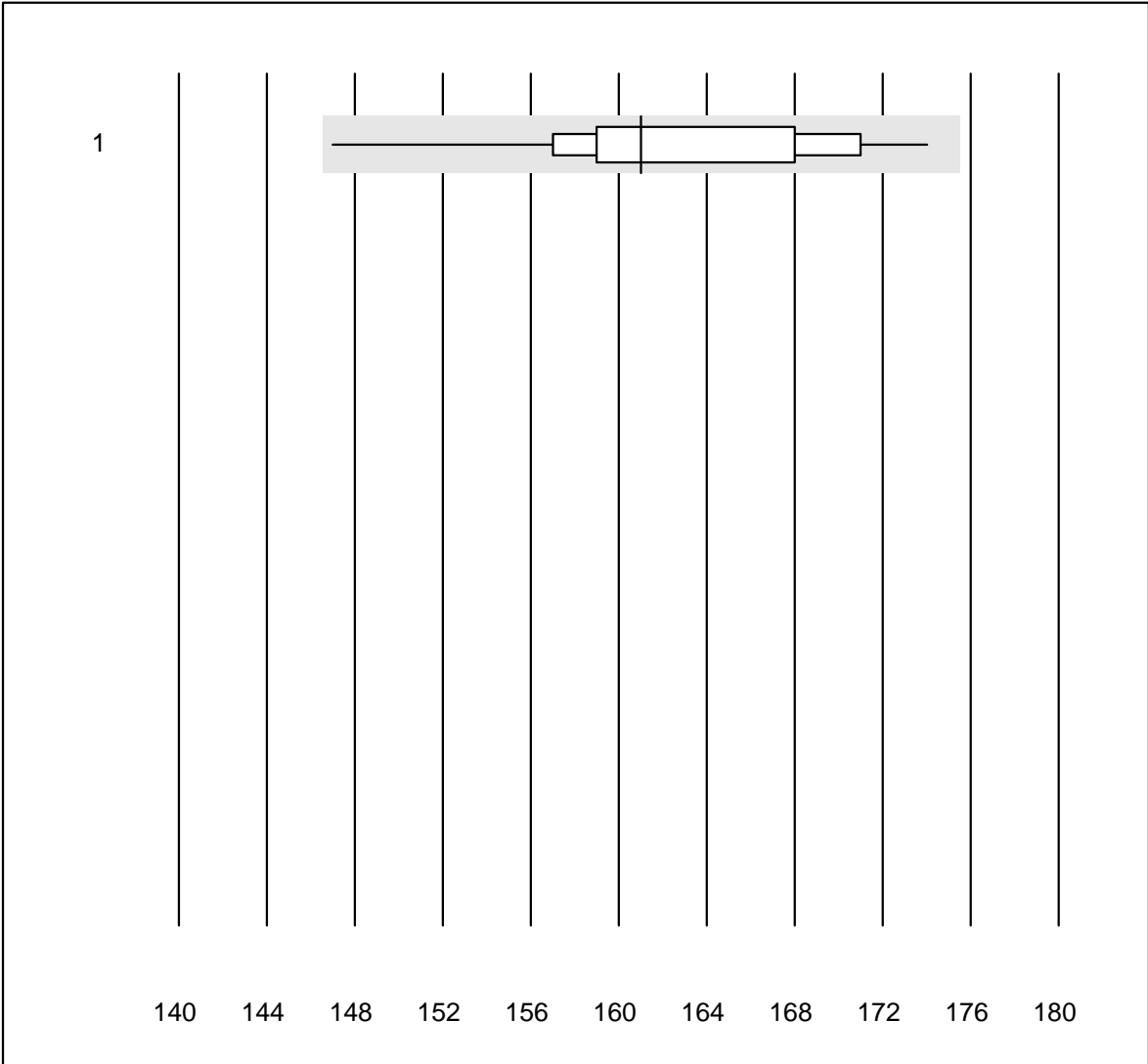


MQ tolerance : 40 %

Erythrocyte sedimentation rate 2h (mm/2h)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Sarstedt Sedivette	7	100.0	0.0	0.0	133	16.5	e*
2	BD Seditainer	4	100.0	0.0	0.0	145	20.0	e*
3	Other methods	4	100.0	0.0	0.0	115	21.4	e*

# Hemoglobin HS



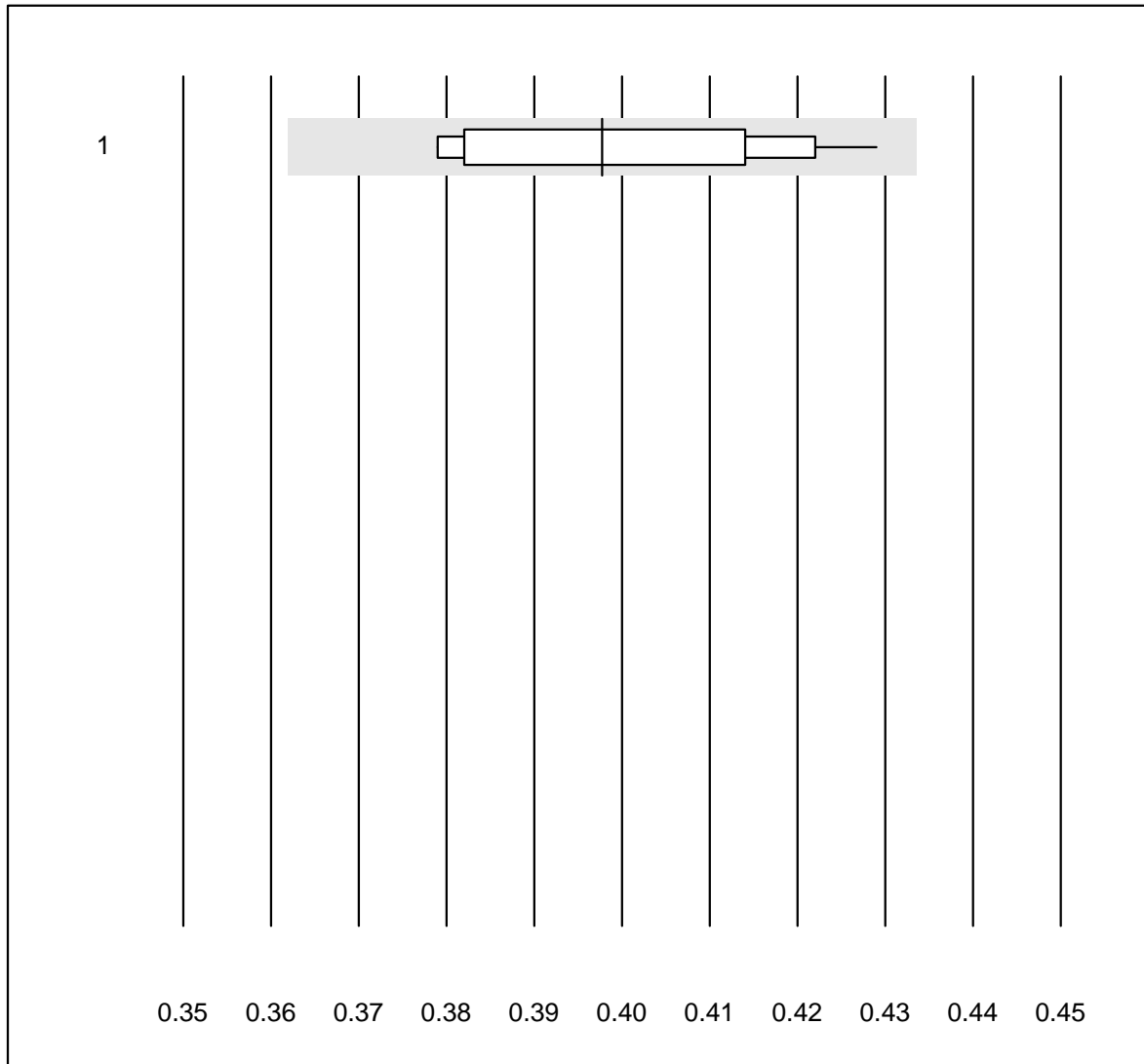
MQ tolerance : 9 %

Hemoglobin HS (g/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	PixCell HemoScreen	21	71.4	0.0	28.6	161.0	4.1	e



## Hematocrit HS

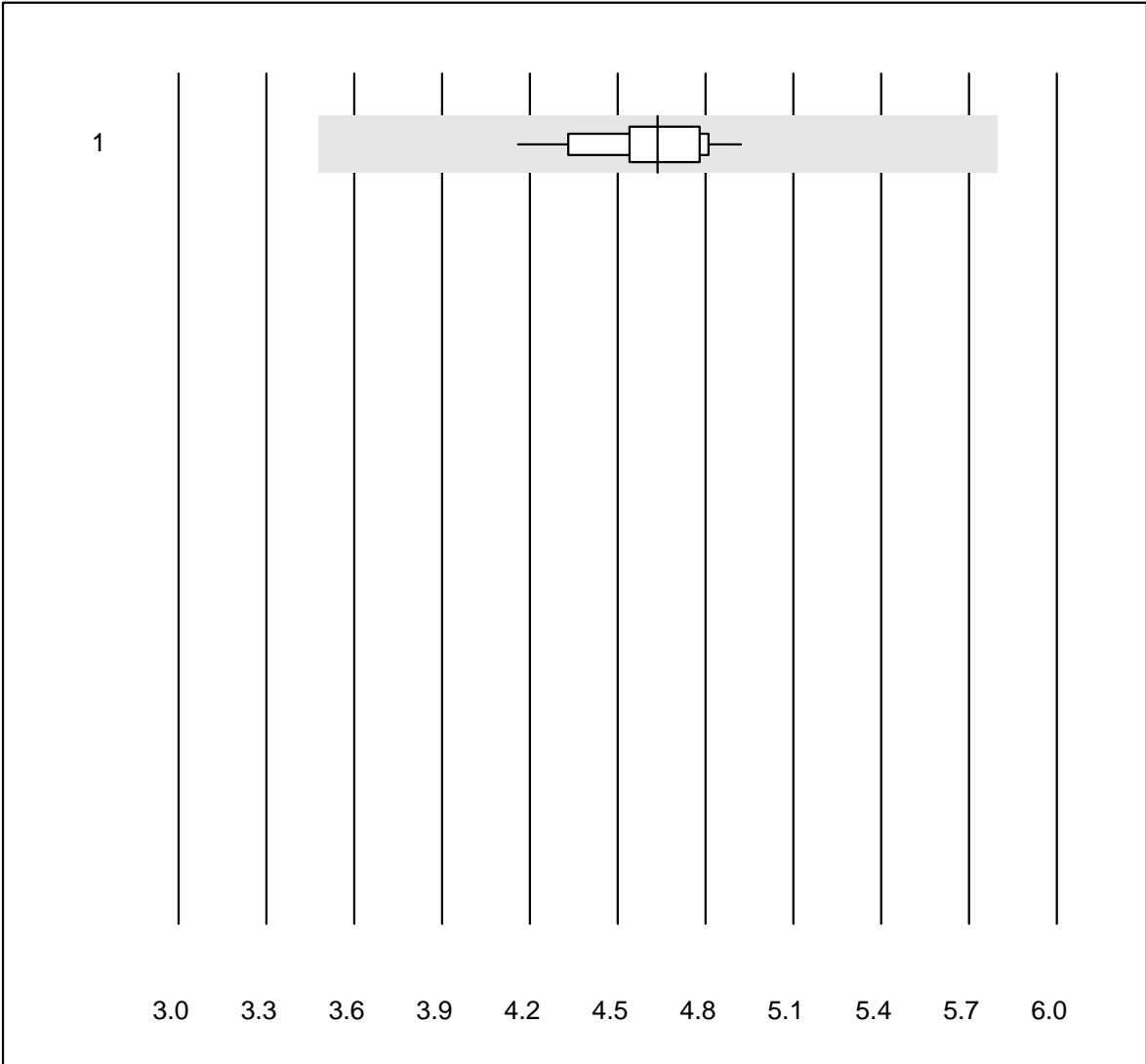


MQ tolerance : 9 %

Hematocrit HS (l/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	PixCell HemoScreen	21	71.4	0.0	28.6	0.4	4.2	e

### Erythrocytes HS

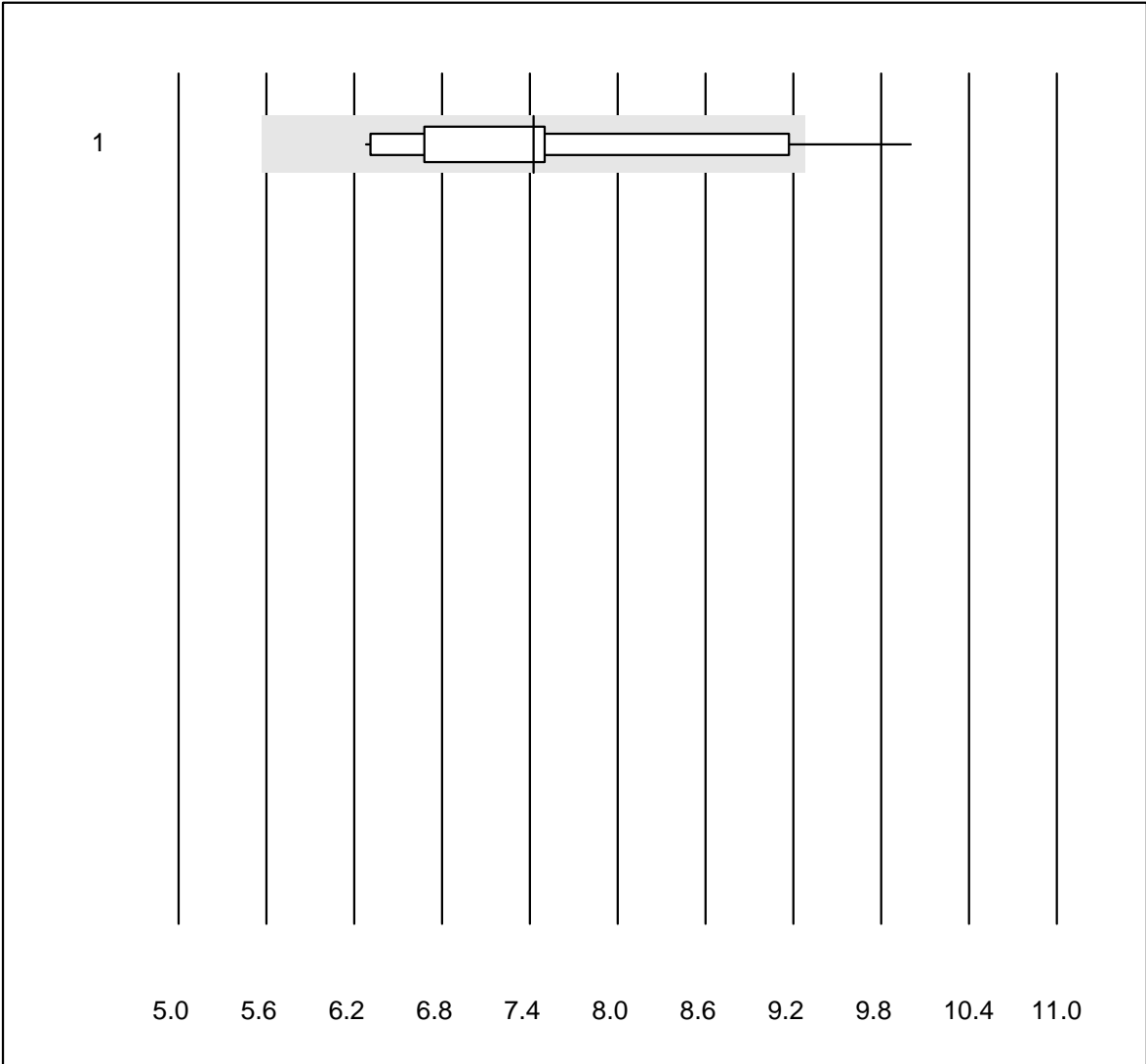


MQ tolerance : 25 %

Erythrocytes HS (T/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	PixCell HemoScreen	21	71.4	0.0	28.6	4.64	4.2	e

# Leucocytes HS

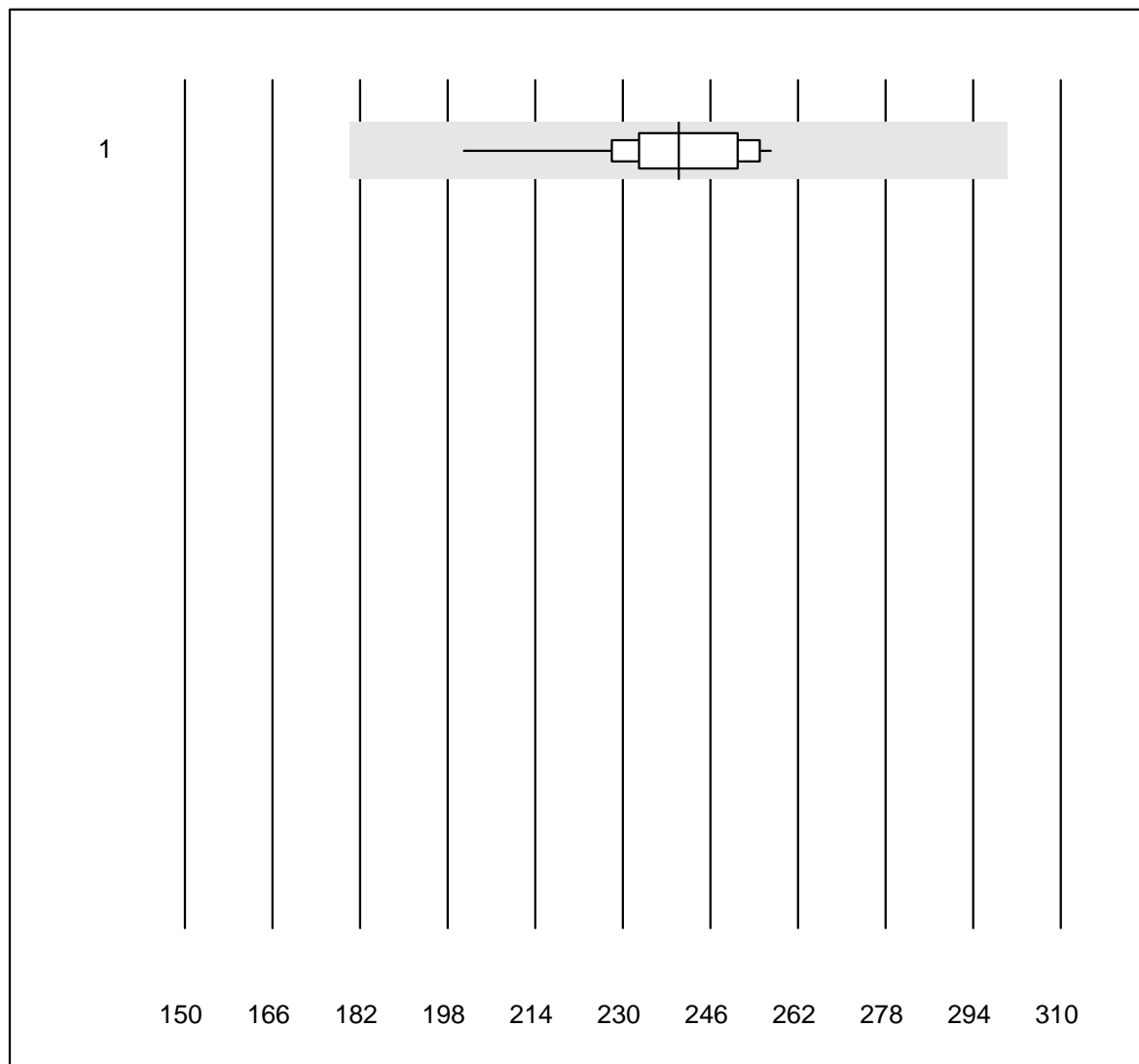


MQ tolerance : 25 %

Leucocytes HS (G/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	PixCell HemoScreen	21	90.4	4.8	4.8	7.43	14.5	e*

# Trombocytes HS

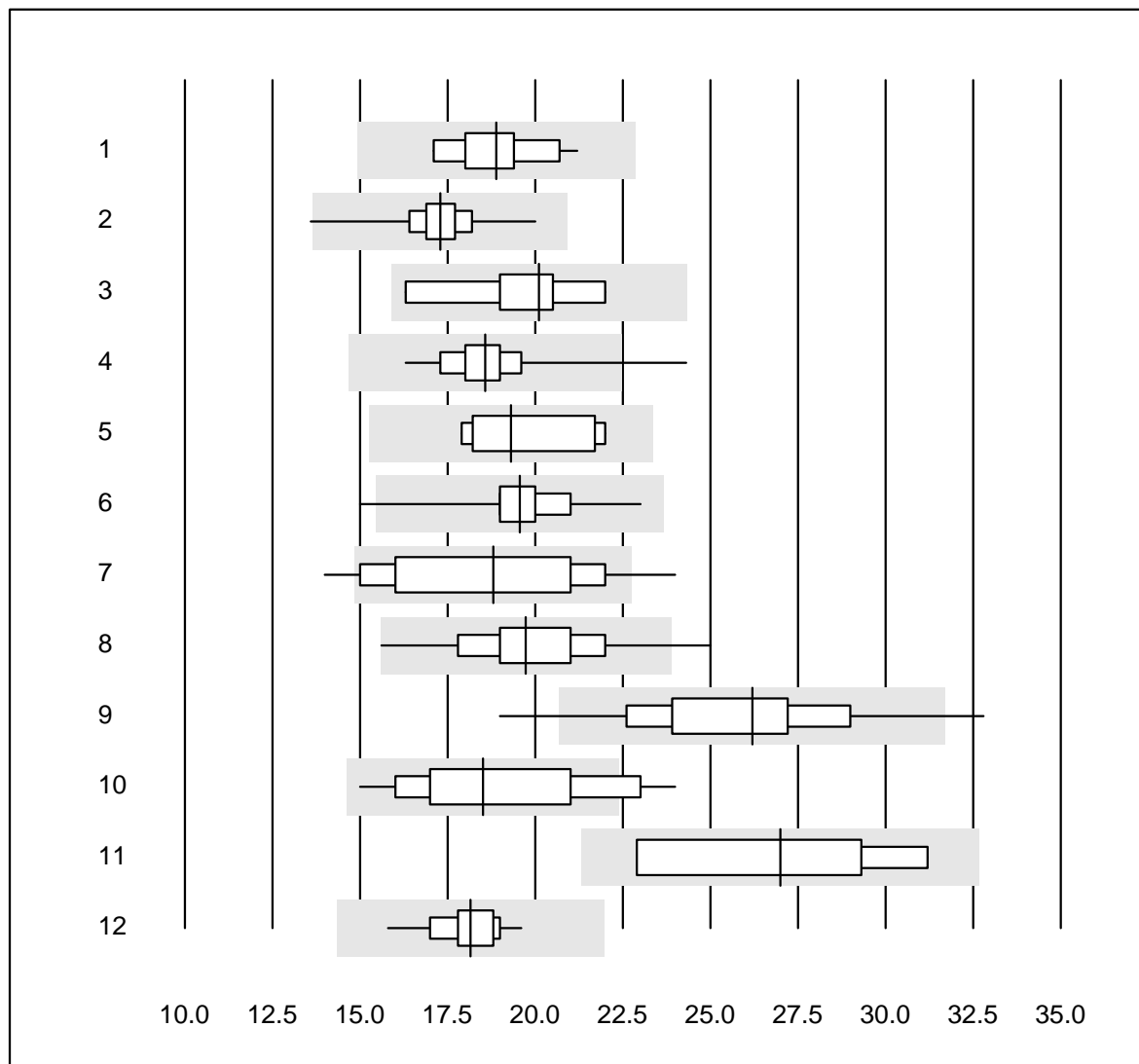


MQ tolerance : 25 %

Trombocytes HS (G/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	PixCell HemoScreen	21	100.0	0.0	0.0	240.2	5.4	e

# CRP



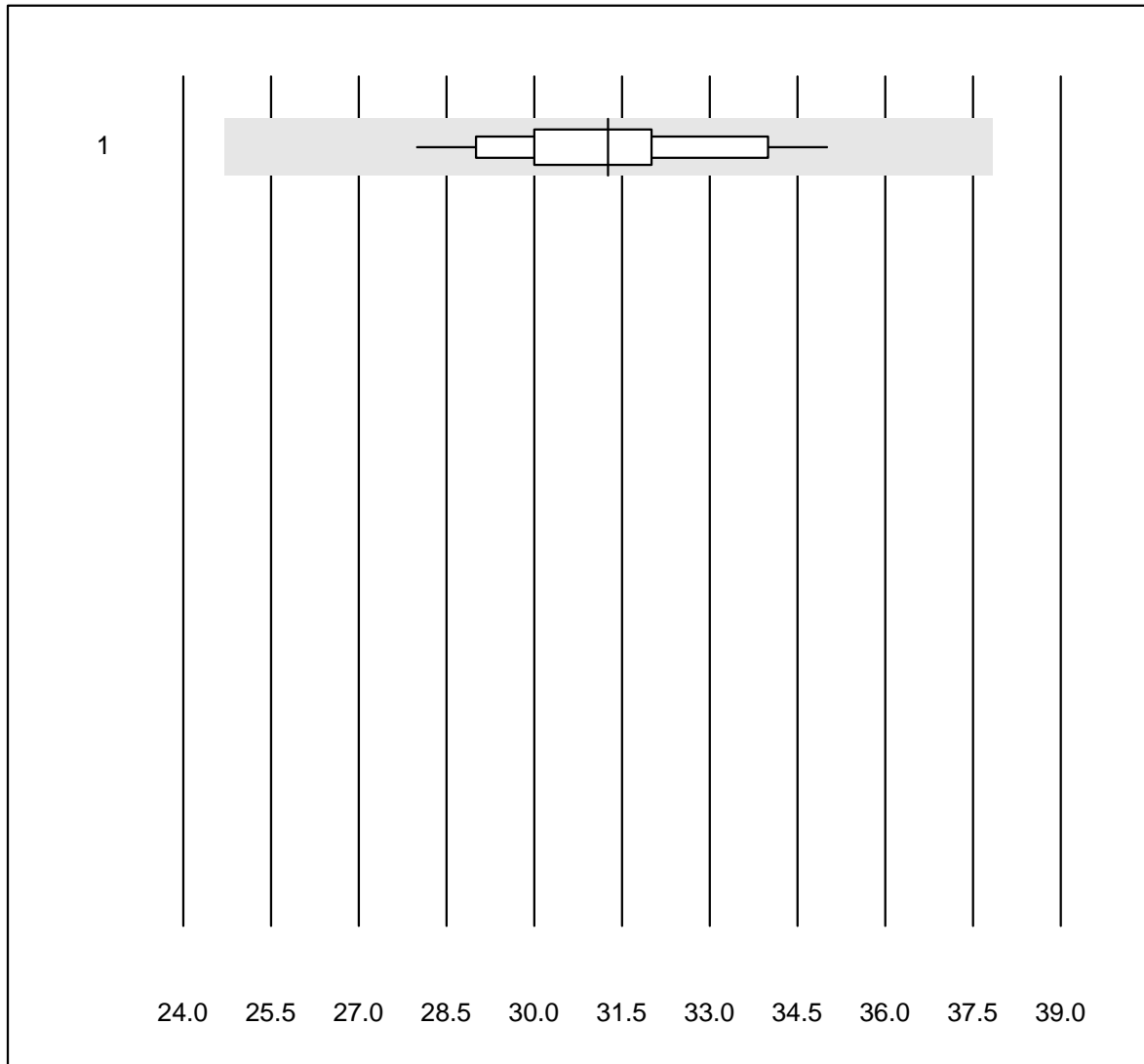
QUALAB tolerance : 21 %

CRP (mg/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Autolyser	10	100.0	0.0	0.0	18.9	7.1	e
2	Cobas b101	397	98.9	0.3	0.8	17.3	4.3	e
3	Siemens	6	100.0	0.0	0.0	20.1	9.8	e*
4	Cobas	41	97.6	2.4	0.0	18.6	6.7	e
5	Turbidimetry	6	100.0	0.0	0.0	19.3	8.8	e*
6	Afinion	1101	99.4	0.1	0.5	19.6	4.6	e
7	NycoCard SingleTest-	54	79.6	14.8	5.6	18.8	14.7	e
8	Quick Read go	82	96.4	2.4	1.2	19.7	9.0	e
9	Eurolyser	65	75.4	4.6	20.0	26.2	10.8	e
10	Fuji Dri-Chem	14	64.3	14.3	21.4	18.5	14.7	e*
11	Piccolo	5	80.0	0.0	20.0	27.0	12.9	e*
12	Celltac chemi	32	100.0	0.0	0.0	18.2	4.9	e

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

# CRP

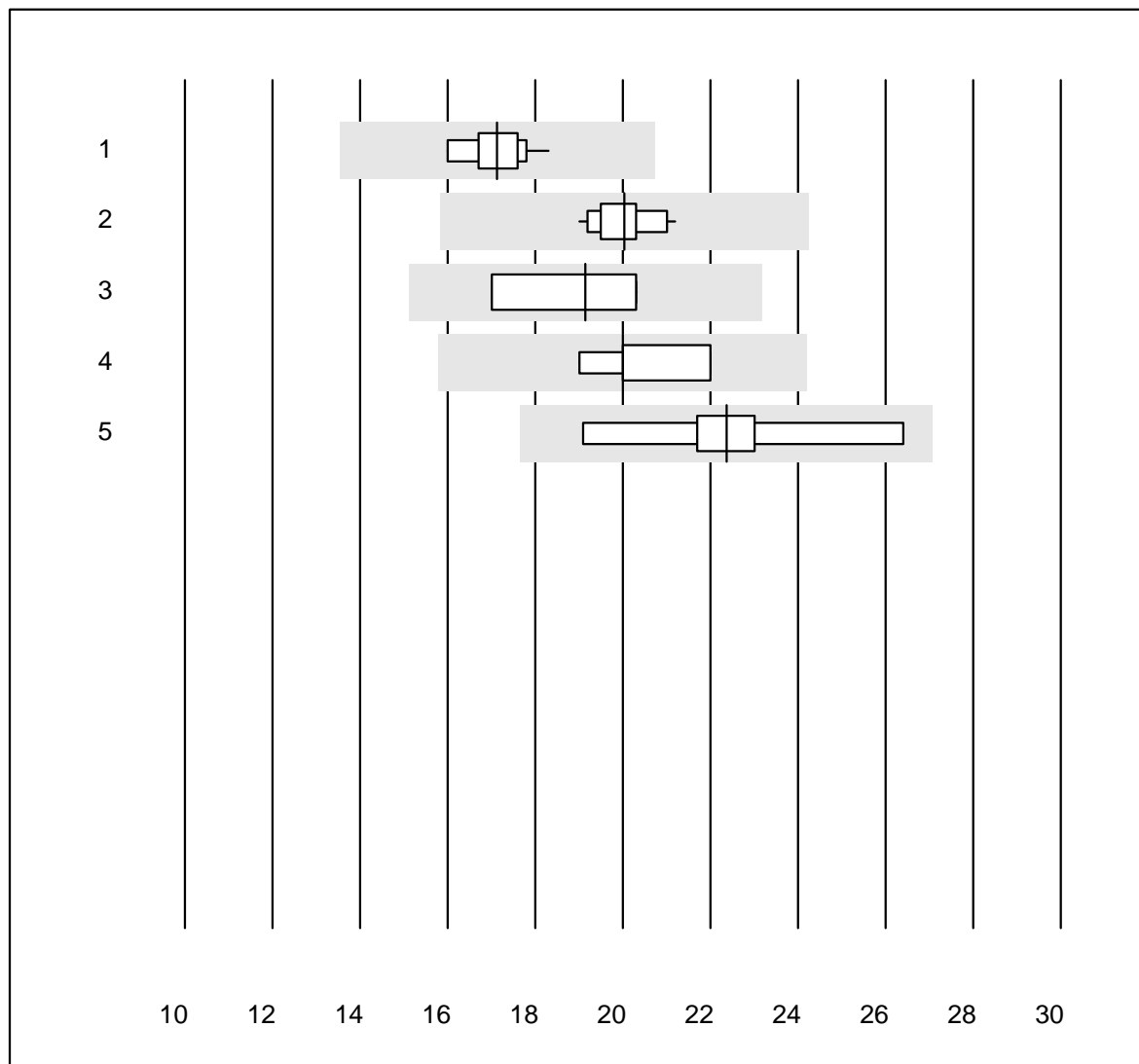


QUALAB tolerance : 21 %

CRP (mg/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	QuikRead (Vollblut)	15	100.0	0.0	0.0	31.3	6.2	e

# CRP



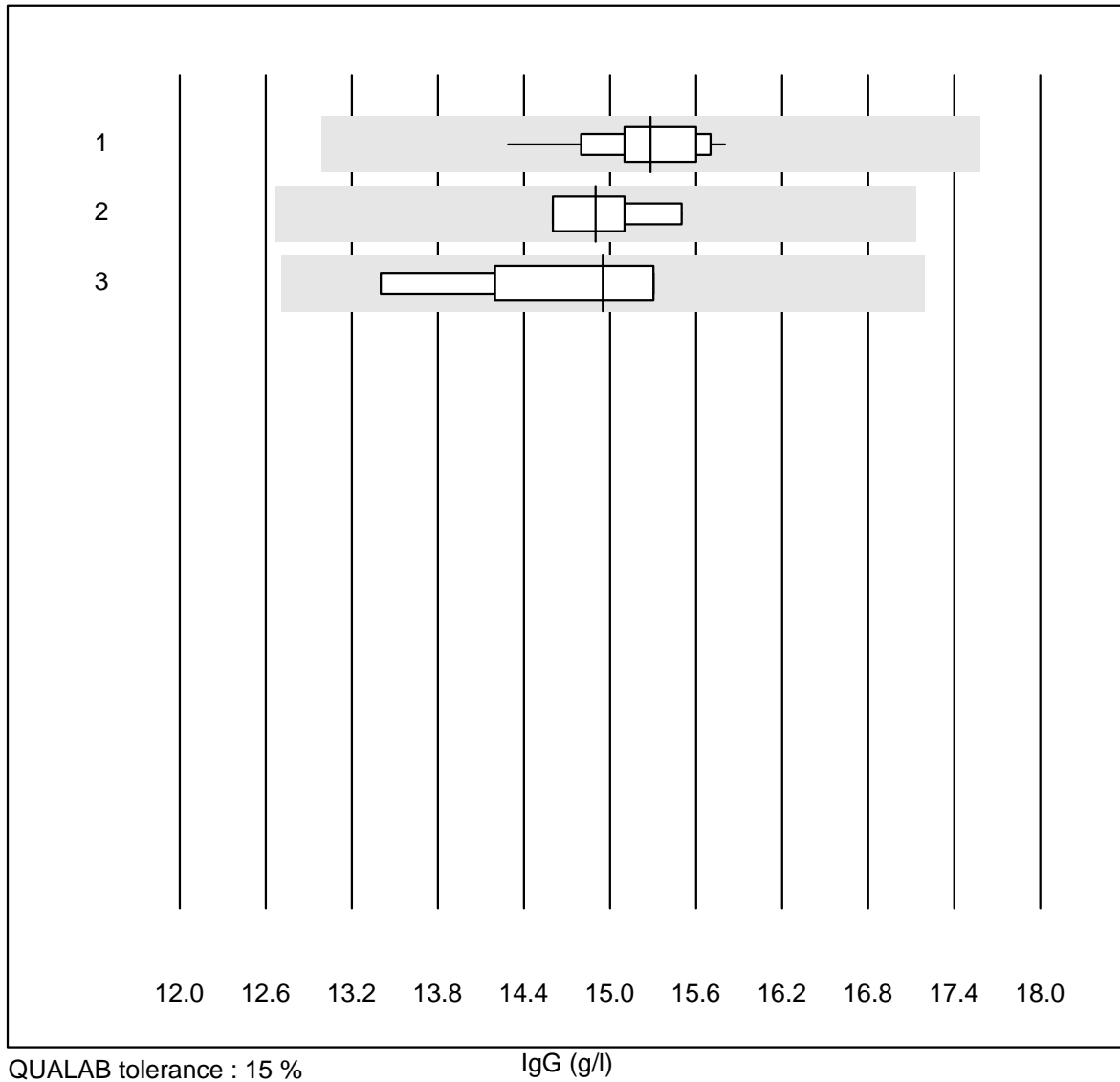
QUALAB tolerance : 21 %

CRP (mg/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Spinit	10	100.0	0.0	0.0	17.1	4.2	e
2	Abbott	16	100.0	0.0	0.0	20.0	3.3	e
3	Beckman	4	75.0	0.0	25.0	19.2	9.2	e*
4	AQT 90 FLEX	7	85.7	0.0	14.3	20.0	5.9	e
5	Spotchem D-Concept	6	100.0	0.0	0.0	22.4	10.6	e*

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

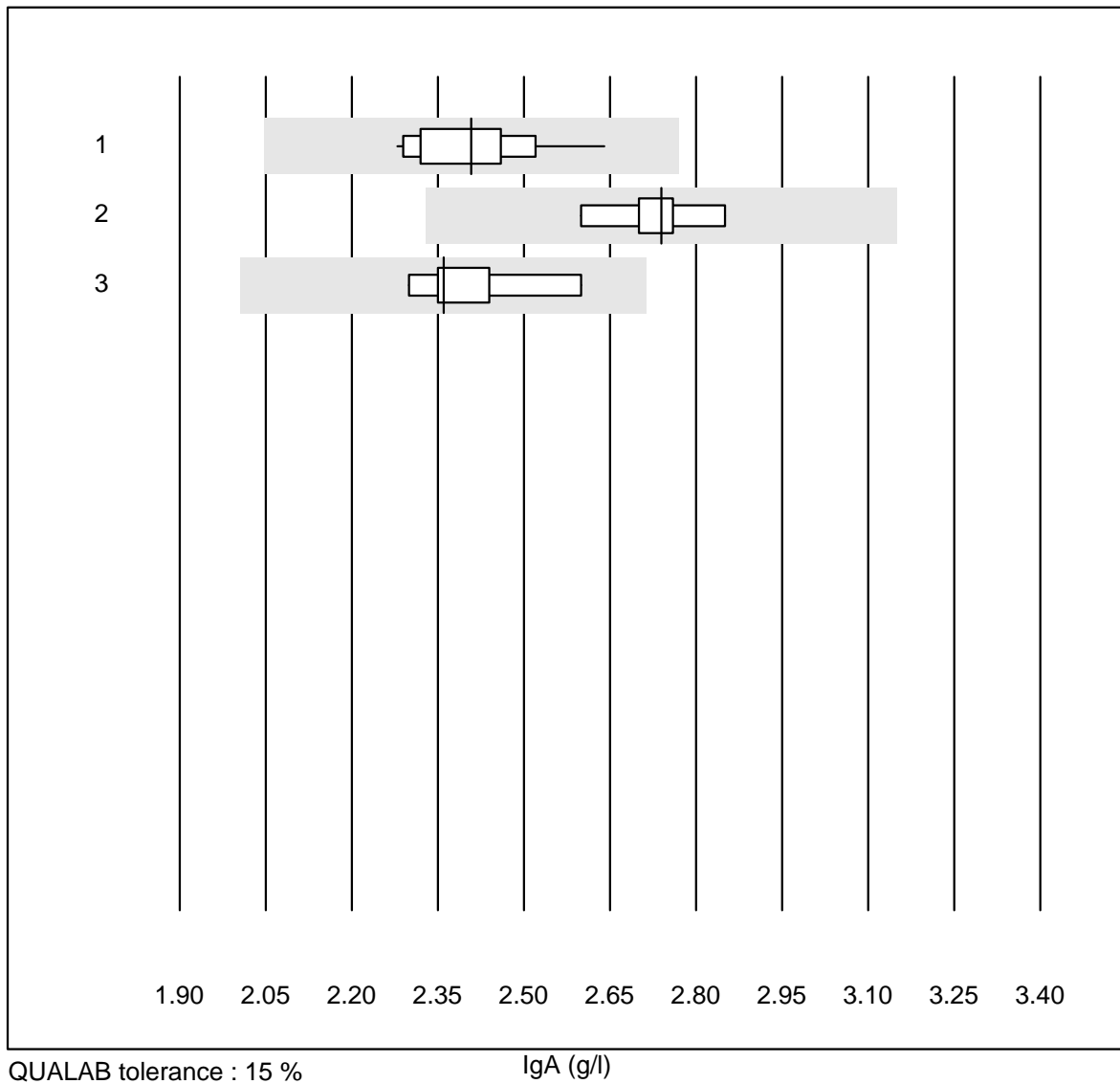
## IgG



No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Turbidimetry	22	100.0	0.0	0.0	15.28	2.4	e
2	Nephelometry	4	100.0	0.0	0.0	14.90	2.7	e
3	Other methods	6	100.0	0.0	0.0	14.95	5.2	e*

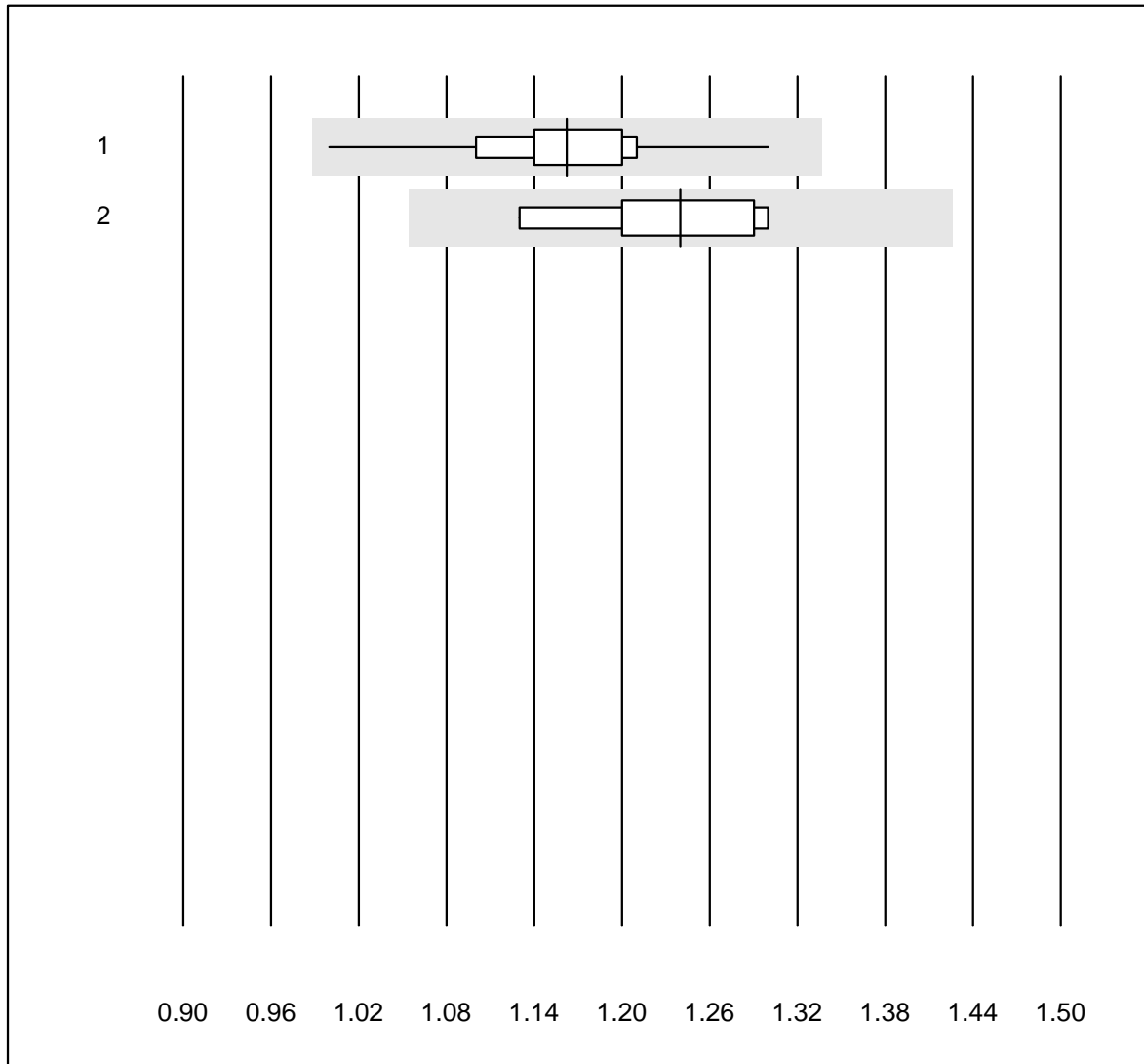


## IgA



No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Turbidimetry	20	100.0	0.0	0.0	2.41	4.2	e
2	Nephelometry	5	100.0	0.0	0.0	2.74	3.3	e
3	Other methods	5	100.0	0.0	0.0	2.36	4.9	e*

# IgM



QUALAB tolerance : 15 %

IgM (g/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Turbidimetry	21	100.0	0.0	0.0	1.16	5.6	e
2	Nephelometry	7	100.0	0.0	0.0	1.24	4.8	e*

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

# IgE

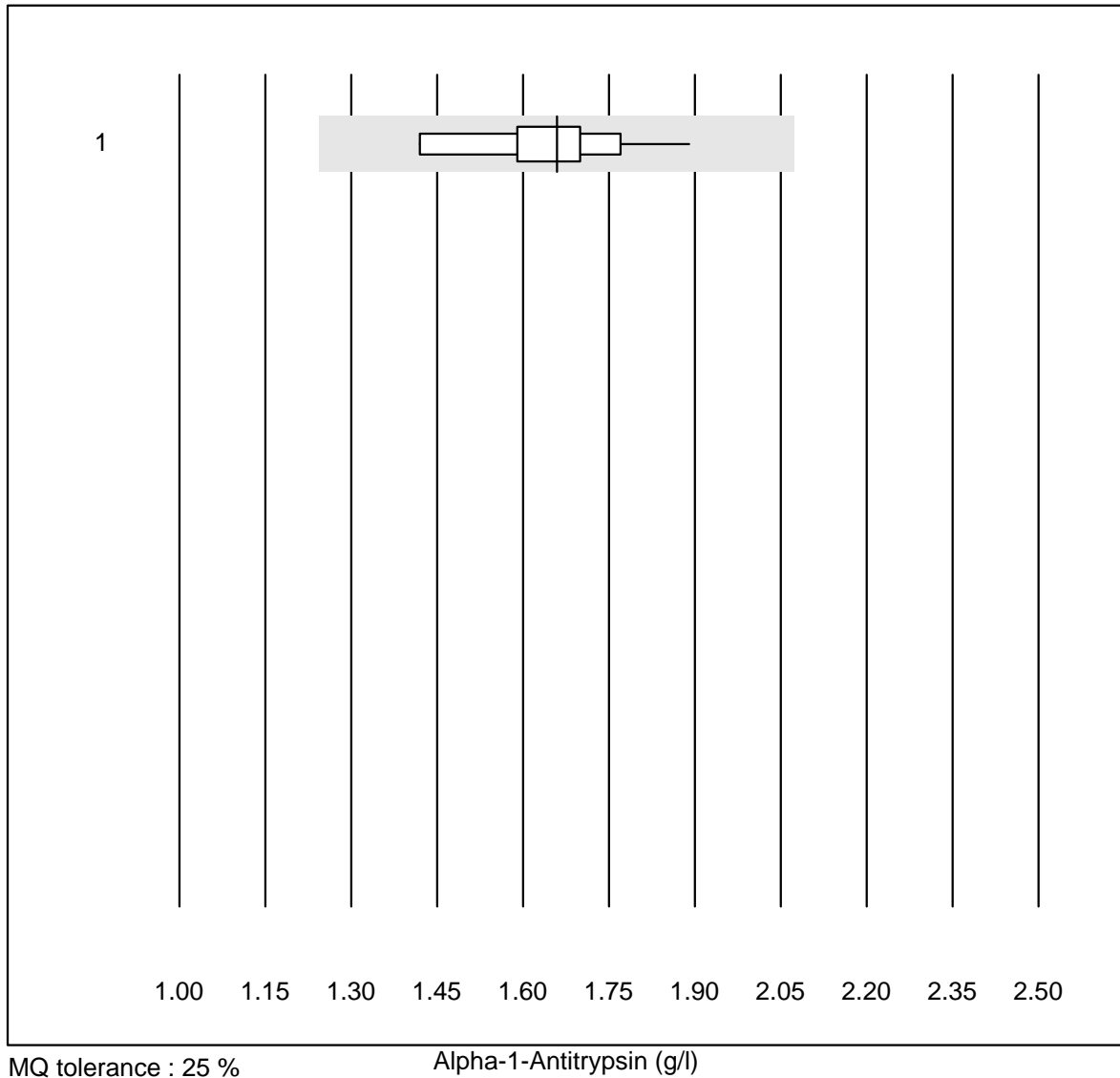


QUALAB tolerance : 30 %

IgE (kU/L)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	all Participants	5	100.0	0.0	0.0	101	5.9	e
2	Cobas	6	100.0	0.0	0.0	130	5.9	e

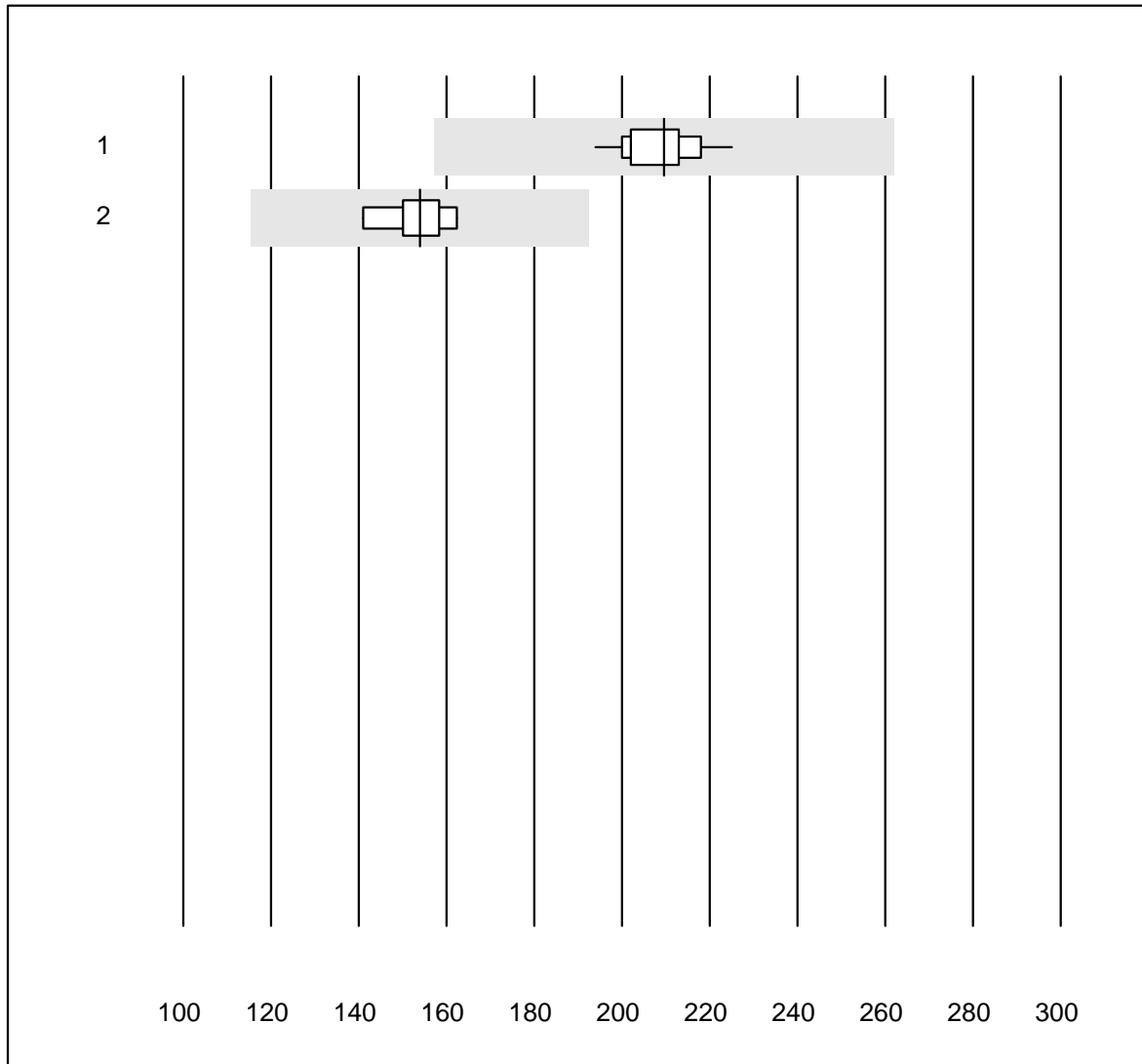
## Alpha-1-Antitrypsin



No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	all Participants	10	100.0	0.0	0.0	1.66	7.6	e

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

## Anti-Streptolysin-Antibodies

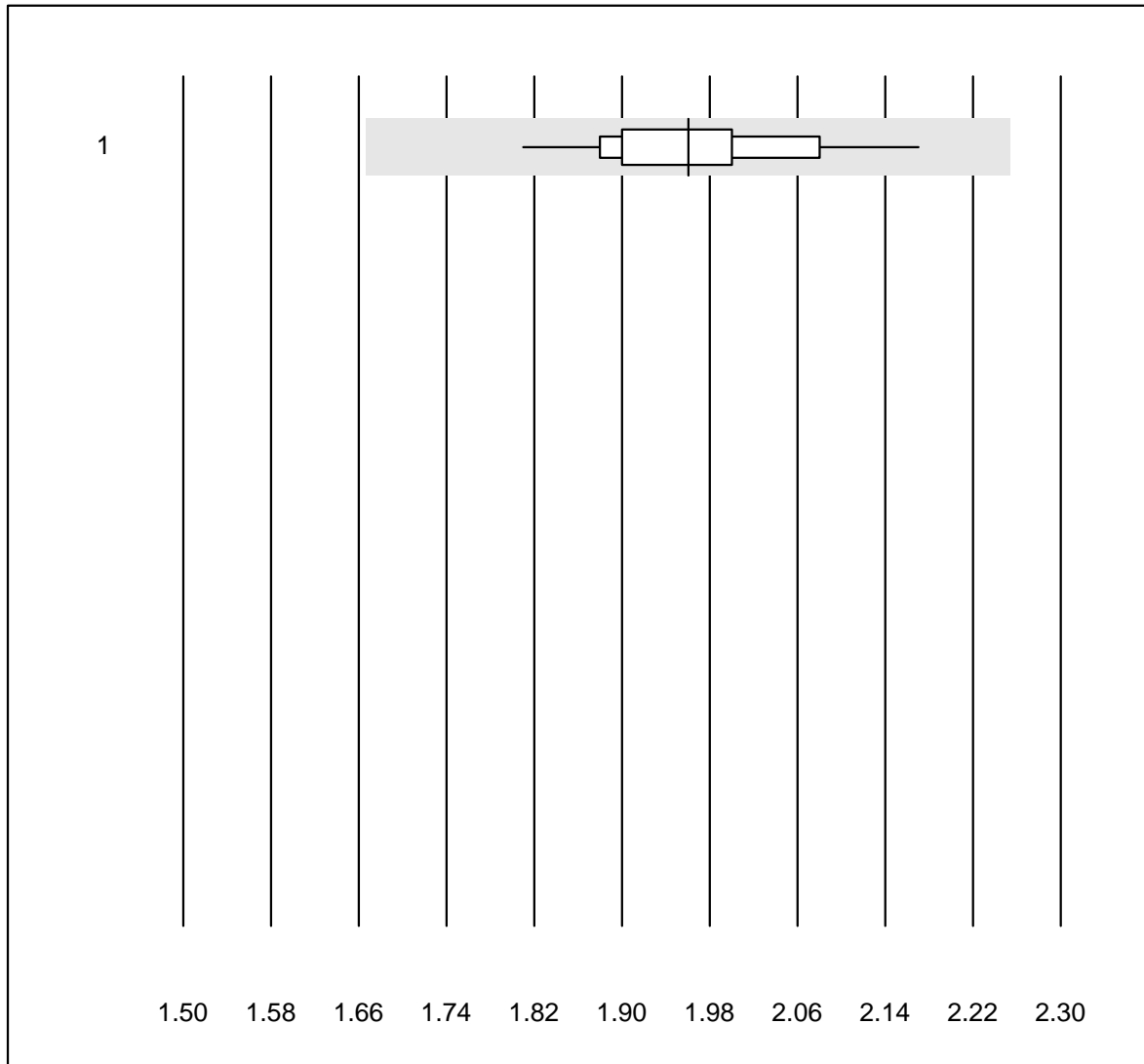


MQ tolerance : 25 %

Anti-Streptolysin-Antibodies (kIU/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	all Participants	12	100.0	0.0	0.0	210	4.1	e
2	Other methods	6	100.0	0.0	0.0	154	4.9	e

## Complement C3



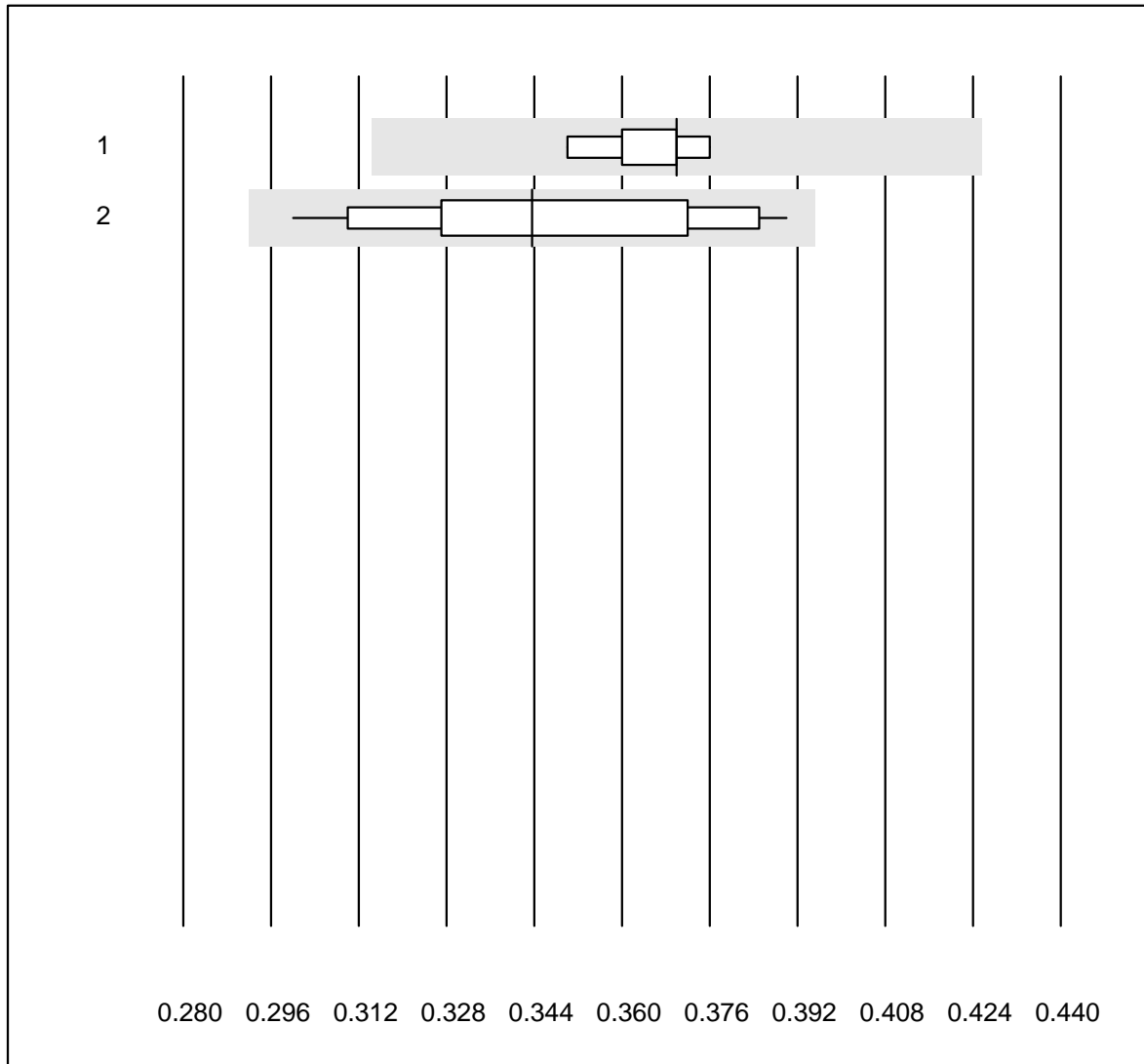
QUALAB tolerance : 15 %

Complement C3 (g/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	all Participants	19	100.0	0.0	0.0	1.96	4.1	e

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

## Complement C4

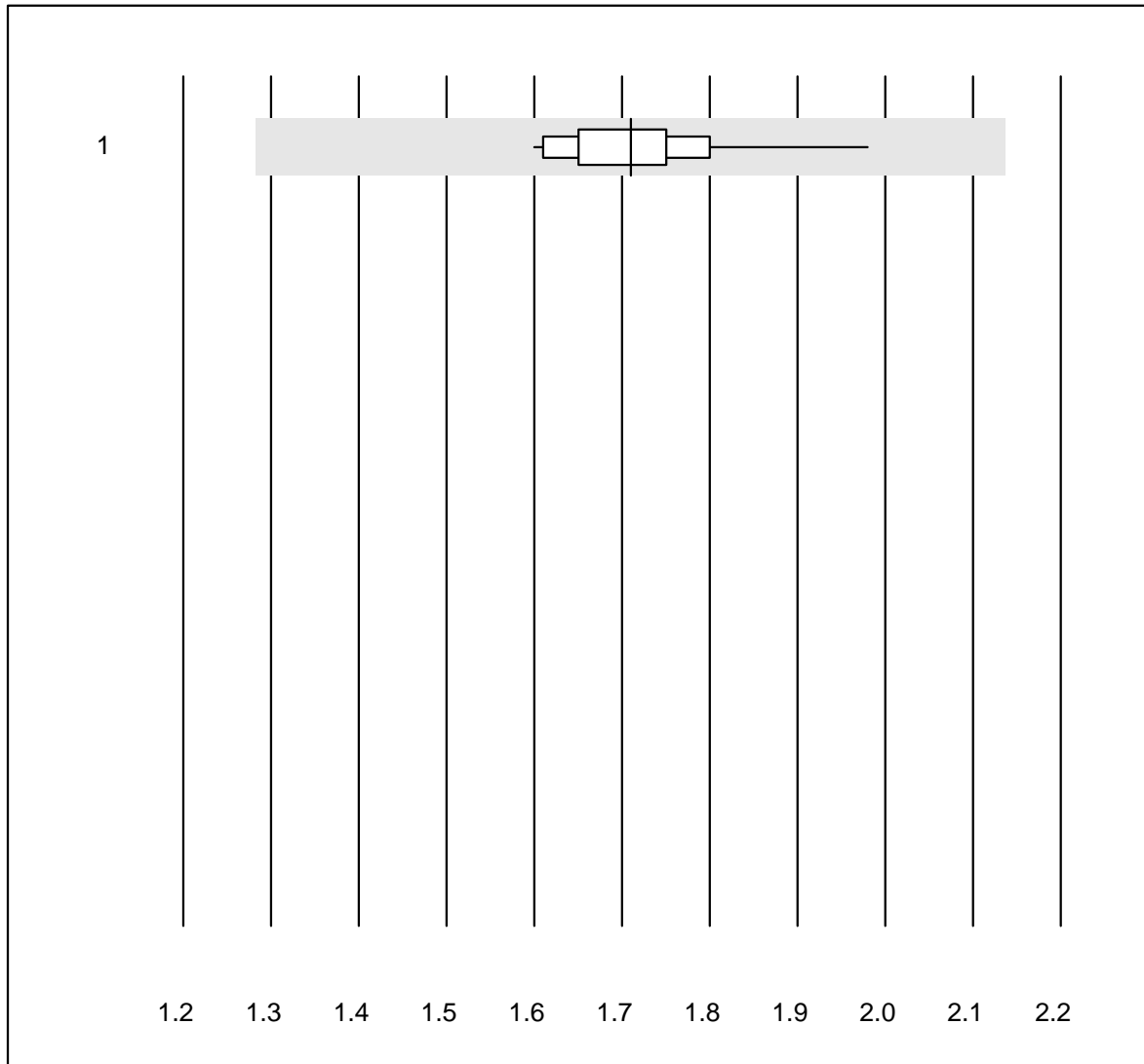


QUALAB tolerance : 15 %

Complement C4 (g/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Alinity	5	100.0	0.0	0.0	0.37	2.8	e
2	Other methods	15	100.0	0.0	0.0	0.34	8.3	e*

# Haptoglobin



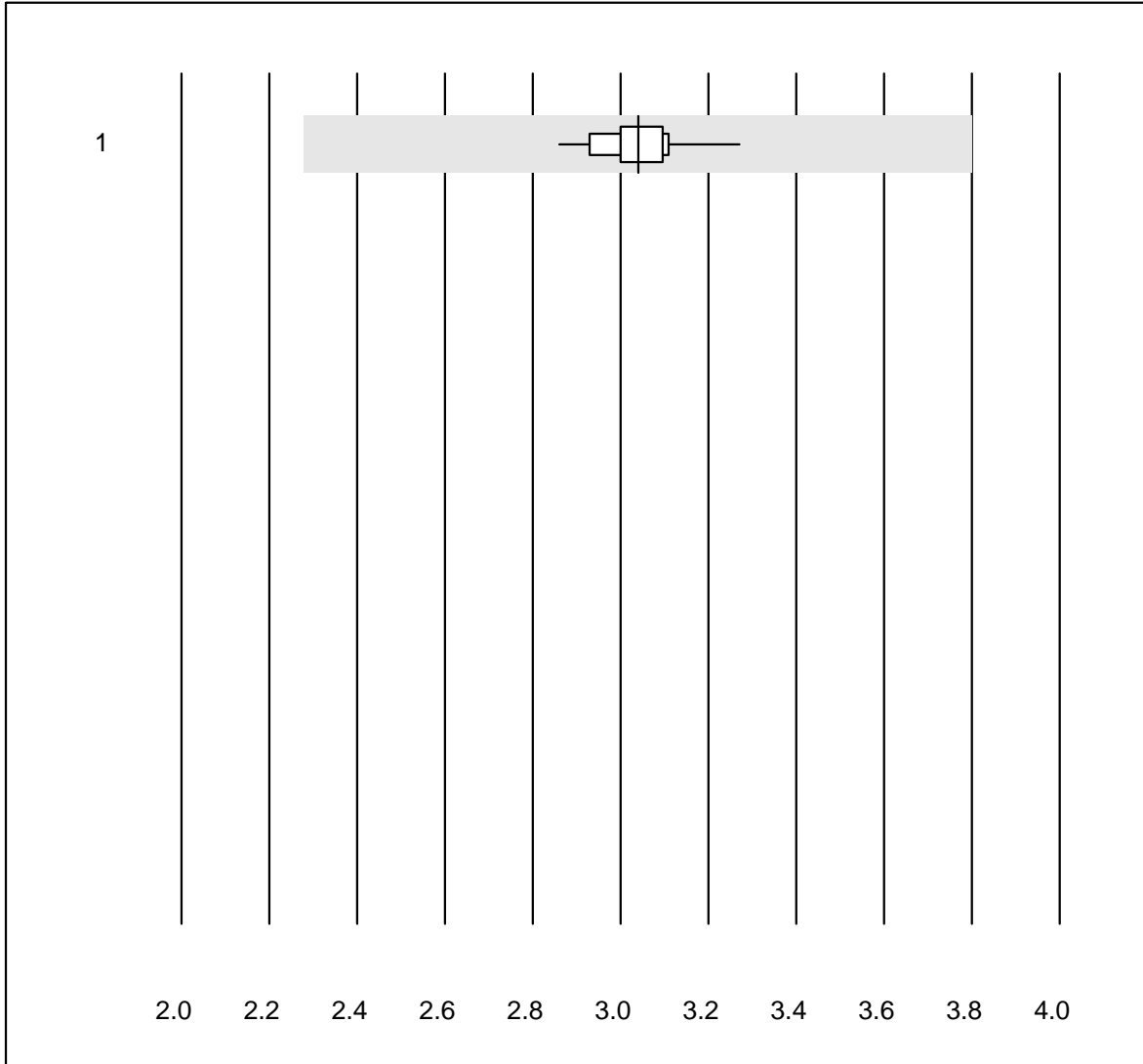
MQ tolerance : 25 %

Haptoglobin (g/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	all Participants	29	100.0	0.0	0.0	1.71	5.0	e



# Transferrin

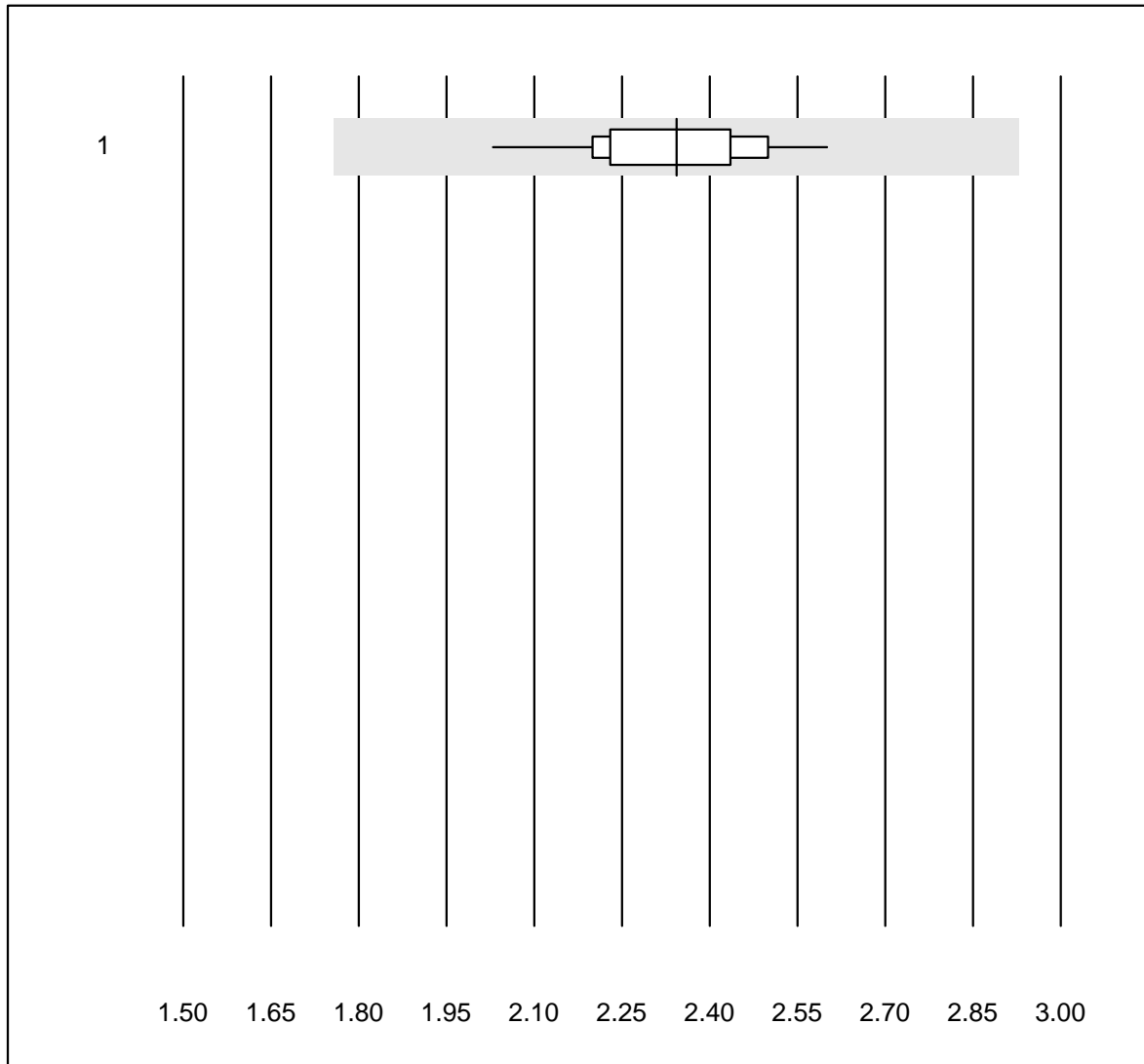


MQ tolerance : 25 %

Transferrin (g/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	all Participants	38	100.0	0.0	0.0	3.04	2.6	e

## Beta-2 microglobuline



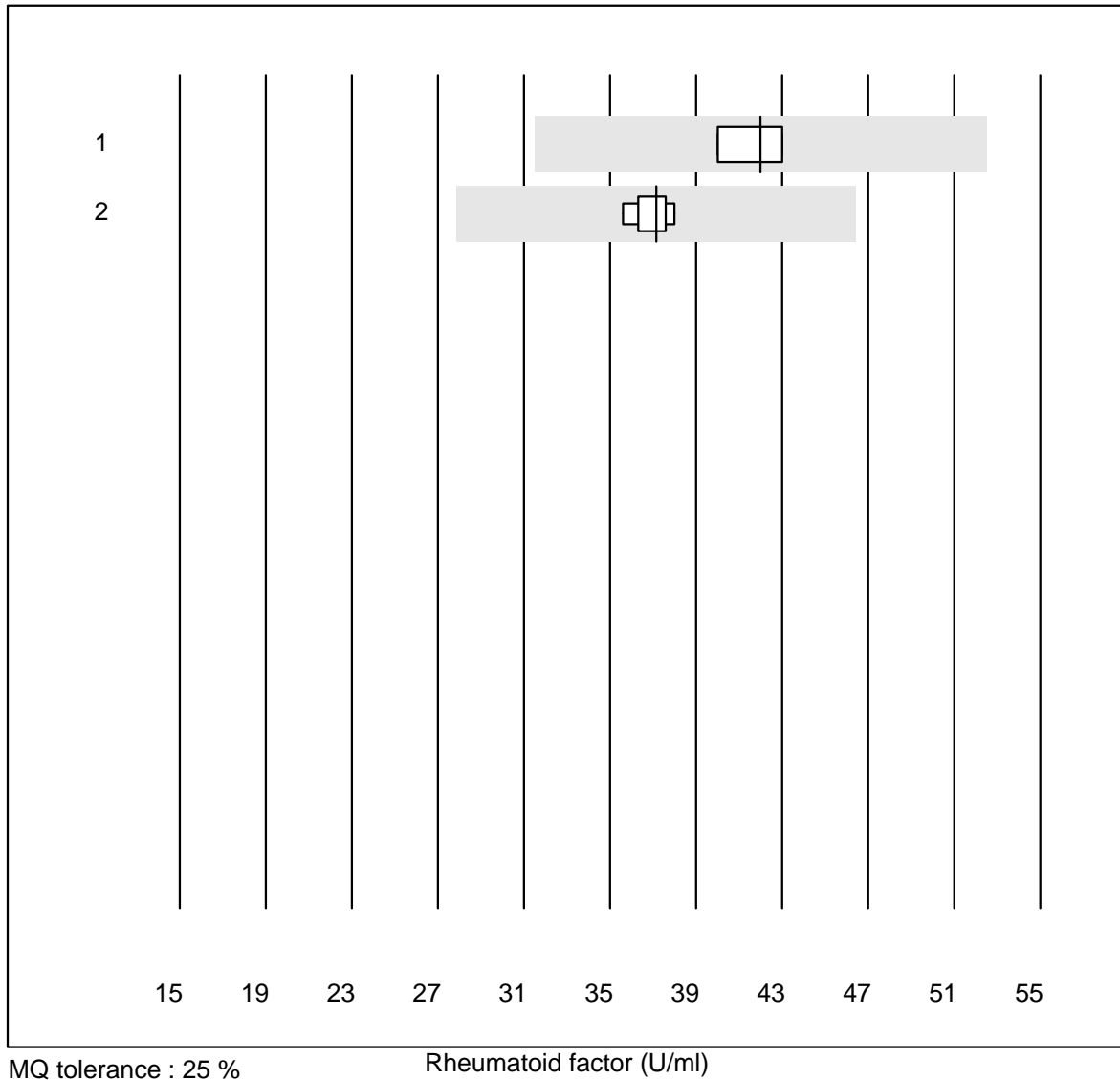
MQ tolerance : 25 %

Beta-2 microglobuline (mg/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	all Participants	12	100.0	0.0	0.0	2.34	6.7	e

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

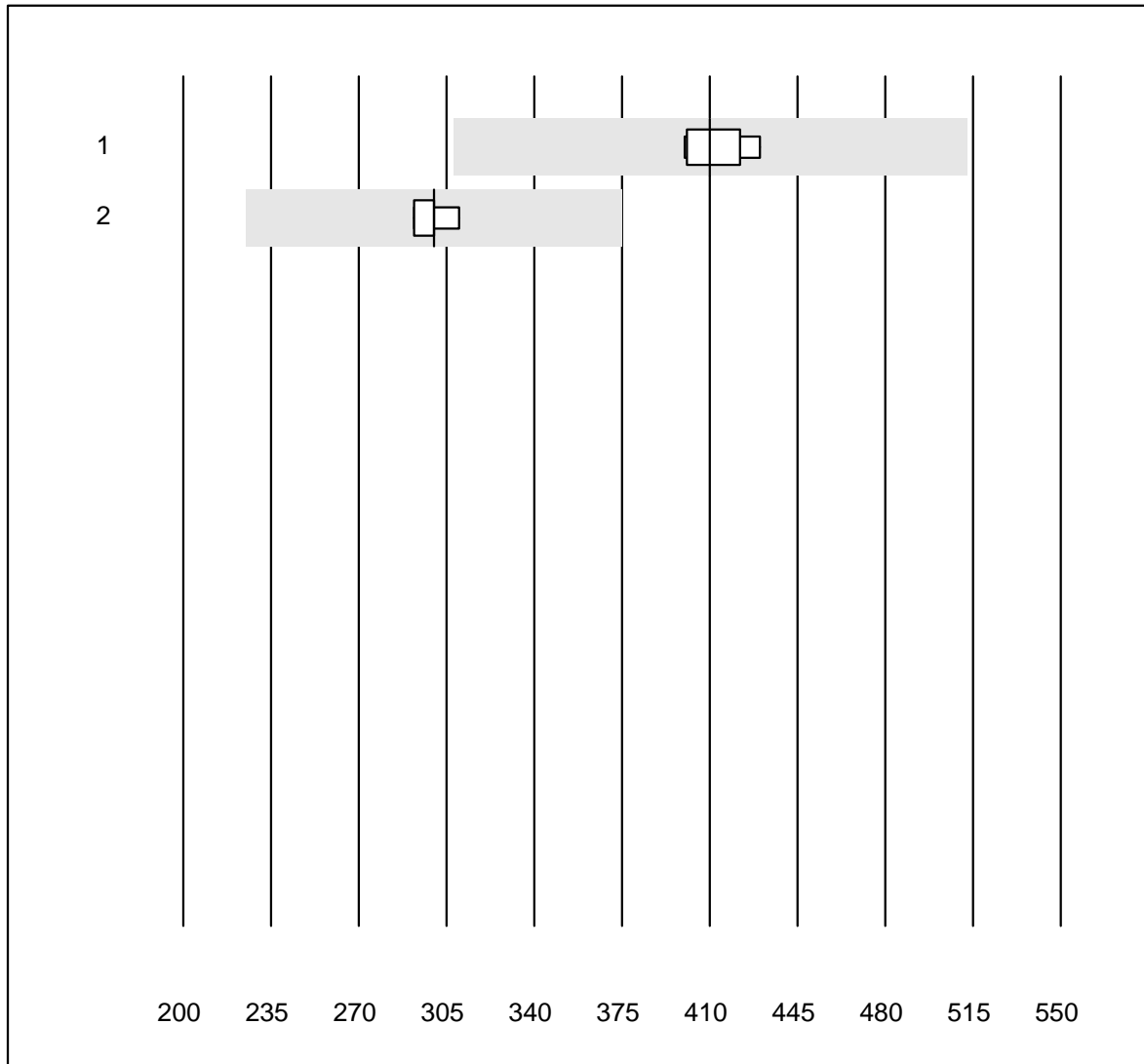
## Rheumatoid factor



No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	7	100.0	0.0	0.0	42.0	3.2	e
2	Other methods	8	100.0	0.0	0.0	37.2	2.2	e

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

# Ceruloplasmin

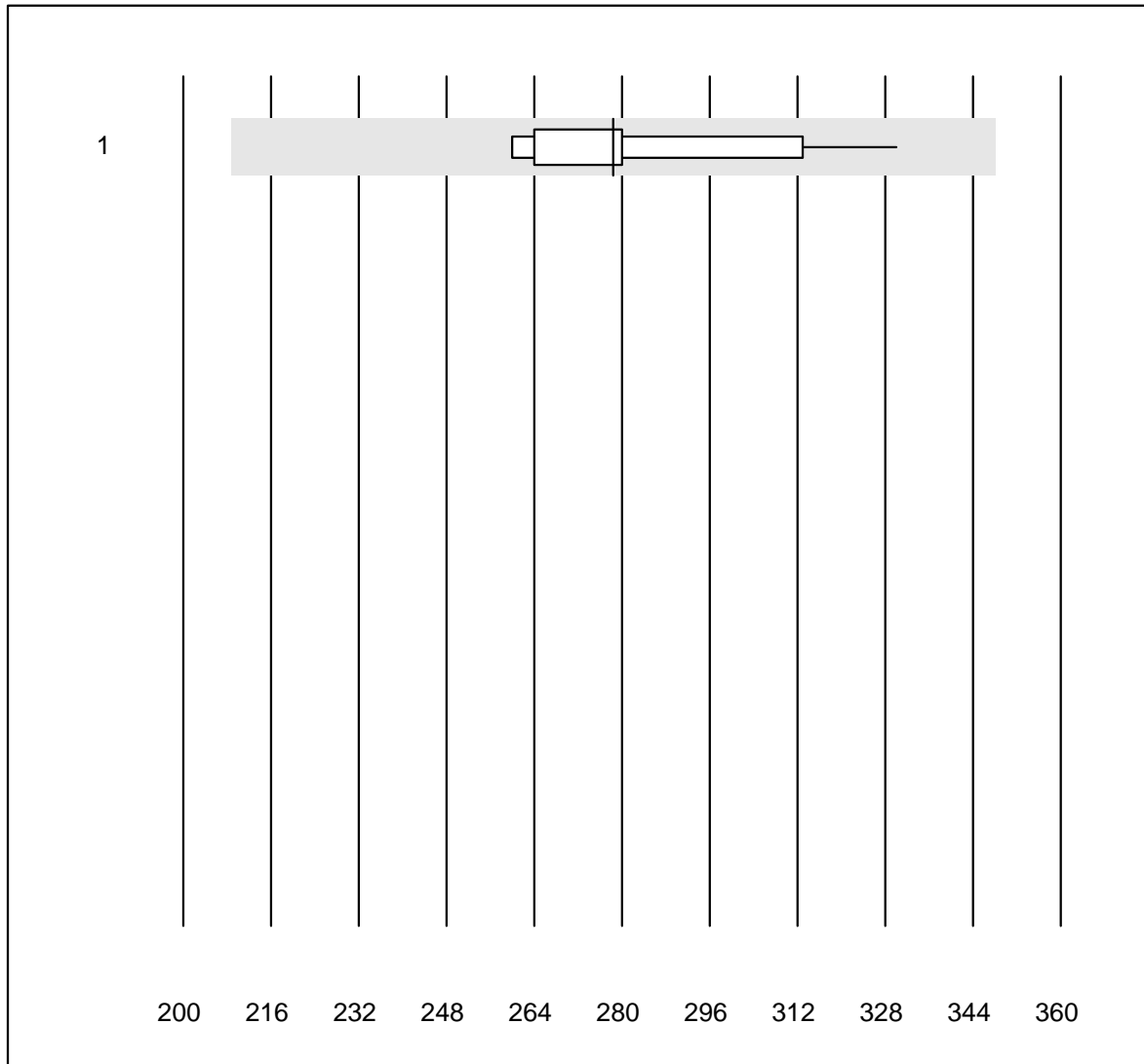


MQ tolerance : 25 %

Ceruloplasmin (mg/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Siemens	9	100.0	0.0	0.0	410.00	2.9	e
2	Other methods	4	100.0	0.0	0.0	300.00	2.5	e

# Prealbumin

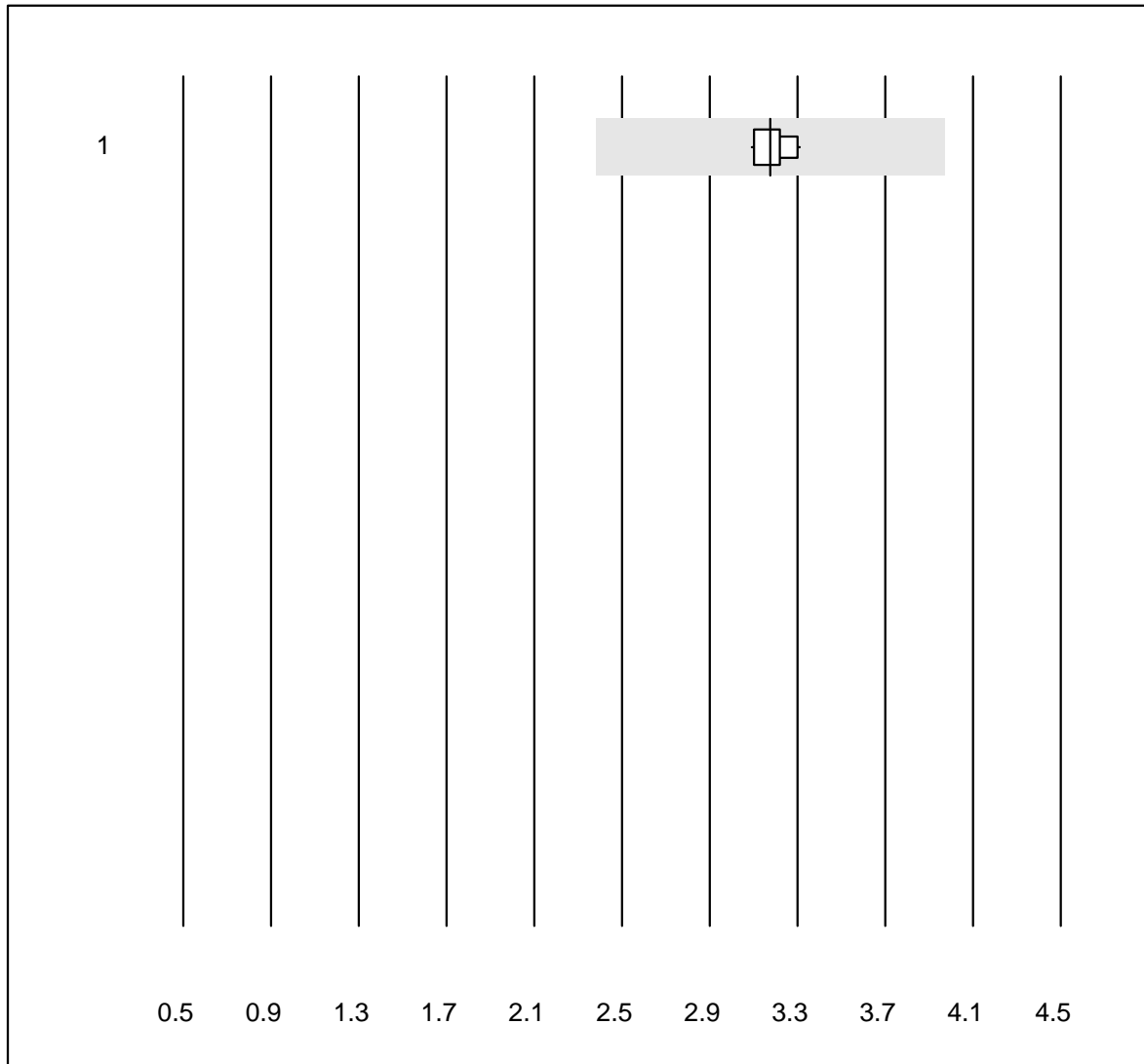


MQ tolerance : 25 %

Prealbumin (mg/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 all Participants	19	100.0	0.0	0.0	278.39	6.7	e

## Soluble transferrin receptor



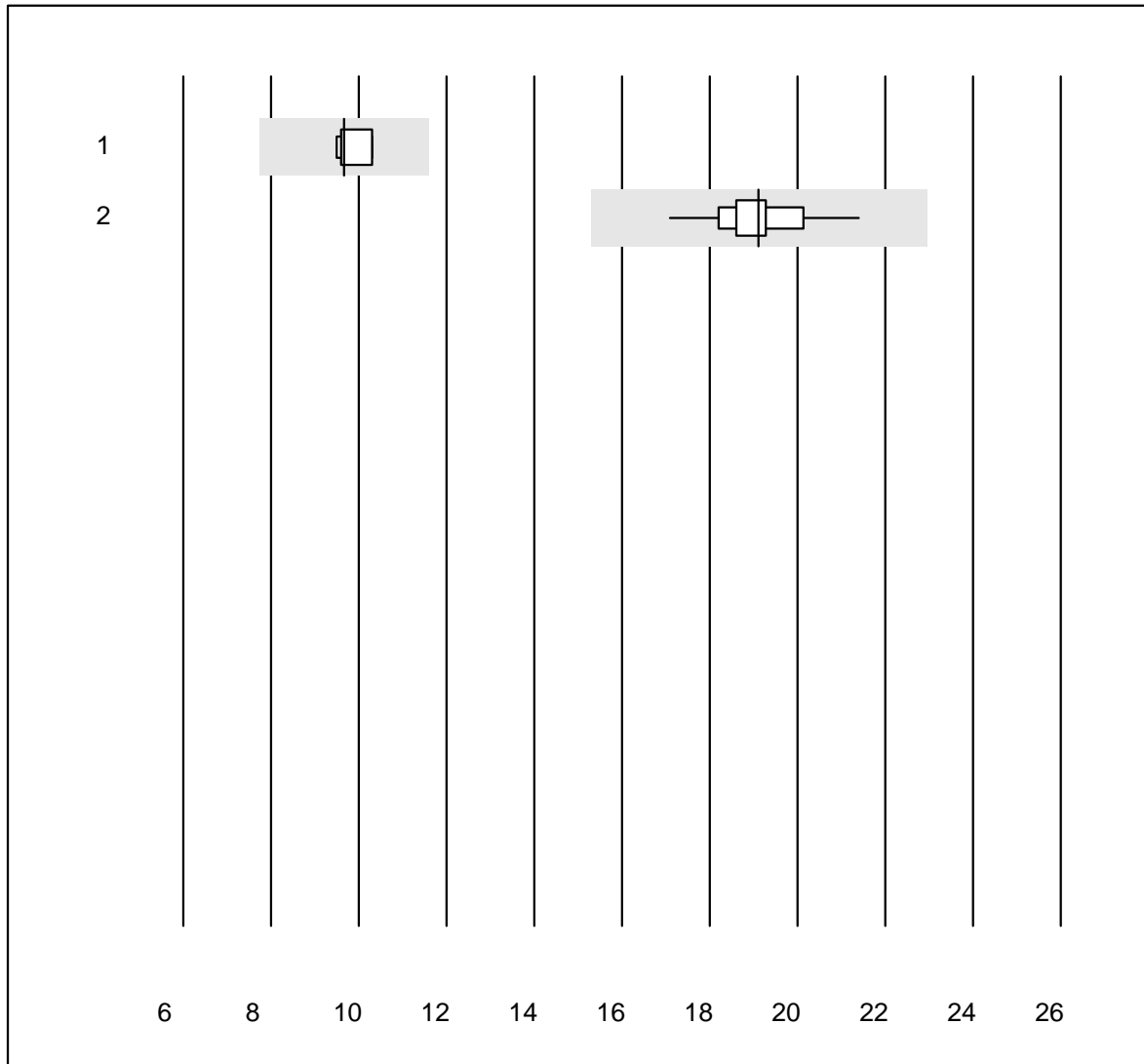
MQ tolerance : 25 %

Soluble transferrin receptor (mg/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	all Participants	14	100.0	0.0	0.0	3.2	2.3	e

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

### free light chain kappa

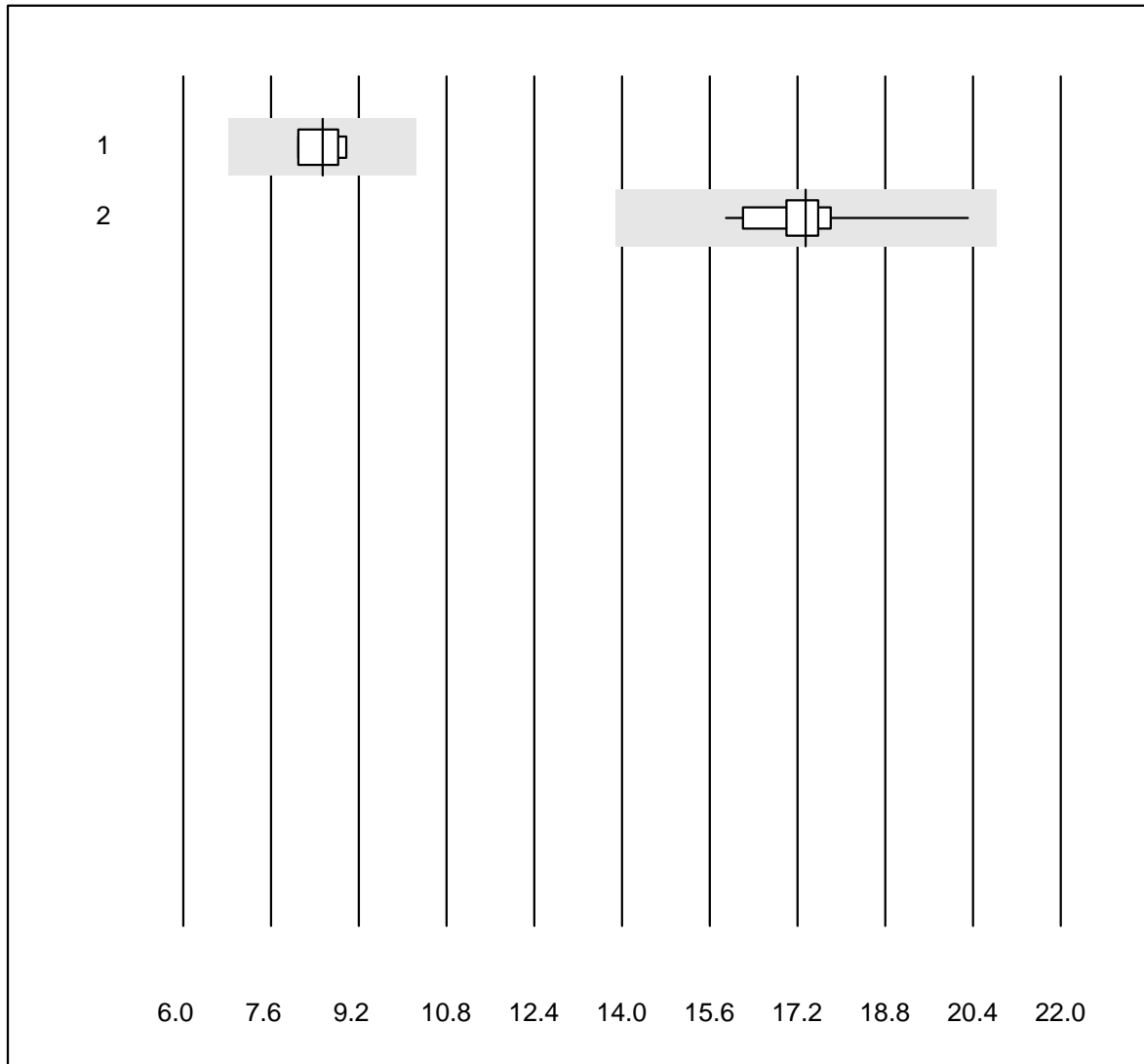


QUALAB tolerance : 20 %

free light chain kappa (mg/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	N Latex	6	83.3	0.0	16.7	9.67	3.9	e
2	Freelite	16	100.0	0.0	0.0	19.11	5.0	e

### free light chain lambda



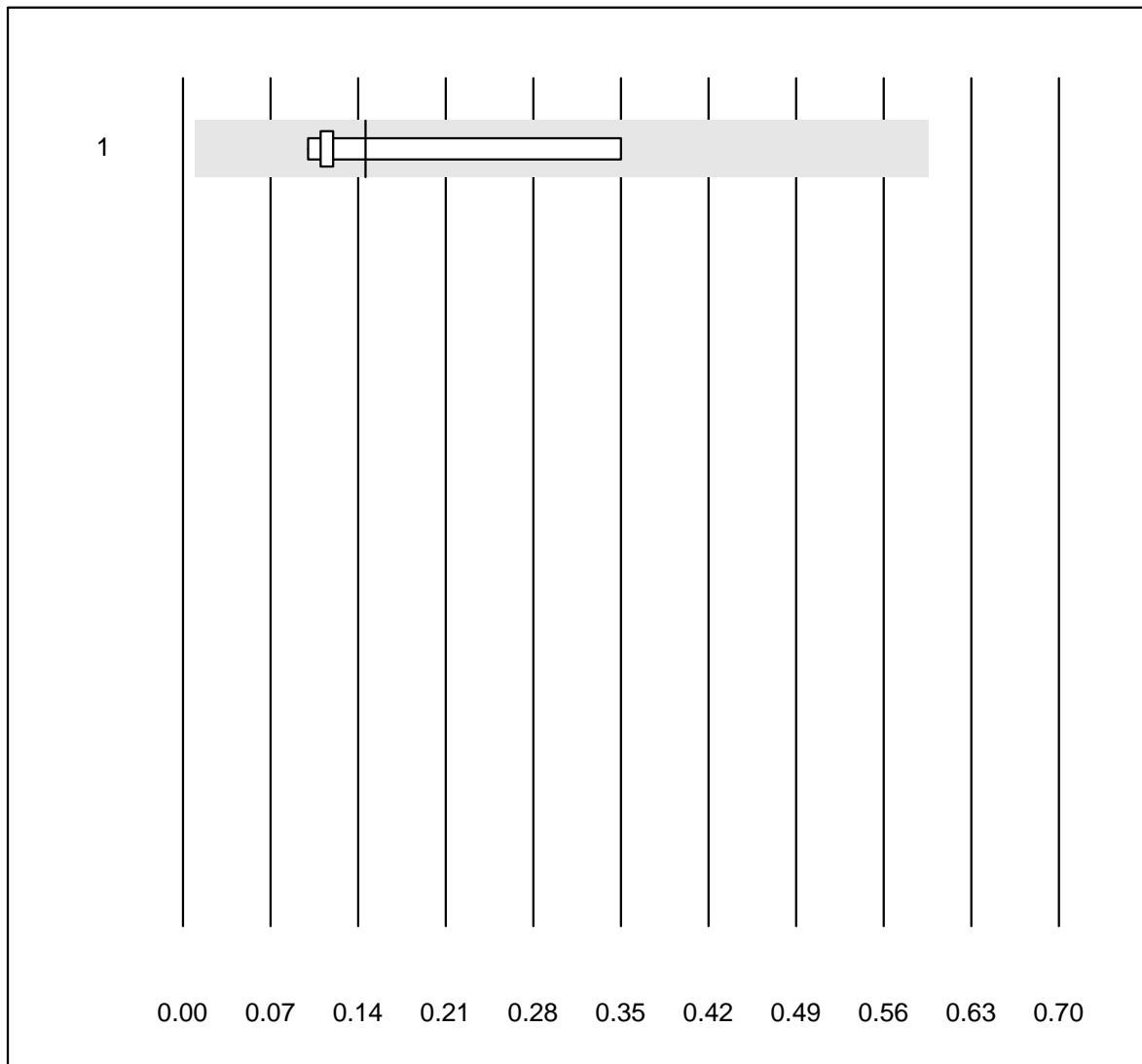
QUALAB tolerance : 20 %

free light chain lambda (mg/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	N Latex	6	100.0	0.0	0.0	8.54	4.3	e
2	Freelite	16	100.0	0.0	0.0	17.35	5.5	e



### IgE peanut qn

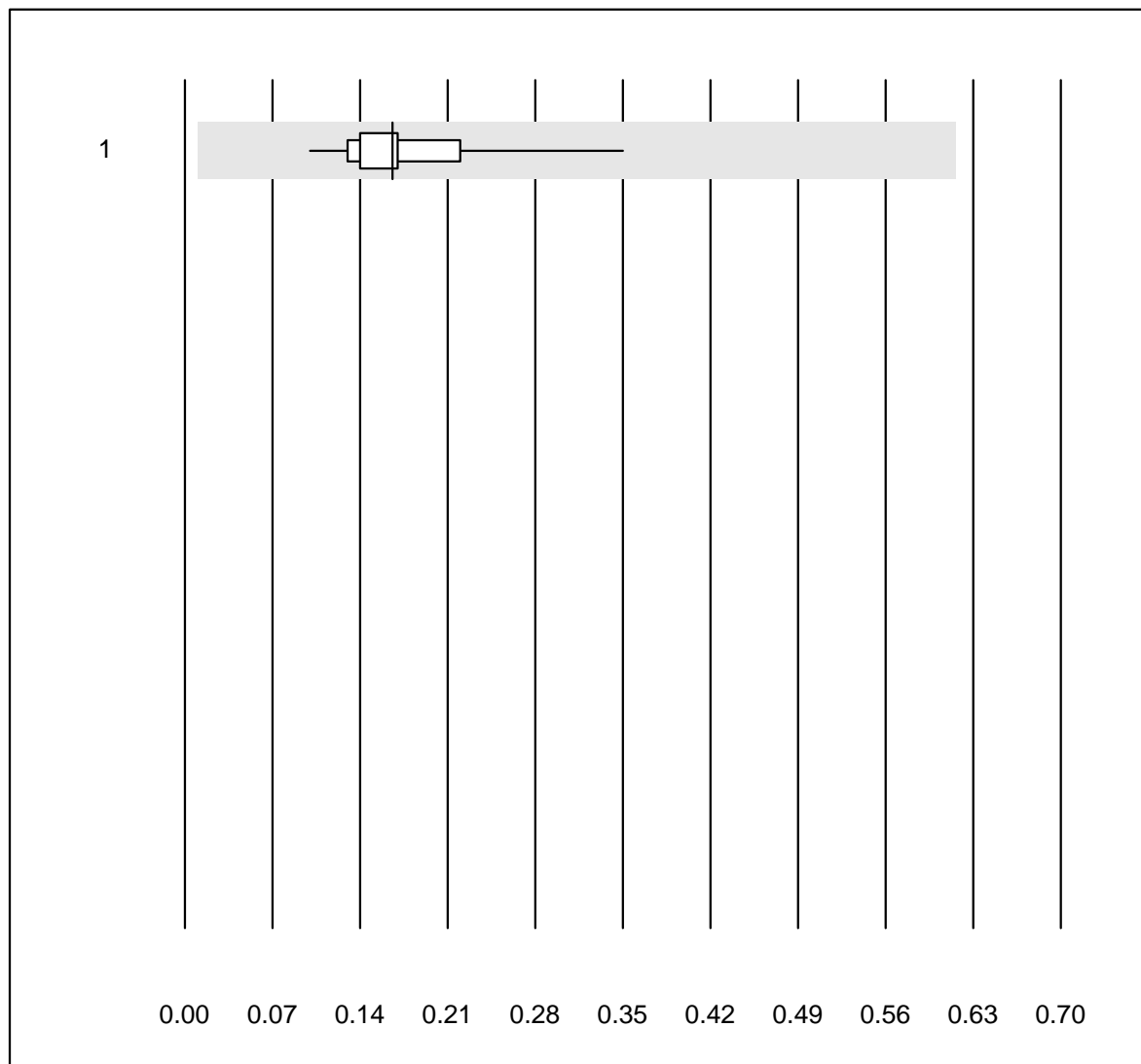


MQ tolerance : 30 %  
 (< 1.50: +/- 0.45 kU/L)

IgE peanut qn (kU/L)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 all Participants	14	100.0	0.0	0.0	0.15	59.6	e*

### IgE birch qn

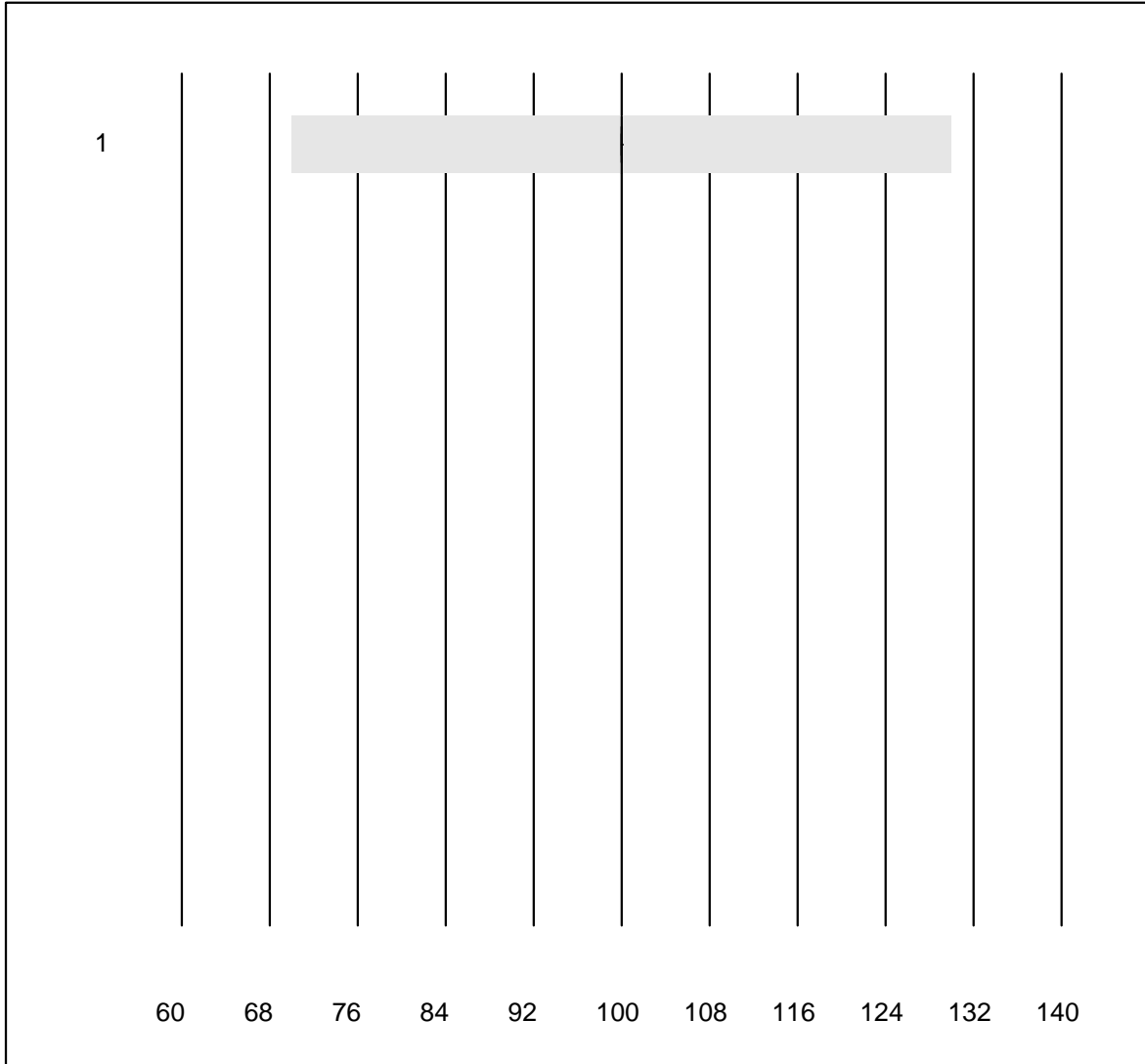


QUALAB tolerance : 30 %  
 (< 1.50: +/- 0.45 kU/L)

IgE birch qn (kU/L)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 all Participants	15	100.0	0.0	0.0	0.17	34.7	e*

# IgE cat qn

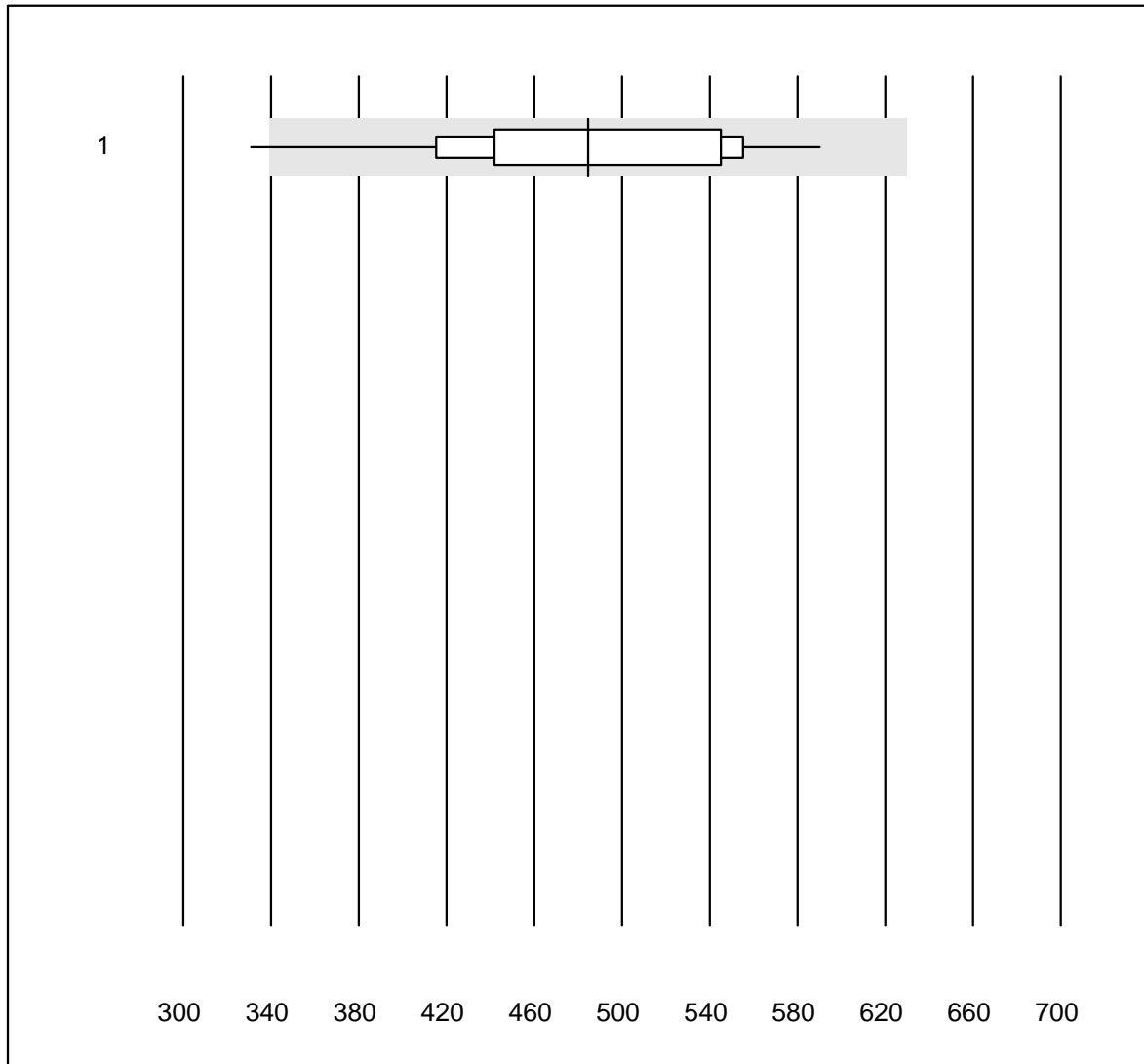


QUALAB tolerance : 30 %

IgE cat qn (kU/L)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	all Participants	14	100.0	0.0	0.0	100.00	0.0	e

## IgE total



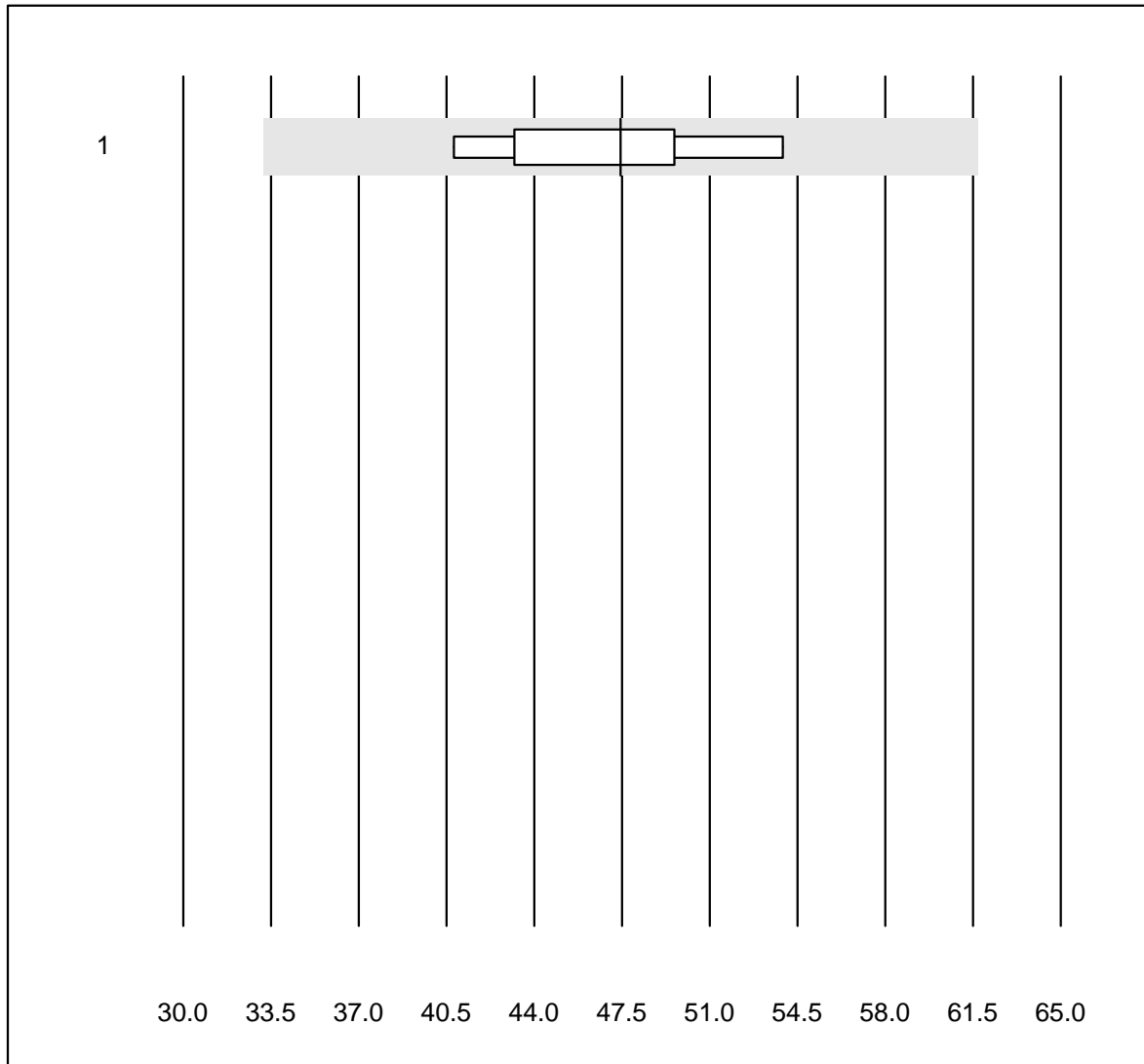
QUALAB tolerance : 30 %

IgE total (kU/L)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	all Participants	14	92.9	7.1	0.0	485	13.9	e*

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

### IgE sx1 qn

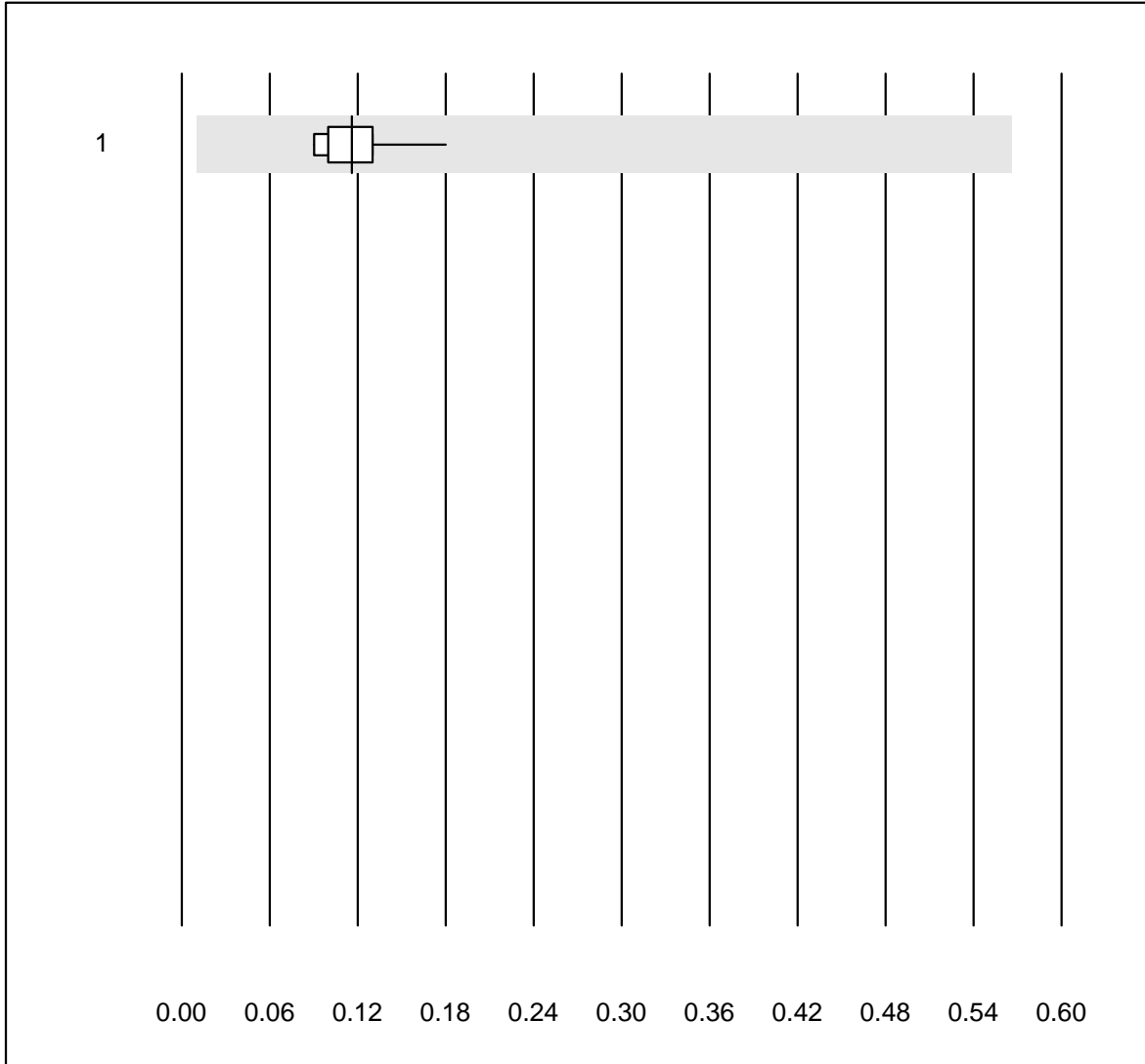


MQ tolerance : 30 %

IgE sx1 qn (kU/L)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	all Participants	10	90.0	0.0	10.0	47.46	8.9	e

### IgE fx5 qn

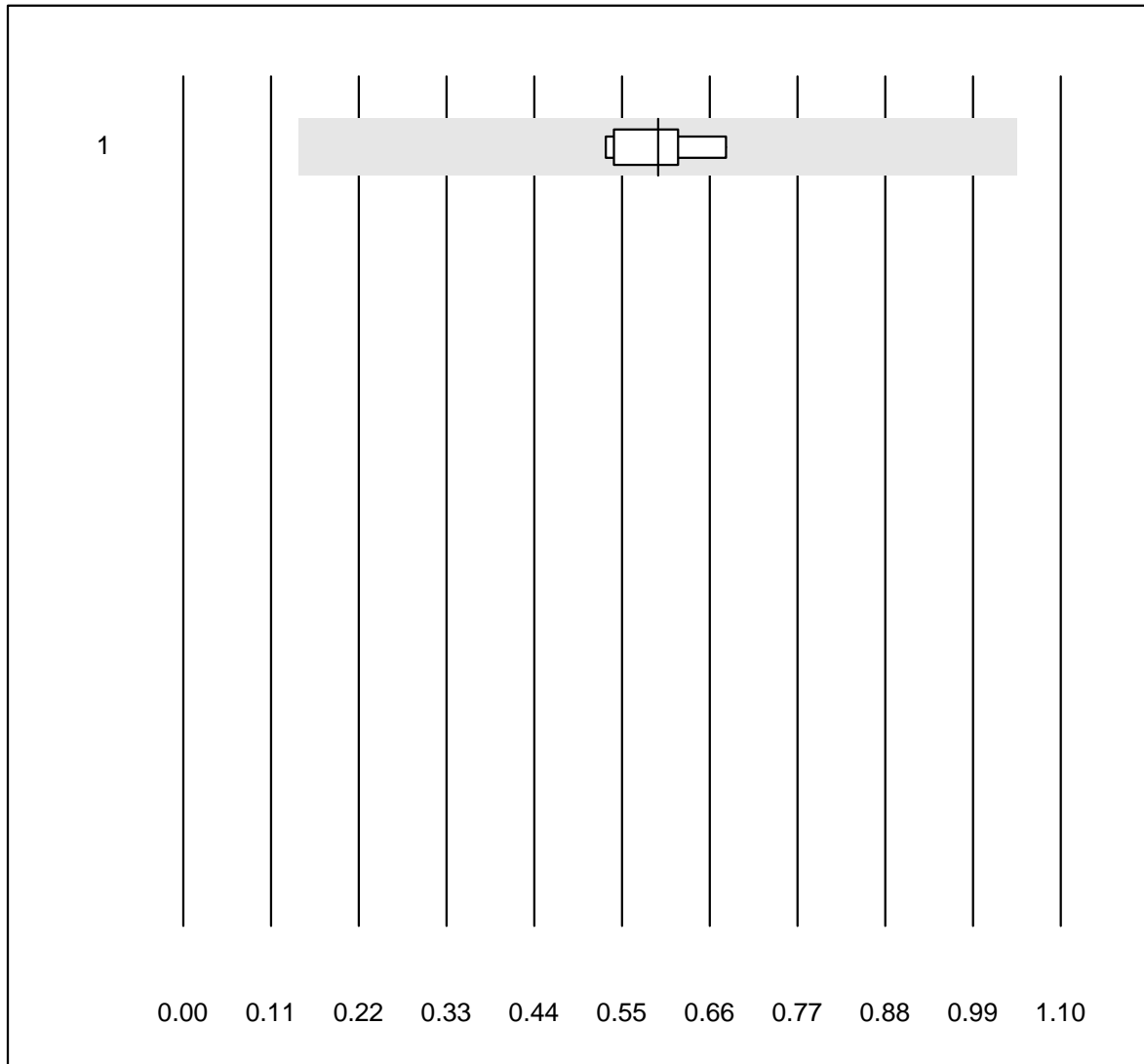


MQ tolerance : 30 %  
 (< 1.50: +/- 0.45 kU/L)

IgE fx5 qn (kU/L)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	all Participants	10	100.0	0.0	0.0	0.12	22.7	e*

## IgE rx1qn

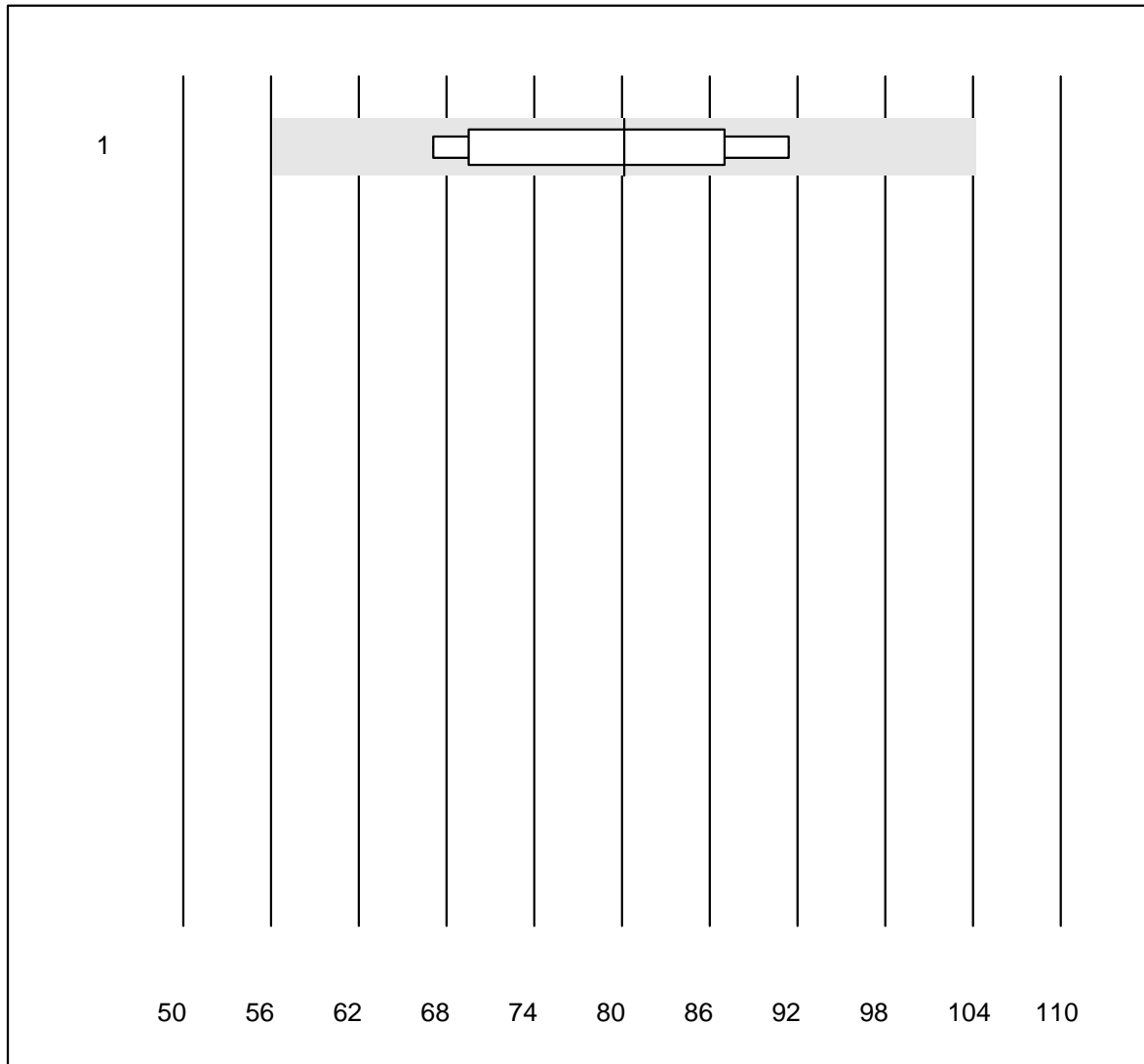


MQ tolerance : 30 %  
 (< 1.50: +/- 0.45 kU/L)

IgE rx1qn (kU/L)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 all Participants	8	100.0	0.0	0.0	0.60	8.9	e

## IgE rx2 qn



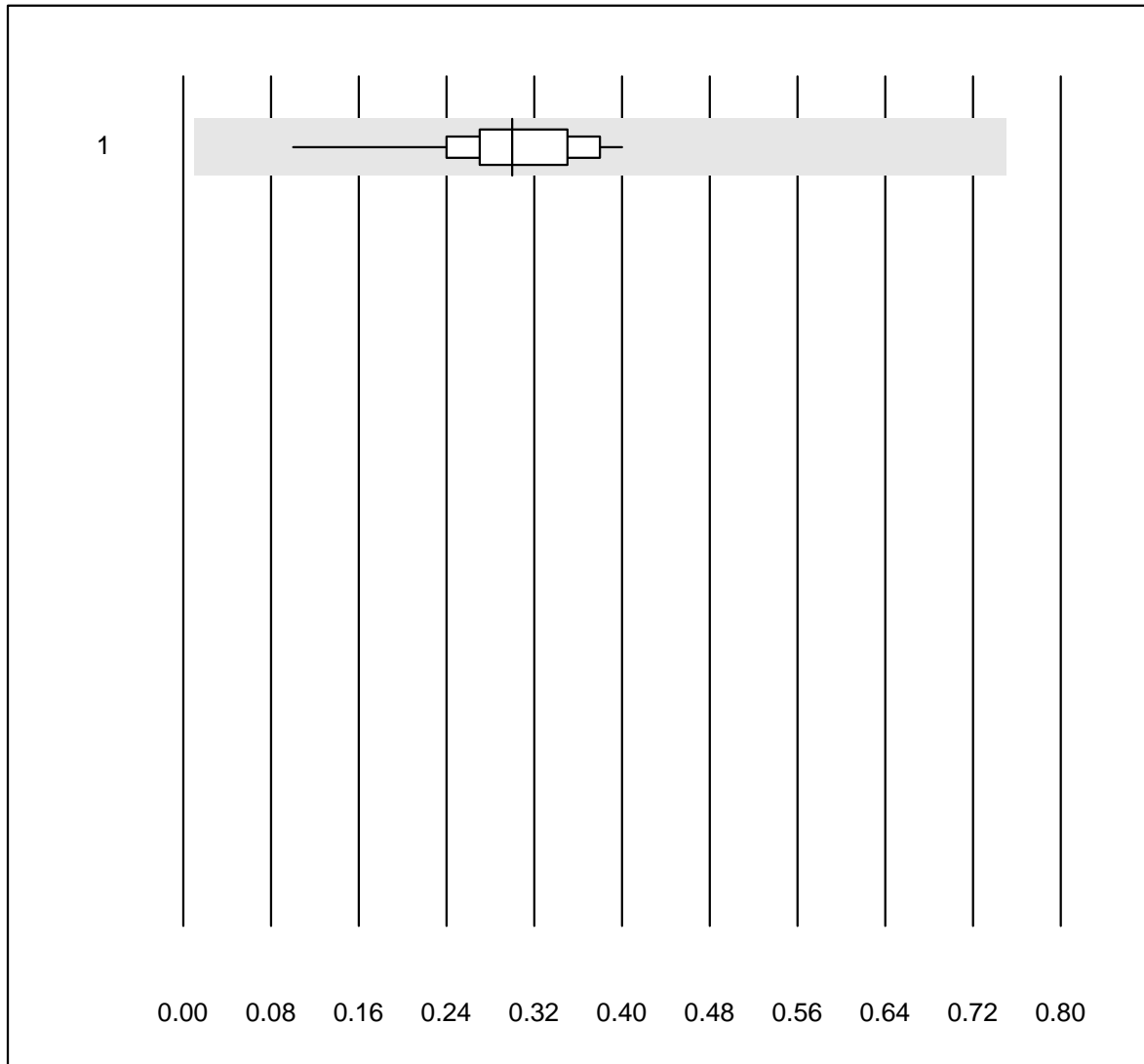
MQ tolerance : 30 %

IgE rx2 qn (kU/L)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	all Participants	8	100.0	0.0	0.0	80.15	11.5	e*



## IgE D. pteronyssinus qn

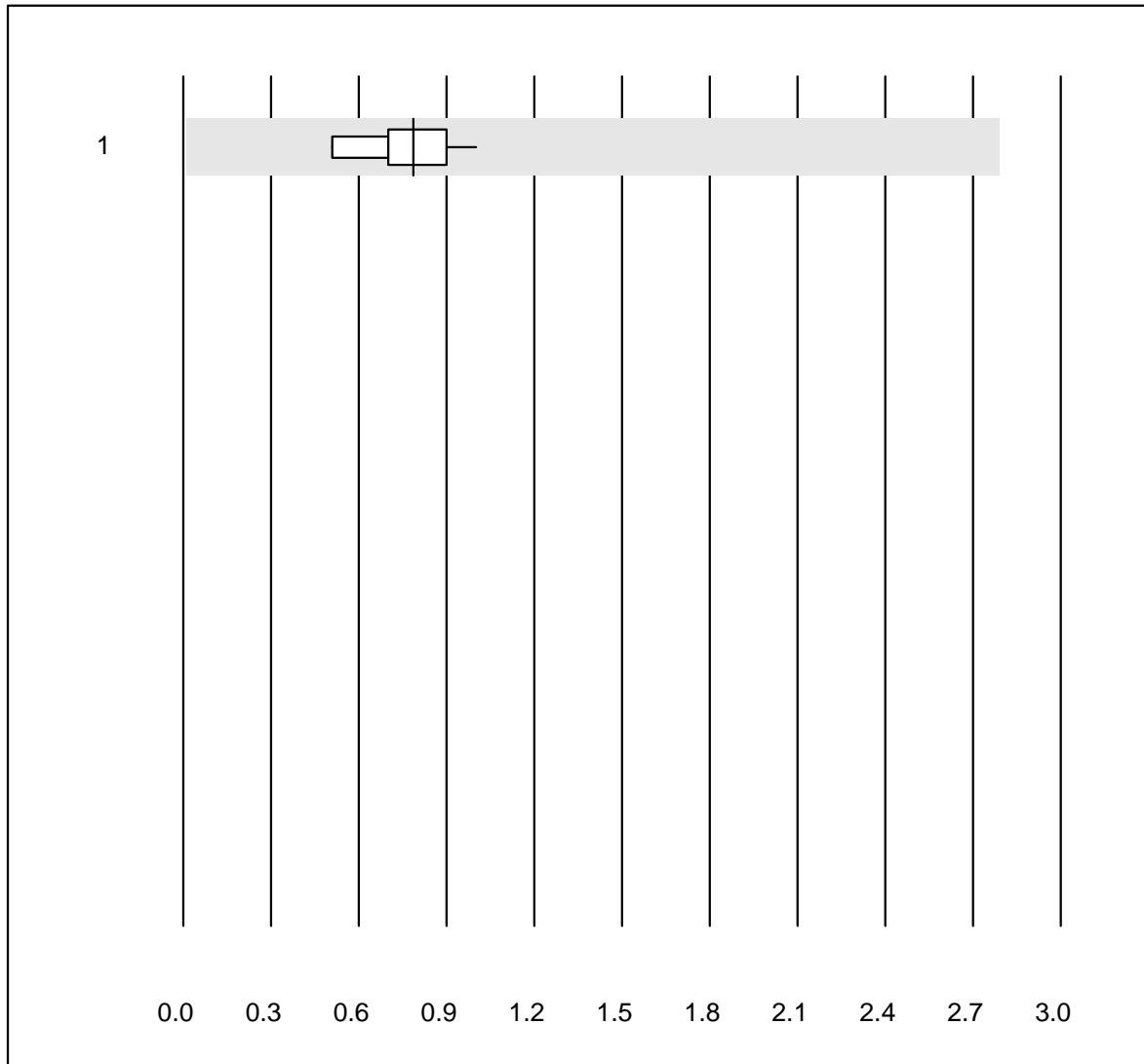


QUALAB tolerance : 30 %  
( < 1.50: +/- 0.45 kU/L)

IgE D. pteronyssinus qn (kU/L)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	all Participants	12	100.0	0.0	0.0	0.30	25.9	e*

# CRP HS



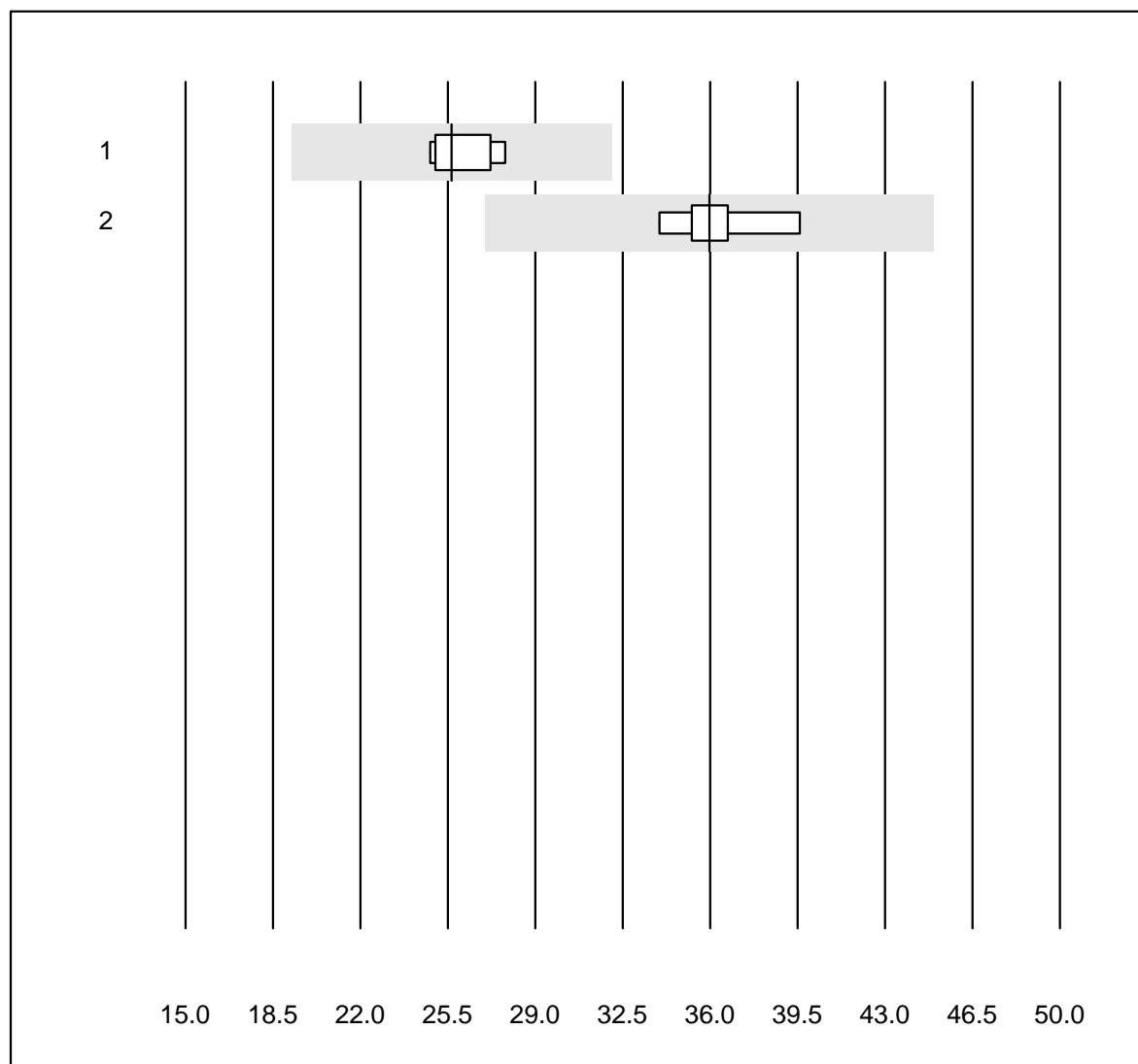
QUALAB tolerance : 21 %  
 (< 10.00: +/- 2.00 mg/l)

CRP HS (mg/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Turbidimetry	10	100.0	0.0	0.0	0.79	18.2	e*

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

## Lipoprotein (a)

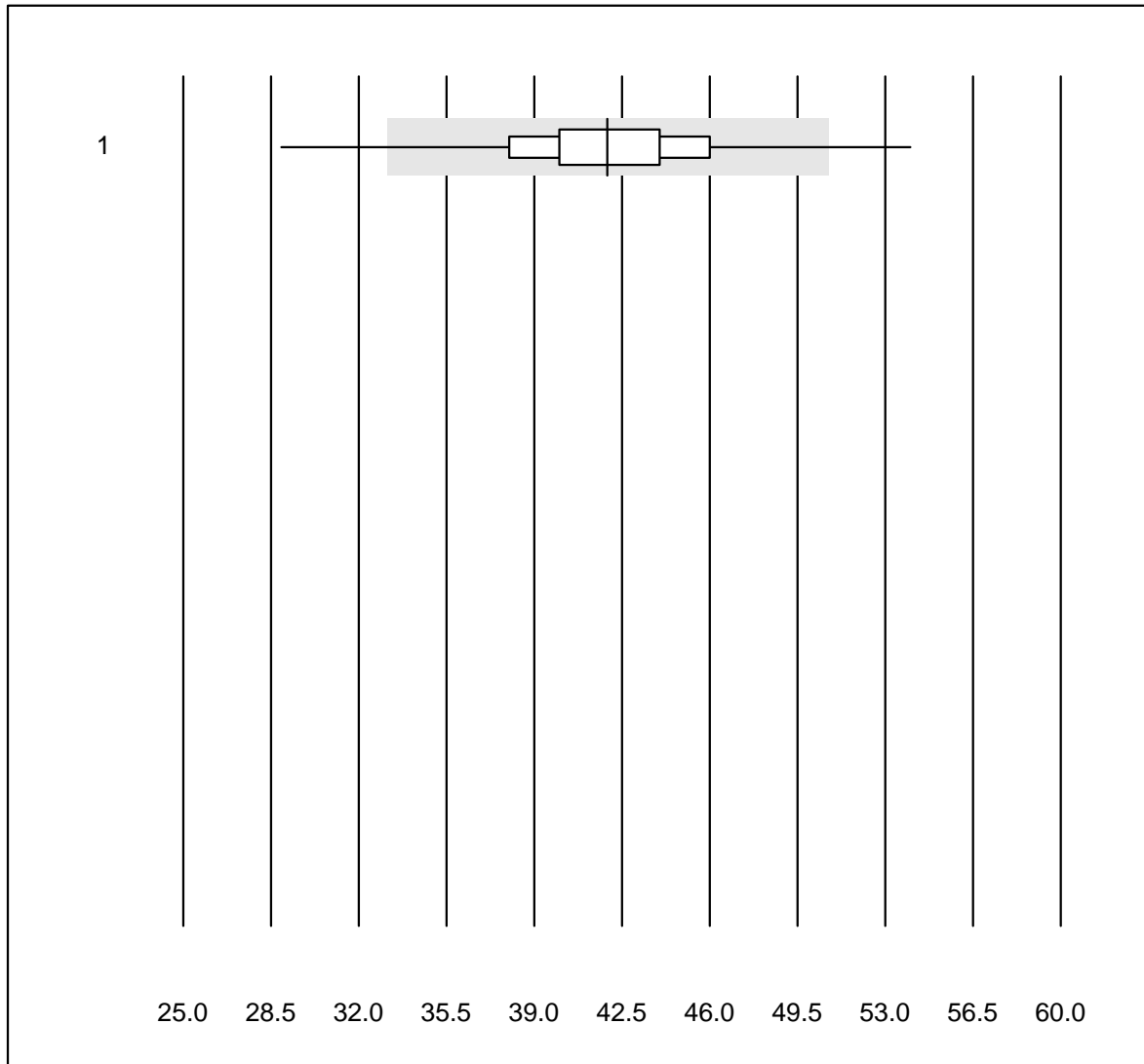


MQ tolerance : 25 %

Lipoprotein (a) (nmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	all Participants	6	100.0	0.0	0.0	26	4.9	e
2	Others	5	100.0	0.0	0.0	36	5.8	e

# CRP

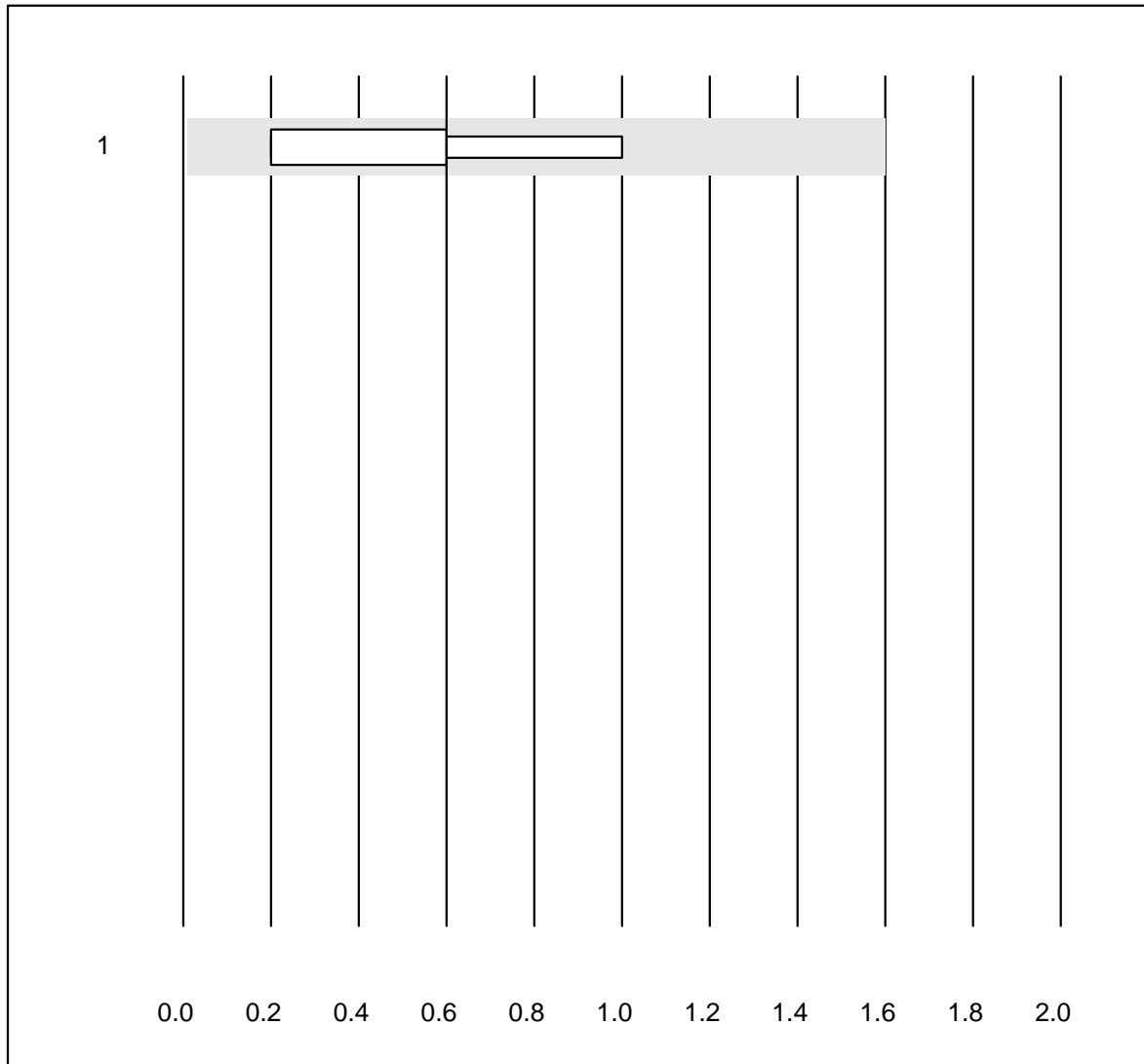


QUALAB tolerance : 21 %

CRP (mg/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 AFIAS	179	91.1	2.8	6.1	41.9	8.7	e

## Anti deam. Gliadin IgG



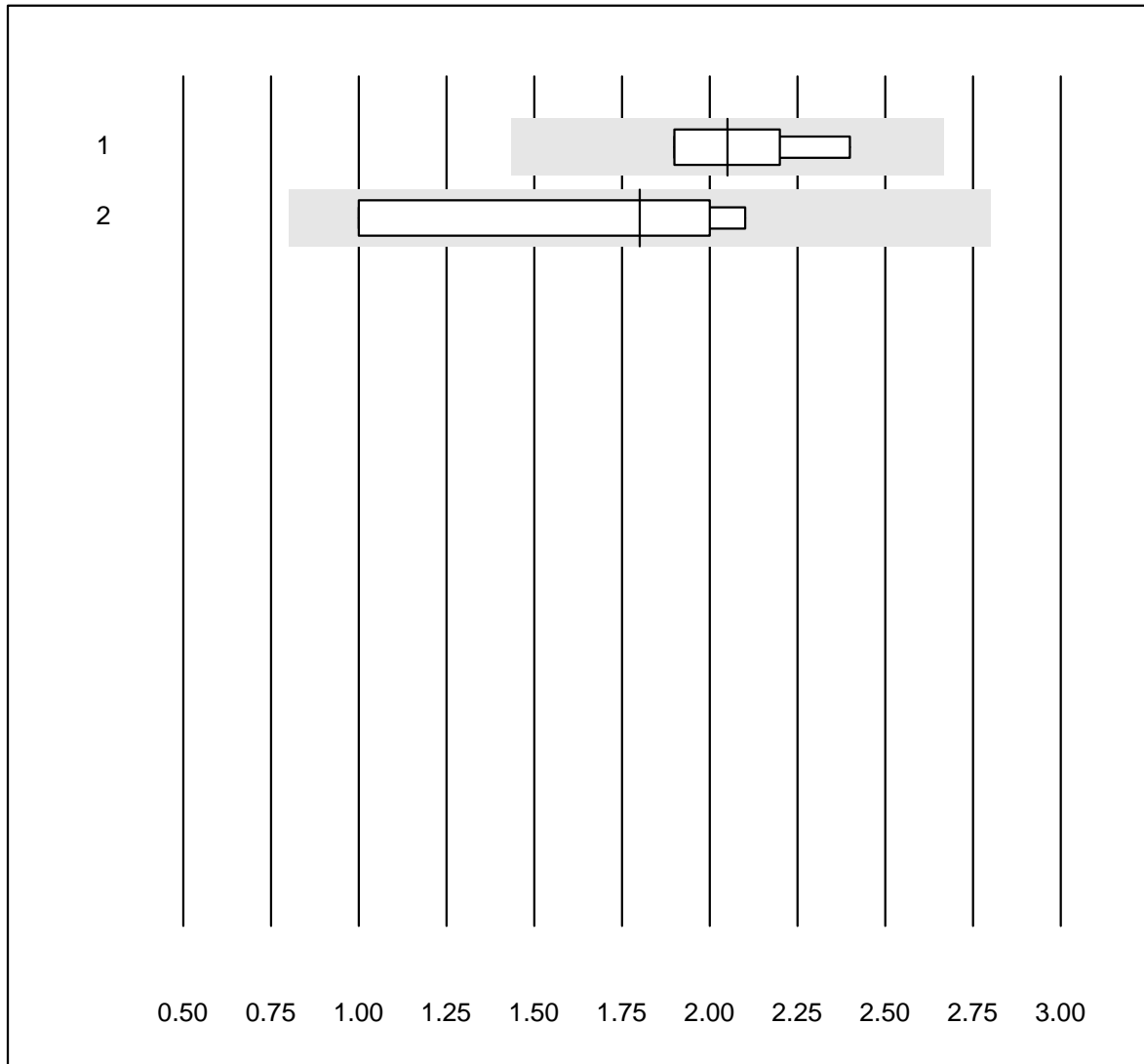
MQ tolerance : 30 %  
 (< 2.00: +/- 1.00 U/ml)

Anti deam. Gliadin IgG (U/ml)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 Phadia	4	100.0	0.0	0.0	0.60	54.4	e*

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

## Anti deam. Gliadin IgA

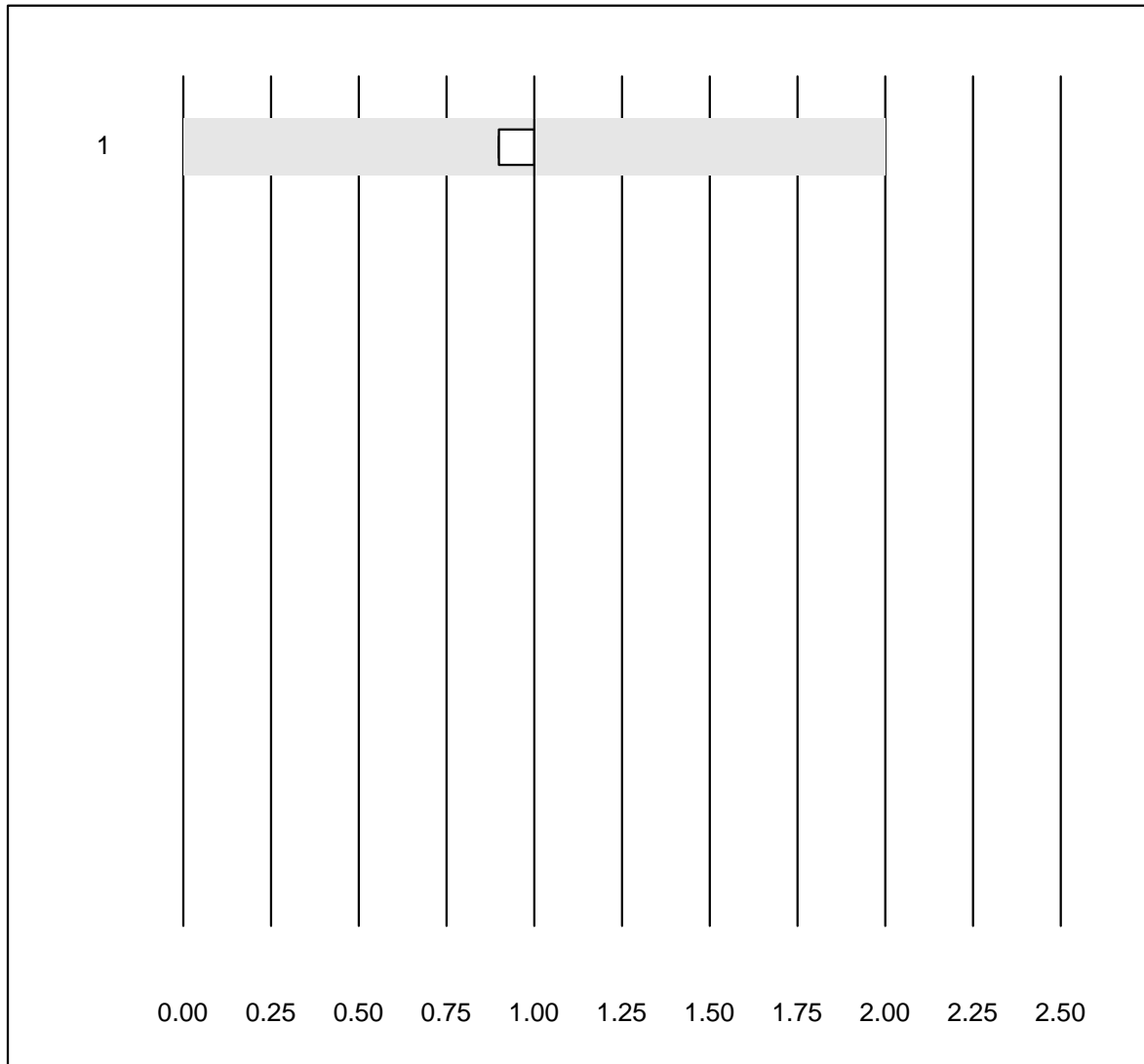


MQ tolerance : 30 %  
 (< 2.00: +/- 1.00 U/ml)

Anti deam. Gliadin IgA (U/ml)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Other methods	4	100.0	0.0	0.0	2.05	11.7	e*
2	Phadia	4	100.0	0.0	0.0	1.80	29.8	e*

## Anti tTG IgG

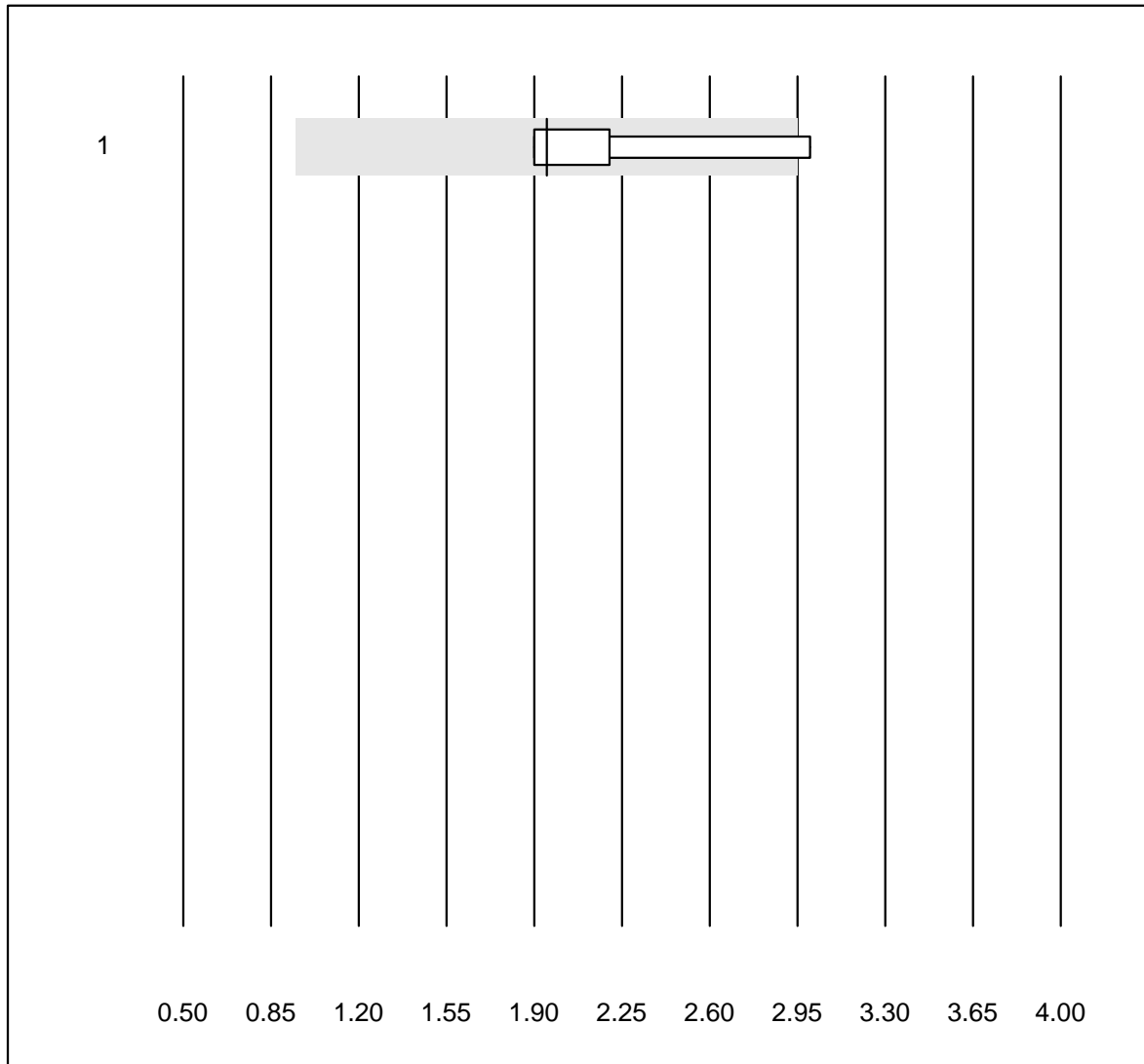


MQ tolerance : 30 %  
 (< 2.00: +/- 1.00 U/ml)

Anti tTG IgG (U/ml)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 Other methods	4	100.0	0.0	0.0	1.00	5.1	e

## Anti tTG IgA



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

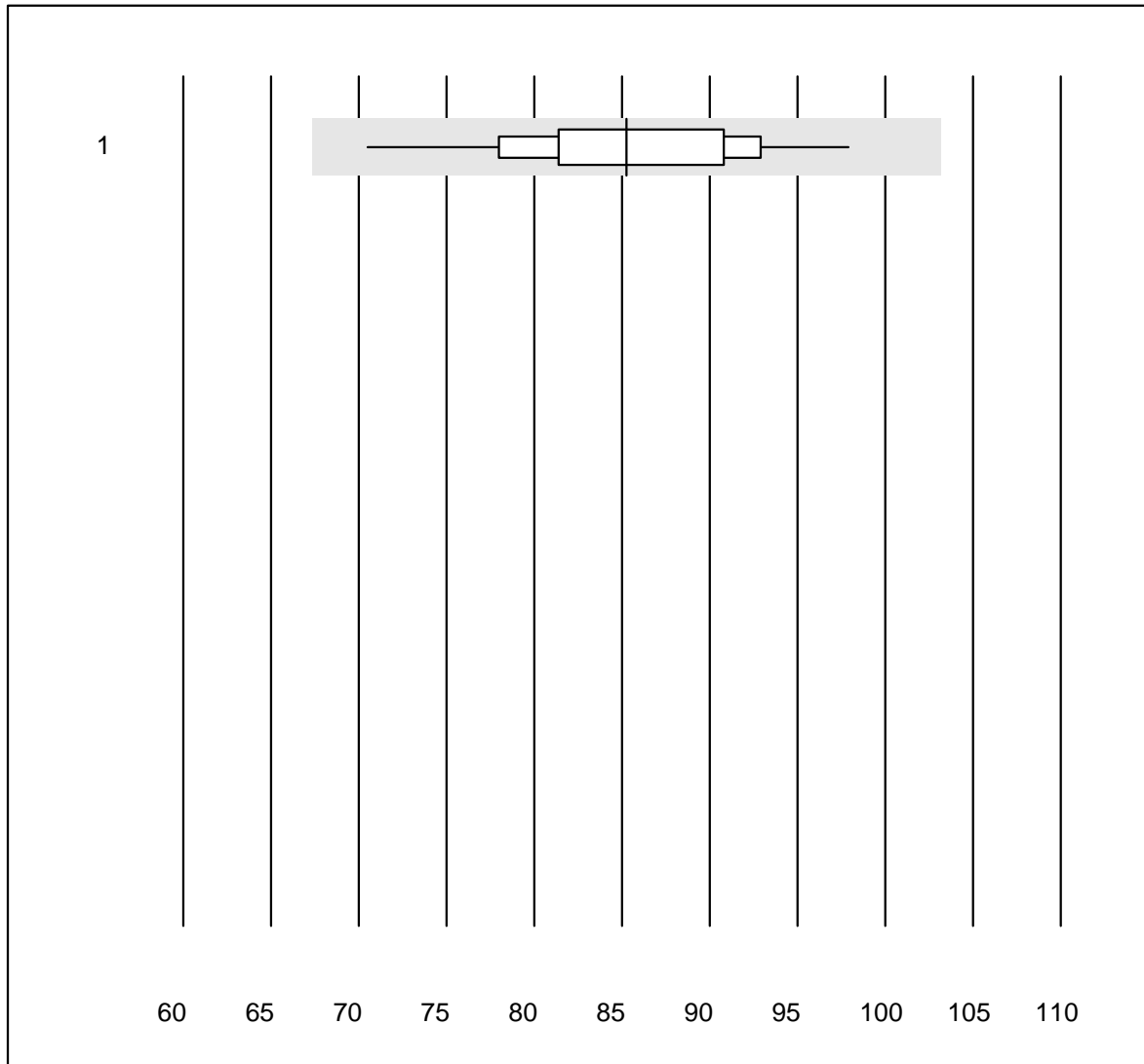
Anti tTG IgA (U/ml)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Other methods	6	83.3	16.7	0.0	1.95	20.1	e*

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



## CRP Lumira

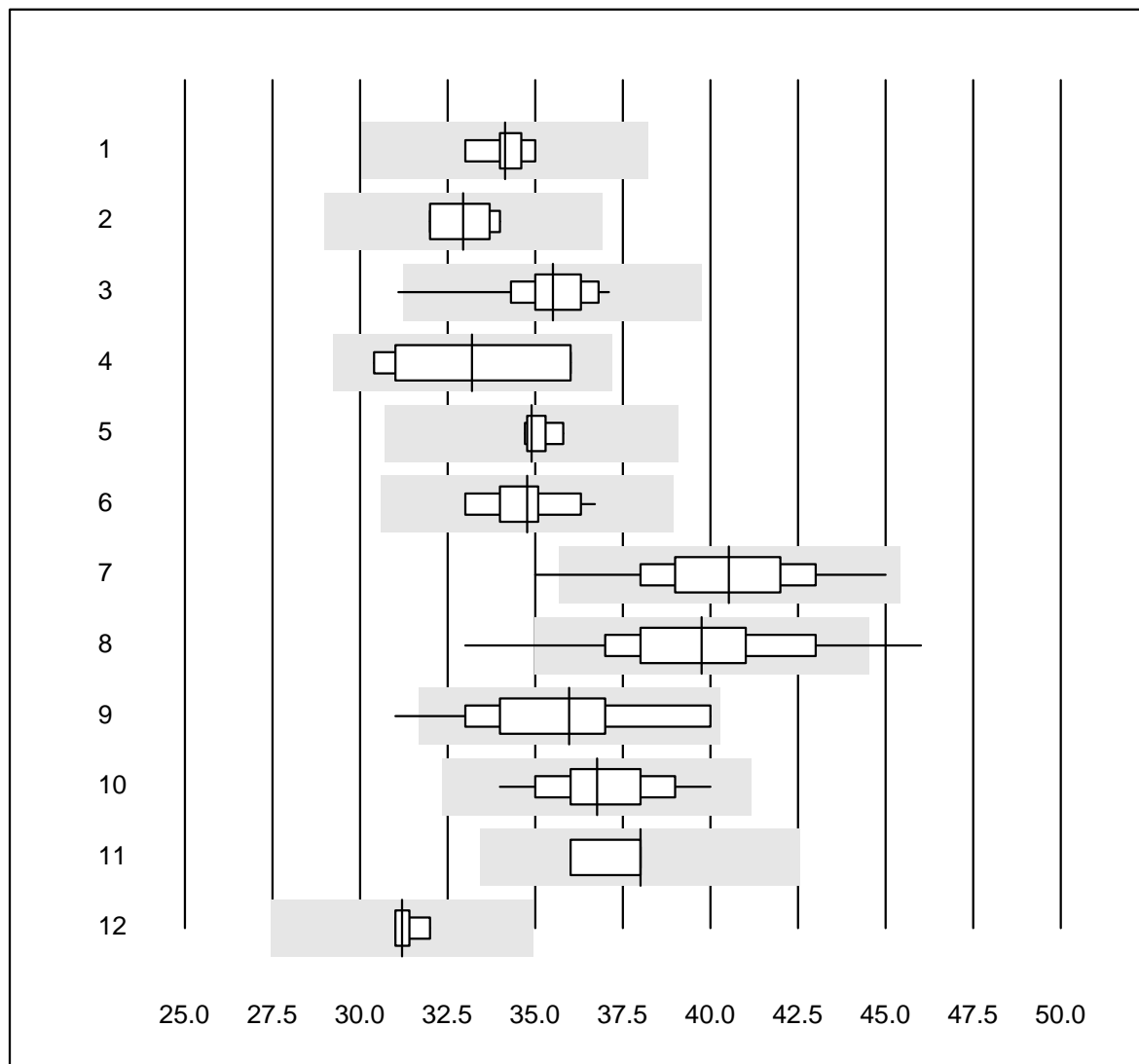


QUALAB tolerance : 21 %

CRP Lumira (mg/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 Lumira Dx	12	91.7	0.0	8.3	85.2	8.8	e*

# Albumine



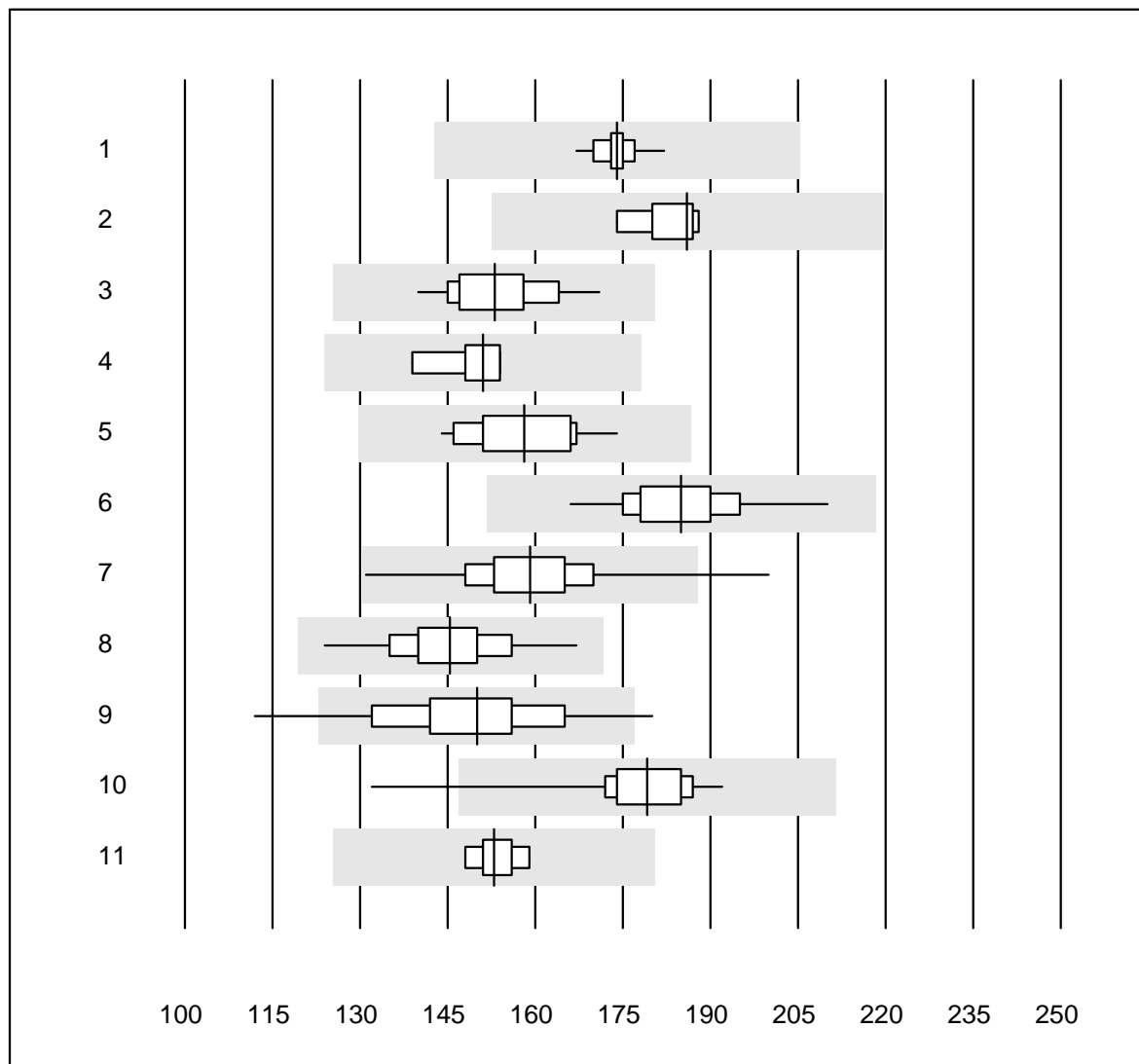
QUALAB tolerance : 12 %

Albumine (g/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	12	100.0	0.0	0.0	34.1	2.0	e
2	Beckman	4	100.0	0.0	0.0	33.0	3.1	e*
3	Roche	35	97.1	2.9	0.0	35.5	3.5	e
4	Siemens	5	100.0	0.0	0.0	33.2	8.7	a
5	Autolyser	8	100.0	0.0	0.0	34.9	1.1	e
6	Selectra Pro	10	100.0	0.0	0.0	34.8	3.3	e
7	Fuji Dri-Chem	245	99.6	0.4	0.0	40.5	4.4	e
8	Spotchem D-Concept	237	95.3	3.4	1.3	39.8	5.9	e
9	Spotchem SP-4430	31	93.6	3.2	3.2	36.0	6.6	e
10	Piccolo	56	96.4	0.0	3.6	36.8	3.9	e
11	Skyla	4	100.0	0.0	0.0	38.0	2.7	e
12	Hitachi S40/M40	4	100.0	0.0	0.0	31.2	1.5	e

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

## Alkaline phosphatase



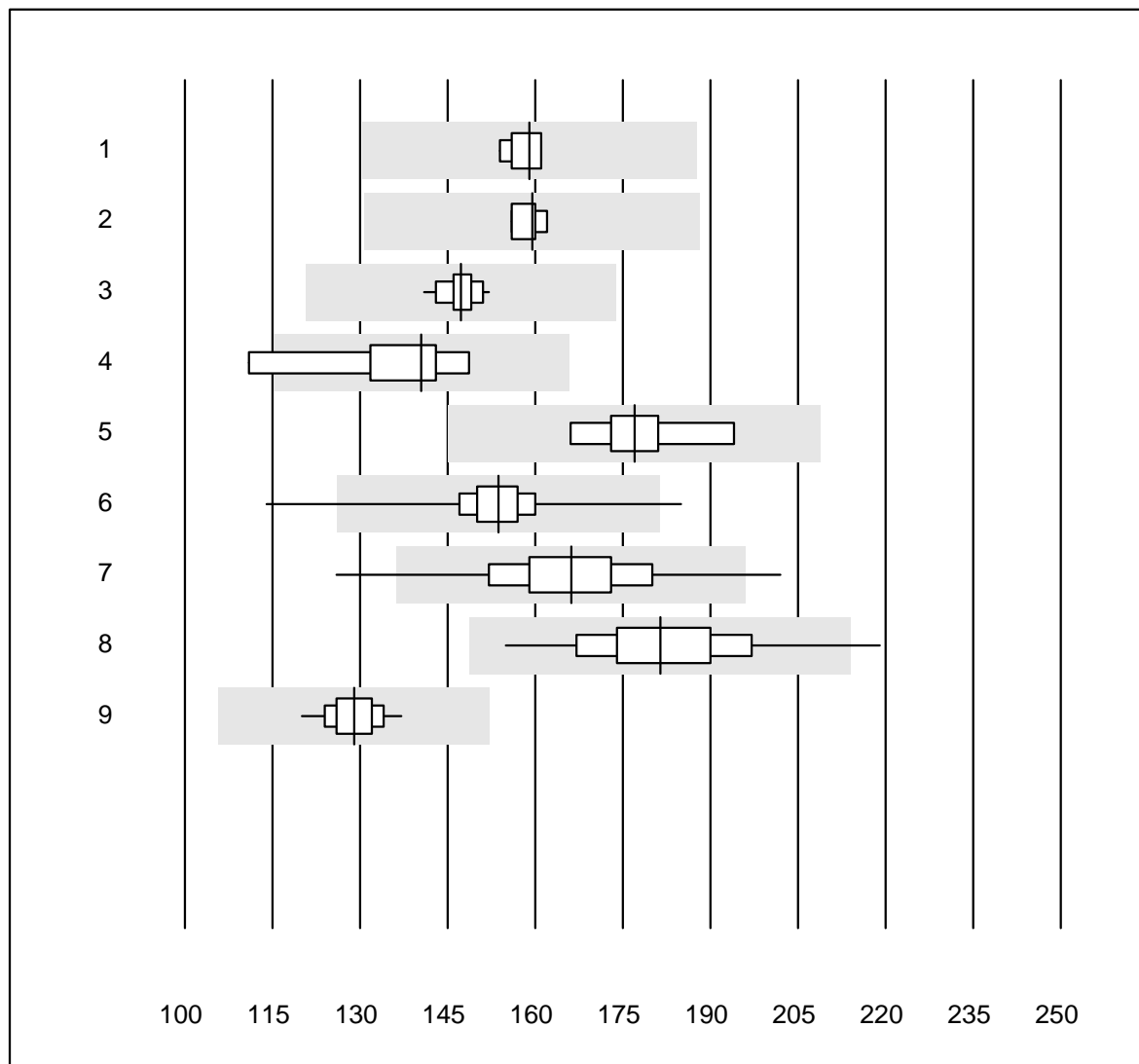
QUALAB tolerance : 18 %

Alkaline phosphatase (U/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	16	100.0	0.0	0.0	174	1.9	e
2	Beckman	6	100.0	0.0	0.0	186	3.0	e
3	Roche	34	100.0	0.0	0.0	153	5.0	e
4	Siemens	6	100.0	0.0	0.0	151	3.8	e
5	Autolyser	20	100.0	0.0	0.0	158	5.6	e
6	Selectra Pro	14	100.0	0.0	0.0	185	5.7	e
7	Fuji Dri-Chem	1024	99.2	0.3	0.5	159	5.5	e
8	Spotchem D-Concept	552	99.1	0.0	0.9	145	5.2	e
9	Spotchem SP-4430	89	93.3	5.6	1.1	150	8.3	e
10	Piccolo	47	95.8	2.1	2.1	179	5.2	e
11	Skylla	5	100.0	0.0	0.0	153	2.8	e

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

# Amylase



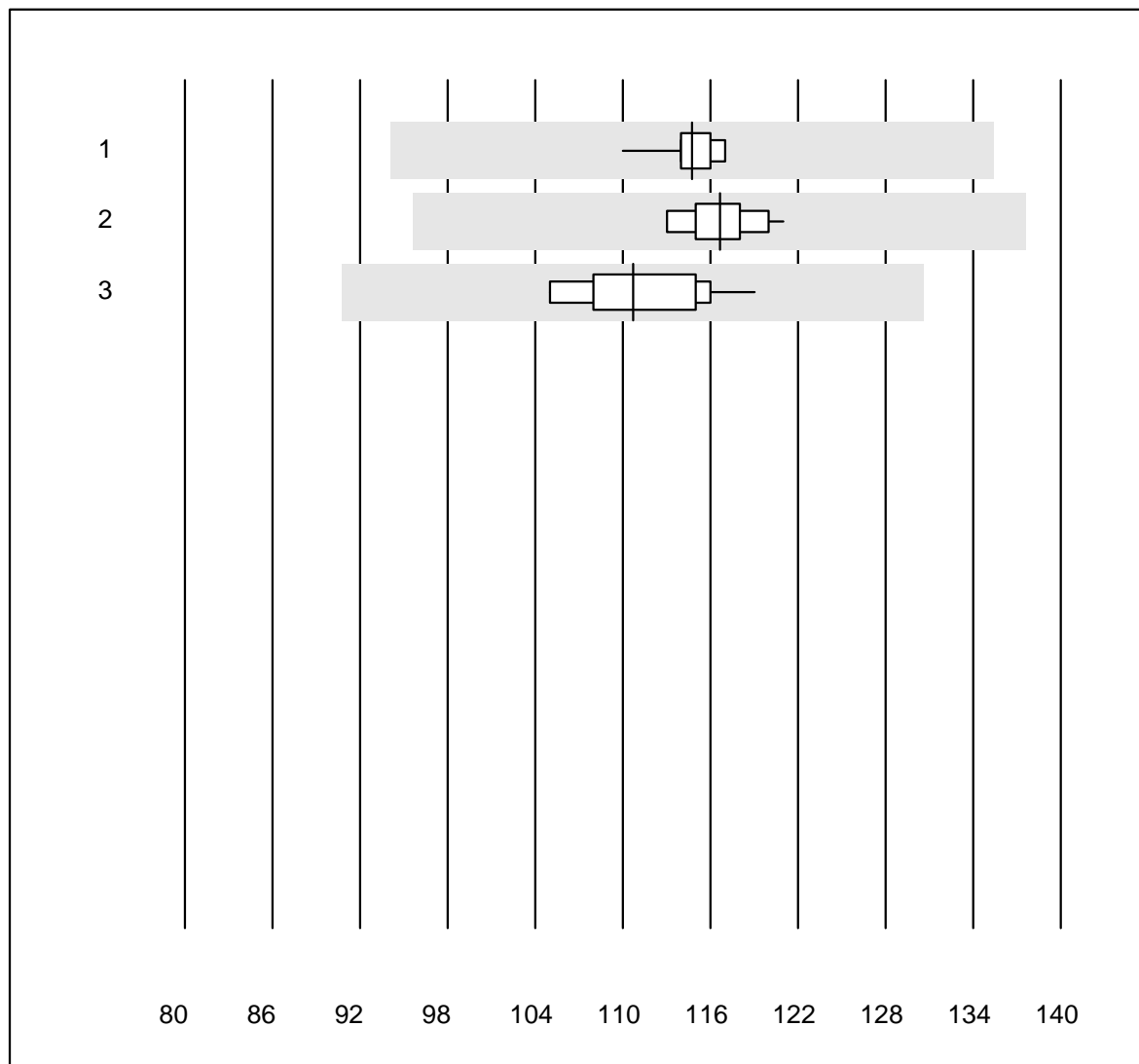
QUALAB tolerance : 18 %

Amylase (U/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	9	100.0	0.0	0.0	159	1.8	e
2	Beckman	4	100.0	0.0	0.0	160	1.6	e
3	Roche	13	100.0	0.0	0.0	147	2.1	e
4	Autolyser	8	87.5	12.5	0.0	141	8.6	e*
5	Selectra Pro	9	100.0	0.0	0.0	177	4.4	e
6	Fuji Dri-Chem	739	99.2	0.5	0.3	154	3.9	e
7	Spotchem D-Concept	407	99.0	1.0	0.0	166	6.5	e
8	Spotchem SP-4430	62	96.8	1.6	1.6	181	7.0	e
9	Piccolo	51	100.0	0.0	0.0	129	3.0	e

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

## Pancreatic amylase



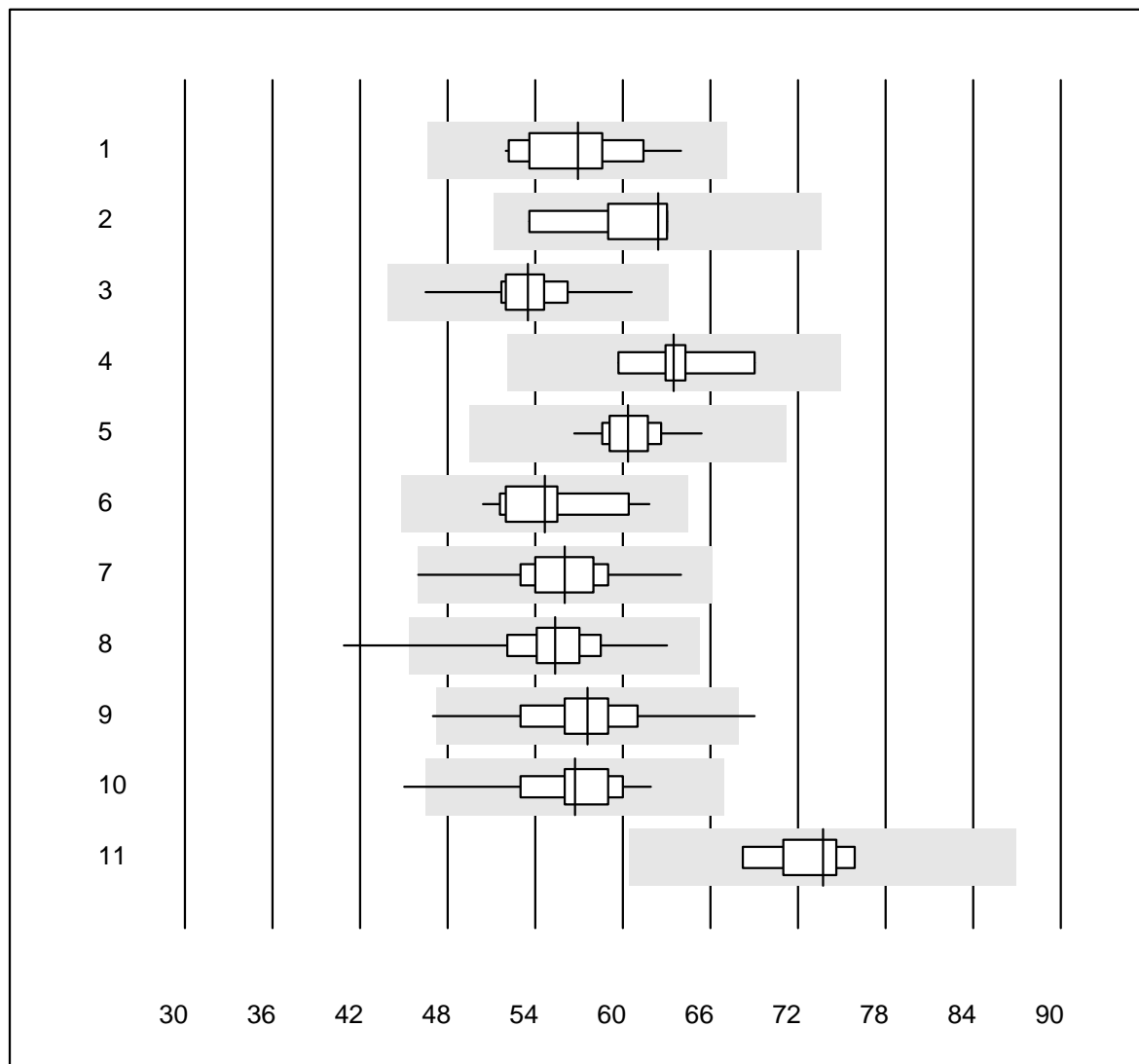
QUALAB tolerance : 18 %

Pancreatic amylase (U/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	14	100.0	0.0	0.0	115	1.6	e
2	Roche	17	100.0	0.0	0.0	117	2.0	e
3	Autolyser	10	100.0	0.0	0.0	111	4.0	e

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

## Bilirubin

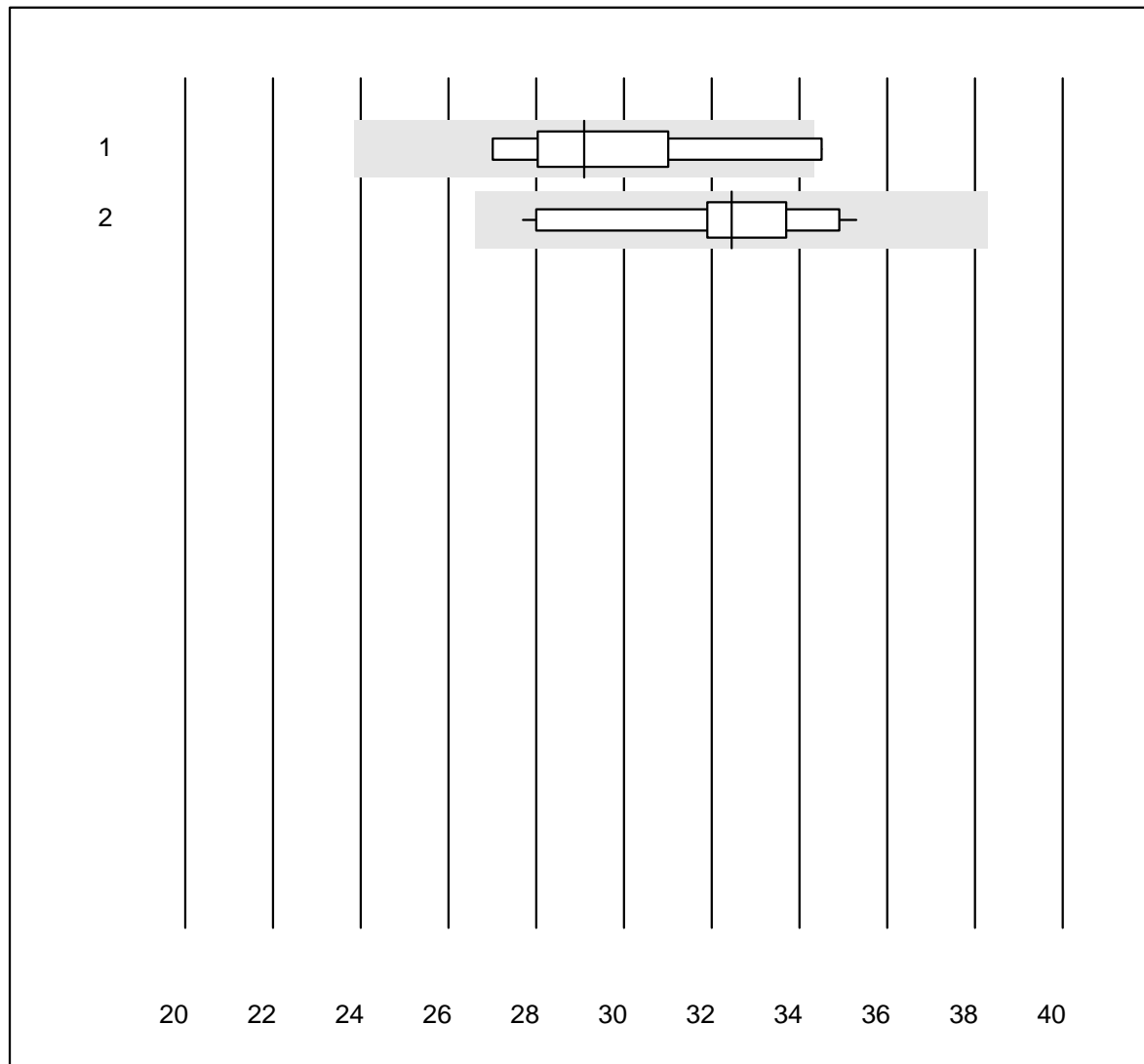


QUALAB tolerance : 18 %

Bilirubin (µmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	17	100.0	0.0	0.0	56.9	6.3	e
2	Beckman	6	100.0	0.0	0.0	62.4	6.2	e*
3	Roche	33	100.0	0.0	0.0	53.5	4.5	e
4	Siemens	5	100.0	0.0	0.0	63.5	5.2	e*
5	Autolyser	17	100.0	0.0	0.0	60.4	3.3	e
6	Selectra Pro	16	93.7	0.0	6.3	54.7	6.3	e
7	Fuji Dri-Chem	836	99.4	0.0	0.6	56.0	4.8	e
8	Spotchem D-Concept	444	97.3	2.5	0.2	55.4	5.7	e
9	Spotchem SP-4430	81	95.1	3.7	1.2	57.6	5.9	e
10	Piccolo	54	94.4	3.7	1.9	56.7	5.8	e
11	Skyla	5	100.0	0.0	0.0	73.7	4.2	e

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

**Bilirubin direct**

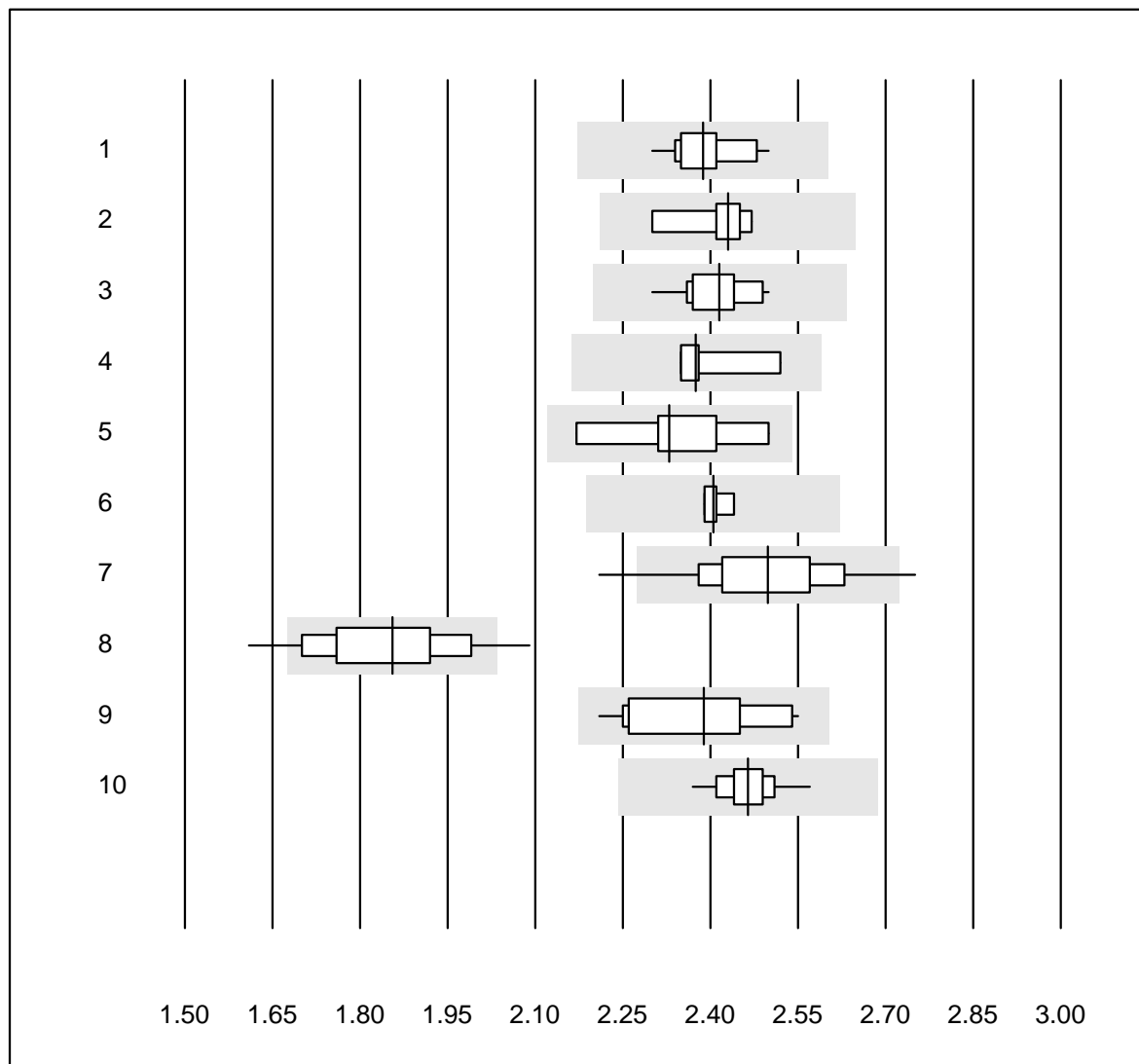
MQ tolerance : 18 %

Bilirubin direct (µmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Autolyser	8	87.5	12.5	0.0	29.1	8.1	e*
2	Fuji Dri-Chem	20	100.0	0.0	0.0	32.4	7.3	e

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

# Calcium



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

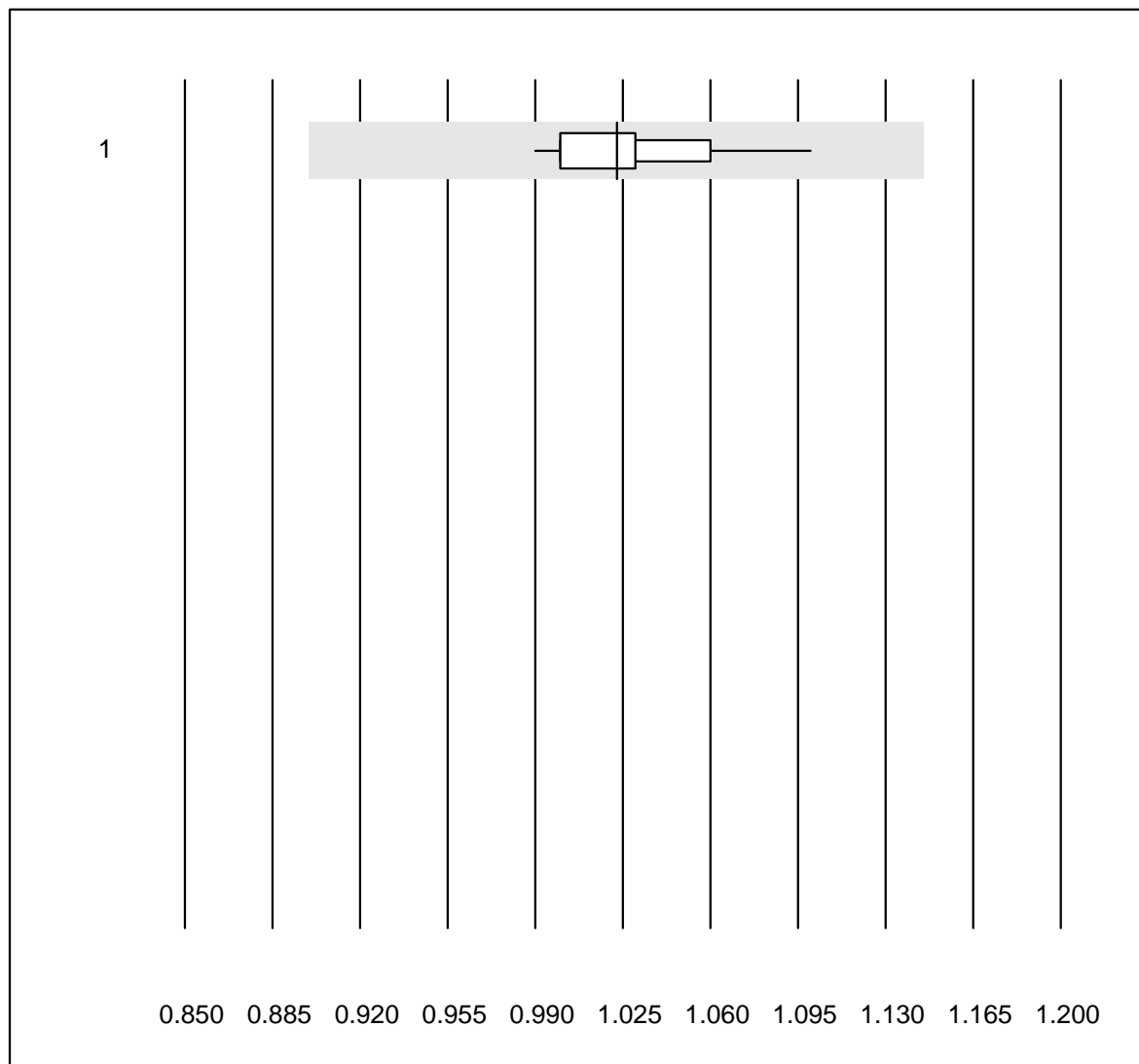
Calcium (mmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	18	100.0	0.0	0.0	2.39	2.0	e
2	Beckman	5	100.0	0.0	0.0	2.43	2.8	e*
3	Roche	35	100.0	0.0	0.0	2.42	2.0	e
4	Siemens	4	100.0	0.0	0.0	2.38	3.2	e*
5	Autolyser	9	100.0	0.0	0.0	2.33	4.4	e*
6	Selectra Pro	4	100.0	0.0	0.0	2.41	0.9	e
7	Fuji Dri-Chem	289	95.9	1.7	2.4	2.50	3.9	e
8	Spotchem D-Concept	78	87.2	9.0	3.8	1.86	6.0	e
9	Spotchem SP-4430	13	92.3	0.0	7.7	2.39	4.8	e*
10	Piccolo	48	95.8	0.0	4.2	2.46	1.6	e

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



## Calcium ISE



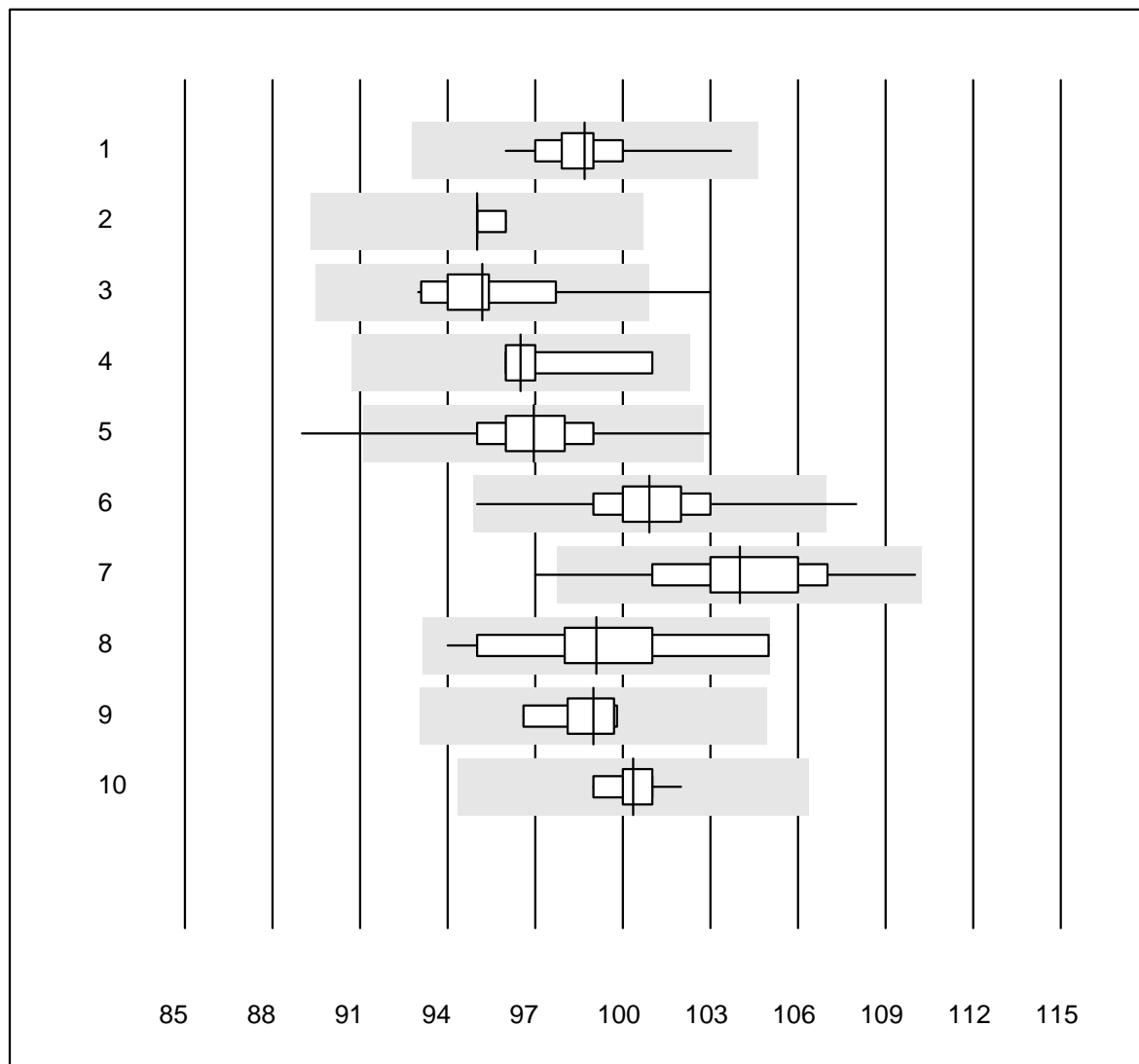
MQ tolerance : 12 %

Calcium ISE (mmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	iStat Chem8	12	100.0	0.0	0.0	1.02	3.0	e

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

# Chloride



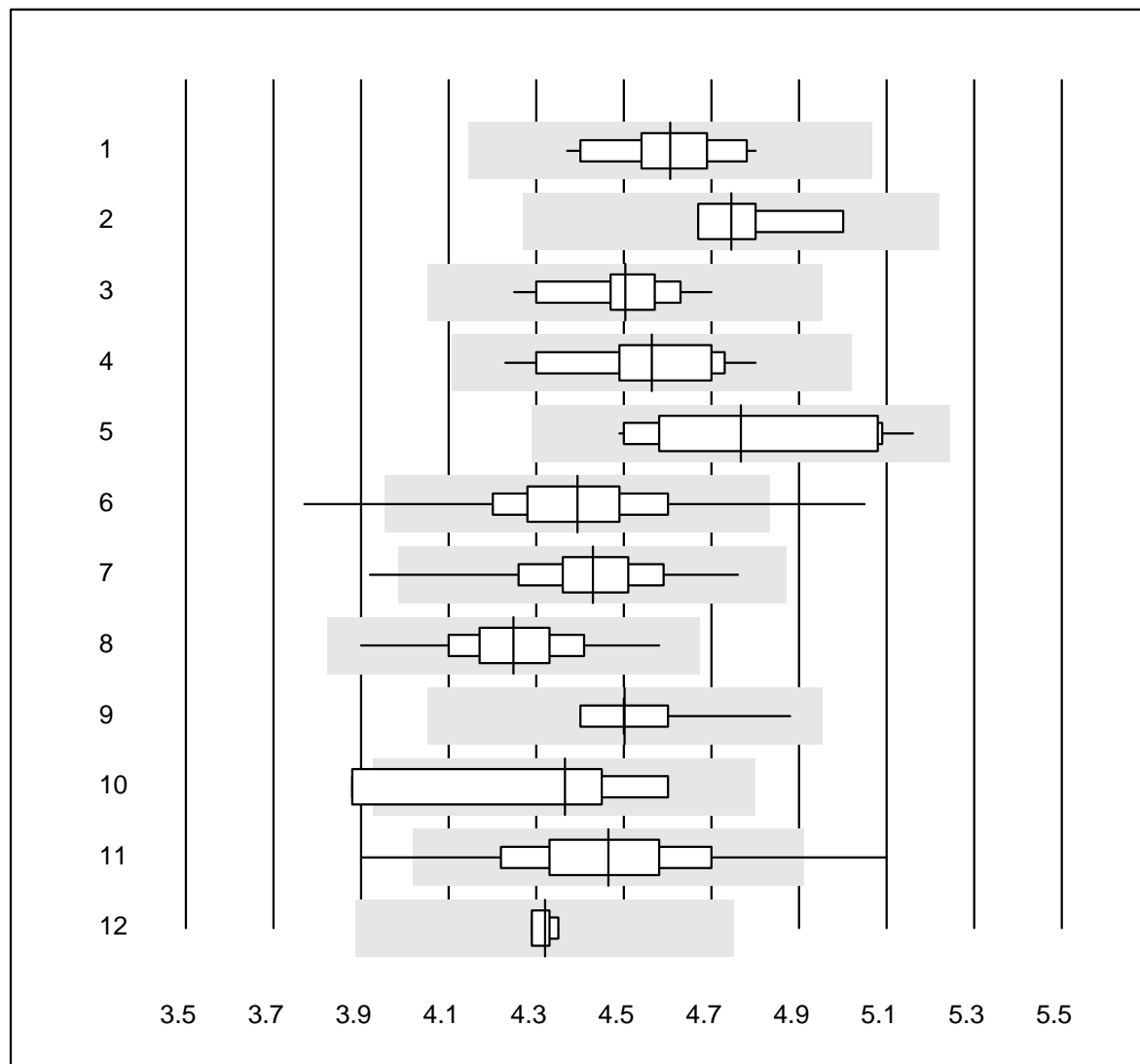
QUALAB tolerance : 6 %

Chloride (mmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	20	100.0	0.0	0.0	99	1.8	e
2	Beckman	5	100.0	0.0	0.0	95	0.5	e
3	Roche	25	96.0	4.0	0.0	95	2.2	e
4	Siemens	4	100.0	0.0	0.0	97	2.4	e*
5	Fuji Dri-Chem	936	97.9	1.5	0.6	97	2.0	e
6	Spotchem D-Concept	408	99.1	0.2	0.7	101	1.6	e
7	Spotchem EL-SE 1520	54	98.1	1.9	0.0	104	2.5	e
8	Piccolo	29	100.0	0.0	0.0	99	2.9	e
9	Exias	5	100.0	0.0	0.0	99	1.3	e
10	iStat Chem8	11	100.0	0.0	0.0	100	0.9	e

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

## Cholesterol total



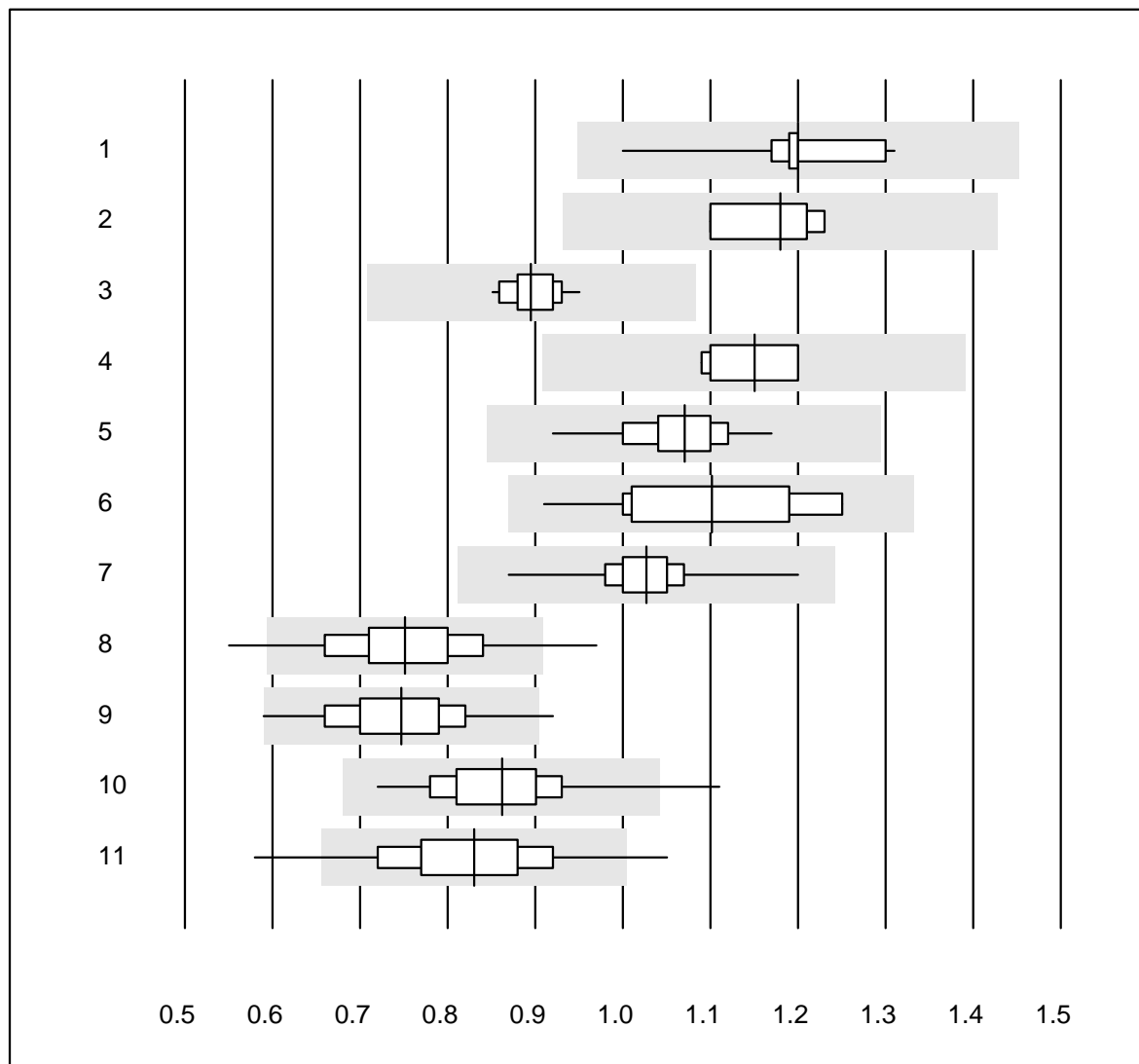
QUALAB tolerance : 10 %

Cholesterol total (mmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	19	100.0	0.0	0.0	4.61	2.4	e
2	Beckman	4	100.0	0.0	0.0	4.75	3.2	e*
3	Roche	29	100.0	0.0	0.0	4.50	2.4	e
4	Autolyser	20	100.0	0.0	0.0	4.56	3.3	e
5	Selectra Pro	14	100.0	0.0	0.0	4.77	5.3	e*
6	Fuji Dri-Chem	968	96.9	1.4	1.7	4.39	3.8	e
7	Spotchem D-Concept	465	98.5	0.4	1.1	4.43	3.0	e
8	Spotchem SP-4430	84	98.8	0.0	1.2	4.25	3.2	e
9	Piccolo	25	100.0	0.0	0.0	4.50	2.1	e
10	Reflotron	4	75.0	25.0	0.0	4.37	7.2	e*
11	Cholestech LDX	275	94.9	2.9	2.2	4.47	4.3	e
12	Other methods	4	100.0	0.0	0.0	4.32	0.6	e

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

## Cholesterin HDL



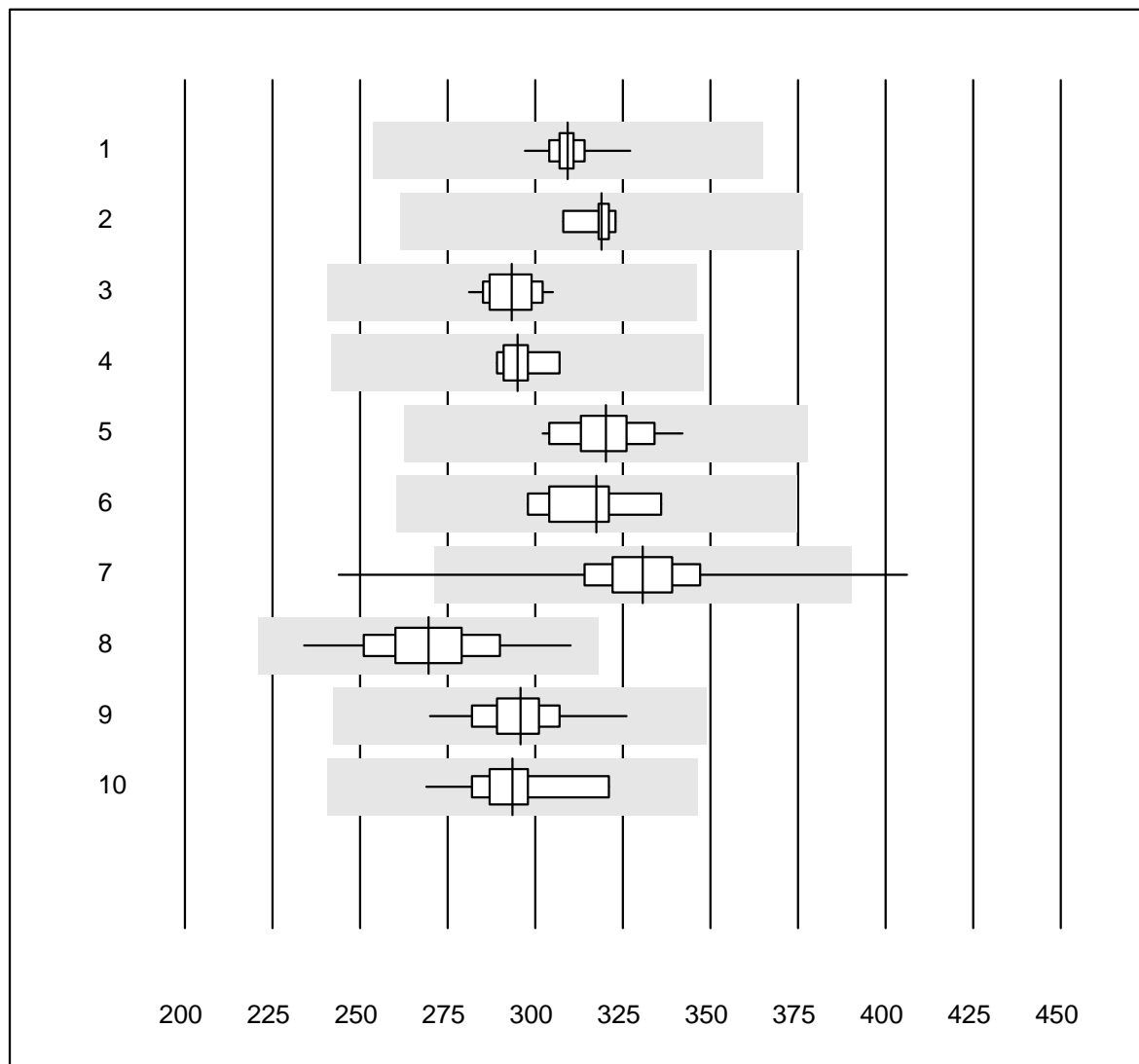
QUALAB tolerance : 21 %

Cholesterin HDL (mmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	16	100.0	0.0	0.0	1.20	5.5	e
2	Beckman	6	100.0	0.0	0.0	1.18	4.8	e
3	Roche	27	100.0	0.0	0.0	0.90	2.9	e
4	Siemens	5	100.0	0.0	0.0	1.15	4.6	e
5	Autolyser	20	100.0	0.0	0.0	1.07	5.4	e
6	Selectra Pro	14	92.9	0.0	7.1	1.10	10.1	e*
7	Fuji Dri-Chem	937	99.6	0.0	0.4	1.03	3.4	e
8	Spotchem D-Concept	450	96.7	2.0	1.3	0.75	9.1	e
9	Spotchem SP-4430	73	94.5	5.5	0.0	0.75	9.7	e
10	Piccolo	25	96.0	4.0	0.0	0.86	9.7	e
11	Cholestech LDX	275	92.0	5.8	2.2	0.83	9.9	e

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

## Creatine kinase



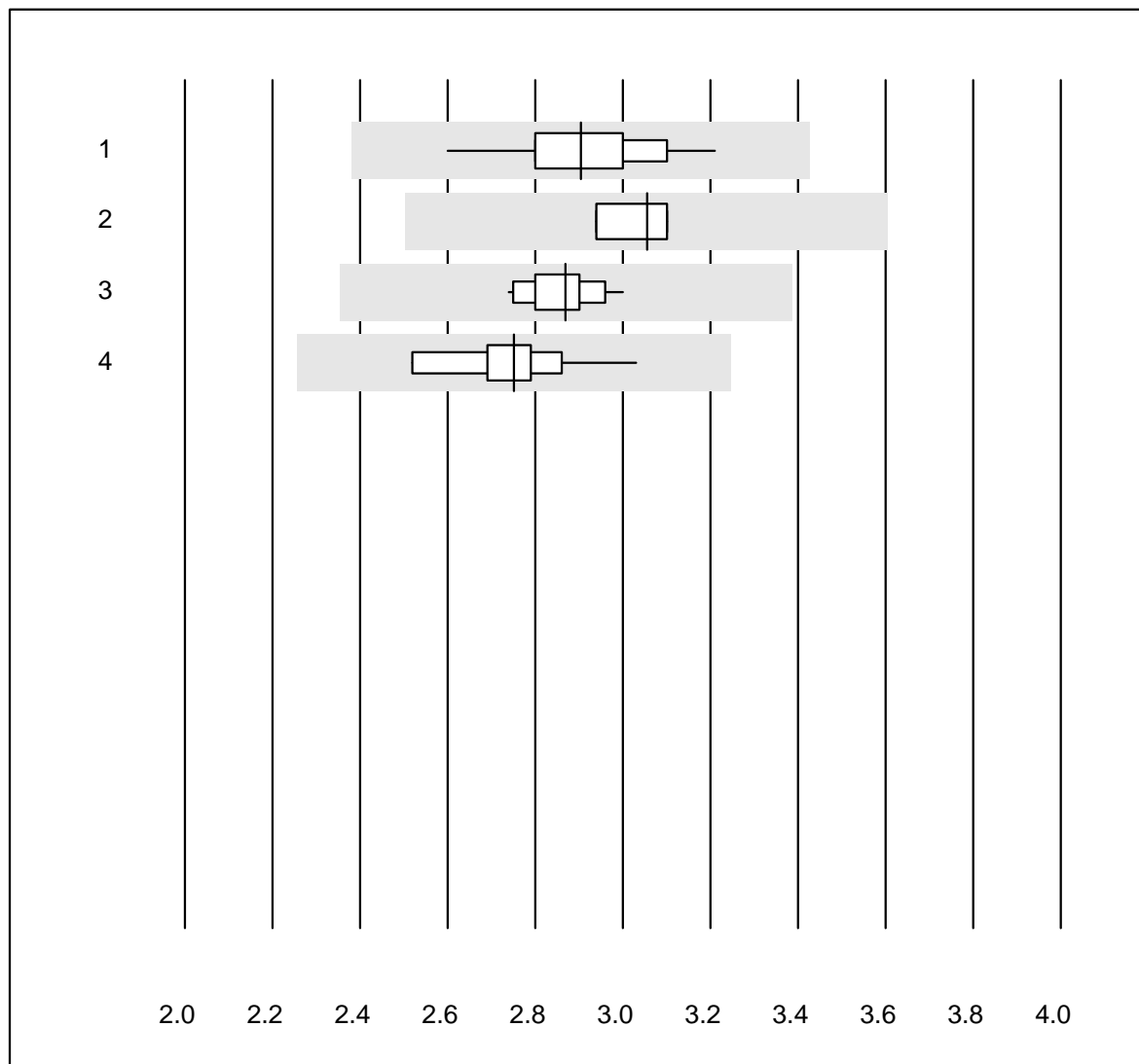
QUALAB tolerance : 18 %

Creatine kinase (U/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	16	100.0	0.0	0.0	309	2.0	e
2	Beckman	5	100.0	0.0	0.0	319	1.8	e
3	Roche	31	100.0	0.0	0.0	293	2.3	e
4	Siemens	6	100.0	0.0	0.0	295	2.2	e
5	Autolyser	17	100.0	0.0	0.0	320	3.1	e
6	Selectra Pro	8	100.0	0.0	0.0	318	3.7	e
7	Fuji Dri-Chem	669	98.1	1.2	0.7	331	4.9	e
8	Spotchem D-Concept	322	99.7	0.0	0.3	270	5.5	e
9	Spotchem SP-4430	43	97.7	0.0	2.3	296	3.9	e
10	Piccolo	18	94.4	0.0	5.6	294	4.6	e

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

## Cholesterol LDL



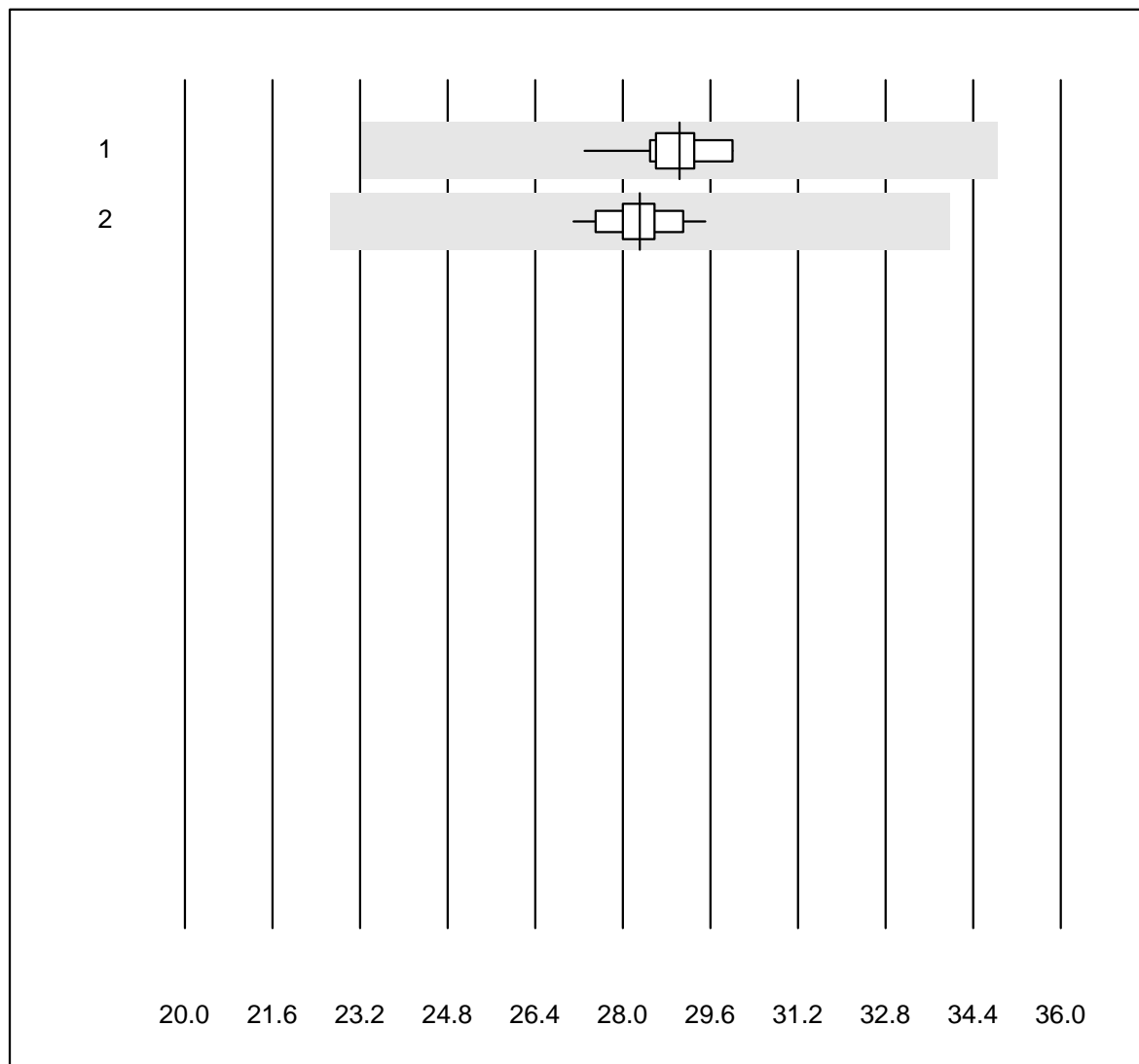
QUALAB tolerance : 18 %

Cholesterol LDL (mmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	17	100.0	0.0	0.0	2.9	4.7	e
2	Beckman	4	100.0	0.0	0.0	3.1	2.6	e
3	Roche, Cobas	18	100.0	0.0	0.0	2.9	2.4	e
4	Autolyser	10	100.0	0.0	0.0	2.8	5.0	e

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

# Iron



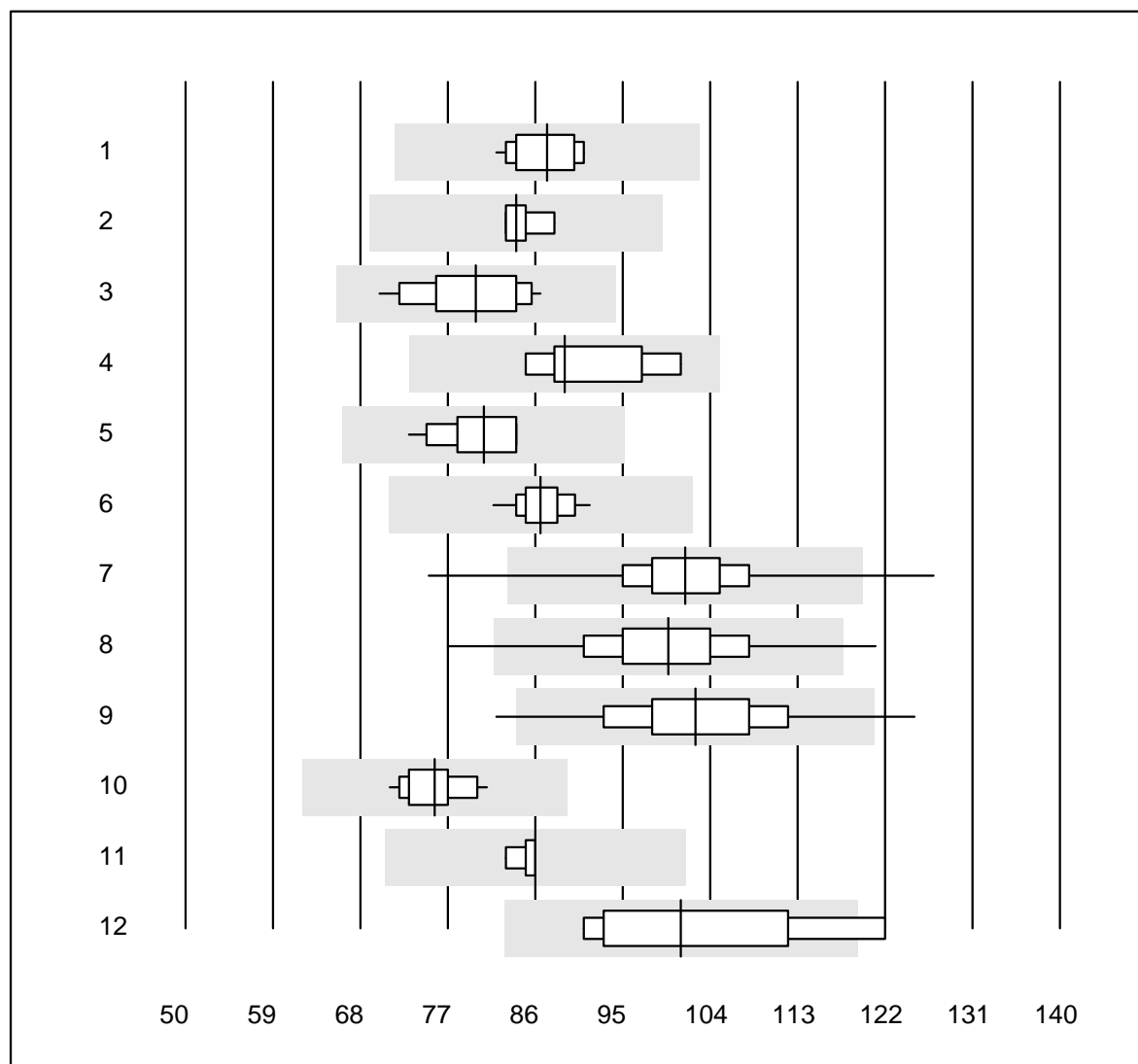
QUALAB tolerance : 20 %

Iron (µmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	14	100.0	0.0	0.0	29	2.4	e
2	Roche	21	100.0	0.0	0.0	28	2.2	e

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

## Gamma-glutamyltransferase



QUALAB tolerance : 18 %

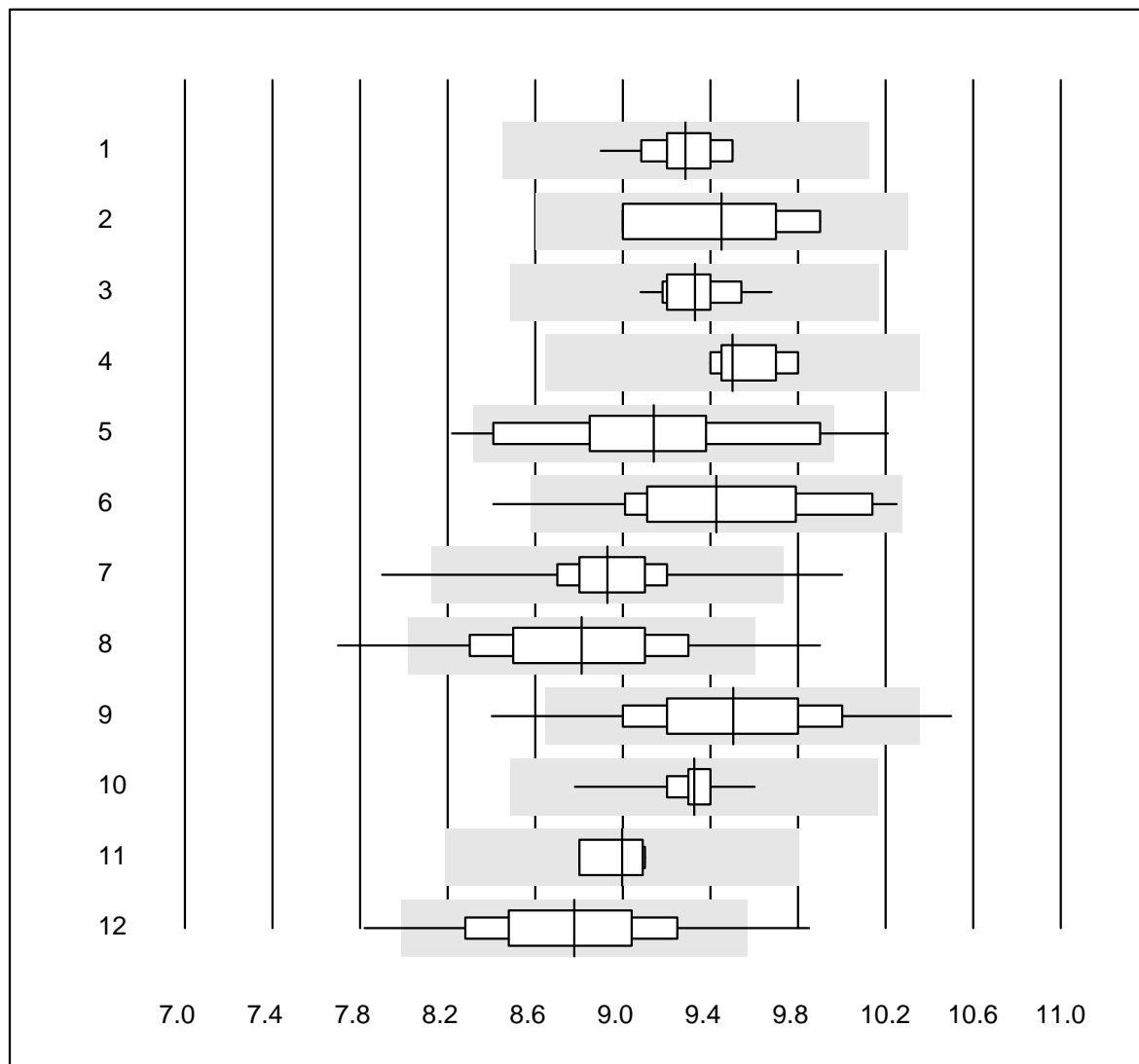
Gamma-glutamyltransferase (U/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	17	100.0	0.0	0.0	87	3.6	e
2	Beckman	6	100.0	0.0	0.0	84	2.2	e
3	Cobas	36	100.0	0.0	0.0	80	6.4	e
4	Siemens	6	100.0	0.0	0.0	89	6.7	e*
5	Autolyser	20	100.0	0.0	0.0	81	4.2	e
6	Selectra Pro	15	100.0	0.0	0.0	87	3.0	e
7	Fuji Dri-Chem	1134	99.2	0.2	0.6	101	5.1	e
8	Spotchem D-Concept	623	98.3	1.1	0.6	100	6.6	e
9	Spotchem SP-4430	134	96.3	3.0	0.7	102	7.5	e
10	Piccolo	56	98.2	0.0	1.8	76	3.7	e
11	Skyla	5	100.0	0.0	0.0	86	1.5	e
12	Reflotron	5	80.0	20.0	0.0	101	12.6	e*

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



# Glucose



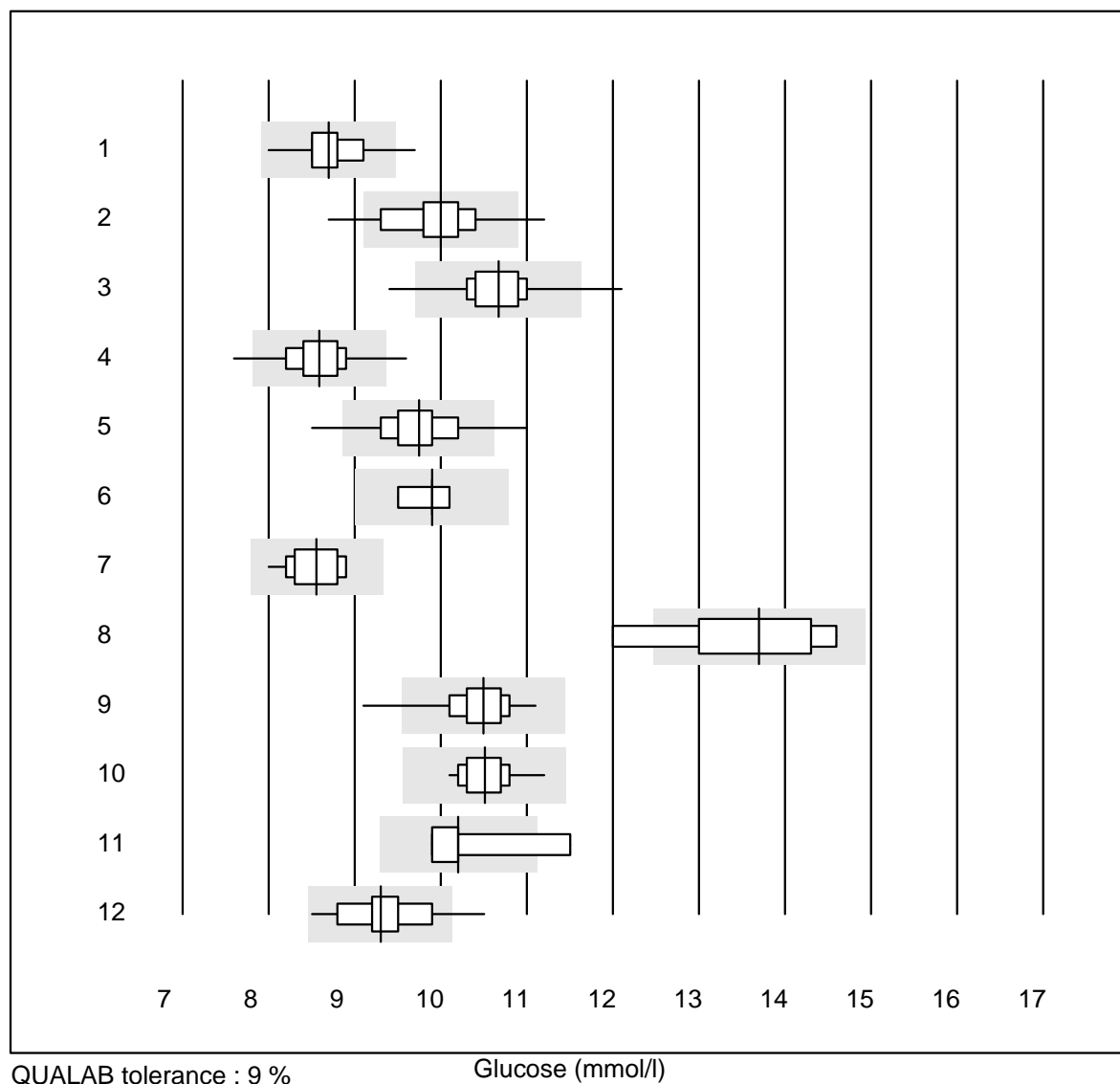
QUALAB tolerance : 9 %

Glucose (mmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	18	100.0	0.0	0.0	9.3	1.8	e
2	Beckman	6	100.0	0.0	0.0	9.5	4.0	e*
3	Roche	36	100.0	0.0	0.0	9.3	1.5	e
4	Siemens	5	100.0	0.0	0.0	9.5	1.8	e
5	Autolyser	18	88.9	11.1	0.0	9.1	5.6	e*
6	Selectra Pro	16	87.4	6.3	6.3	9.4	5.0	e*
7	Fuji Dri-Chem	1071	98.7	0.7	0.6	8.9	2.6	e
8	Spotchem D-Concept	584	95.6	3.4	1.0	8.8	4.5	e
9	Spotchem SP-4430	111	92.8	5.4	1.8	9.5	4.5	e
10	Piccolo	68	98.5	0.0	1.5	9.3	1.2	e
11	Reflotron	6	83.3	0.0	16.7	9.0	1.7	e
12	Cholestech LDX	269	95.1	3.0	1.9	8.8	4.3	e
13	iStat Chem8	12	100.0	0.0	0.0	8.6	0.9	e
14	Cobas Pulse	32	90.6	0.0	9.4	8.8	2.8	e

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

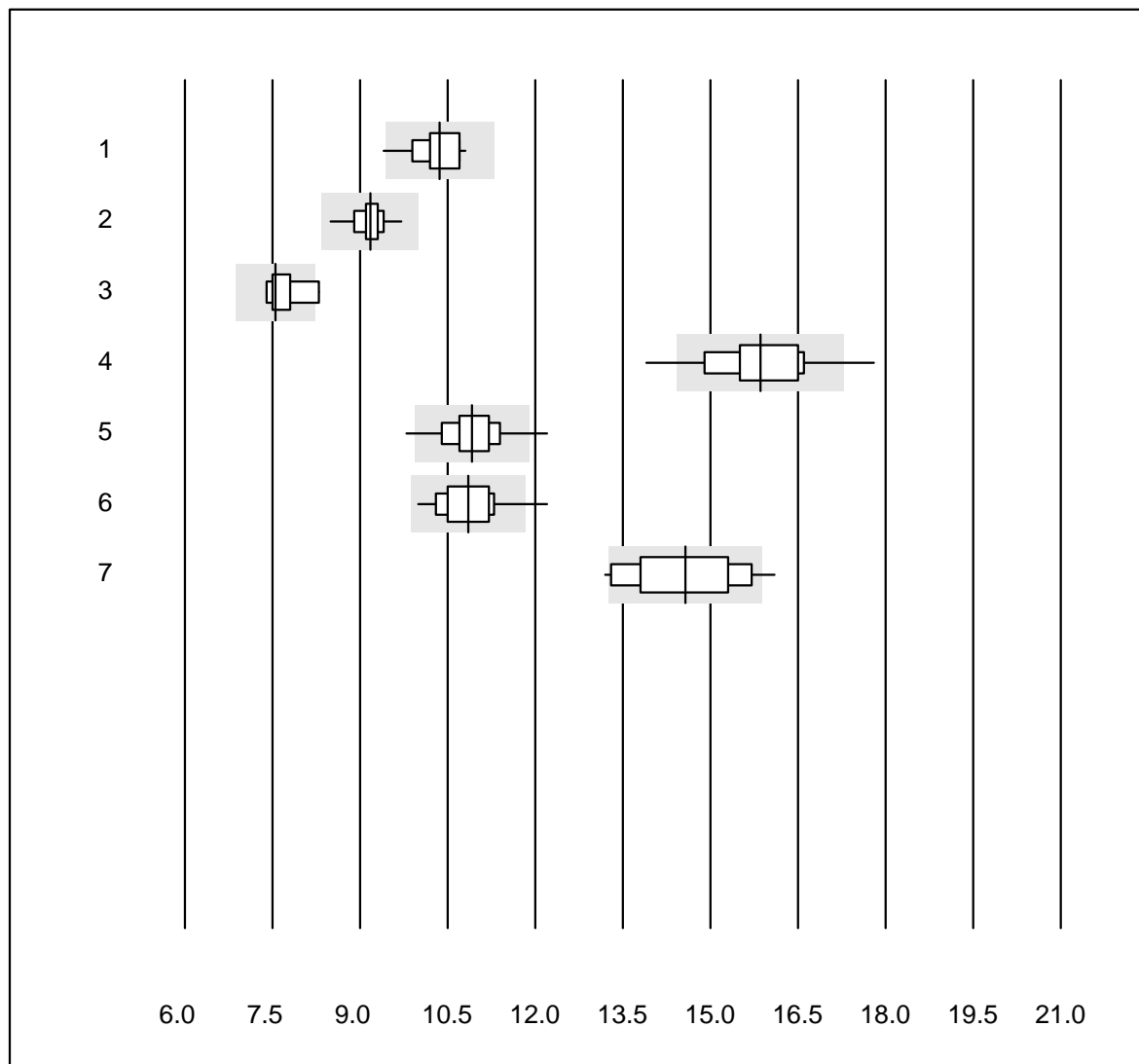
## Glucose



No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Accu-Chek Instant	131	97.0	1.5	1.5	8.7	3.1	e
2	Accu-Chek Aviva	112	90.2	8.0	1.8	10.0	4.5	e
3	Accu-Chek Inform 2	986	98.3	0.8	0.9	10.7	3.0	e
4	Accu-Check Guide	342	96.5	1.5	2.0	8.6	3.6	e
5	Contour XT	1433	95.2	3.4	1.4	9.7	4.0	e
6	Skyla	5	100.0	0.0	0.0	9.9	2.2	e
7	Statstrip/Xpress	98	100.0	0.0	0.0	8.6	3.1	e
8	Glucocard	7	85.7	14.3	0.0	13.7	6.4	e*
9	Hemocue 201+ P-equiv	117	94.8	2.6	2.6	10.5	3.0	e
10	Hemocue 201RT P-equi	130	97.7	0.0	2.3	10.5	2.2	e
11	Freestyle Freedom li	4	75.0	25.0	0.0	10.2	6.8	e*
12	Contour NEXT	42	92.8	2.4	4.8	9.3	4.3	e

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

## Glucose B



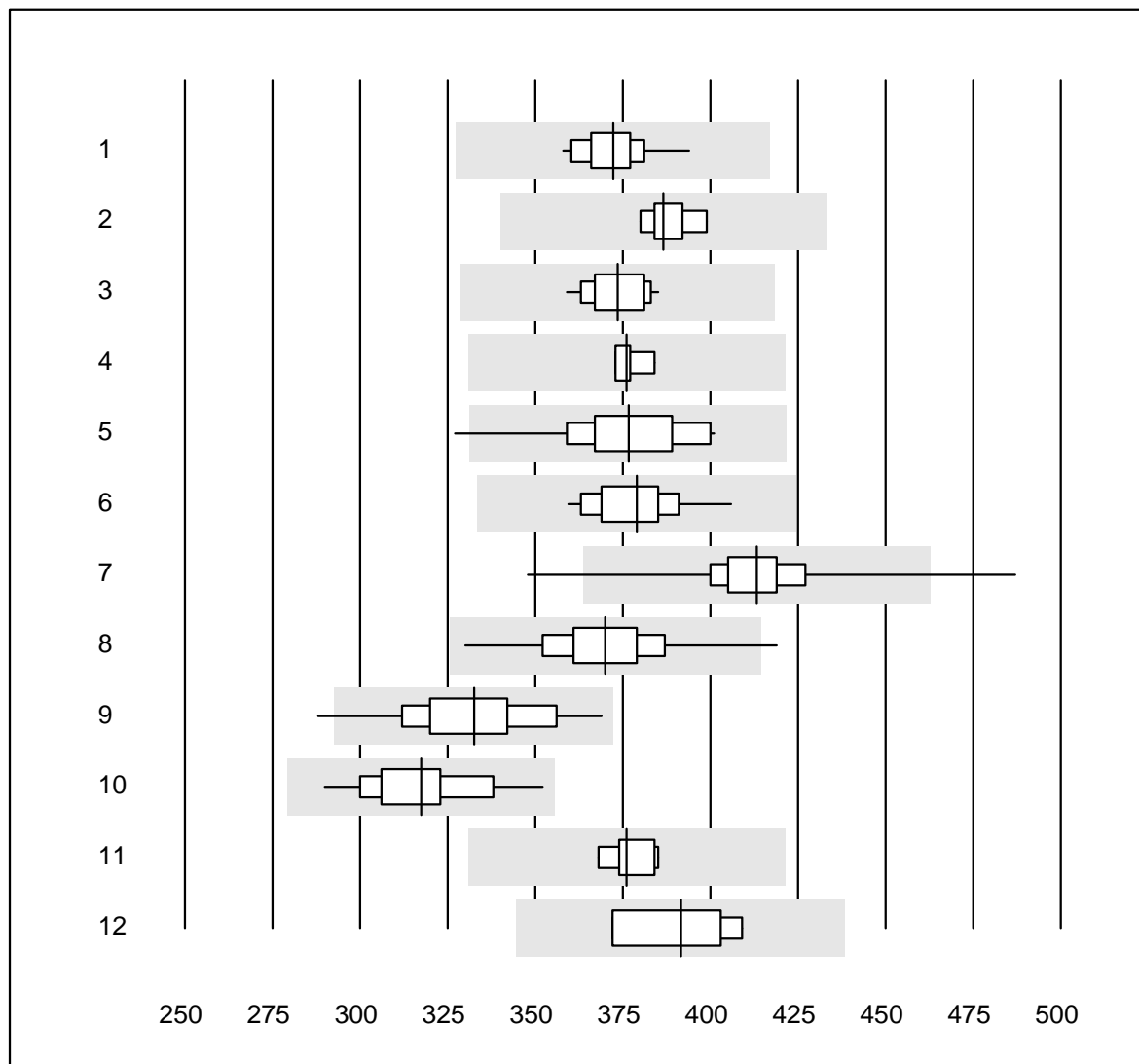
QUALAB tolerance : 9 %

Glucose B (mmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Hemocue 201+ (alt)	31	96.8	3.2	0.0	10.4	3.5	e
2	OneTouch Verio	28	100.0	0.0	0.0	9.2	2.6	e
3	Contour 2 (5s)	8	87.5	12.5	0.0	7.6	4.2	e*
4	Healthpro	21	90.5	9.5	0.0	15.9	5.4	e*
5	Mylife UNIO	403	96.3	3.0	0.7	10.9	3.6	e
6	mylife Pura	88	97.7	2.3	0.0	10.9	3.9	e
7	Alpha Check	22	81.9	13.6	4.5	14.6	6.2	e*

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

## Uric Acid



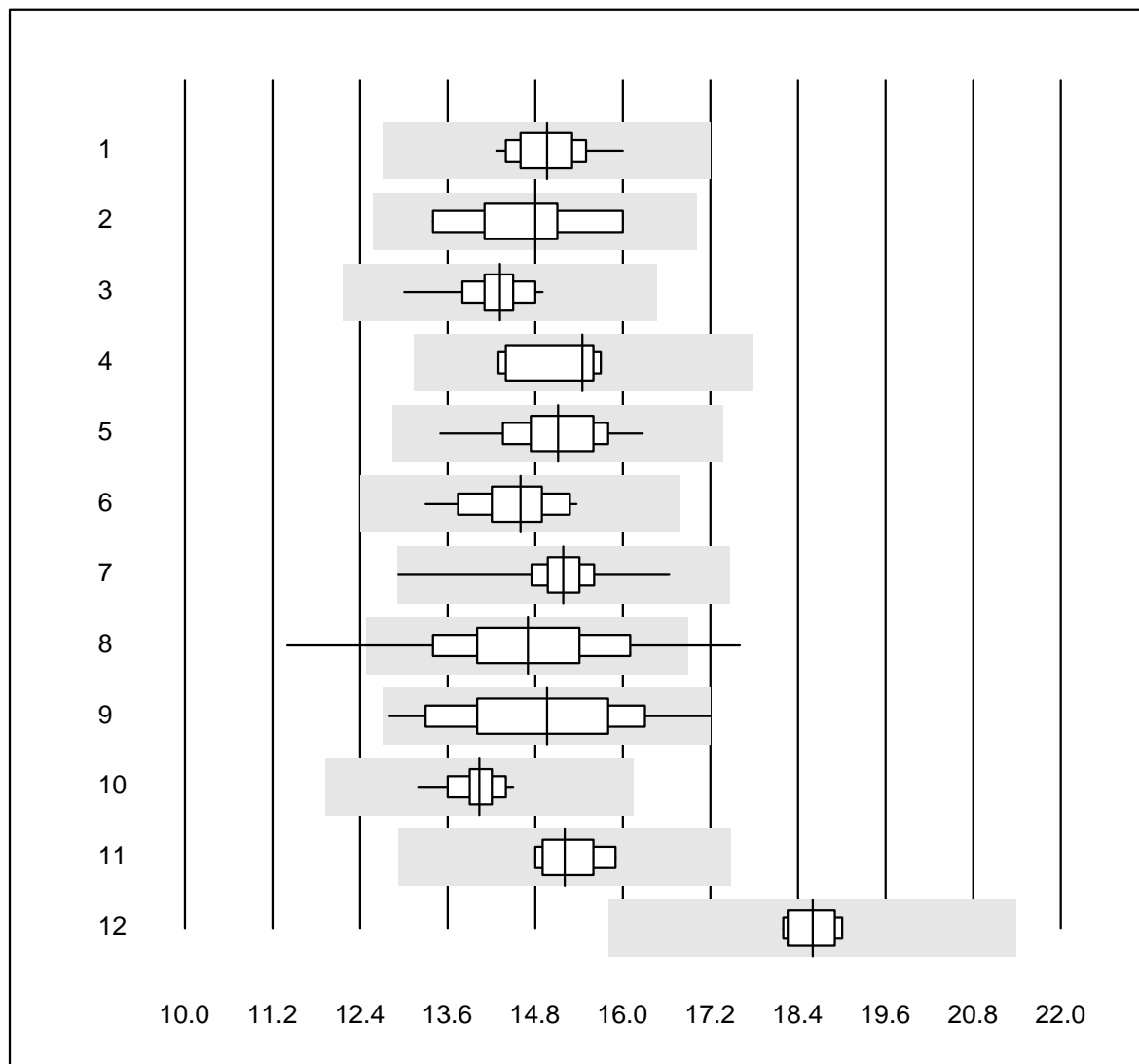
QUALAB tolerance : 12 %

Uric Acid (µmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	19	100.0	0.0	0.0	372	2.3	e
2	Beckman	6	100.0	0.0	0.0	387	1.7	e
3	Roche	33	100.0	0.0	0.0	374	2.1	e
4	Siemens	4	100.0	0.0	0.0	376	1.3	e
5	Autolyser	18	94.4	5.6	0.0	377	4.8	e
6	Selectra Pro	16	100.0	0.0	0.0	379	3.2	e
7	Fuji Dri-Chem	1053	98.7	0.4	0.9	413	2.8	e
8	Spotchem D-Concept	587	98.0	0.3	1.7	370	3.8	e
9	Spotchem SP-4430	111	98.2	0.9	0.9	332	4.9	e
10	Piccolo	33	87.9	0.0	12.1	317	4.4	e
11	Skyla	5	100.0	0.0	0.0	376	1.9	e
12	Reflotron	4	100.0	0.0	0.0	392	4.6	e*

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

## Urea



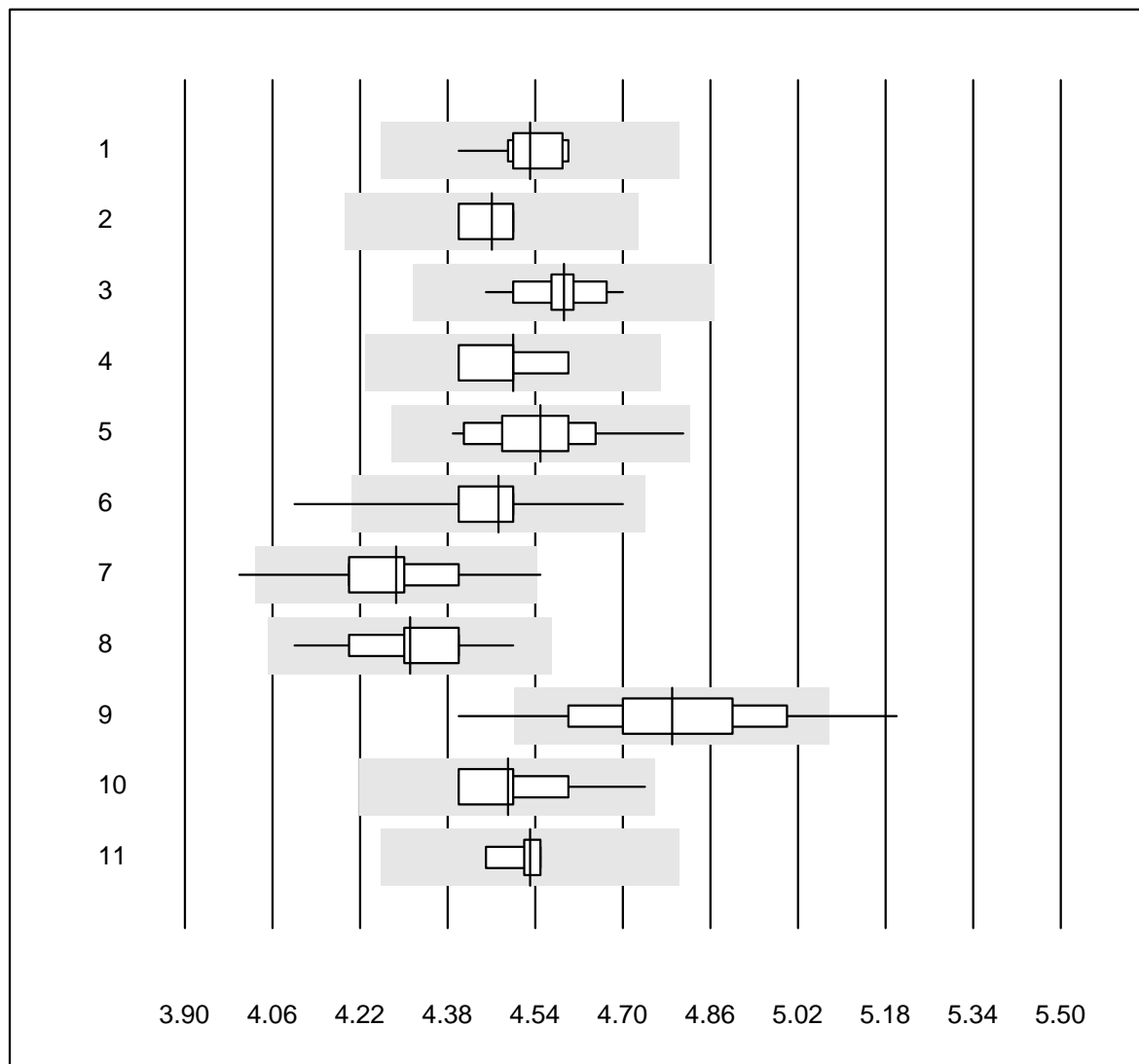
QUALAB tolerance : 15 %

Urea (mmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	17	100.0	0.0	0.0	15.0	3.1	e
2	Beckman	8	100.0	0.0	0.0	14.8	5.8	e*
3	Roche	33	100.0	0.0	0.0	14.3	2.8	e
4	Siemens	6	100.0	0.0	0.0	15.5	4.1	e
5	Autolyser	15	100.0	0.0	0.0	15.1	4.6	e
6	Selectra Pro	12	100.0	0.0	0.0	14.6	4.2	e
7	Fuji Dri-Chem	632	98.9	0.0	1.1	15.2	2.4	e
8	Spotchem D-Concept	329	94.2	4.3	1.5	14.7	7.3	e
9	Spotchem SP-4430	57	98.2	0.0	1.8	15.0	7.6	e
10	Piccolo	61	98.4	0.0	1.6	14.0	2.1	e
11	Skyla	5	100.0	0.0	0.0	15.2	3.0	e
12	iStat Chem8	12	75.0	0.0	25.0	18.6	1.8	a

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

# Potassium



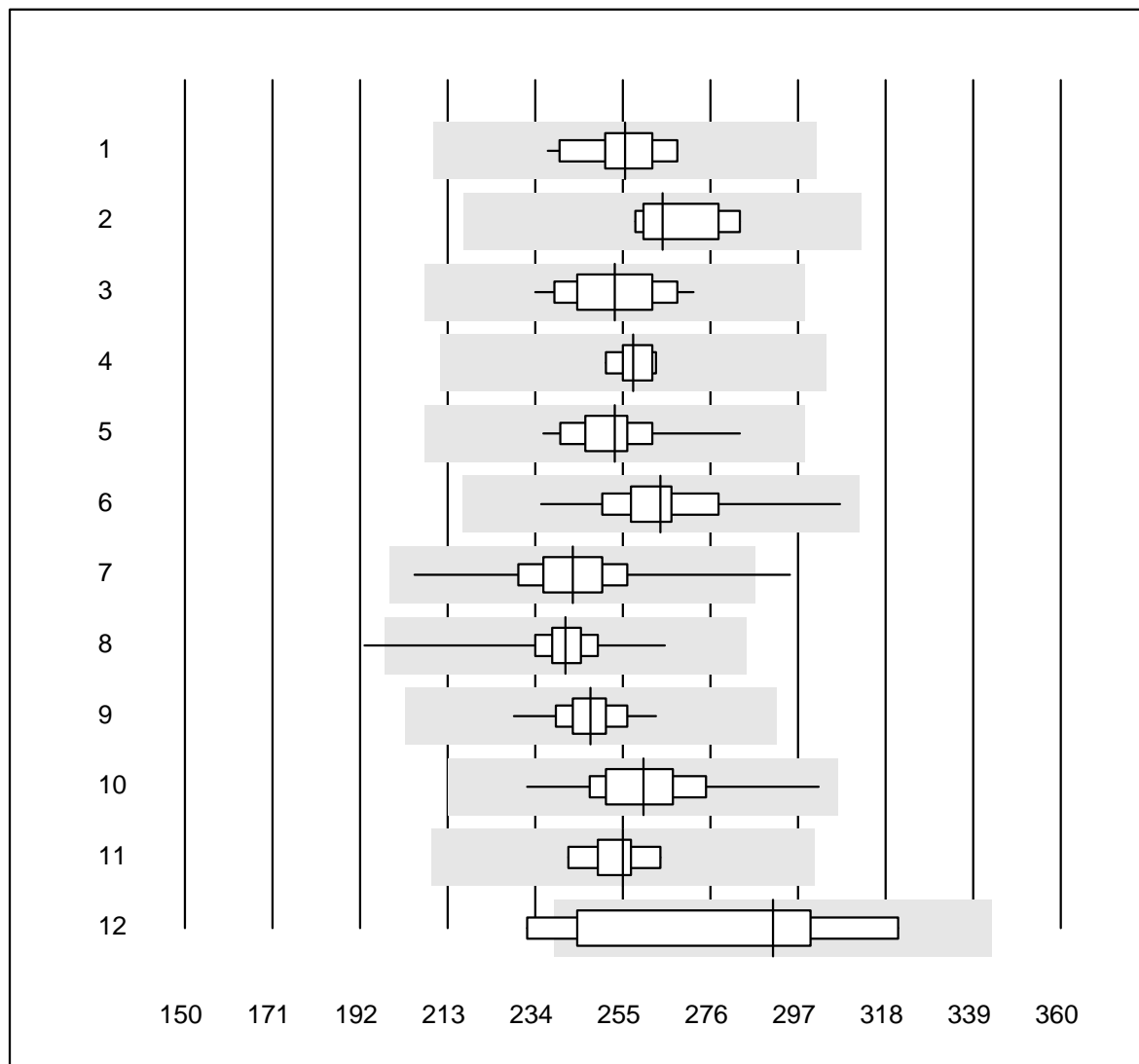
QUALAB tolerance : 6 %

Potassium (mmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	18	100.0	0.0	0.0	4.53	1.2	e
2	Beckman	6	100.0	0.0	0.0	4.46	1.1	e
3	Roche	35	100.0	0.0	0.0	4.59	1.1	e
4	Siemens	4	100.0	0.0	0.0	4.50	1.8	e*
5	Autolyser	19	100.0	0.0	0.0	4.55	2.2	e
6	Fuji Dri-Chem	1110	97.4	1.5	1.1	4.47	1.7	e
7	Spotchem D-Concept	518	98.0	1.0	1.0	4.29	2.0	e
8	Spotchem EL-SE 1520	73	100.0	0.0	0.0	4.31	2.2	e
9	Piccolo	38	65.8	15.8	18.4	4.79	3.7	e
10	iStat Chem8	16	100.0	0.0	0.0	4.49	2.0	e
11	Exias	6	100.0	0.0	0.0	4.53	0.8	e

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

# Creatinine



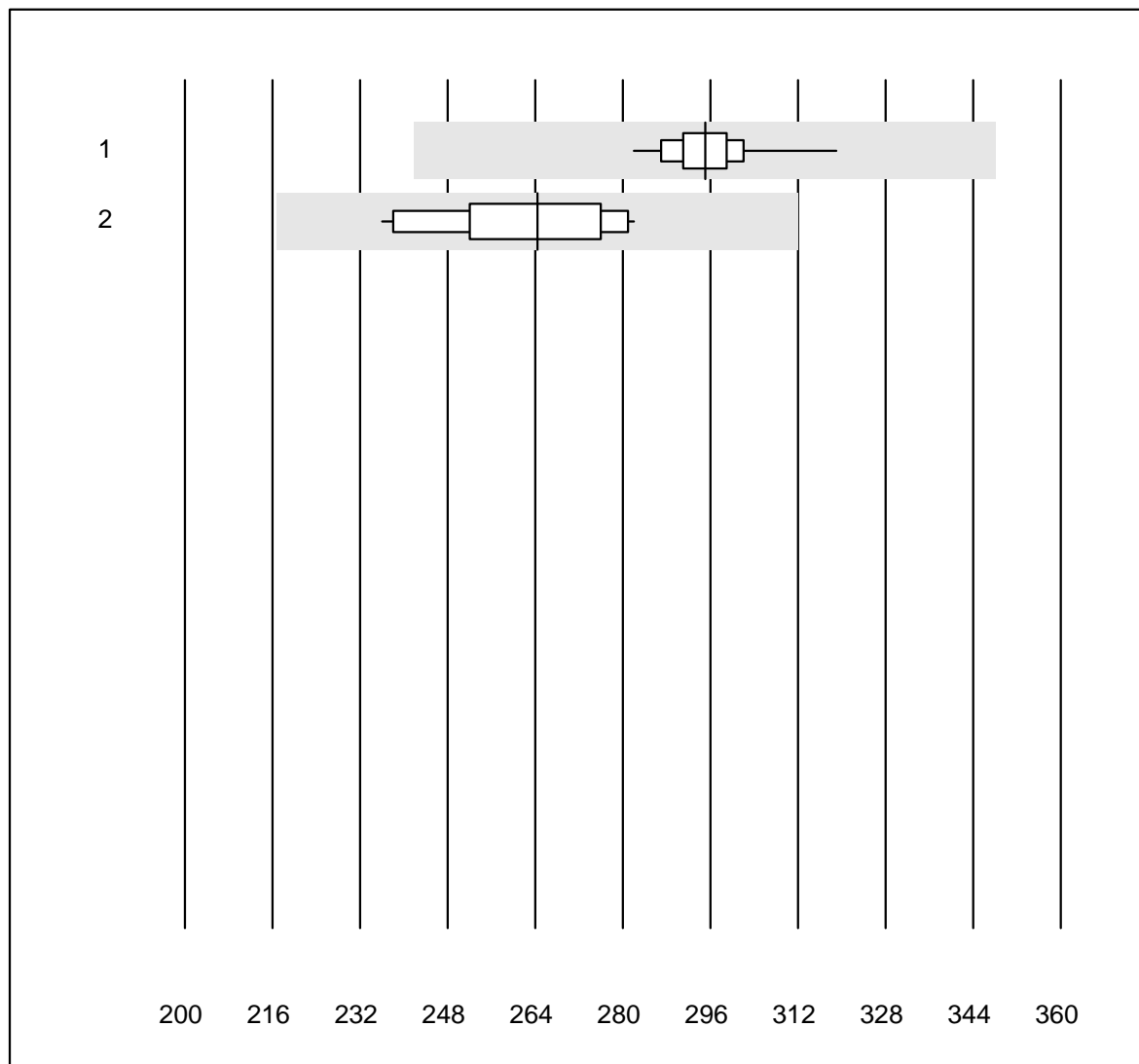
QUALAB tolerance : 18 %

Creatinine (µmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	17	100.0	0.0	0.0	256	3.6	e
2	Beckman	6	100.0	0.0	0.0	265	3.9	e
3	Roche	36	100.0	0.0	0.0	253	4.3	e
4	Siemens	6	100.0	0.0	0.0	258	1.7	e
5	Autolyser	20	100.0	0.0	0.0	253	4.1	e
6	Selectra Pro	16	100.0	0.0	0.0	264	5.7	e
7	Fuji Dri-Chem	1166	99.4	0.1	0.5	243	4.2	e
8	Spotchem D-Concept	635	99.5	0.2	0.3	241	2.7	e
9	Spotchem SP-4430	151	100.0	0.0	0.0	247	2.5	e
10	Piccolo	64	98.4	0.0	1.6	260	4.7	e
11	Skylla	5	100.0	0.0	0.0	255	3.3	e
12	Reflotron	9	77.8	11.1	11.1	291	11.5	e*
13	EPOC	10	80.0	0.0	20.0	259	7.4	e*

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

## Creatinine E



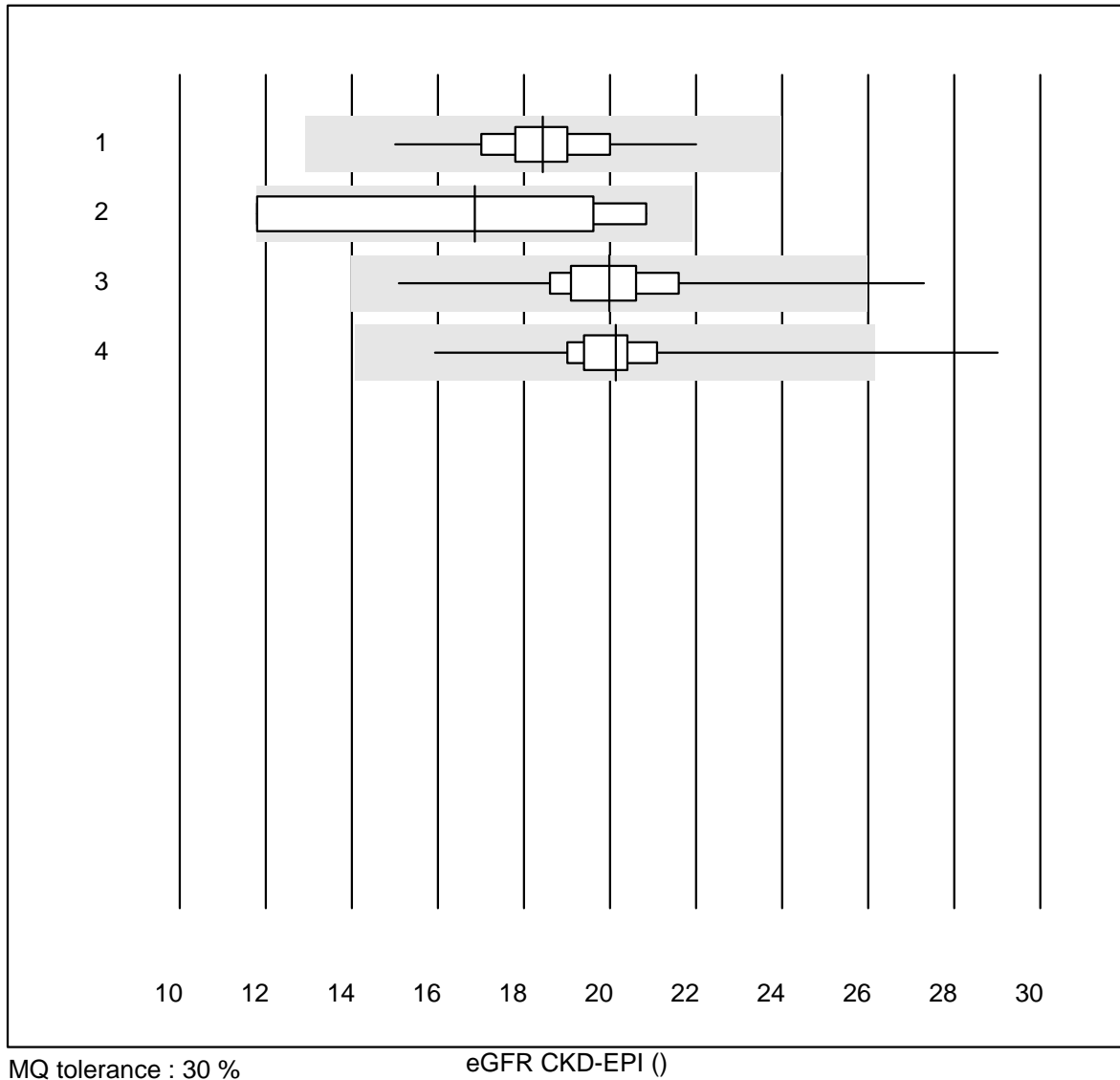
QUALAB tolerance : 18 %

Creatinine E (µmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	iStat Chem8	43	97.7	0.0	2.3	295	2.3	e
2	ABL700/800	13	100.0	0.0	0.0	264	6.0	e

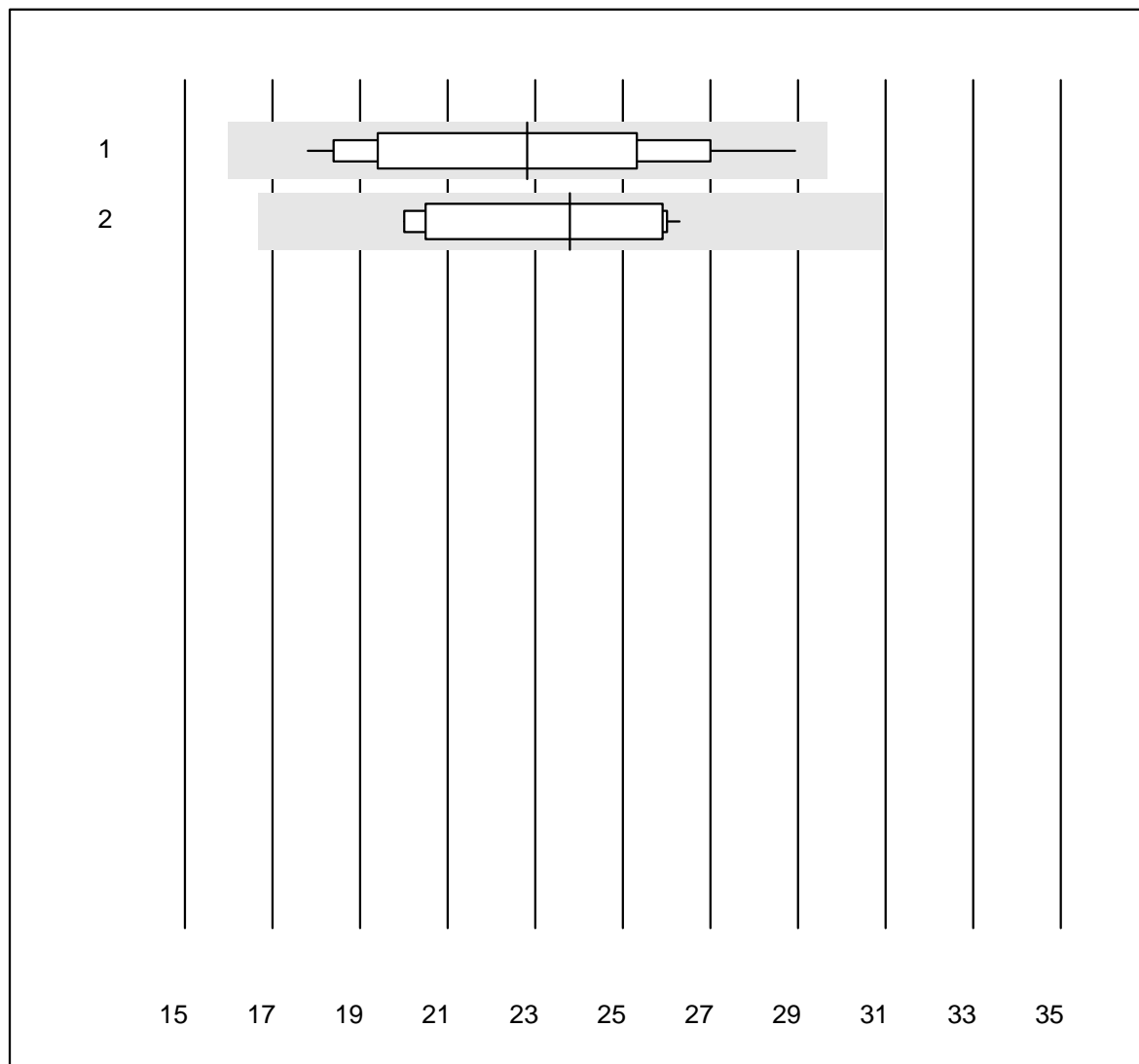


## eGFR CKD-EPI



No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Standard chemistry	57	96.5	0.0	3.5	18	6.9	e
2	Reflotron	4	100.0	0.0	0.0	17	26.1	e*
3	Fuji Dri-Chem	413	95.9	1.2	2.9	20	7.4	e
4	Spotchem	280	94.3	1.1	4.6	20	7.9	e

## eGFR Cockcroft-Gault



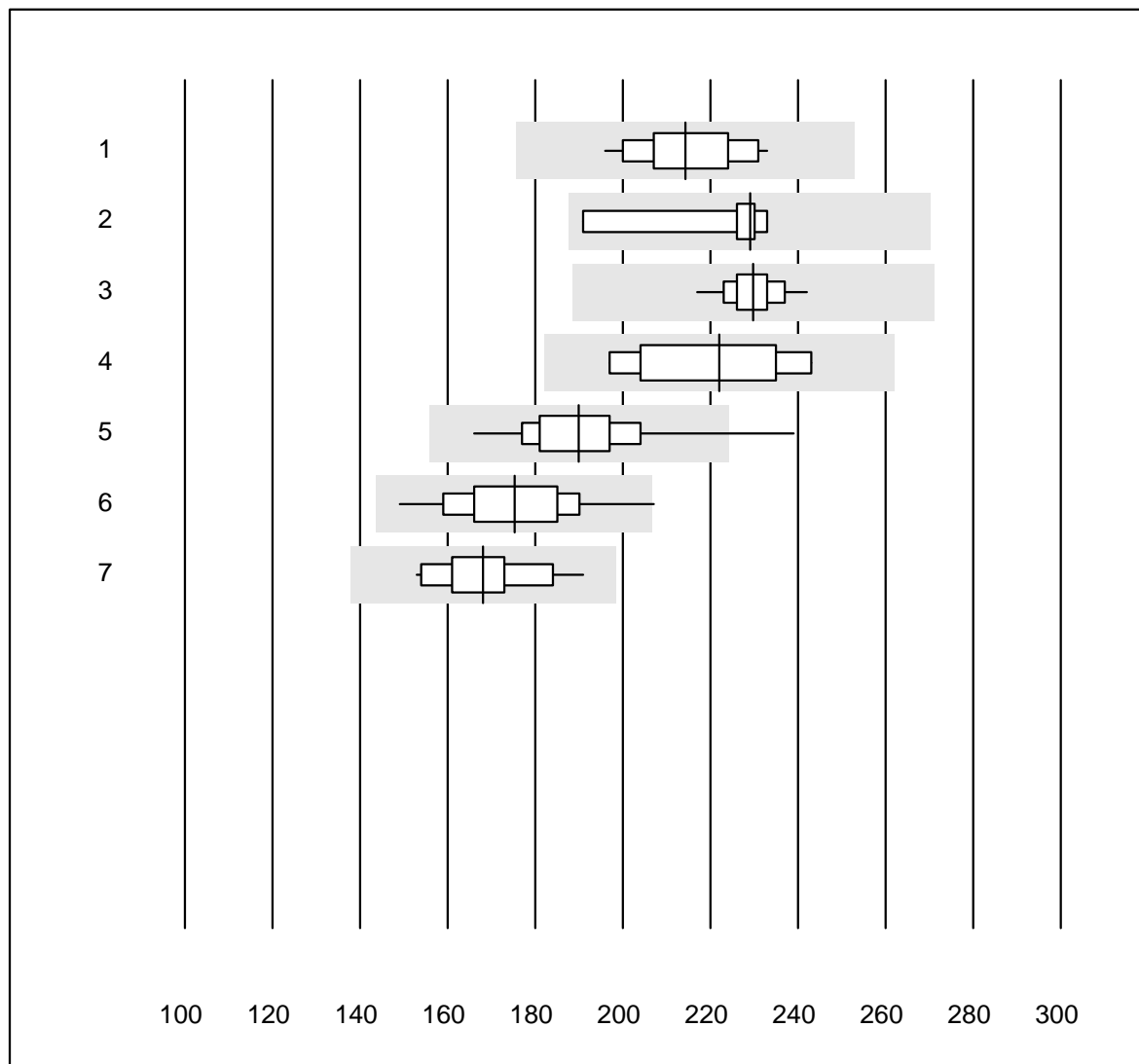
MQ tolerance : 30 %

eGFR Cockcroft-Gault ( )

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Fuji Dri-Chem	31	96.8	0.0	3.2	23	15.3	e
2	Spotchem	15	100.0	0.0	0.0	24	11.0	e

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

# LDH



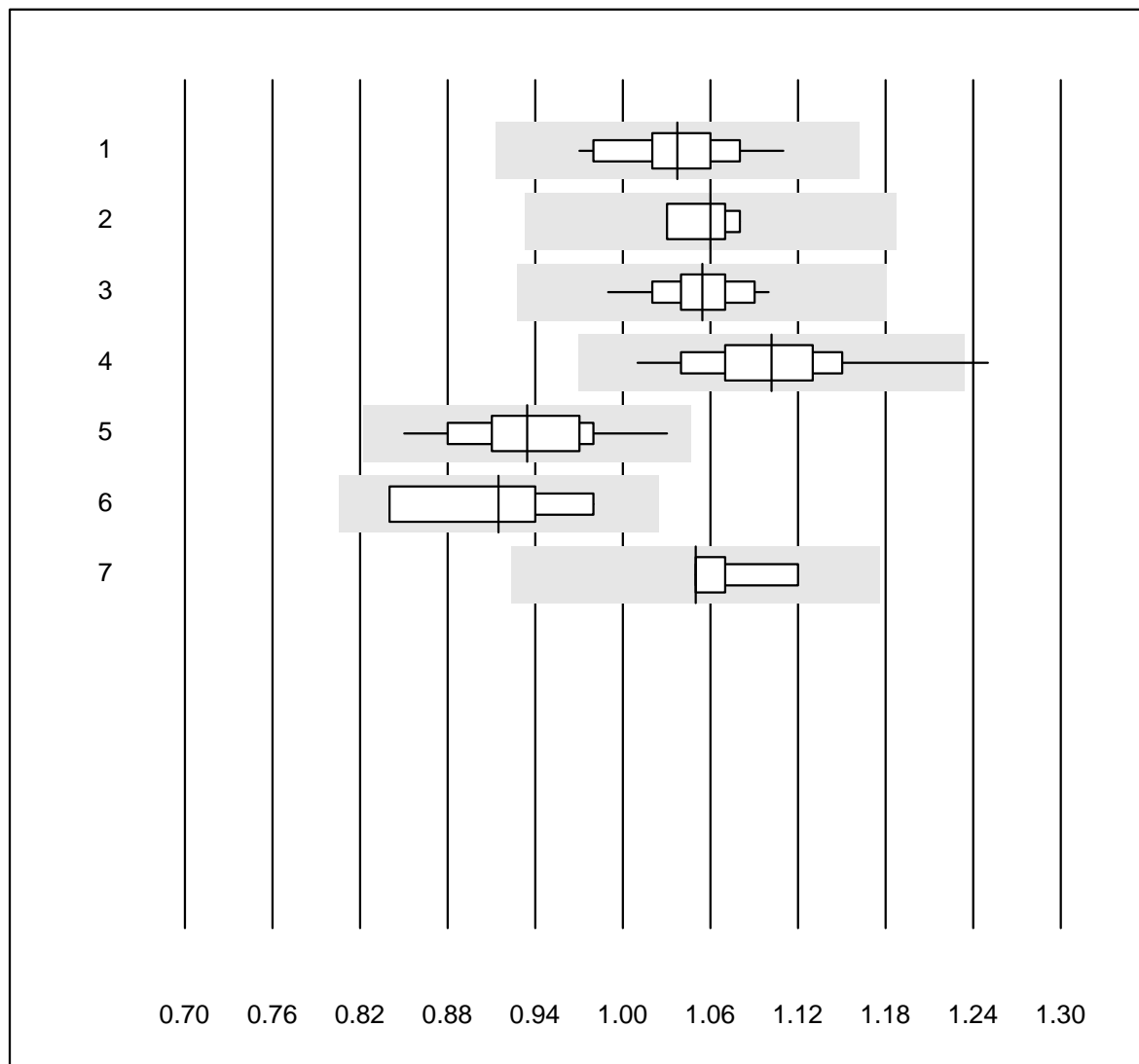
QUALAB tolerance : 18 %

LDH (U/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	18	100.0	0.0	0.0	214	5.3	e
2	Beckman	5	100.0	0.0	0.0	229	7.8	e*
3	Roche	32	100.0	0.0	0.0	230	2.5	e
4	Autolyser	7	100.0	0.0	0.0	222	7.4	e*
5	Fuji Dri-Chem	111	98.2	1.8	0.0	190	6.5	e
6	Spotchem D-Concept	42	95.2	2.4	2.4	175	7.6	e
7	Spotchem SP-4430	13	100.0	0.0	0.0	168	7.0	e

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

# Magnesium



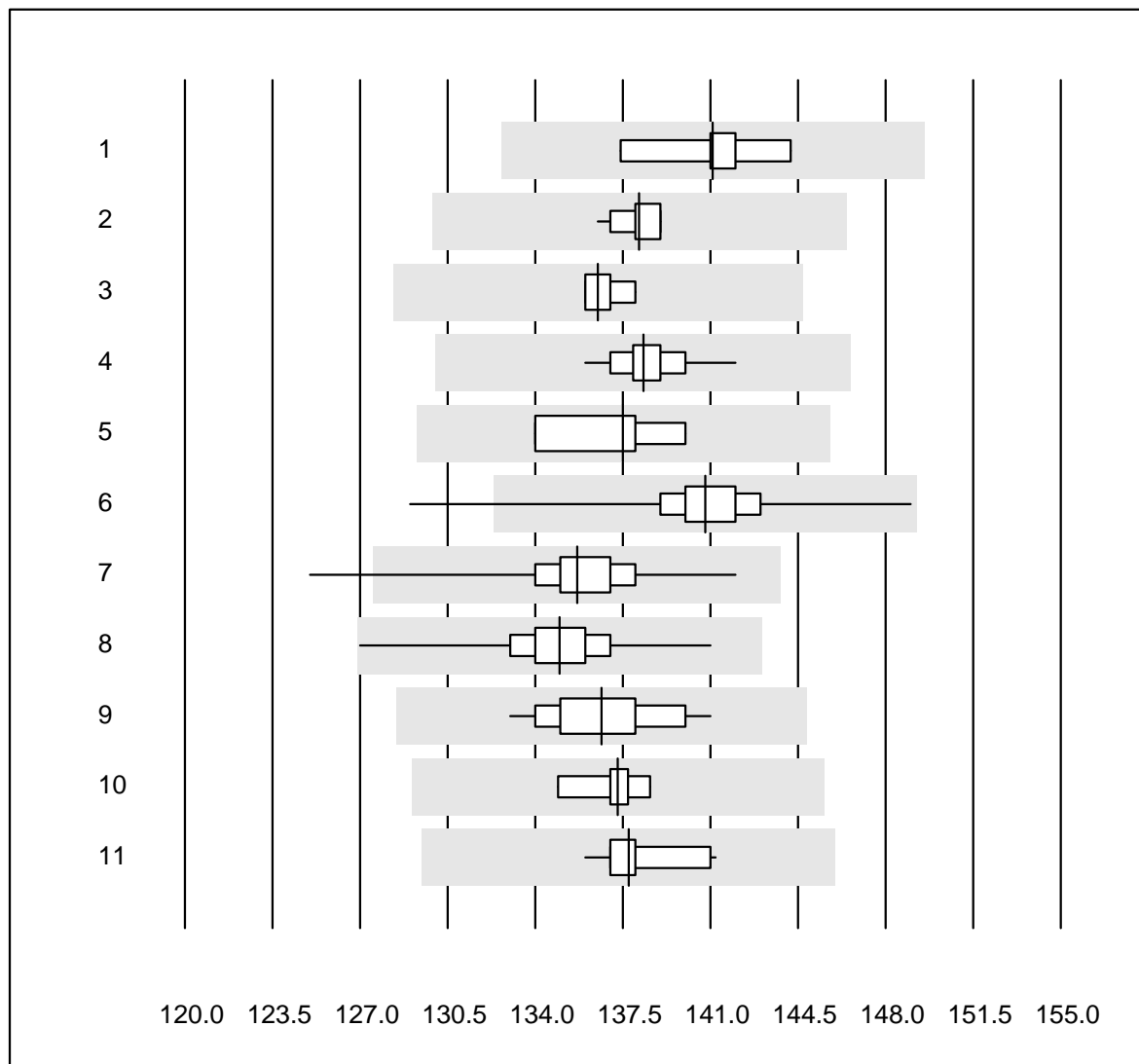
QUALAB tolerance : 12 %

Magnesium (mmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	17	100.0	0.0	0.0	1.04	3.5	e
2	Beckman	4	100.0	0.0	0.0	1.06	2.1	e
3	Roche	27	100.0	0.0	0.0	1.05	2.4	e
4	Fuji Dri-Chem	73	97.3	2.7	0.0	1.10	4.2	e
5	Spotchem D-Concept	38	100.0	0.0	0.0	0.93	4.1	e
6	Spotchem SP-4430	4	100.0	0.0	0.0	0.92	6.7	e*
7	Piccolo	5	100.0	0.0	0.0	1.05	2.8	e

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

# Sodium



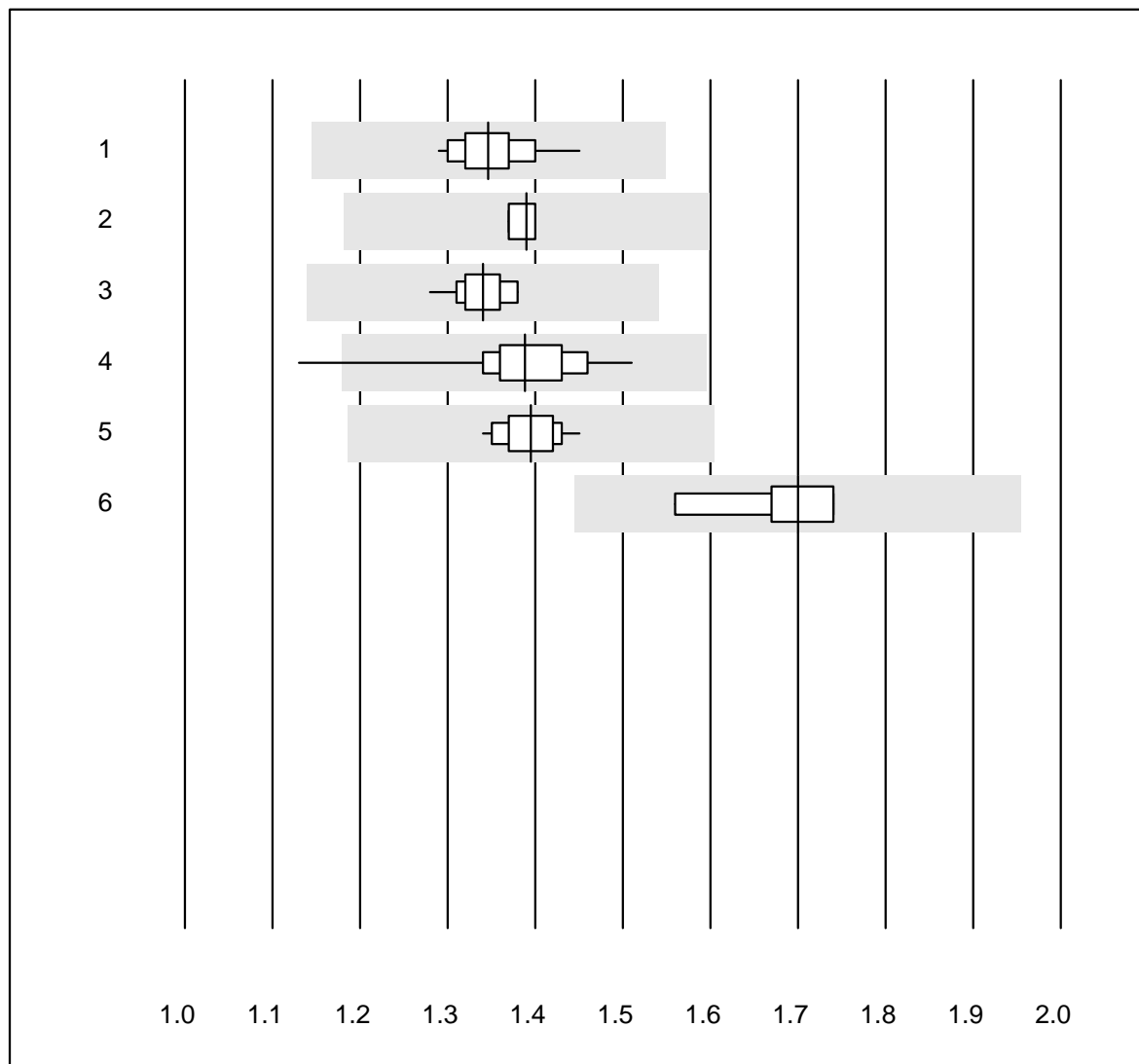
QUALAB tolerance : 6 %

Sodium (mmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Autolyser	9	100.0	0.0	0.0	141	1.3	e
2	Abbott	19	100.0	0.0	0.0	138	0.5	e
3	Beckman	6	100.0	0.0	0.0	137	0.6	e
4	Roche	35	100.0	0.0	0.0	138	0.9	e
5	Siemens	4	100.0	0.0	0.0	138	1.8	e*
6	Fuji Dri-Chem	1019	98.7	0.7	0.6	141	1.5	e
7	Spotchem D-Concept	453	99.6	0.2	0.2	136	1.3	e
8	Spotchem EL-SE 1520	60	100.0	0.0	0.0	135	1.9	e
9	Piccolo	37	97.3	0.0	2.7	137	1.6	e
10	Exias	6	100.0	0.0	0.0	137	0.9	e
11	iStat Chem8	15	100.0	0.0	0.0	138	1.1	e

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

## Phosphate



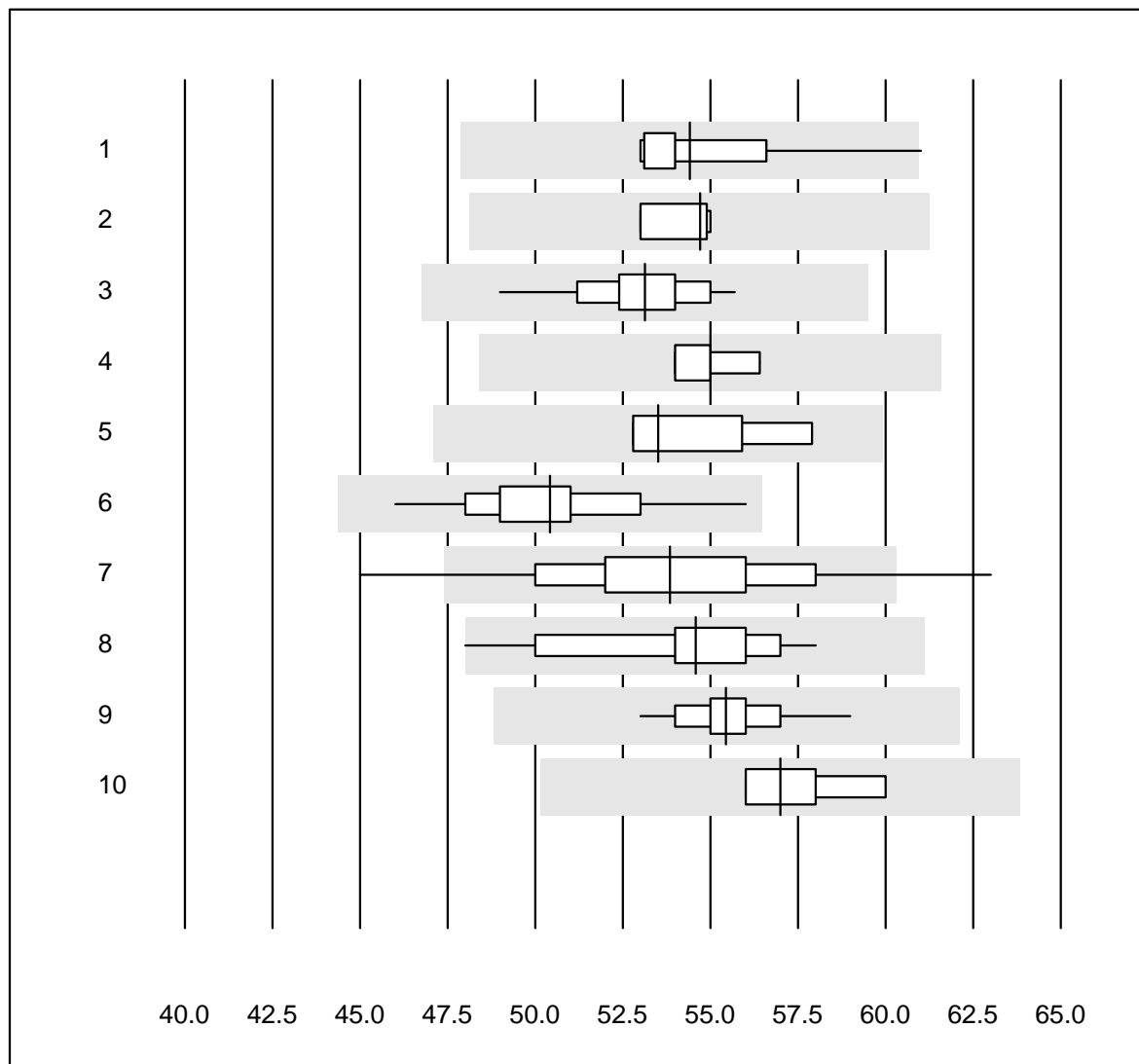
QUALAB tolerance : 15 %

Phosphate (mmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	16	100.0	0.0	0.0	1.35	3.1	e
2	Beckman	4	100.0	0.0	0.0	1.39	1.1	e
3	Roche	32	100.0	0.0	0.0	1.34	1.9	e
4	Fuji Dri-Chem	75	98.7	1.3	0.0	1.39	4.1	e
5	Spotchem D-Concept	14	92.9	0.0	7.1	1.39	2.4	e
6	Piccolo	6	100.0	0.0	0.0	1.70	4.1	e

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

## Protein total



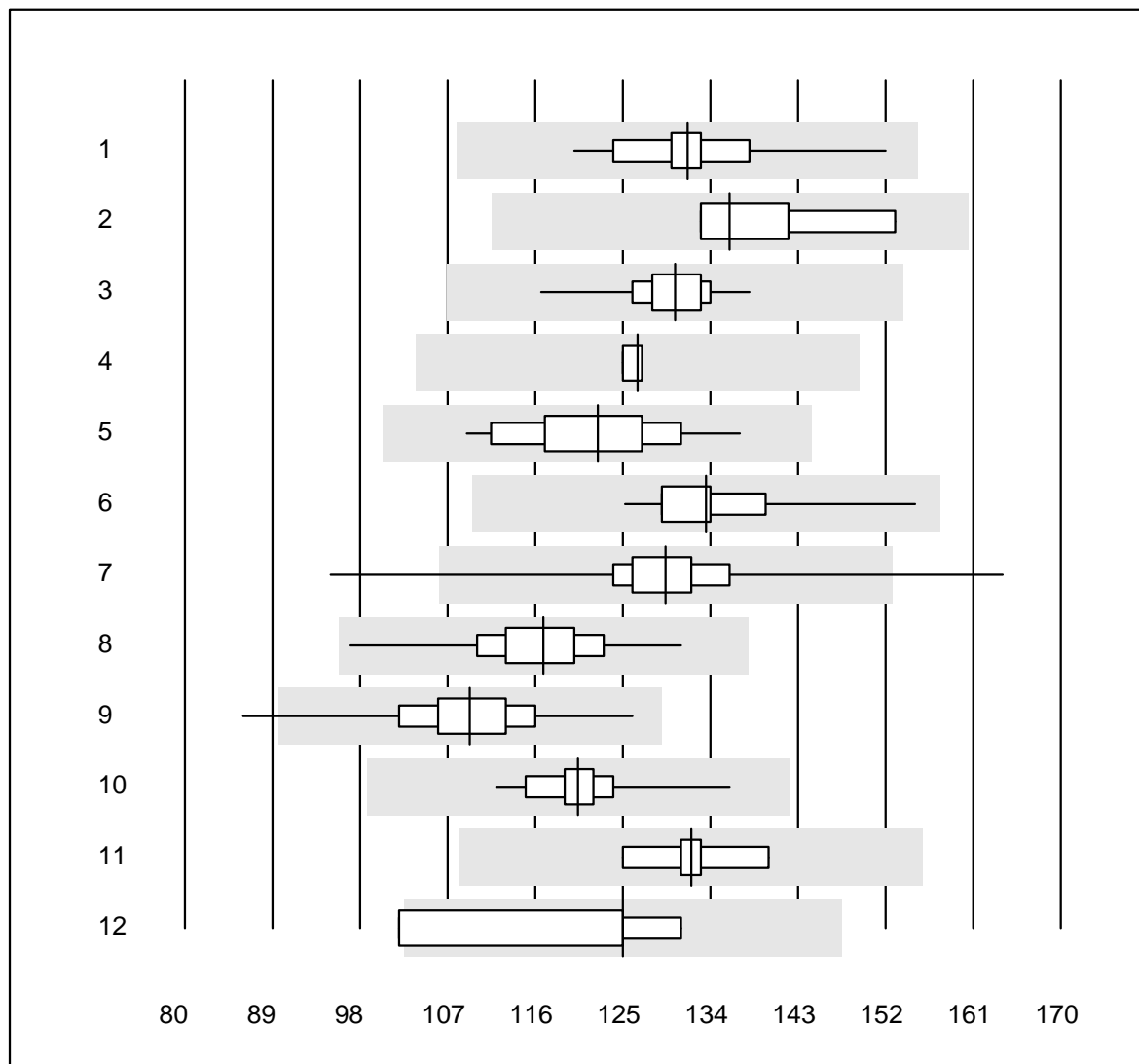
QUALAB tolerance : 12 %

Protein total (g/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	17	94.1	5.9	0.0	54.4	3.6	e
2	Beckman	4	100.0	0.0	0.0	54.7	1.7	e
3	Roche	31	96.8	0.0	3.2	53.1	2.8	e
4	Siemens	4	100.0	0.0	0.0	55.0	1.8	e
5	Selectra Pro	8	100.0	0.0	0.0	53.5	3.8	e
6	Fuji Dri-Chem	189	98.4	0.0	1.6	50.4	3.6	e
7	Spotchem D-Concept	184	96.2	2.7	1.1	53.8	5.4	e
8	Spotchem SP-4430	28	96.4	3.6	0.0	54.6	4.5	e
9	Piccolo	45	93.3	0.0	6.7	55.4	2.3	e
10	Skyla	5	80.0	0.0	20.0	57.0	3.0	e

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

## Aspartate aminotransferase



QUALAB tolerance : 18 %

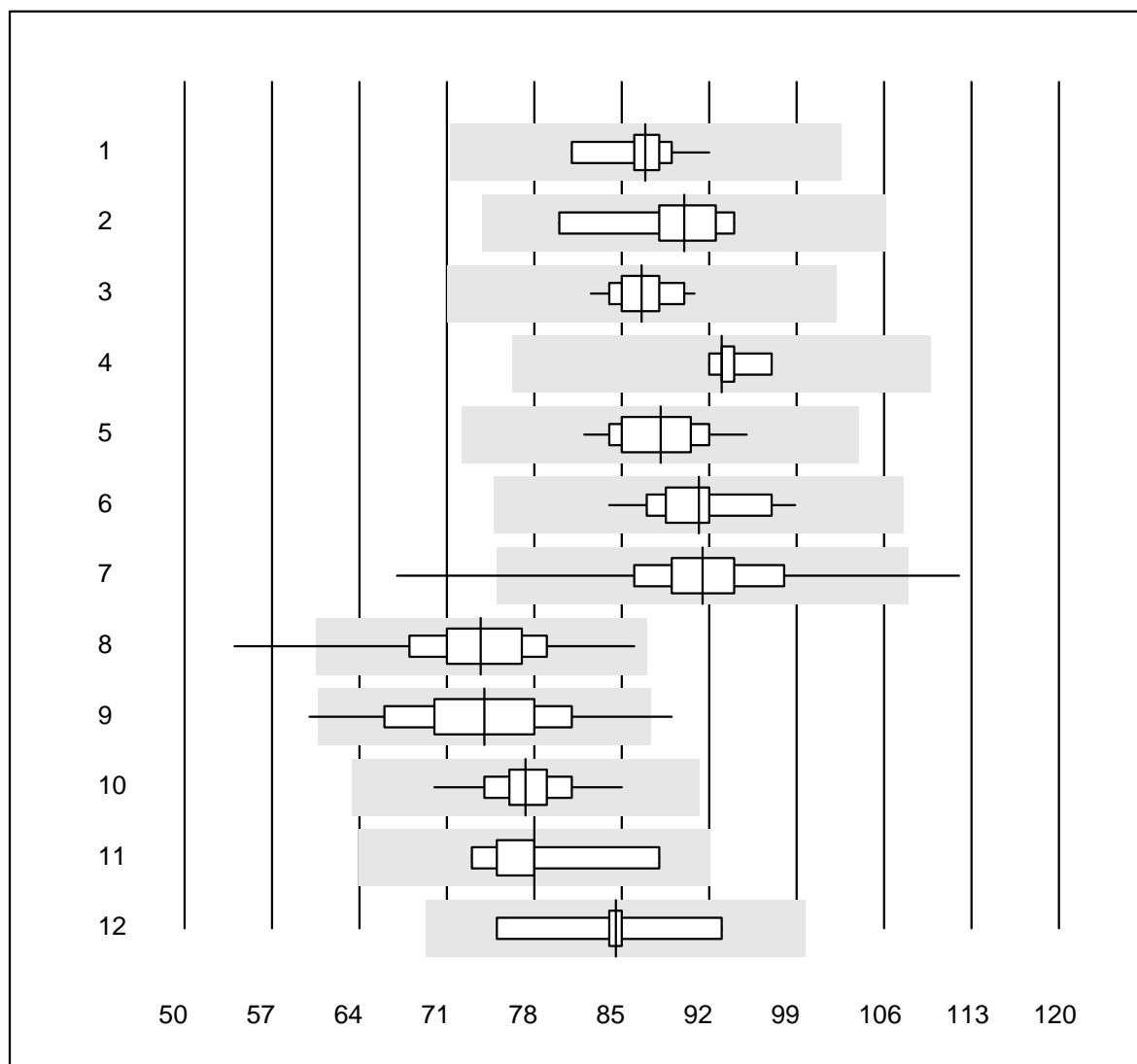
Aspartate aminotransferase (U/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	19	100.0	0.0	0.0	132	4.9	e
2	Beckman	6	100.0	0.0	0.0	136	5.5	e*
3	Roche	36	100.0	0.0	0.0	130	3.0	e
4	Siemens	4	100.0	0.0	0.0	127	0.8	e
5	Autolyser	20	100.0	0.0	0.0	122	6.2	e
6	Selectra Pro	16	100.0	0.0	0.0	134	5.0	e
7	Fuji Dri-Chem	1143	98.4	0.8	0.8	129	4.2	e
8	Spotchem D-Concept	626	99.2	0.0	0.8	117	4.5	e
9	Spotchem SP-4430	144	98.6	0.7	0.7	109	5.5	e
10	Piccolo	70	97.1	0.0	2.9	120	2.9	e
11	Skyla	5	100.0	0.0	0.0	132	4.1	e
12	Reflotron	5	60.0	20.0	20.0	125	10.6	e*

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



## Alanine aminotransferase



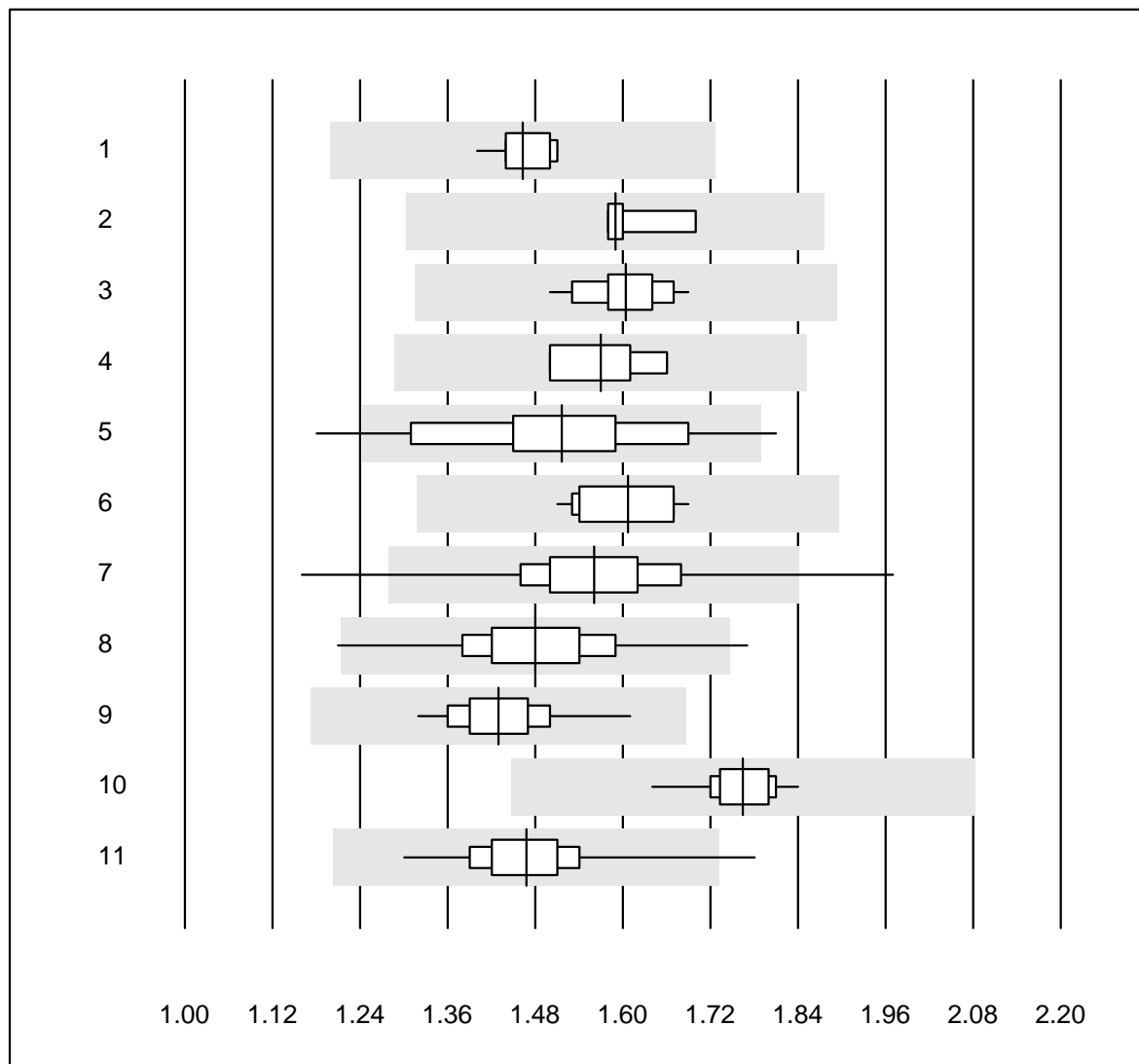
QUALAB tolerance : 18 %

Alanine aminotransferase (U/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	17	100.0	0.0	0.0	87	3.2	e
2	Beckman	6	100.0	0.0	0.0	90	5.6	e*
3	Roche	36	100.0	0.0	0.0	87	2.4	e
4	Siemens	6	100.0	0.0	0.0	93	1.9	e
5	Autolyser	20	100.0	0.0	0.0	88	3.8	e
6	Selectra Pro	16	100.0	0.0	0.0	91	4.3	e
7	Fuji Dri-Chem	1157	99.4	0.5	0.1	91	5.0	e
8	Spotchem D-Concept	632	97.3	2.1	0.6	74	6.4	e
9	Spotchem SP-4430	146	97.2	2.1	0.7	74	8.1	e
10	Piccolo	68	95.6	0.0	4.4	77	3.8	e
11	Skylla	5	100.0	0.0	0.0	78	7.4	e*
12	Reflotron	5	100.0	0.0	0.0	85	7.6	e*

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

# Triglycerides



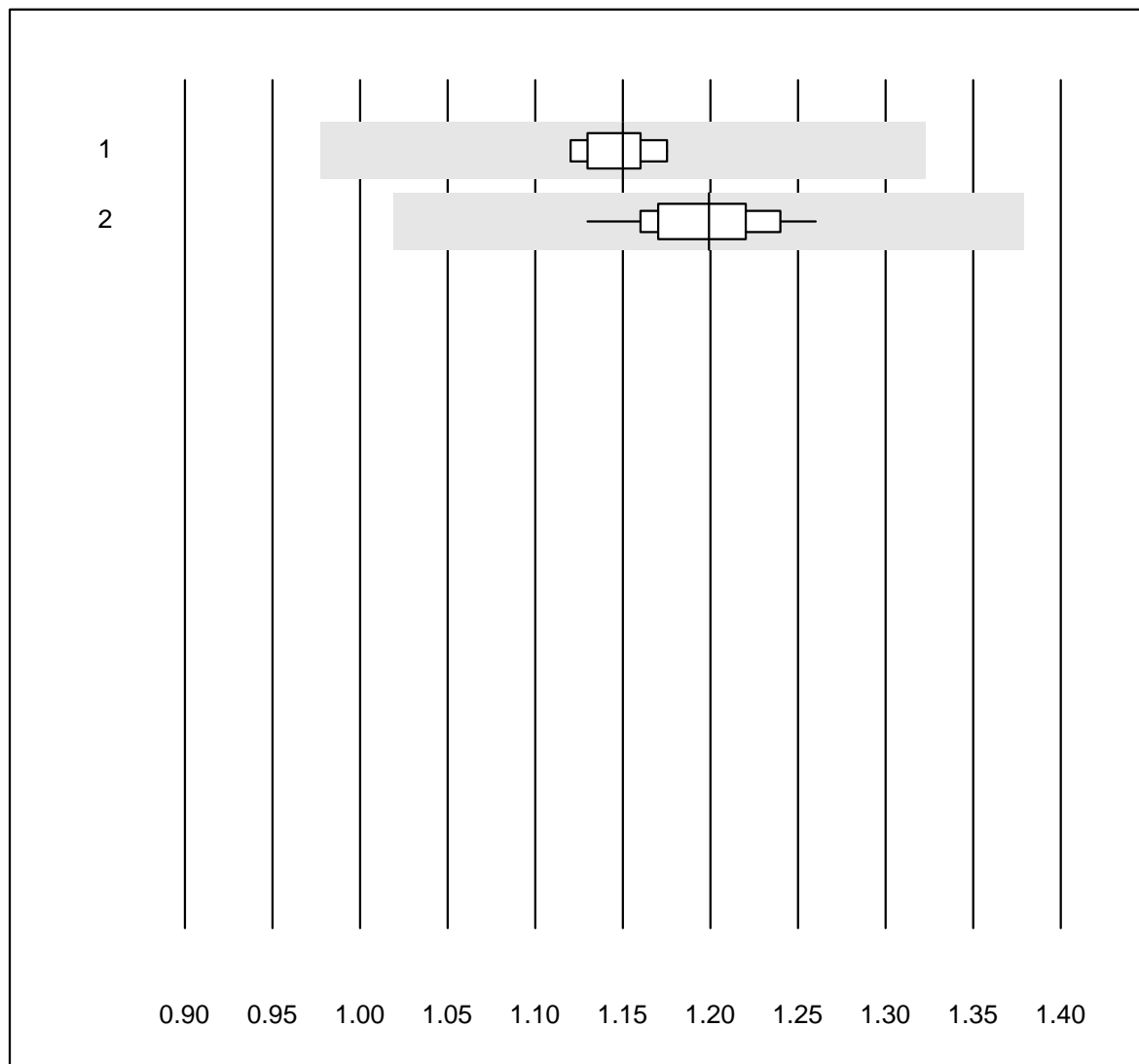
QUALAB tolerance : 18 %

Triglycerides (mmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	15	100.0	0.0	0.0	1.46	2.2	e
2	Beckman	4	100.0	0.0	0.0	1.59	3.6	e
3	Roche	29	100.0	0.0	0.0	1.60	3.0	e
4	Siemens	7	100.0	0.0	0.0	1.57	3.9	e
5	Autolyser	20	85.0	10.0	5.0	1.52	9.0	e
6	Selectra Pro	13	92.3	0.0	7.7	1.61	3.8	e
7	Fuji Dri-Chem	955	98.8	0.5	0.7	1.56	5.6	e
8	Spotchem D-Concept	448	96.7	0.4	2.9	1.48	5.5	e
9	Spotchem SP-4430	78	100.0	0.0	0.0	1.43	4.1	e
10	Piccolo	23	100.0	0.0	0.0	1.76	2.6	e
11	Cholestech LDX	275	99.6	0.4	0.0	1.47	4.5	e

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

# Lithium



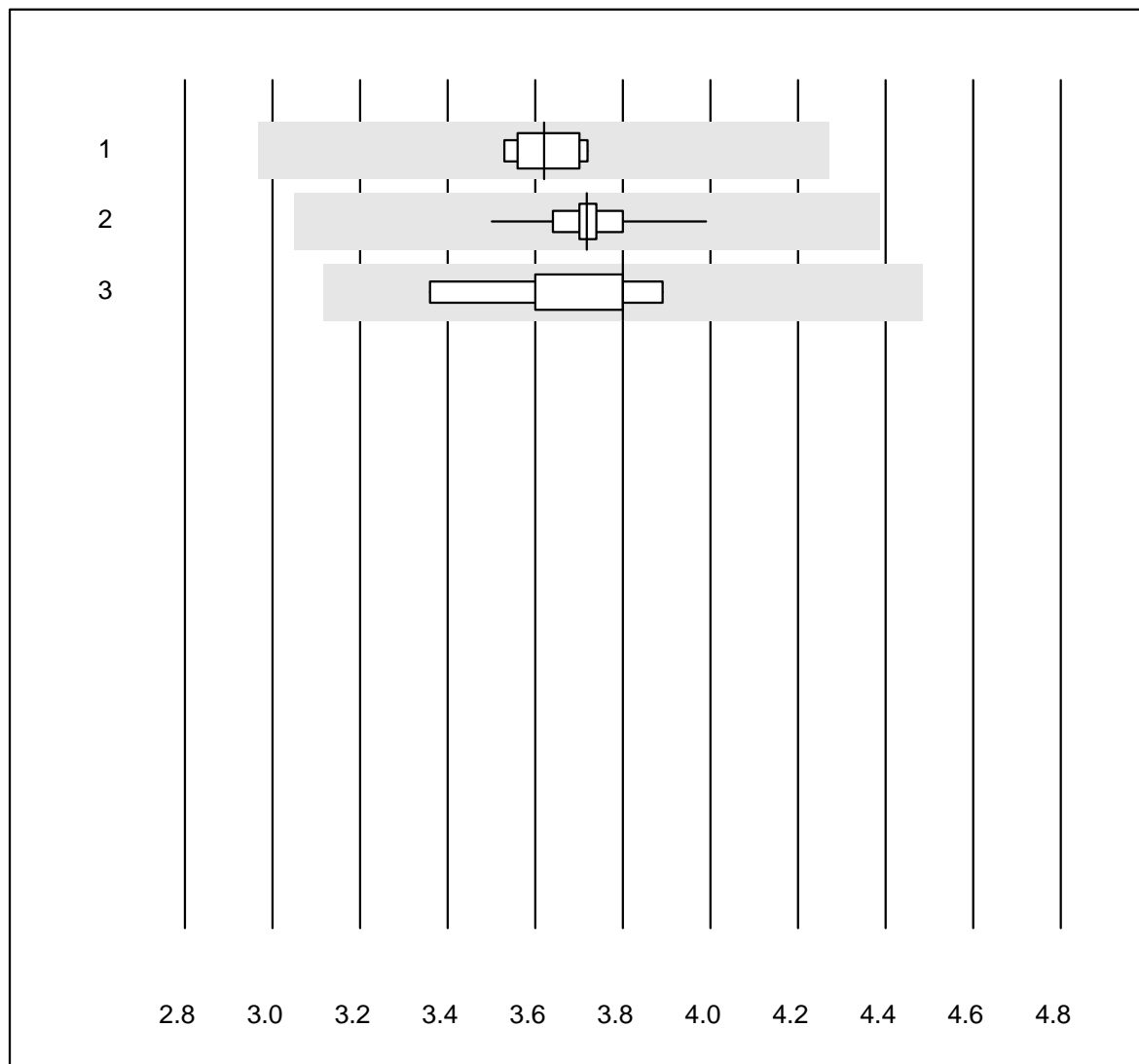
QUALAB tolerance : 15 %

Lithium (mmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	6	100.0	0.0	0.0	1.15	1.7	e
2	Roche	12	100.0	0.0	0.0	1.20	3.0	e

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

# Lactate

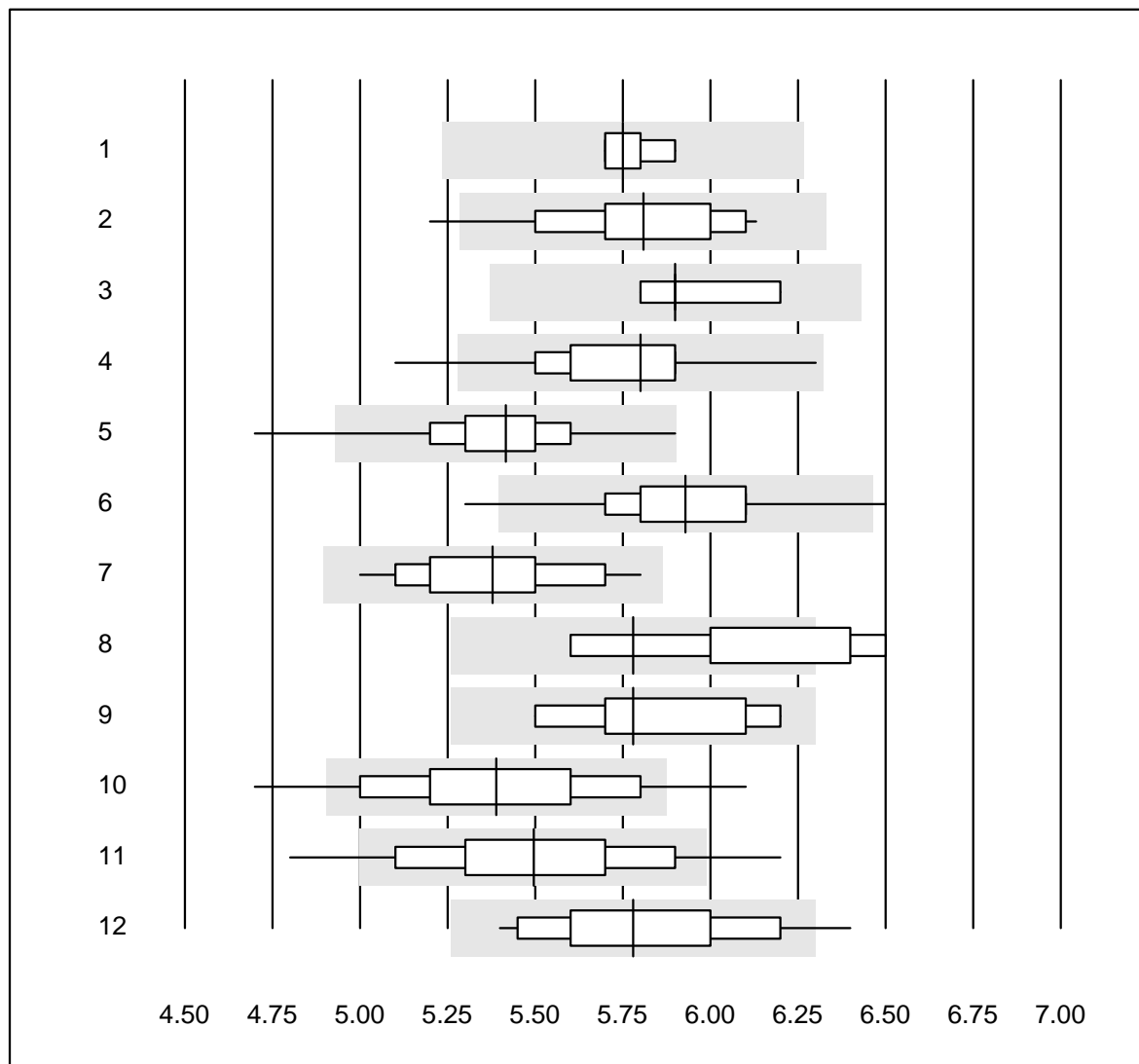


QUALAB tolerance : 18 %

Lactate (mmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	7	100.0	0.0	0.0	3.62	1.9	e
2	Roche	13	100.0	0.0	0.0	3.72	2.9	e
3	Other methods	5	100.0	0.0	0.0	3.80	5.8	e*

### HbA1c sample A



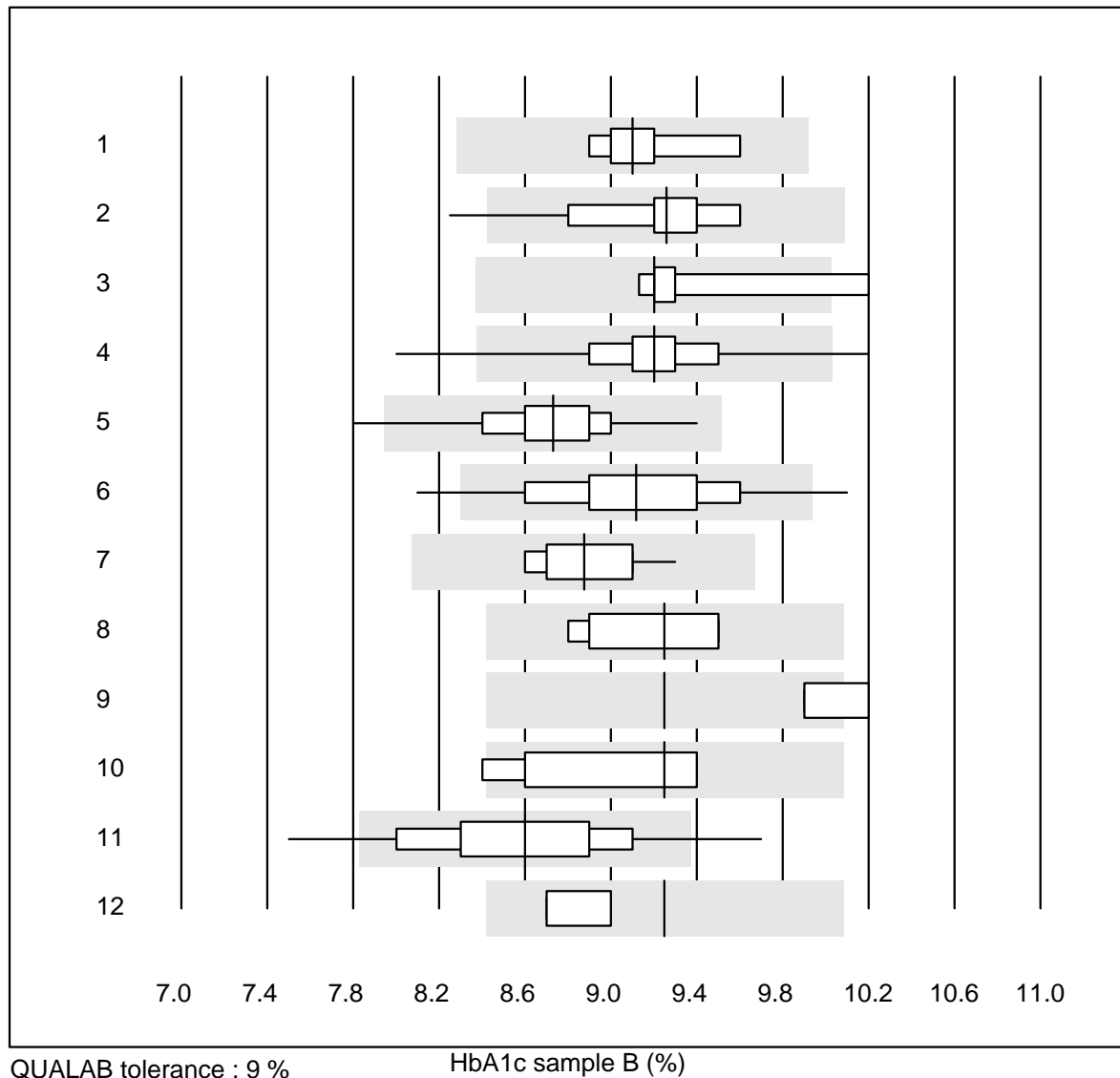
QUALAB tolerance : 9 %

HbA1c sample A (%)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	6	100.0	0.0	0.0	5.8	1.4	e
2	Roche, Cobas	19	94.7	5.3	0.0	5.8	4.1	e
3	HPLC	9	100.0	0.0	0.0	5.9	2.0	e
4	Afinion	524	98.8	0.8	0.4	5.8	3.1	e
5	Cobas b101	199	98.0	2.0	0.0	5.4	3.5	e
6	DCA2000/Vantage	130	97.7	1.5	0.8	5.9	3.3	e
7	Celltac chemi	20	95.0	0.0	5.0	5.4	4.1	e
8	NycoCard	7	71.4	28.6	0.0	5.8	4.8	d
9	Eurolyser	8	100.0	0.0	0.0	5.8	3.9	d
10	A1c Now	219	85.9	11.4	2.7	5.4	5.3	e
11	AFIAS	121	87.6	9.9	2.5	5.5	5.1	e
12	Others	21	85.7	9.5	4.8	5.8	4.8	d
13	Spinit	6	100.0	0.0	0.0	5.8	4.2	d

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

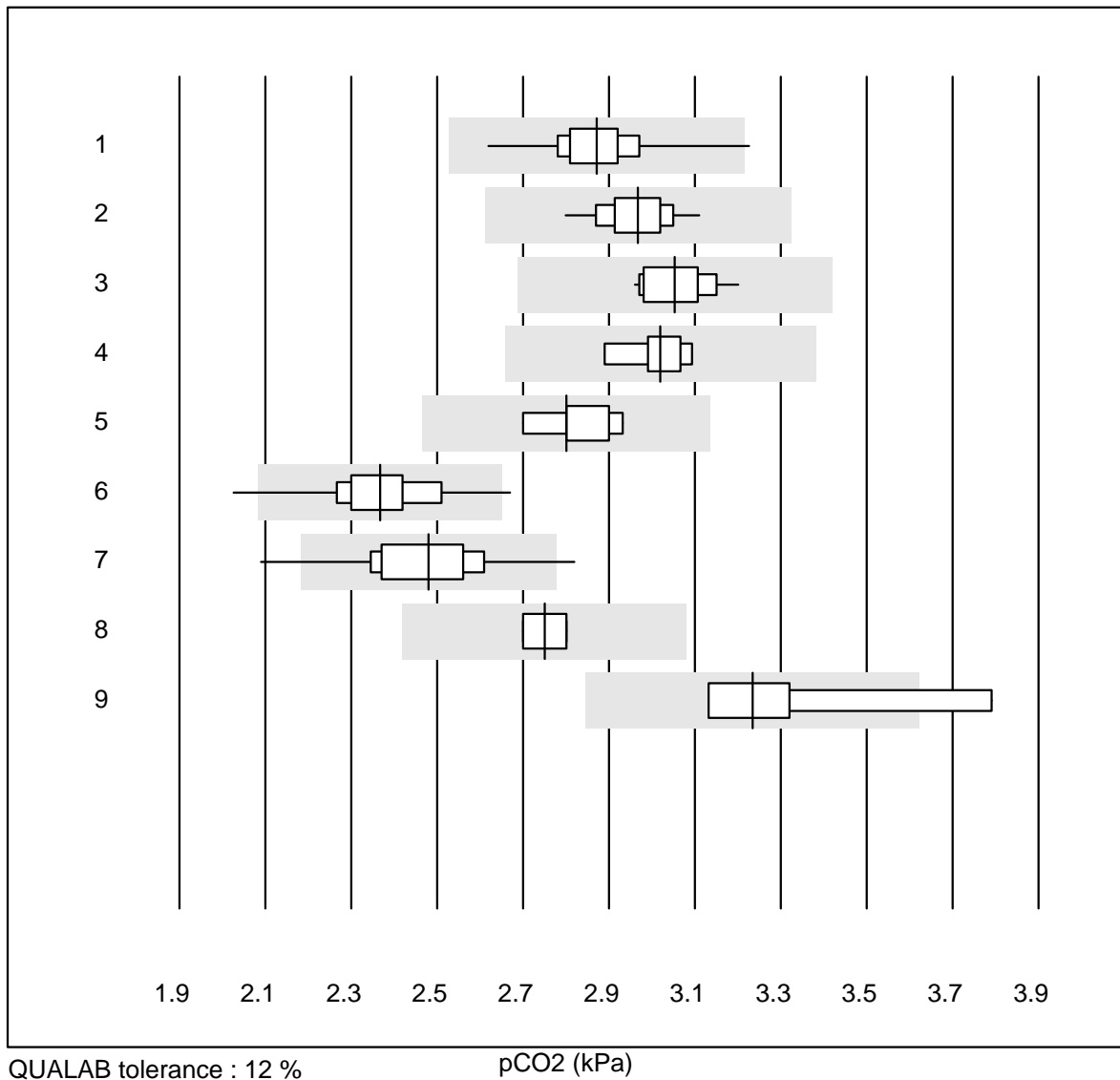
## HbA1c sample B



No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	5	100.0	0.0	0.0	9.1	2.9	e*
2	Roche, Cobas	18	94.4	5.6	0.0	9.3	3.5	e
3	HPLC	9	88.9	11.1	0.0	9.2	3.6	e*
4	Afinion	756	98.8	0.7	0.5	9.2	2.7	e
5	Cobas b101	199	98.5	1.5	0.0	8.7	3.0	e
6	DCA2000/Vantage	191	97.4	2.1	0.5	9.1	4.2	e
7	Celltac chemi	16	100.0	0.0	0.0	8.9	2.4	e
8	NycoCard	5	100.0	0.0	0.0	9.3	3.7	d
9	Eurolyser	5	20.0	40.0	40.0	9.3	1.5	d
10	A1c Now	6	83.3	16.7	0.0	9.3	4.9	d
11	AFIAS	161	86.3	8.1	5.6	8.6	5.2	e
12	Spinit	4	75.0	0.0	25.0	9.3	1.7	d
13	Others	13	100.0	0.0	0.0	9.3	3.3	d
14	Quick Read go	6	66.6	16.7	16.7	9.3	7.4	d

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

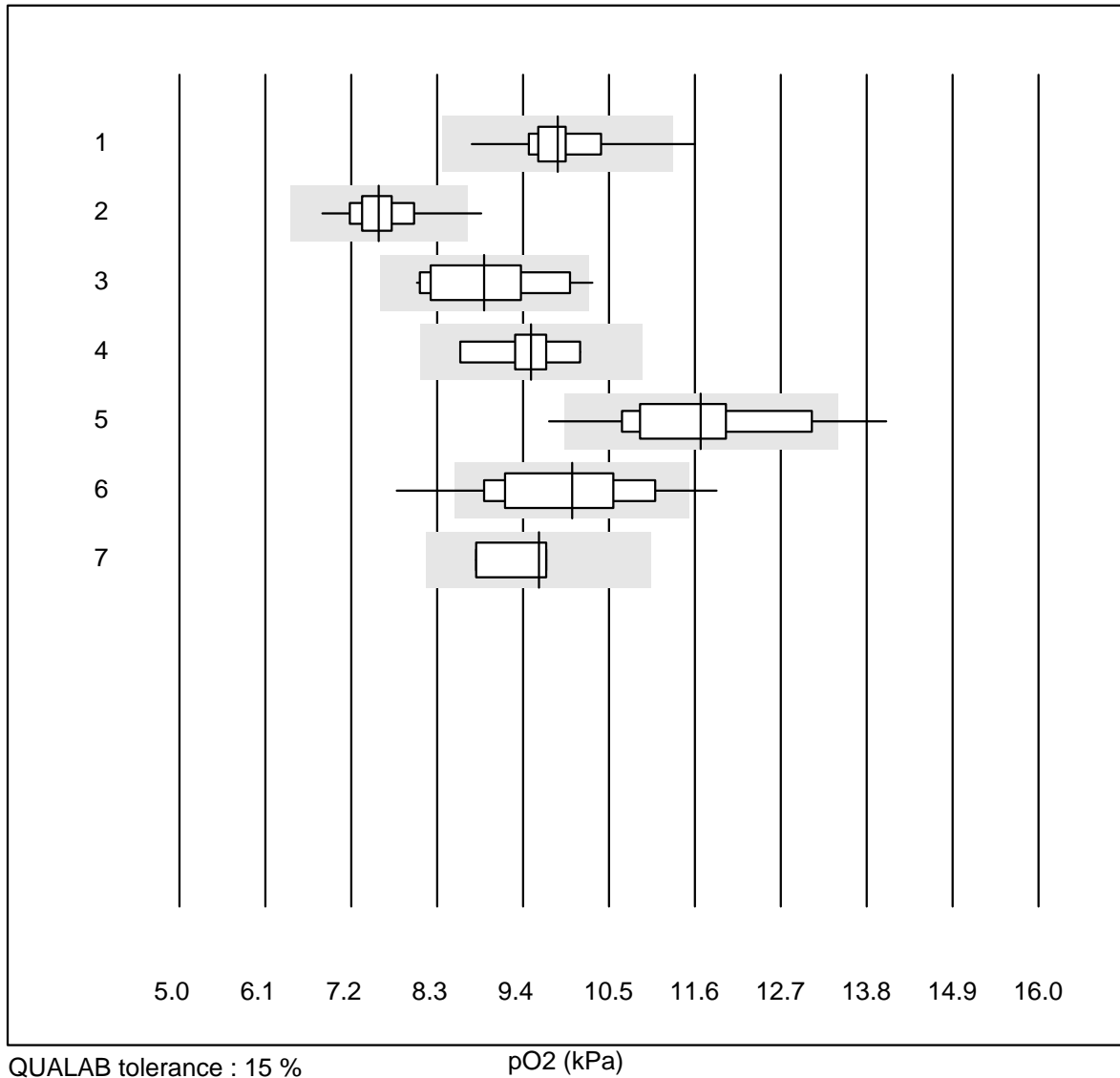
## pCO2



No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	ABL700/800	108	99.1	0.9	0.0	2.87	3.0	e
2	ABL90 FLEX / PLUS	116	100.0	0.0	0.0	2.97	2.2	e
3	Cobas b 123	14	100.0	0.0	0.0	3.05	2.4	e
4	Cobas b 221	5	100.0	0.0	0.0	3.02	2.6	e
5	GEM	9	100.0	0.0	0.0	2.80	2.6	e
6	iStat	49	91.8	4.1	4.1	2.37	4.7	e
7	EPOC	54	90.7	5.6	3.7	2.48	5.4	e
8	IL	4	100.0	0.0	0.0	2.75	2.1	e
9	Other methods	4	75.0	25.0	0.0	3.24	9.2	e*

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

**pO2**



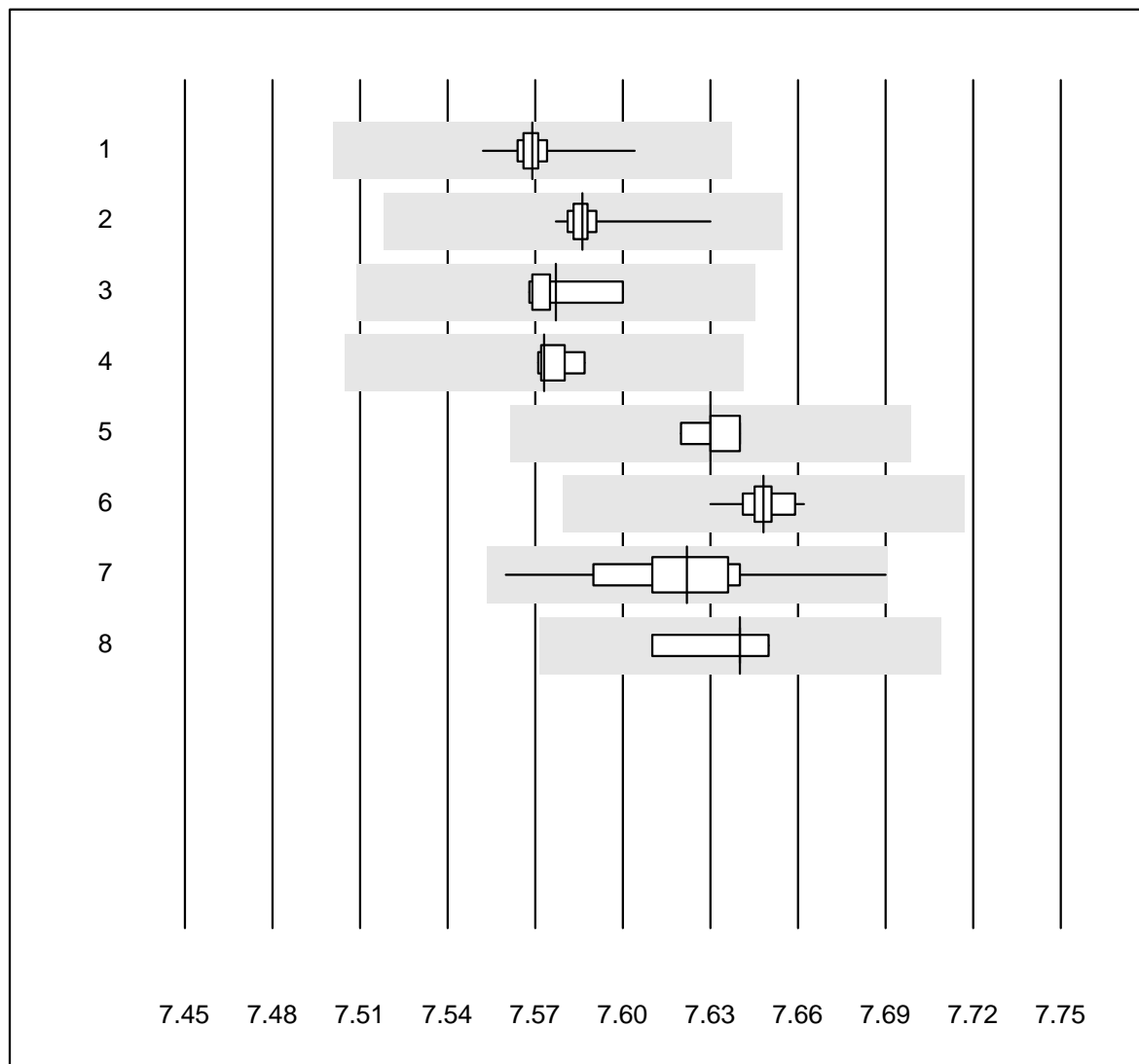
No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	ABL700/800	106	92.5	0.9	6.6	9.84	4.3	e
2	ABL90 FLEX / PLUS	116	94.8	0.9	4.3	7.55	4.6	e
3	Cobas b 123	16	93.7	6.3	0.0	8.90	8.2	e*
4	GEM	9	100.0	0.0	0.0	9.50	4.8	e
5	iStat	47	78.7	6.4	14.9	11.68	8.3	e
6	EPOC	53	81.1	5.7	13.2	10.02	8.9	e
7	IL	4	100.0	0.0	0.0	9.60	4.5	e*

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



# K04 Blood gases

## pH



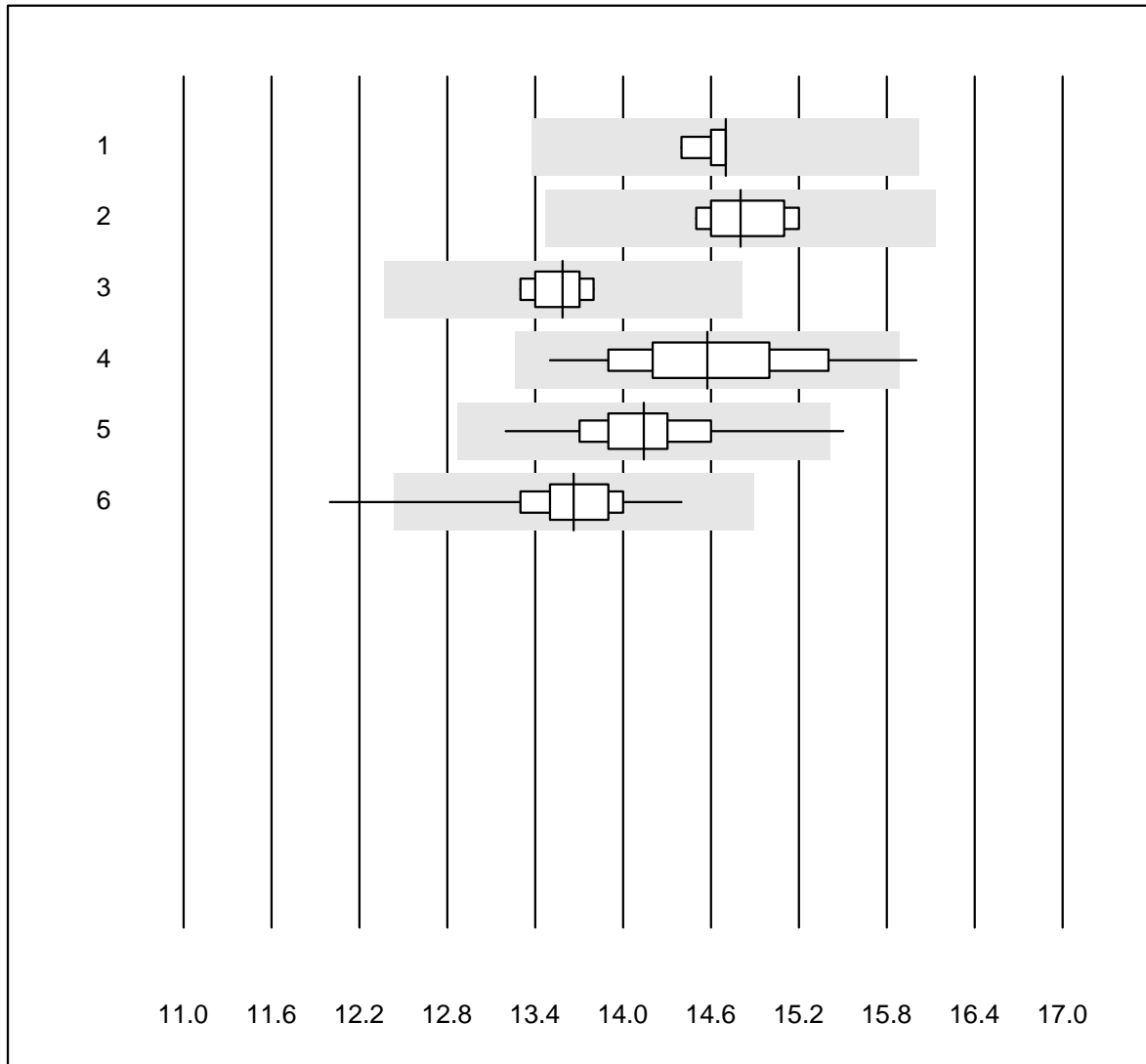
QUALAB tolerance : 1 %

pH ()

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	ABL700/800	106	100.0	0.0	0.0	7.57	0.1	e
2	ABL90 FLEX / PLUS	117	100.0	0.0	0.0	7.59	0.1	e
3	Cobas b 123	15	100.0	0.0	0.0	7.58	0.2	e
4	Cobas b 221	5	100.0	0.0	0.0	7.57	0.1	e
5	GEM	9	100.0	0.0	0.0	7.63	0.1	e
6	iStat	50	96.0	0.0	4.0	7.65	0.1	e
7	EPOC	54	100.0	0.0	0.0	7.62	0.3	e
8	IL	5	100.0	0.0	0.0	7.64	0.2	e

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

## Glucose BG



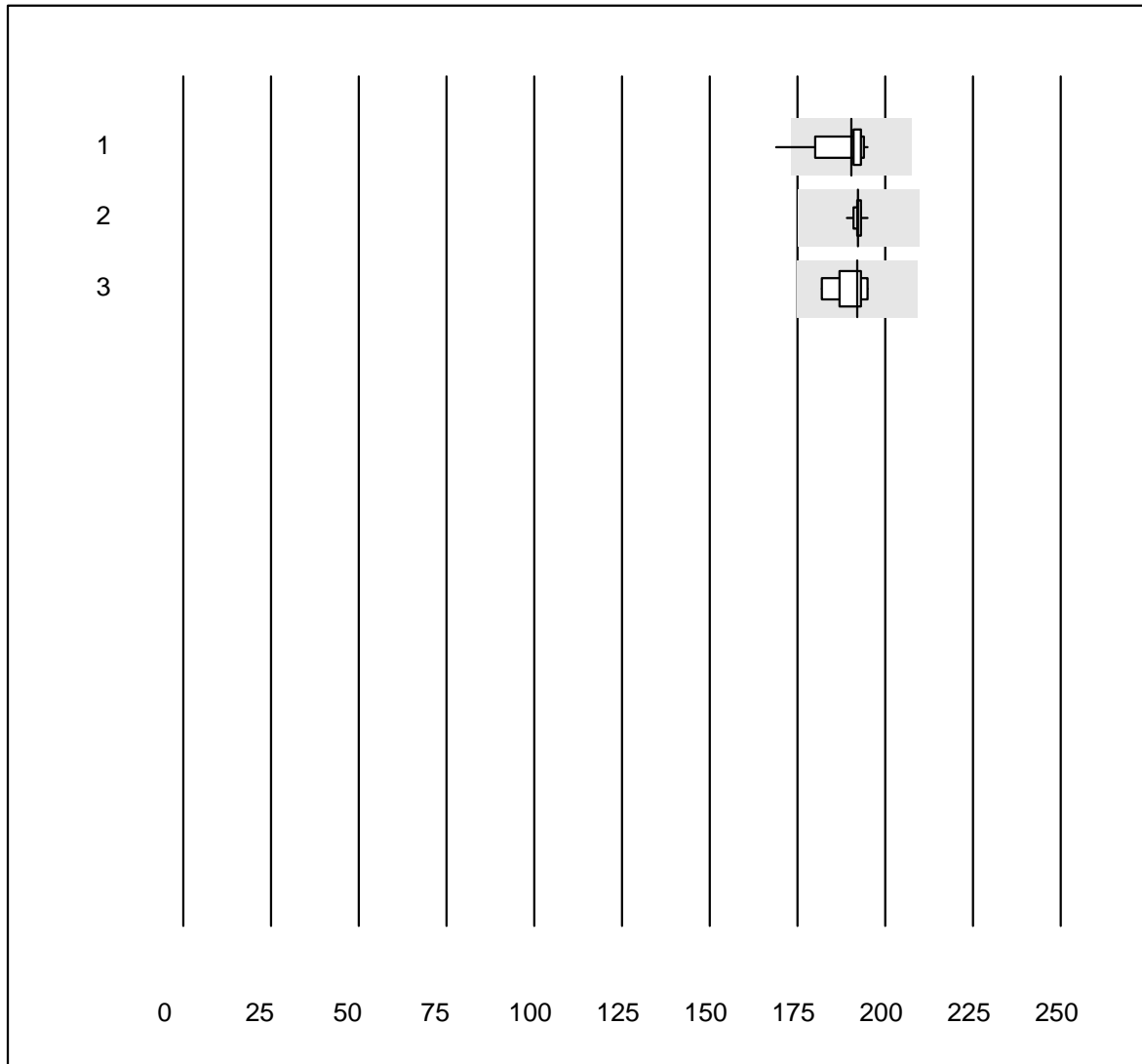
QUALAB tolerance : 9 %

Glucose BG (mmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	GEM	5	100.0	0.0	0.0	14.7	0.9	e
2	Cobas b 123	9	100.0	0.0	0.0	14.8	1.7	e
3	iStat	10	80.0	0.0	20.0	13.6	1.2	e
4	EPOC	42	95.2	2.4	2.4	14.6	3.9	e
5	ABL700/800	97	99.0	1.0	0.0	14.1	2.9	e
6	ABL90 FLEX / PLUS	103	96.2	1.9	1.9	13.7	2.8	e

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

## Hemoglobin BG



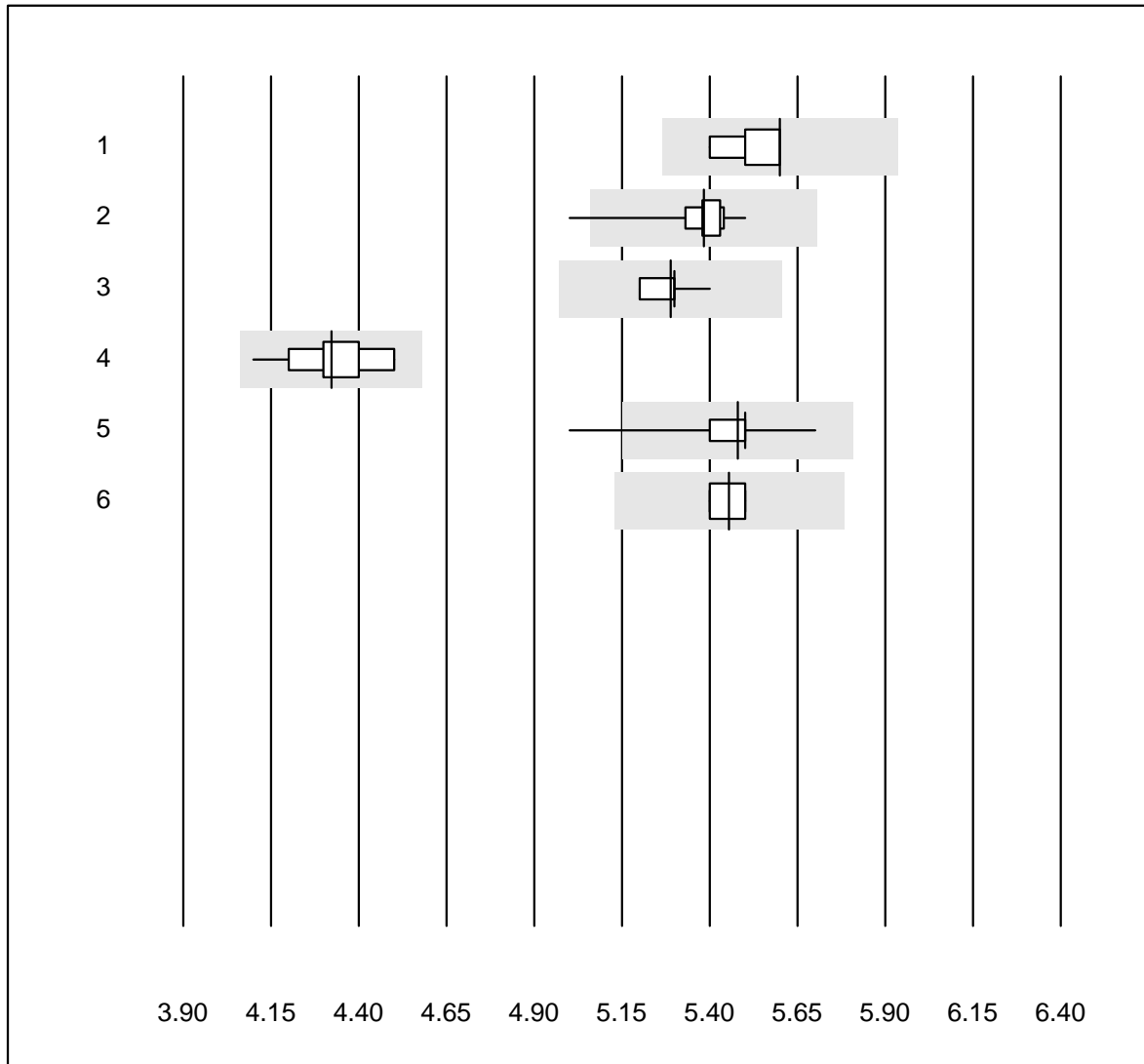
QUALAB tolerance : 9 %

Hemoglobin BG (g/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	ABL700/800	99	91.9	1.0	7.1	190.3	2.9	e
2	ABL90 FLEX / PLUS	102	94.1	0.0	5.9	192.3	0.5	e
3	ABL80 FLEX CO-OX / O	5	100.0	0.0	0.0	192.0	2.8	e*

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

## Potassium BG



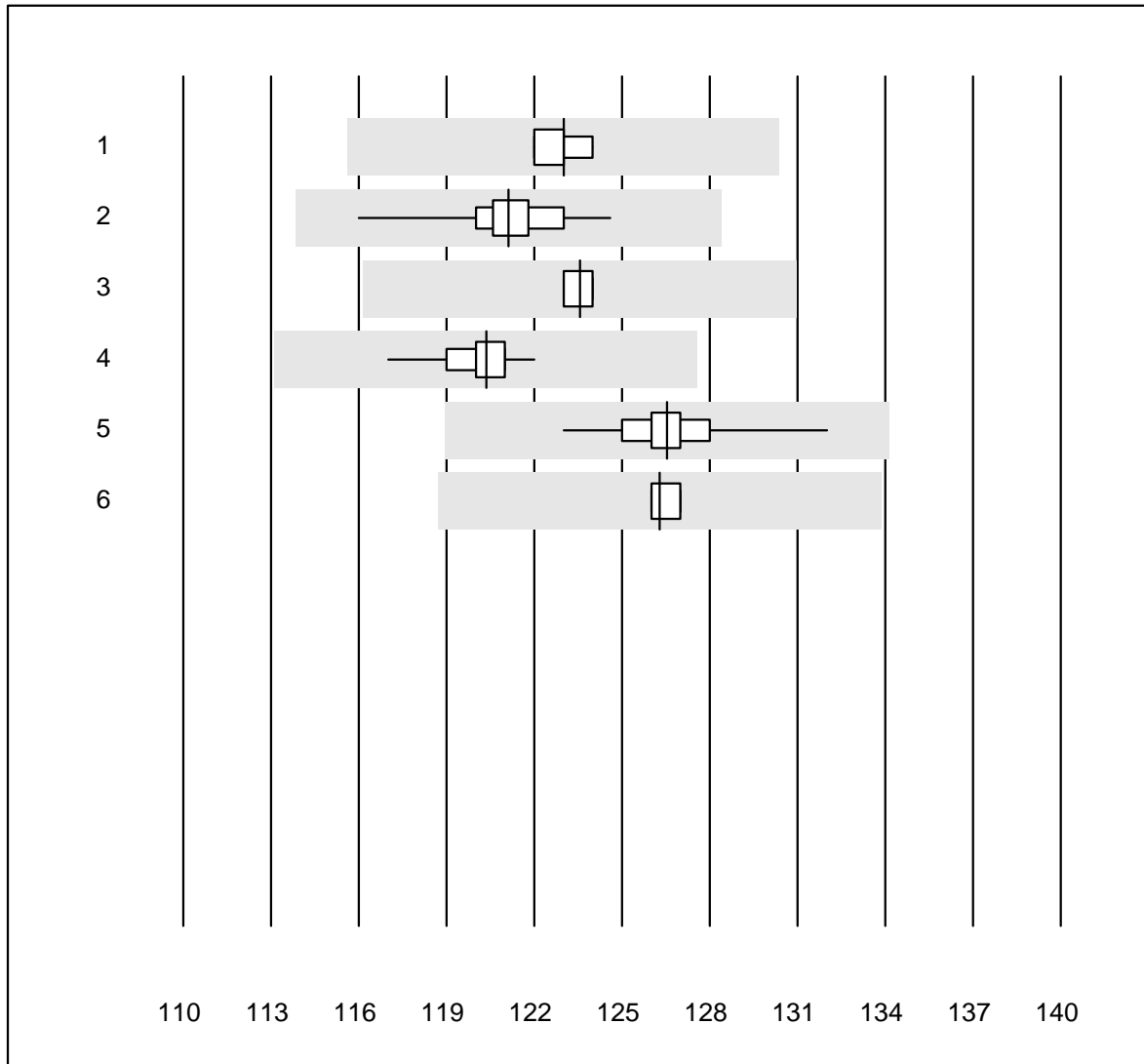
QUALAB tolerance : 6 %

Potassium BG (mmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	GEM	6	100.0	0.0	0.0	5.6	1.5	e
2	Cobas b 123	17	94.1	5.9	0.0	5.4	2.0	e
3	iStat	20	90.0	0.0	10.0	5.3	0.9	e
4	EPOC	46	93.5	0.0	6.5	4.3	2.4	e
5	ABL700/800	98	99.0	1.0	0.0	5.5	1.5	e
6	ABL90 FLEX / PLUS	109	99.1	0.0	0.9	5.5	0.9	e

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

## Sodium BG



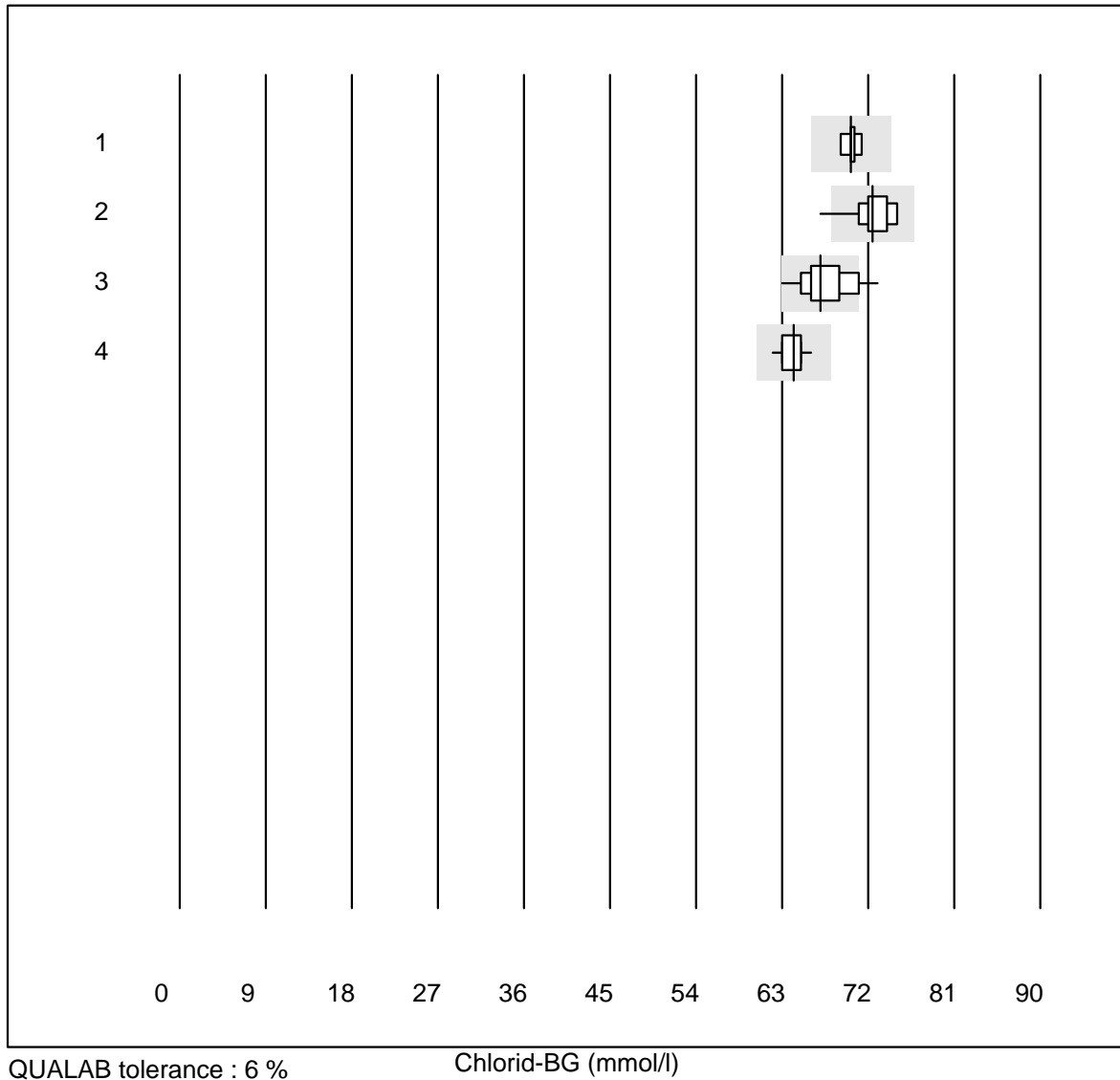
QUALAB tolerance : 6 %

Sodium BG (mmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	GEM	7	100.0	0.0	0.0	123.0	0.6	e
2	Cobas b 123	17	100.0	0.0	0.0	121.1	1.4	e
3	iStat	20	90.0	0.0	10.0	123.6	0.4	e
4	EPOC	44	97.7	0.0	2.3	120.3	0.8	e
5	ABL700/800	97	100.0	0.0	0.0	126.5	0.9	e
6	ABL90 FLEX / PLUS	108	99.1	0.0	0.9	126.3	0.4	e

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

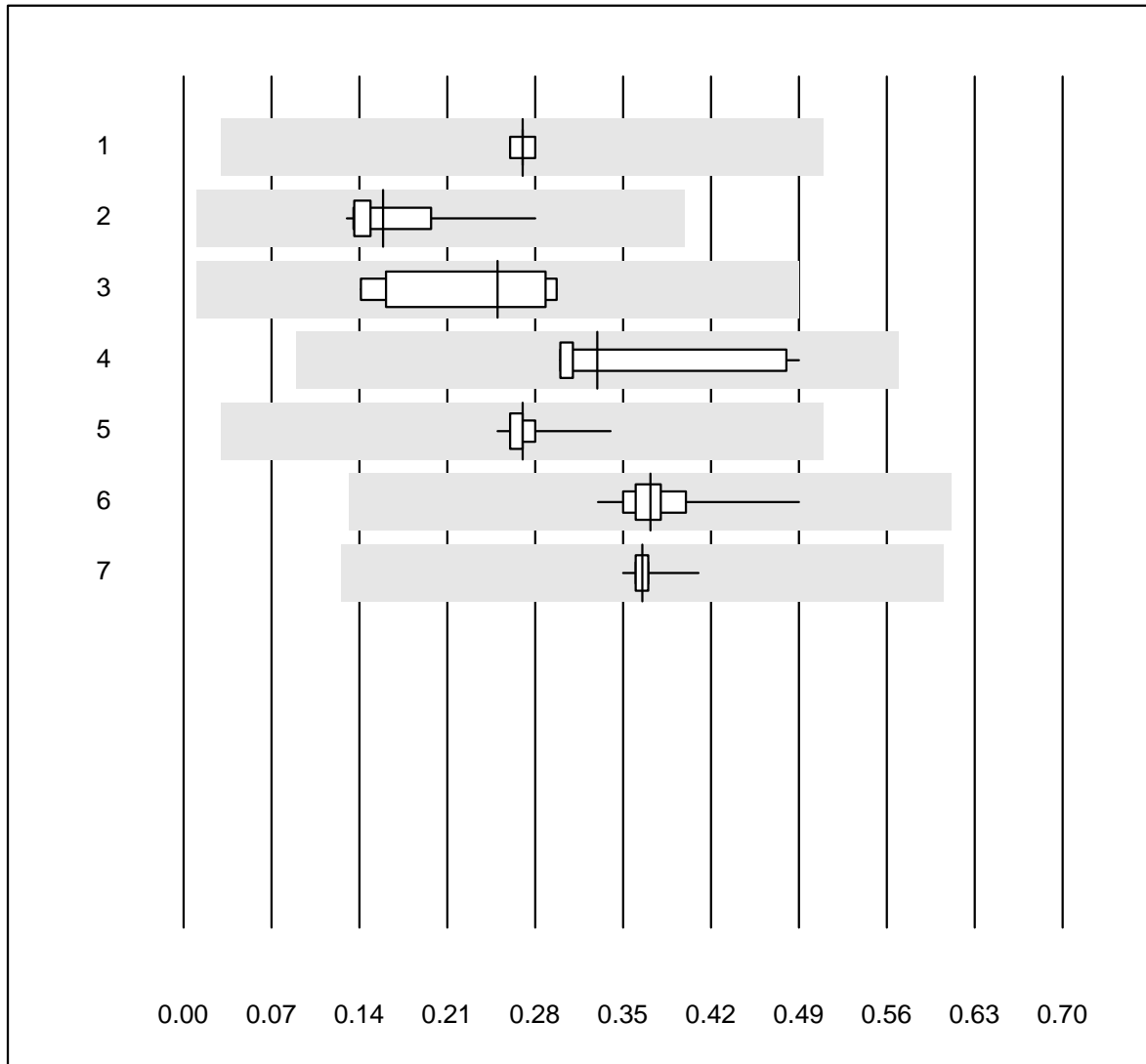
## Chlorid-BG



No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas b 123	9	100.0	0.0	0.0	70.2	0.8	e
2	EPOC	16	87.4	6.3	6.3	72.5	2.7	e
3	ABL700/800	91	92.3	4.4	3.3	67.0	3.2	e
4	ABL90 FLEX / PLUS	104	99.0	0.0	1.0	64.2	1.4	e

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

## Calcium-BG



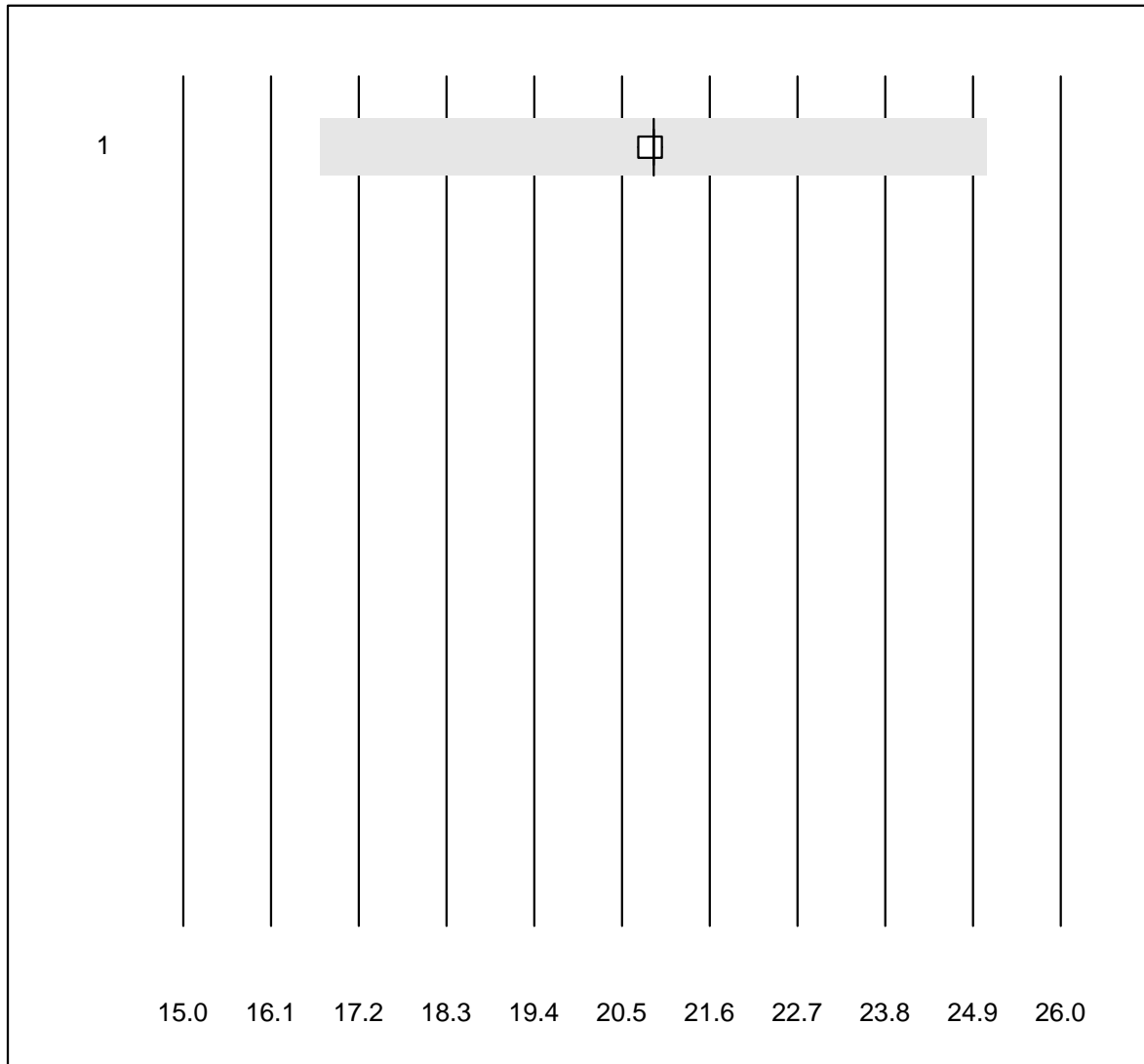
MQ tolerance : 12 %  
( < 2.00: +/- 0.24 mmol/l)

Calcium-BG (mmol/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 GEM	6	100.0	0.0	0.0	0.27	2.3	e
2 Cobas b123	11	100.0	0.0	0.0	0.16	27.7	e*
3 Roche, Cobas	5	100.0	0.0	0.0	0.25	31.8	e*
4 iStat	14	100.0	0.0	0.0	0.33	20.1	e*
5 EPOC	41	97.6	0.0	2.4	0.27	5.5	e
6 ABL700/800	97	100.0	0.0	0.0	0.37	6.5	e
7 ABL90 FLEX / PLUS	106	99.1	0.0	0.9	0.37	2.0	e

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

# FHHb



MQ tolerance : 20 %

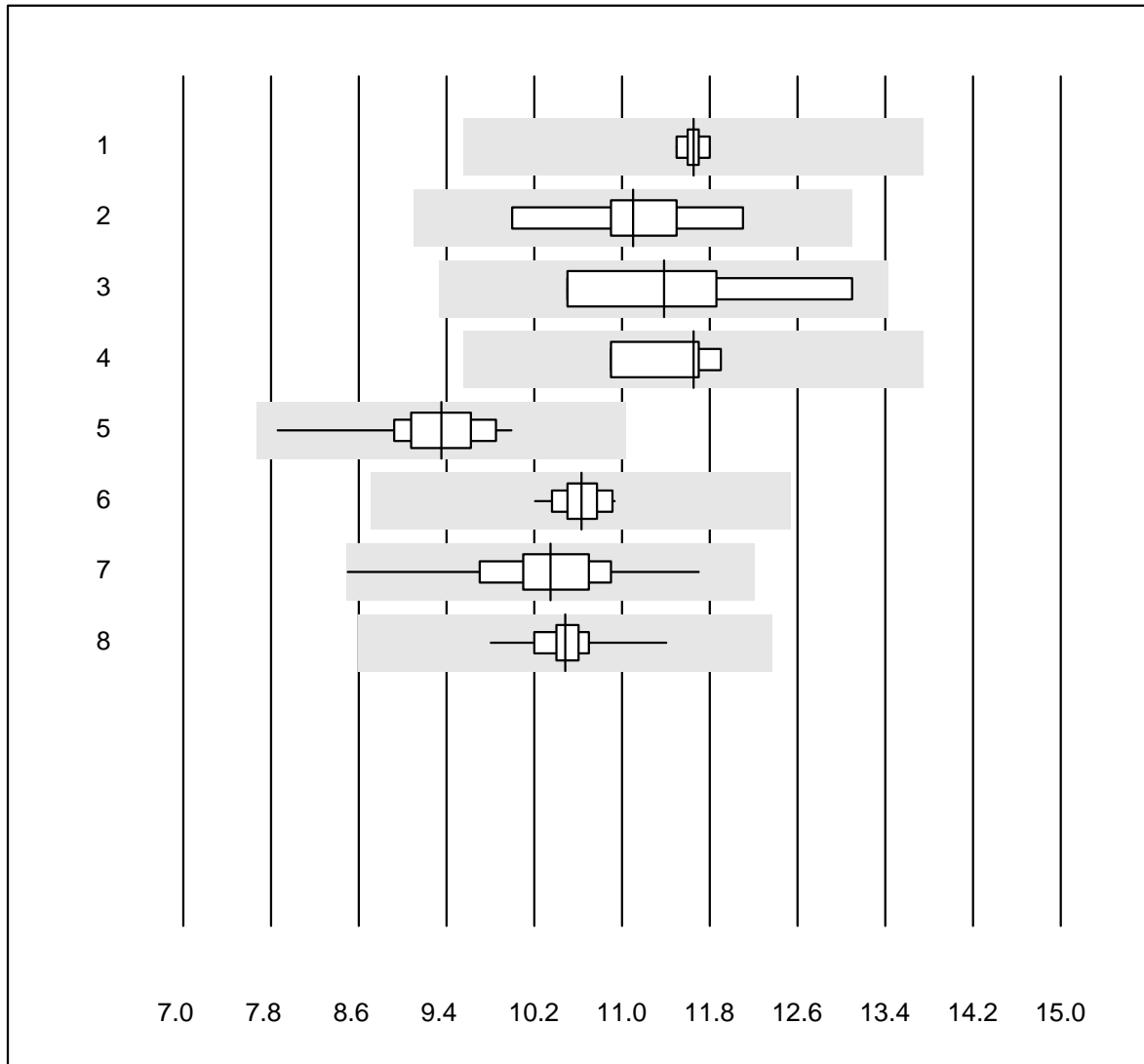
FHHb (%)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	ABL90 FLEX / PLUS	9	100.0	0.0	0.0	20.900	0.4	e

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



## Lactate-BG



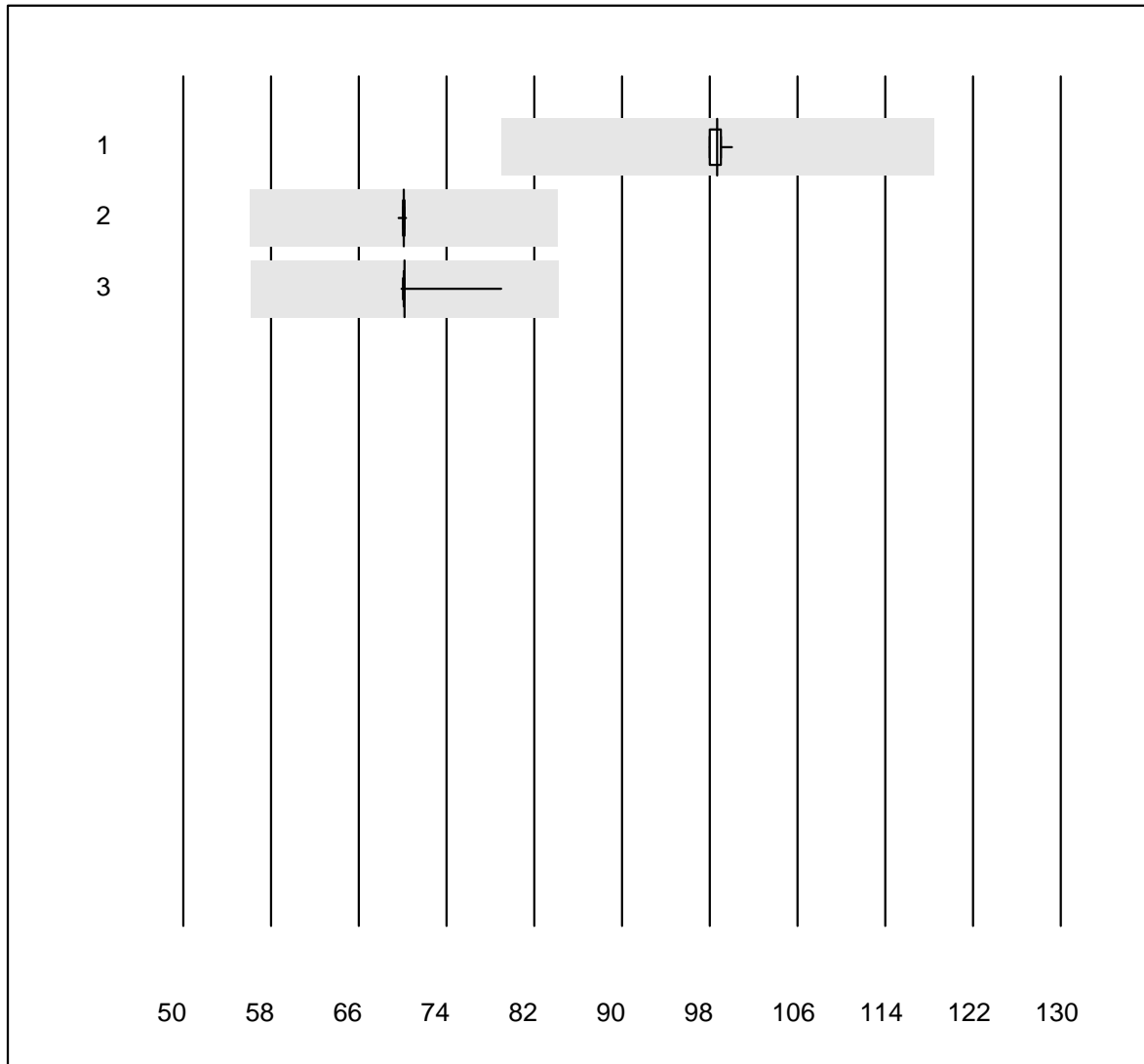
QUALAB tolerance : 18 %

Lactate-BG (mmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	GEM	6	100.0	0.0	0.0	11.65	0.9	e
2	Cobas b123	9	100.0	0.0	0.0	11.10	5.7	e
3	Roche, Cobas	4	100.0	0.0	0.0	11.38	10.0	e*
4	IL	4	100.0	0.0	0.0	11.65	3.8	e
5	EPOC	39	97.4	0.0	2.6	9.36	4.4	e
6	iStat	18	100.0	0.0	0.0	10.63	1.8	e
7	ABL700/800	101	100.0	0.0	0.0	10.35	5.1	e
8	ABL90 FLEX / PLUS	111	99.1	0.0	0.9	10.49	2.1	e

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

## sO2 OR



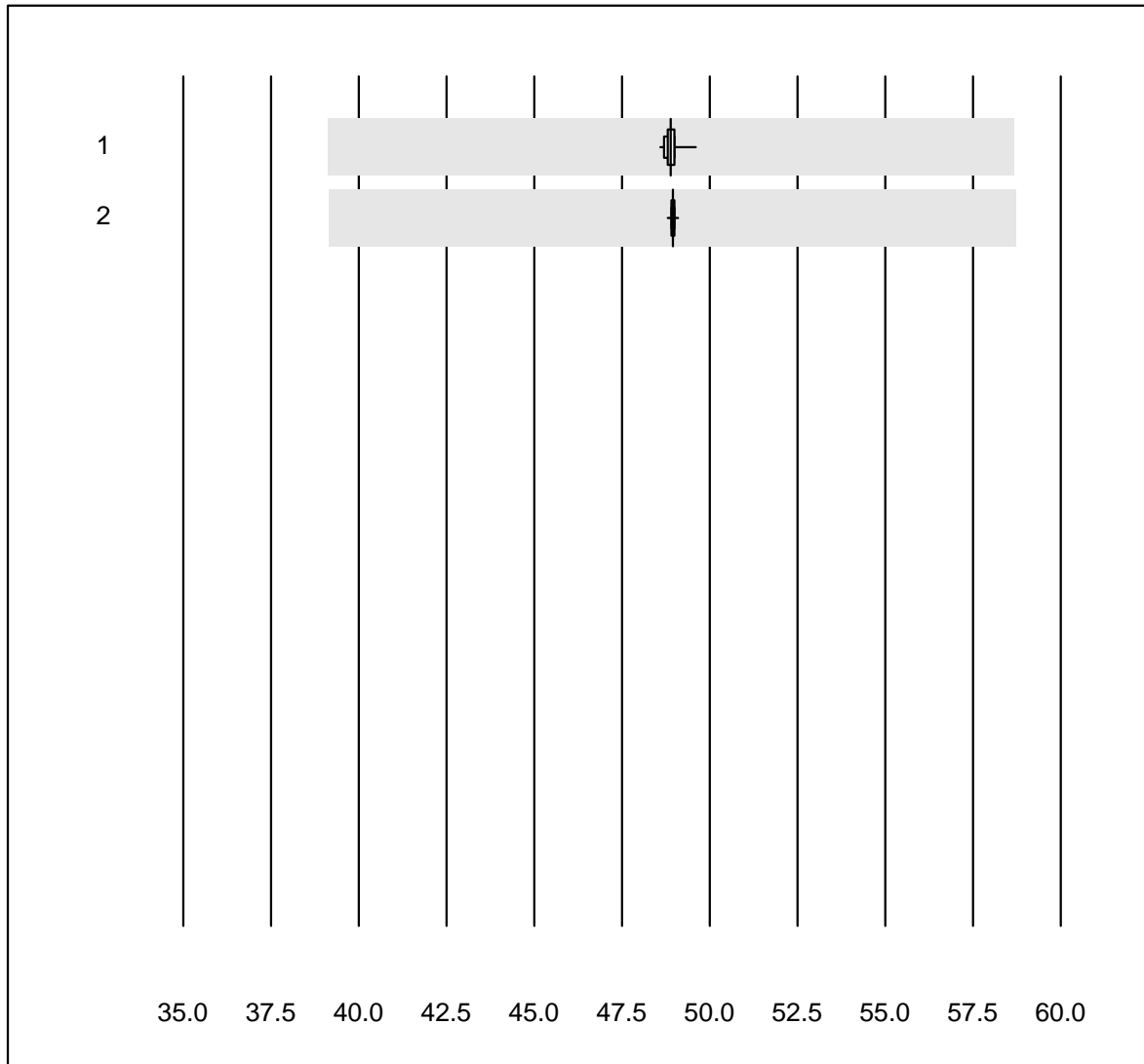
MQ tolerance : 20 %

sO2 OR (%)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 iStat	23	100.0	0.0	0.0	98.696	0.6	e
2 ABL700/800	88	100.0	0.0	0.0	70.093	0.1	e
3 ABL90 FLEX / PLUS	94	100.0	0.0	0.0	70.199	1.3	e

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

## FO2Hb OR



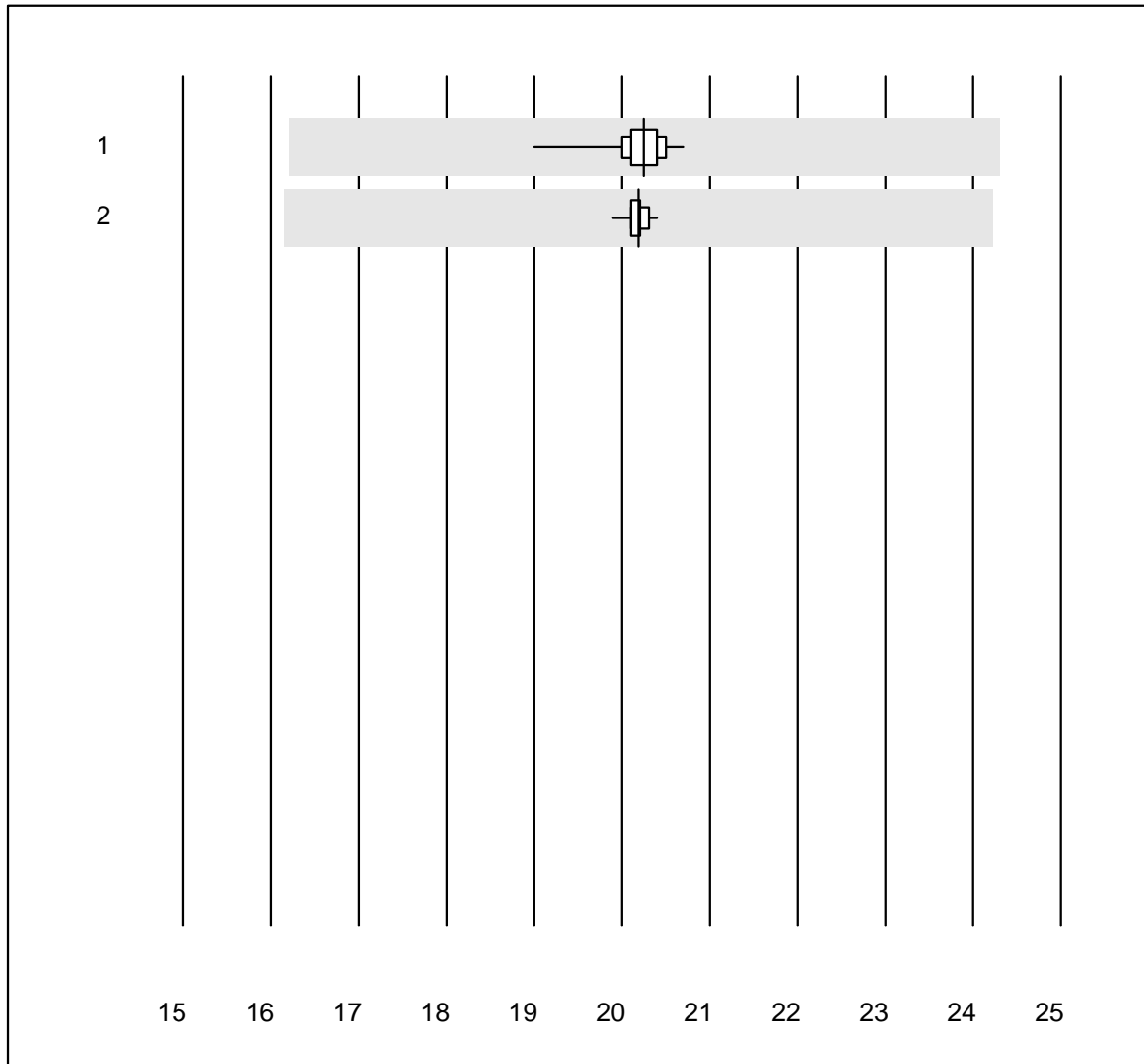
MQ tolerance : 20 %

FO2Hb OR (%)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	ABL700/800	86	98.8	0.0	1.2	48.894	0.3	e
2	ABL90 FLEX / PLUS	94	100.0	0.0	0.0	48.945	0.1	e

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

## FCOHb OR



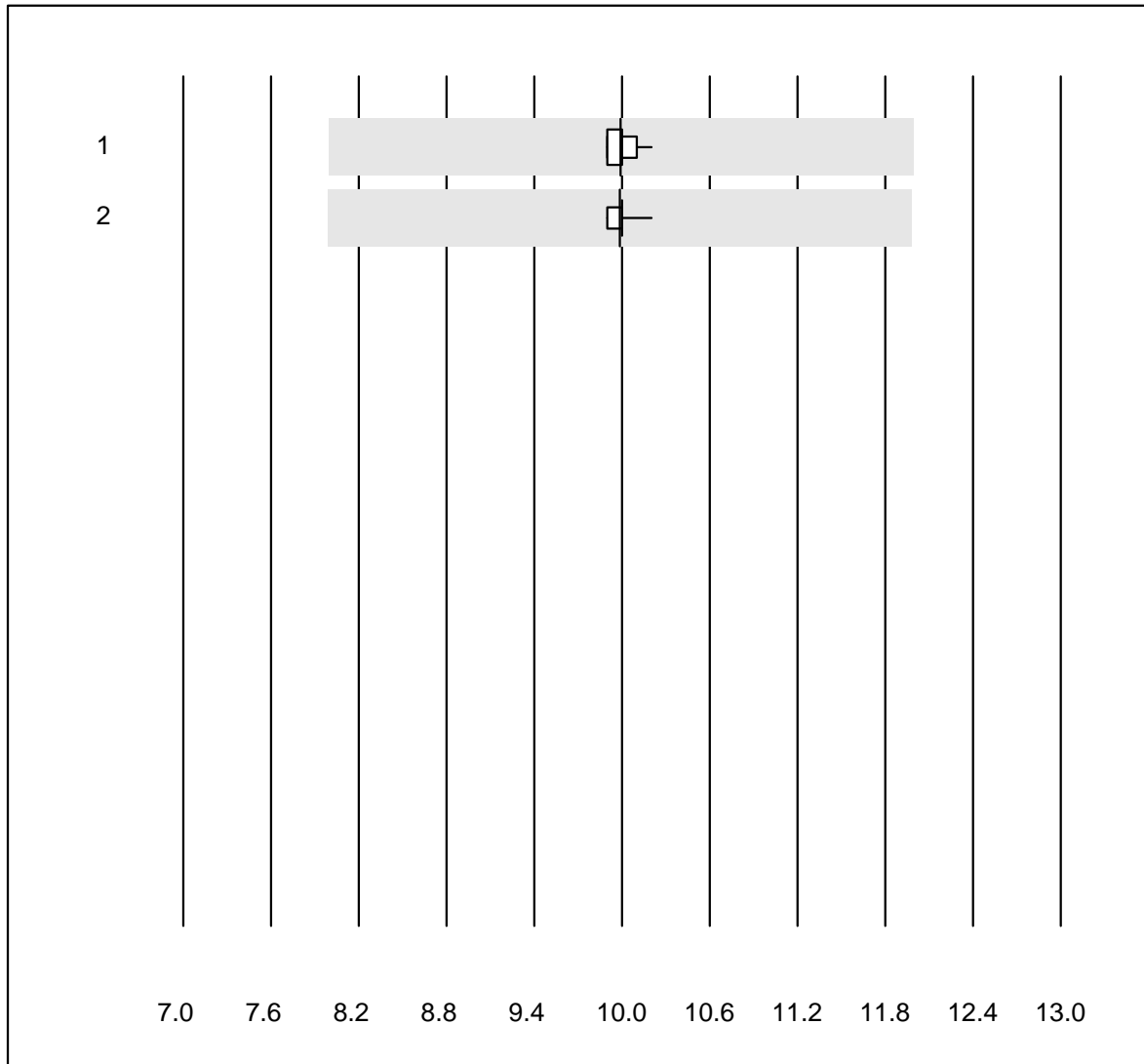
MQ tolerance : 20 %

FCOHb OR (%)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	ABL700/800	87	100.0	0.0	0.0	20.247	1.2	e
2	ABL90 FLEX / PLUS	94	100.0	0.0	0.0	20.183	0.5	e

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

## FMetHb OR



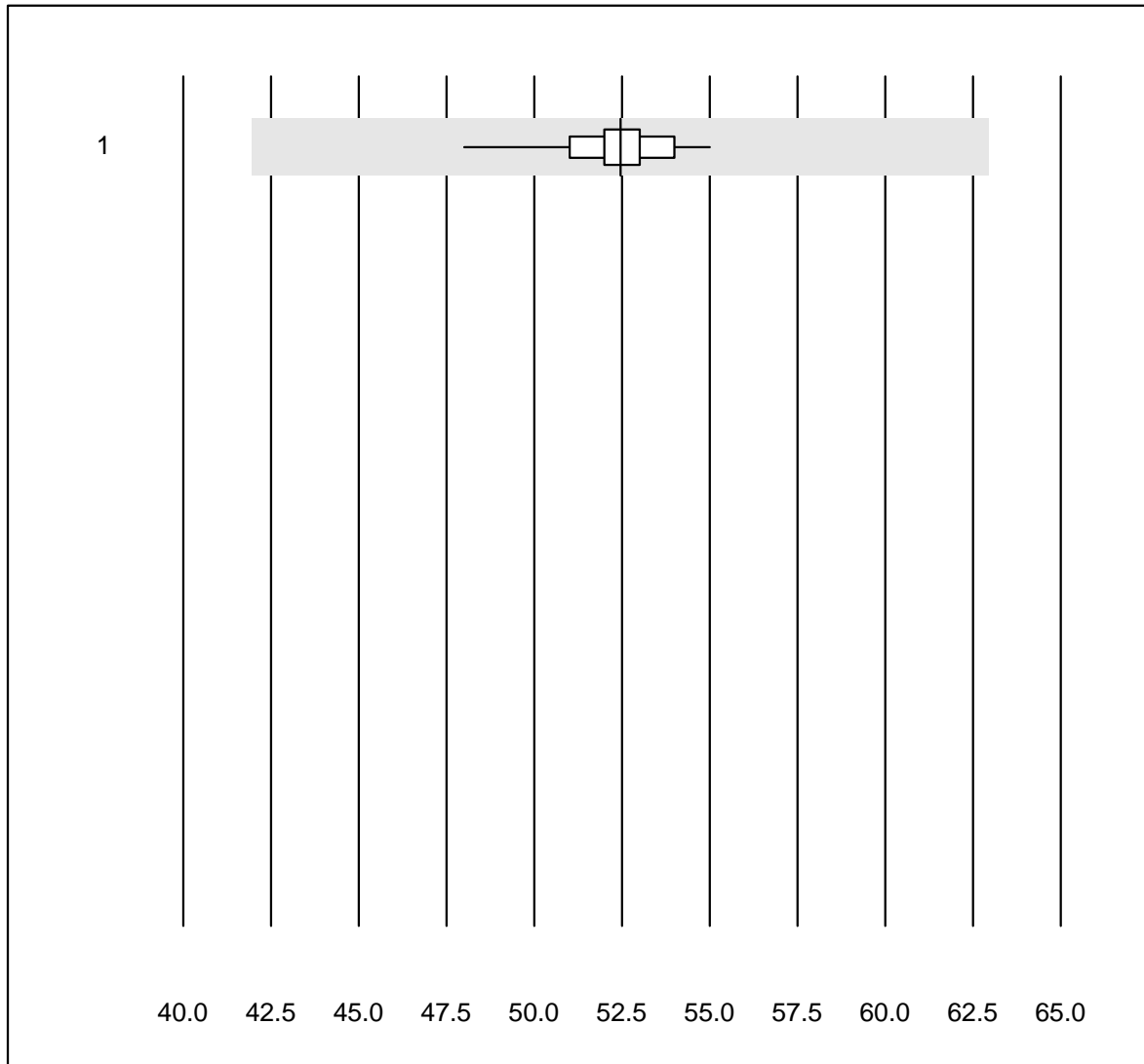
MQ tolerance : 20 %

FMetHb OR (%)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	ABL700/800	87	100.0	0.0	0.0	9.992	0.8	e
2	ABL90 FLEX / PLUS	94	98.9	0.0	1.1	9.985	0.5	e

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

# FHbF OR



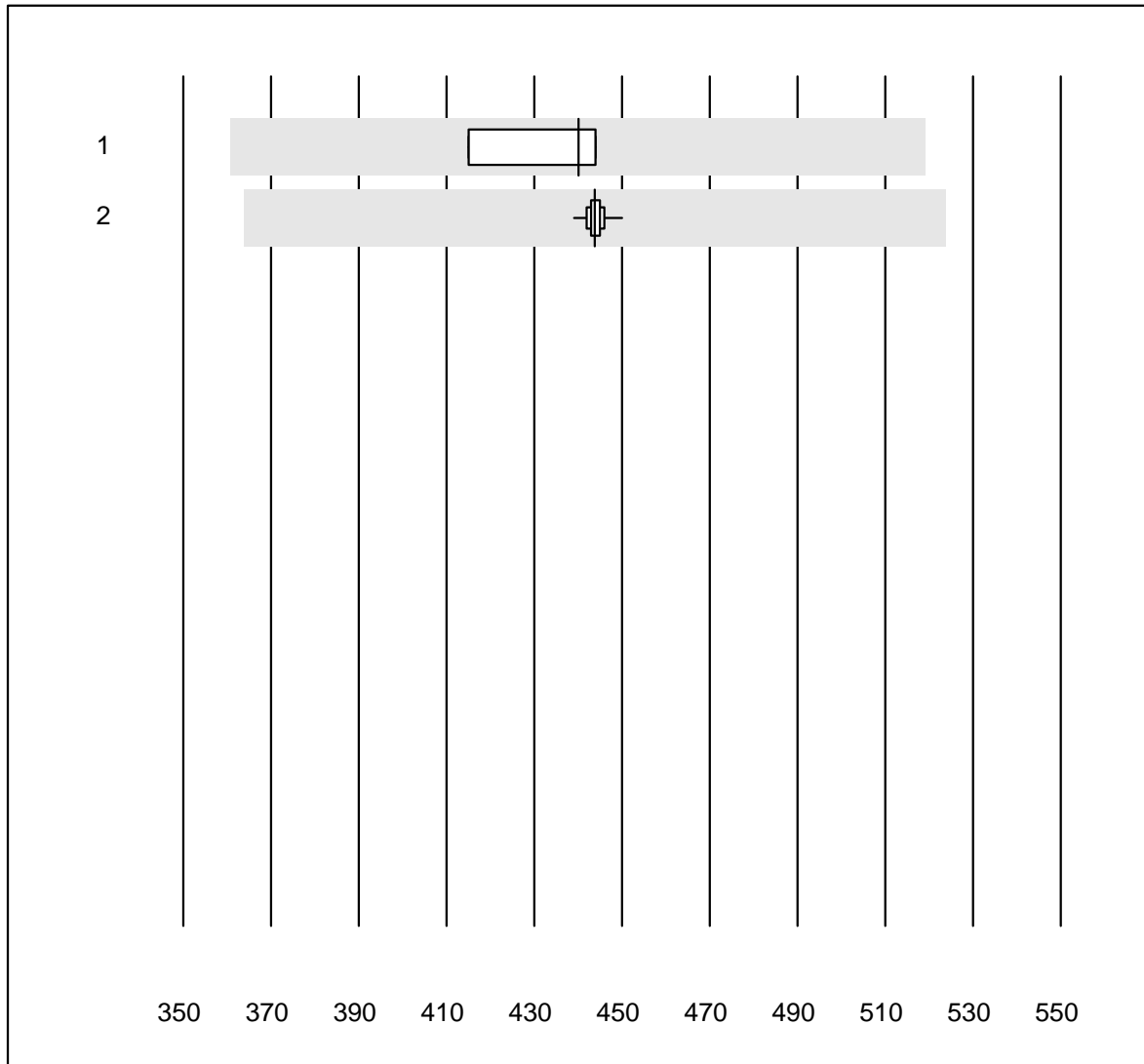
MQ tolerance : 20 %

FHbF OR (%)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	ABL90 FLEX / PLUS	34	97.1	0.0	2.9	52.455	2.7	e

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

## Bilirubin OR

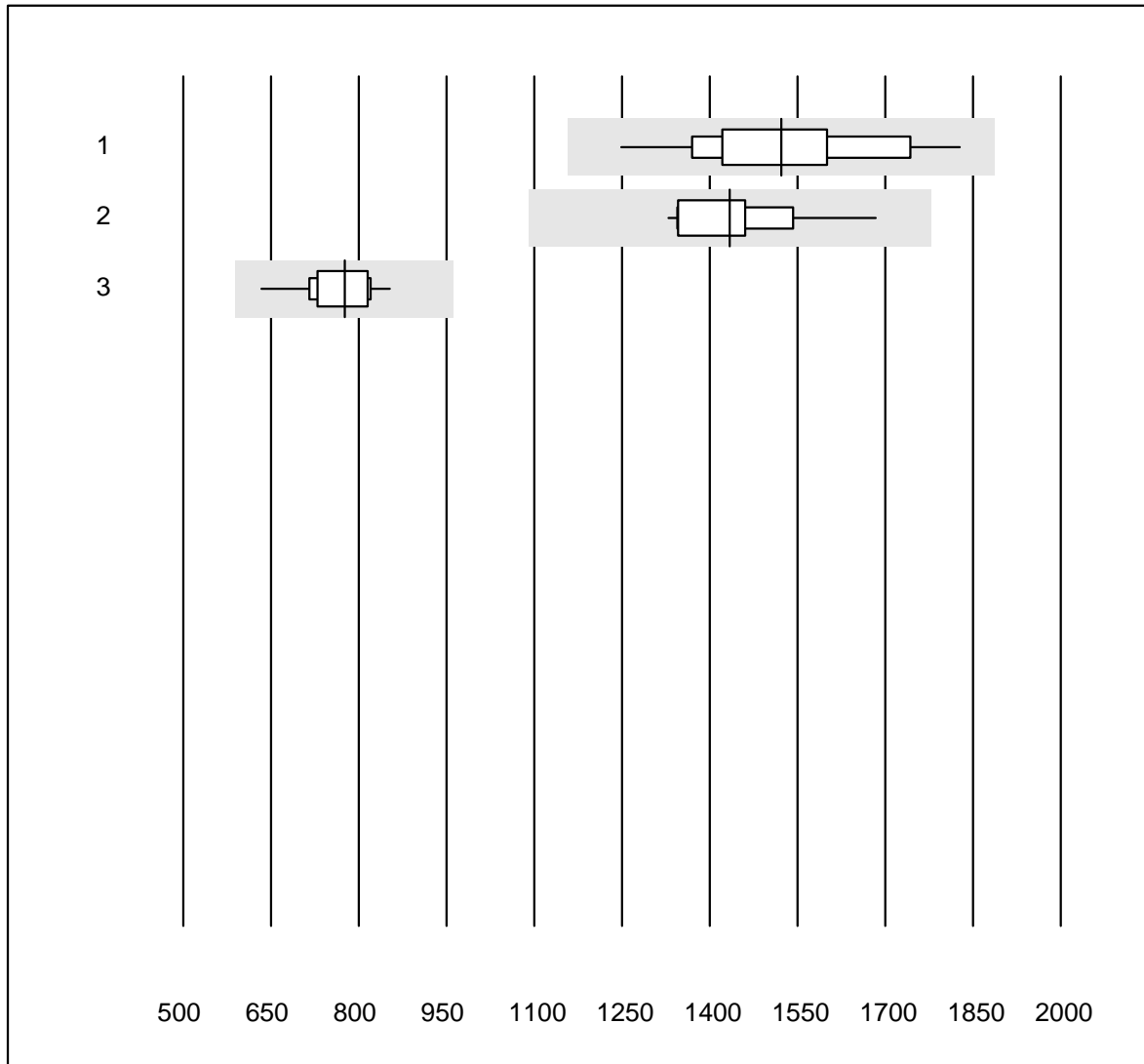


QUALAB tolerance : 18 %

Bilirubin OR (µmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	ABL700/800	5	80.0	0.0	20.0	440.0	3.2	e
2	ABL90 FLEX / PLUS	33	100.0	0.0	0.0	443.8	0.5	e

# Troponin I



QUALAB tolerance : 24 %

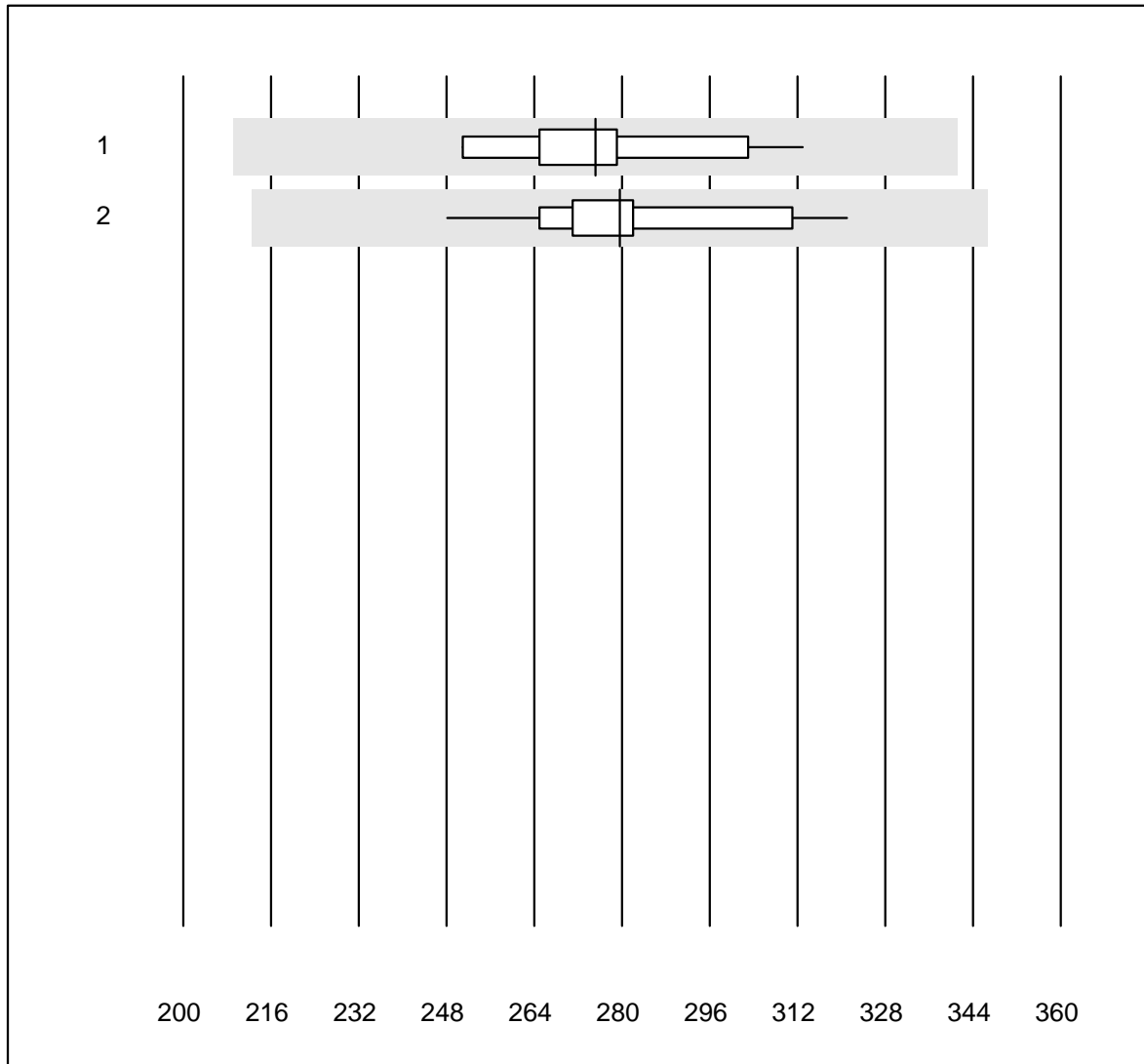
Troponin I (ng/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Pathfast	25	96.0	0.0	4.0	1521.9	9.7	e
2	Vidas	12	100.0	0.0	0.0	1433.9	7.1	e
3	Architect High Sensi	11	100.0	0.0	0.0	775.5	8.0	e

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



## Troponin T



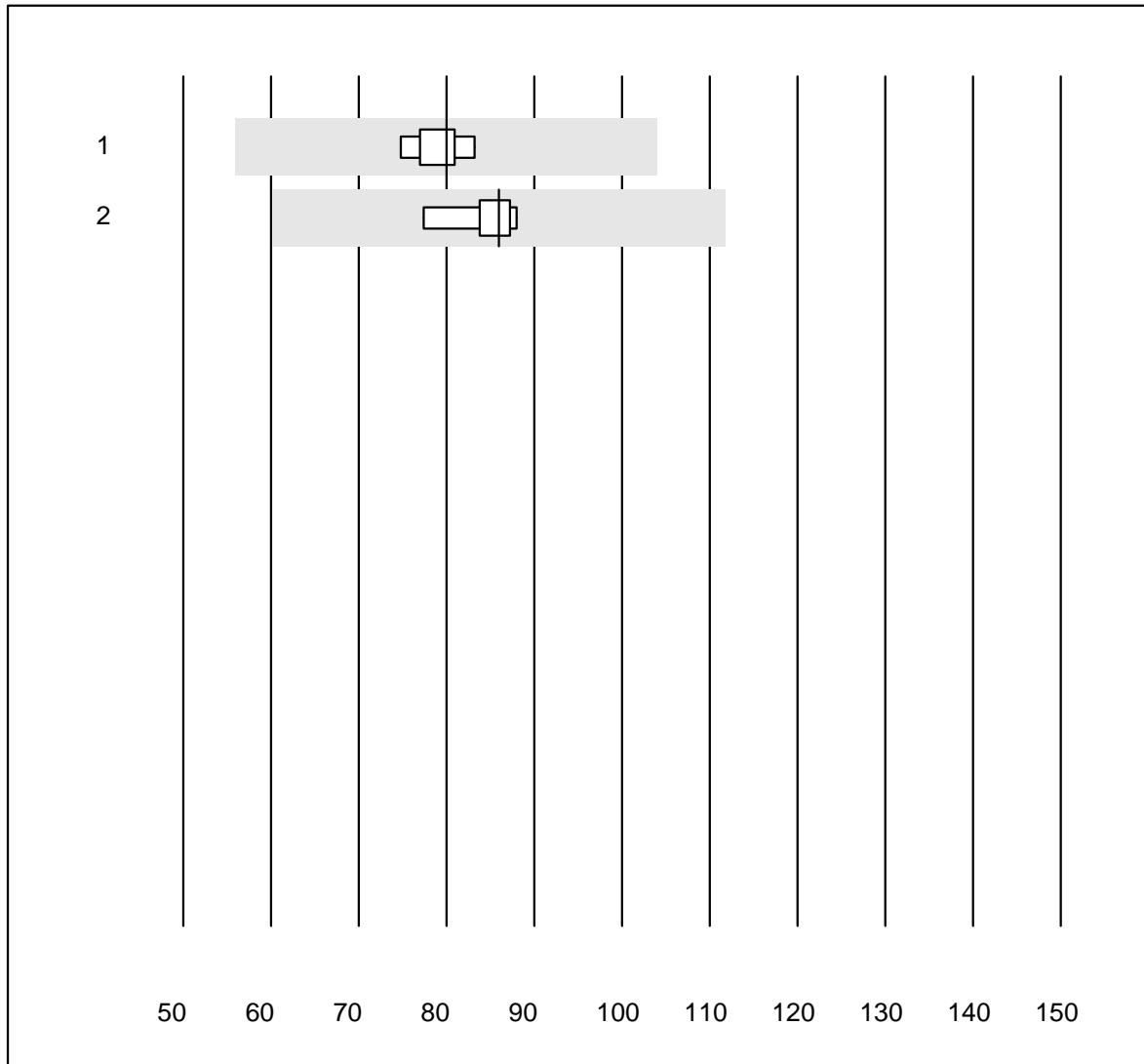
QUALAB tolerance : 24 %

Troponin T (ng/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas hs	14	92.9	0.0	7.1	275.16	7.2	e
2	Cobas hs STAT	13	100.0	0.0	0.0	279.55	6.7	e

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

# Myoglobin



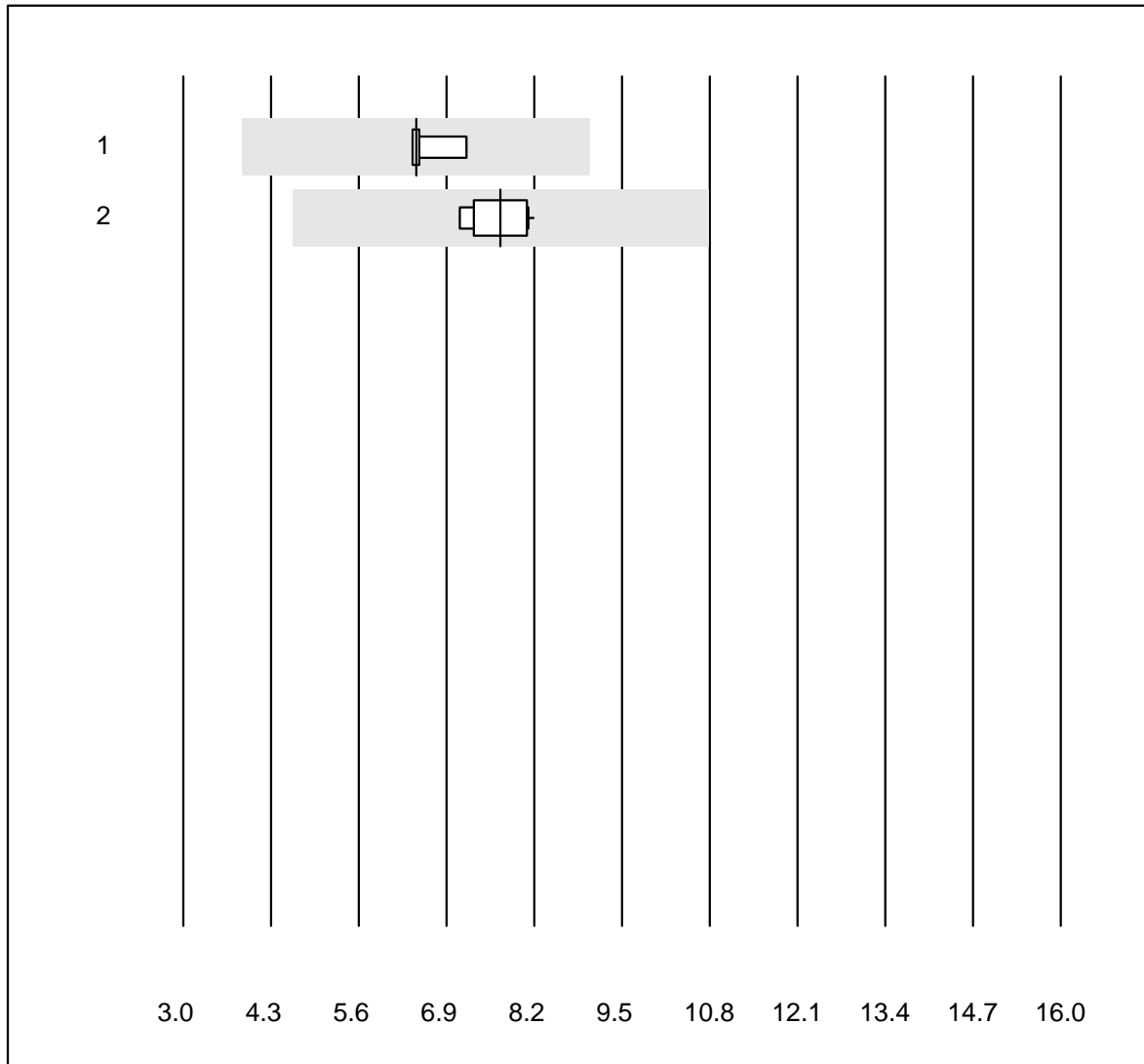
QUALAB tolerance : 30 %

Myoglobin (µg/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas E / Elecsys	7	100.0	0.0	0.0	80.0	3.5	e
2	Abbott	5	100.0	0.0	0.0	86.0	5.0	e

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

### CK-MB mass



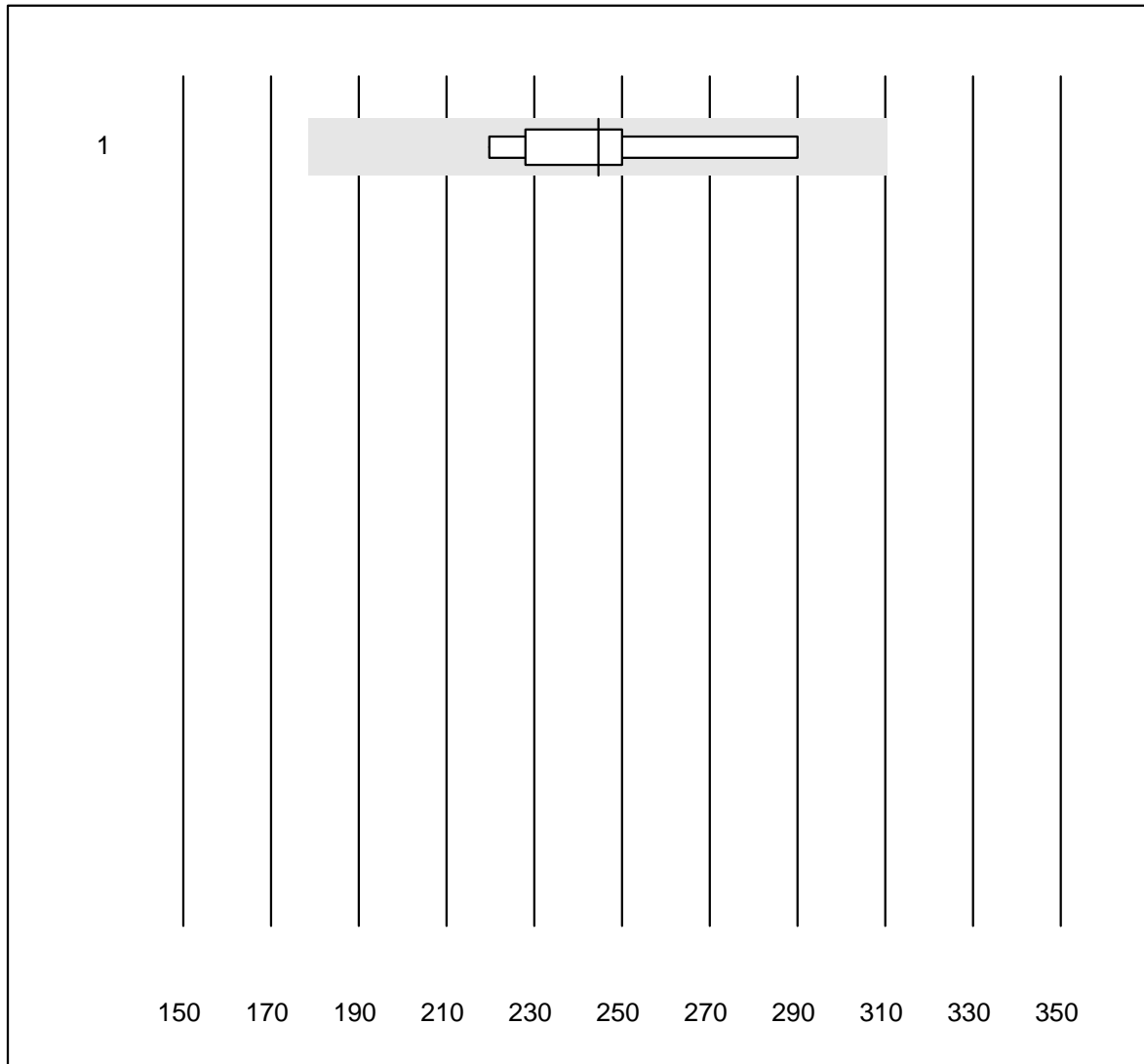
MQ tolerance : 40 %

CK-MB mass (µg/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	4	100.0	0.0	0.0	6.5	5.8	e
2	Cobas E / Elecsys	10	100.0	0.0	0.0	7.7	5.2	e

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

# BNP



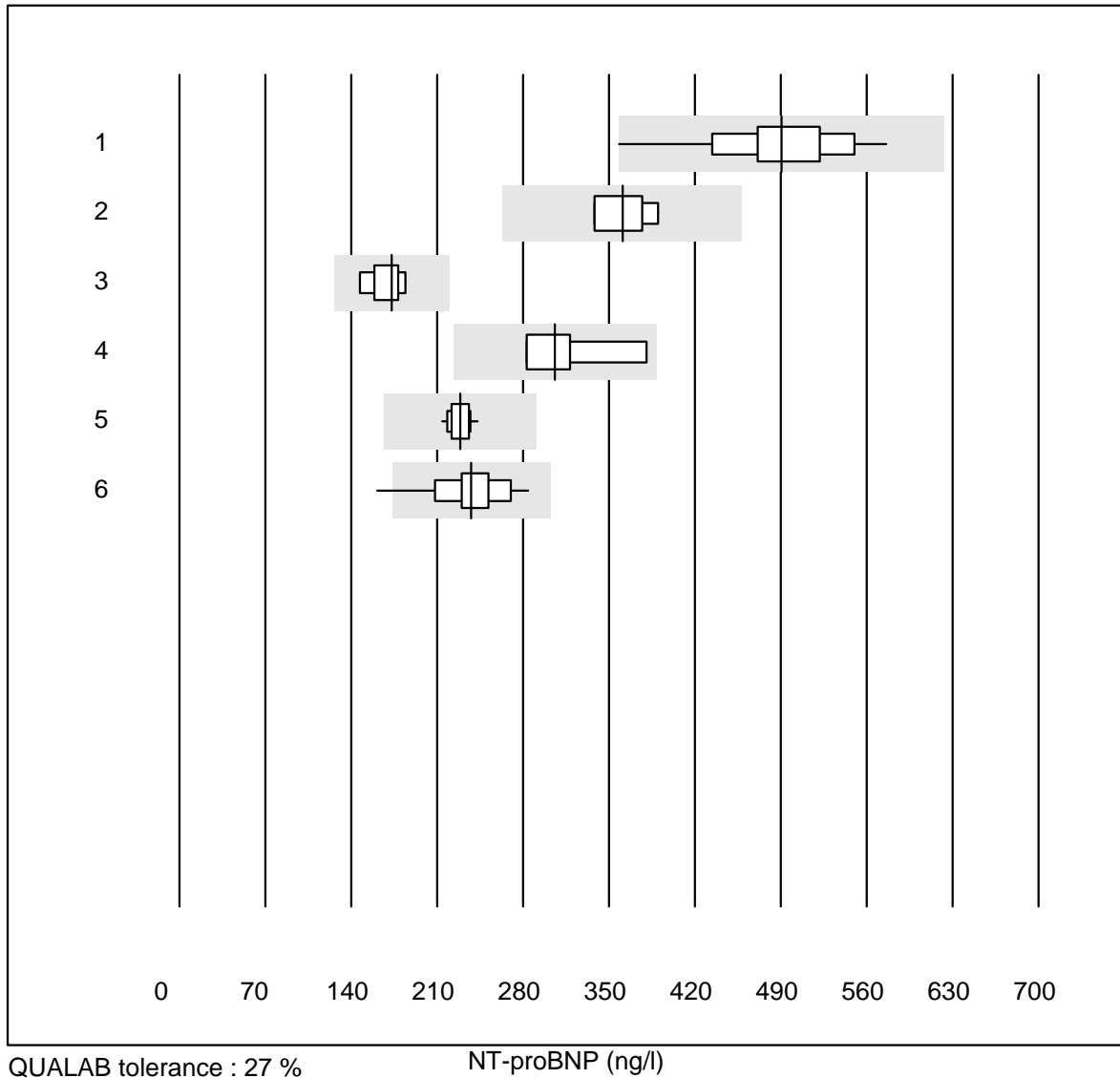
QUALAB tolerance : 27 %

BNP (ng/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Other methods	6	100.0	0.0	0.0	244.5	10.6	a

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

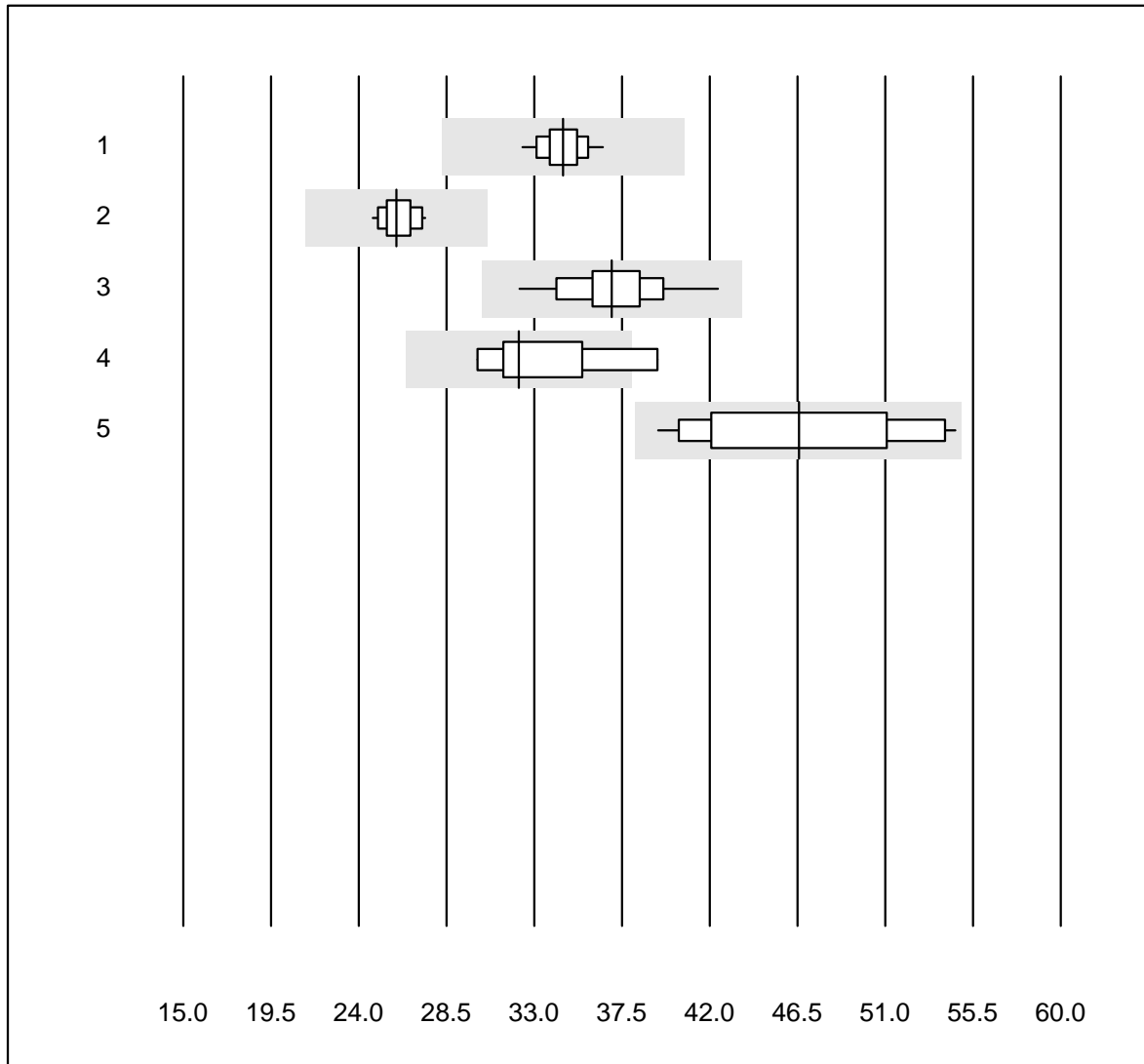
## NT-proBNP



No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Pathfast	21	95.2	4.8	0.0	490.9	10.6	e
2	AQT 90 FLEX	4	100.0	0.0	0.0	361.0	6.9	e*
3	VIDAS	9	100.0	0.0	0.0	173.0	8.5	e
4	Other methods	4	100.0	0.0	0.0	306.0	13.7	e*
5	Cobas E / Elecsys	22	100.0	0.0	0.0	229.1	3.4	e
6	Abbott	11	90.9	9.1	0.0	237.9	13.6	e*

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

# TSH



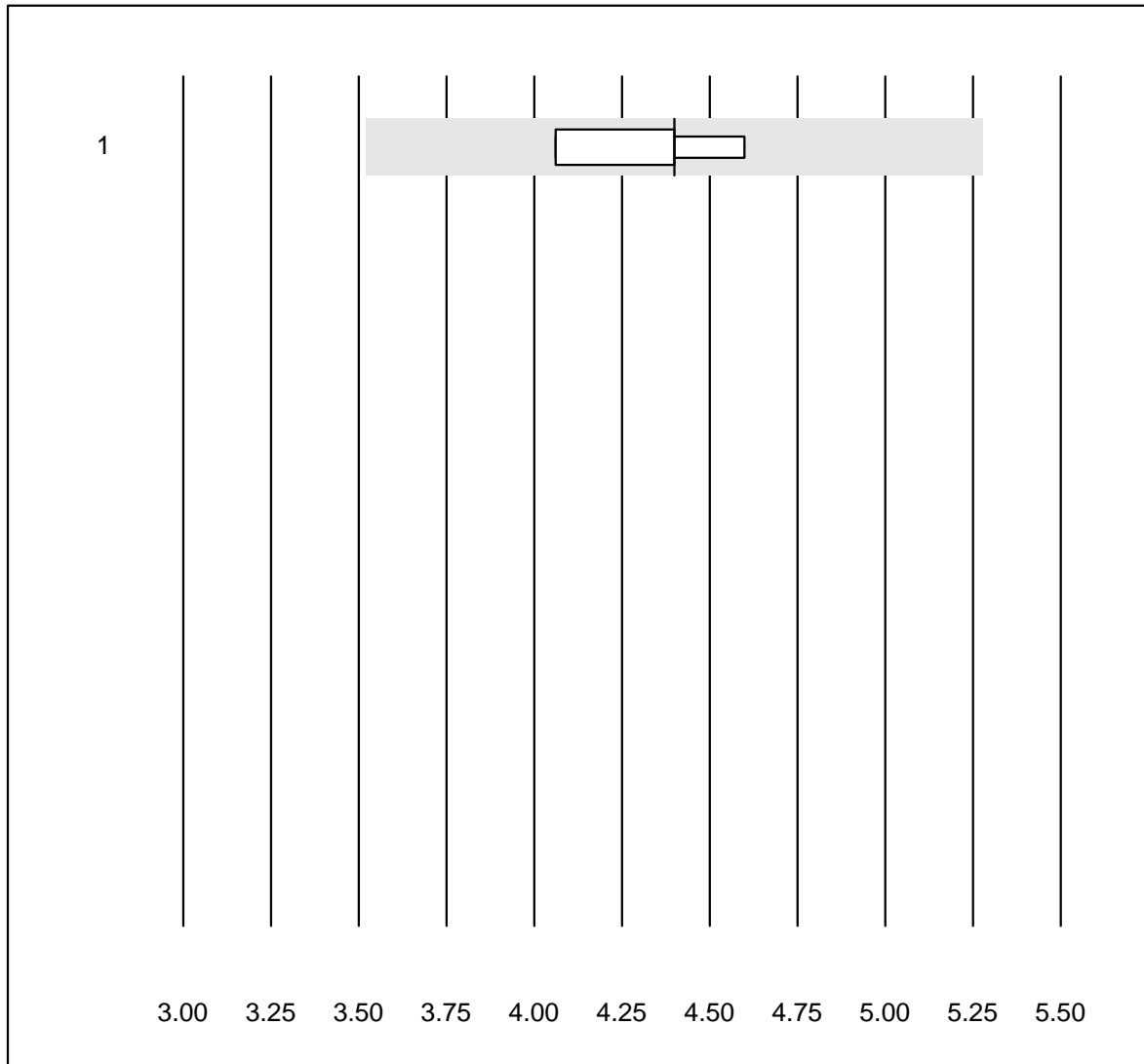
QUALAB tolerance : 18 %

TSH (mU/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas E / Elecsys	29	100.0	0.0	0.0	34.49	2.9	e
2	Abbott	13	100.0	0.0	0.0	25.93	3.4	e
3	VIDAS	14	100.0	0.0	0.0	36.96	6.8	e
4	Dimension	6	66.6	16.7	16.7	32.20	10.8	e*
5	AFIAS	16	93.7	0.0	6.3	46.56	11.1	e*

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

# T3



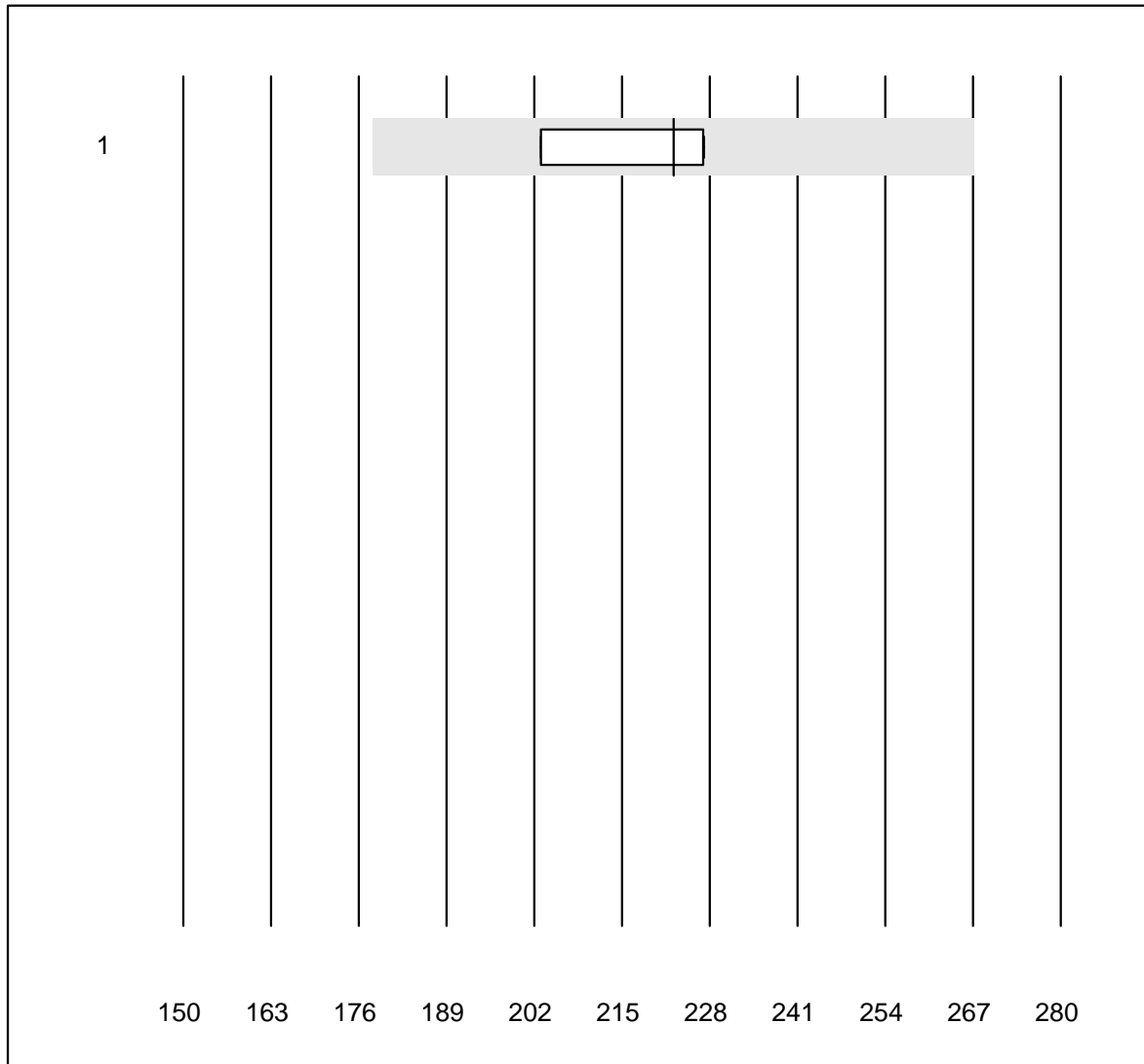
MQ tolerance : 20 %

T3 (nmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	4	100.0	0.0	0.0	4.4	5.1	e*

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

# T4



MQ tolerance : 20 %

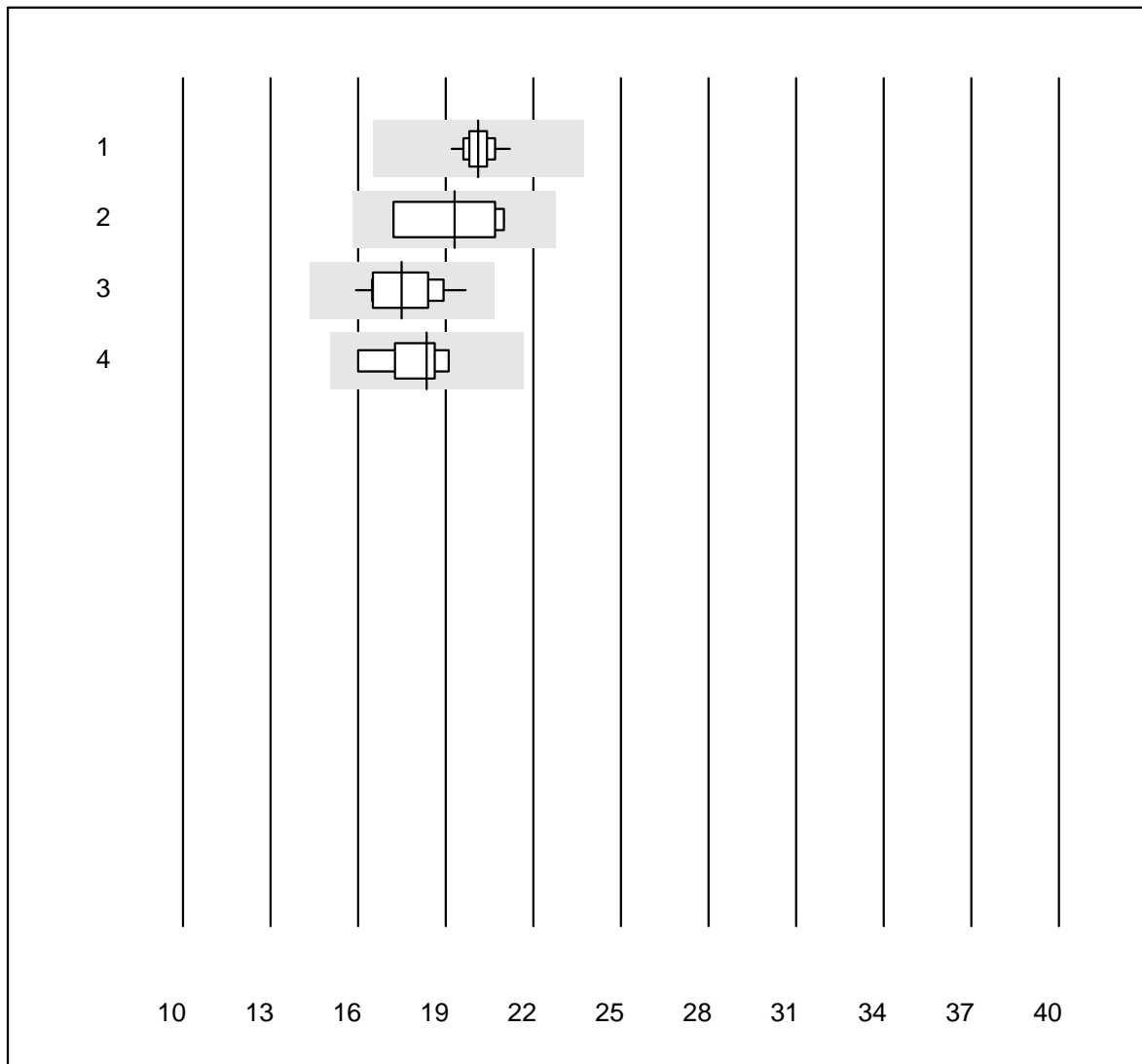
T4 (nmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	4	100.0	0.0	0.0	223	5.2	e*

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



# FT3



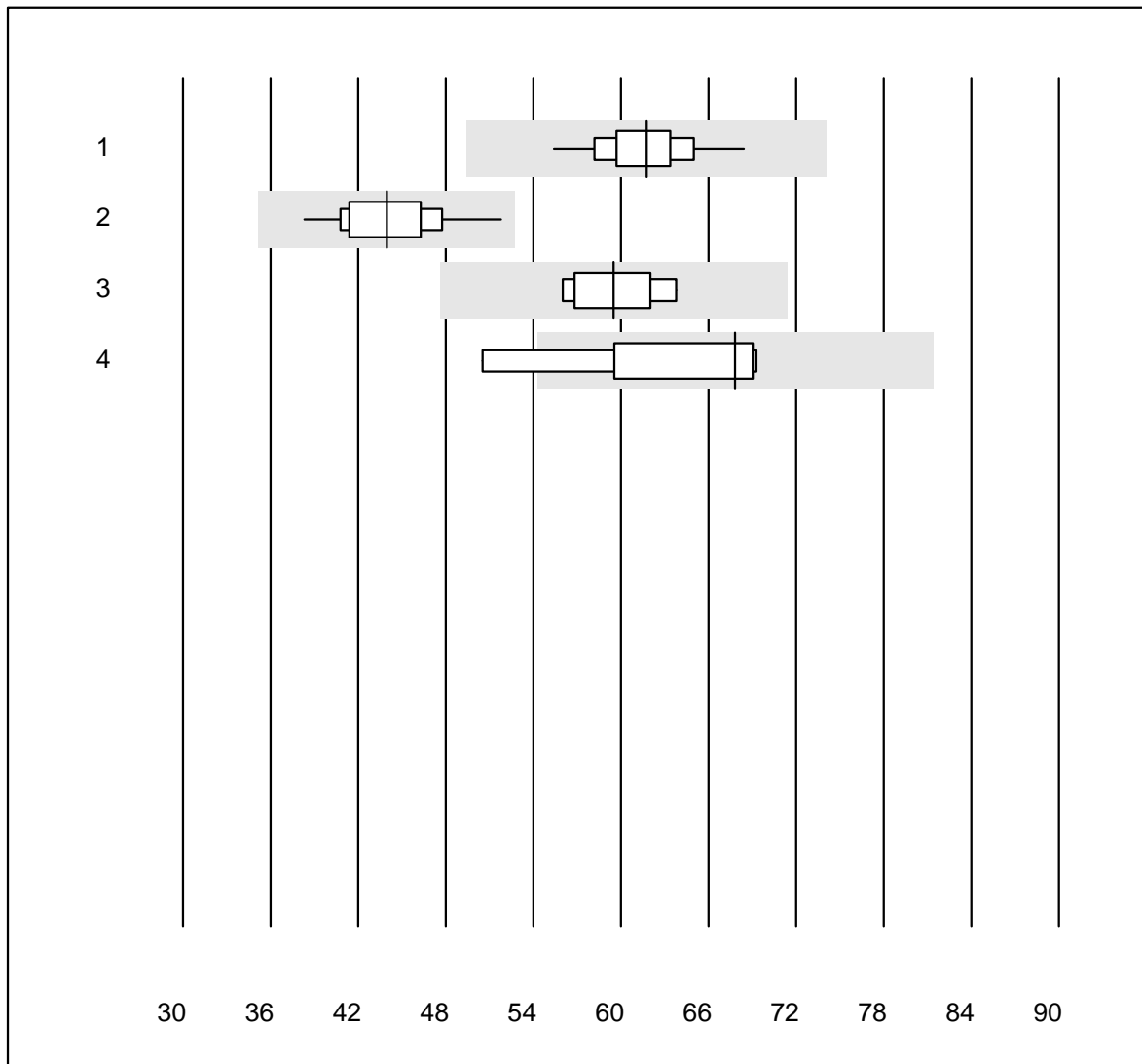
QUALAB tolerance : 18 %

FT3 (pmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas E / Elecsys	25	100.0	0.0	0.0	20.1	2.3	e
2	ADVIA Centaur XP/CP	4	100.0	0.0	0.0	19.3	10.1	e*
3	Abbott	11	100.0	0.0	0.0	17.5	6.8	e
4	VIDAS	7	100.0	0.0	0.0	18.4	5.8	e*

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

# FT4



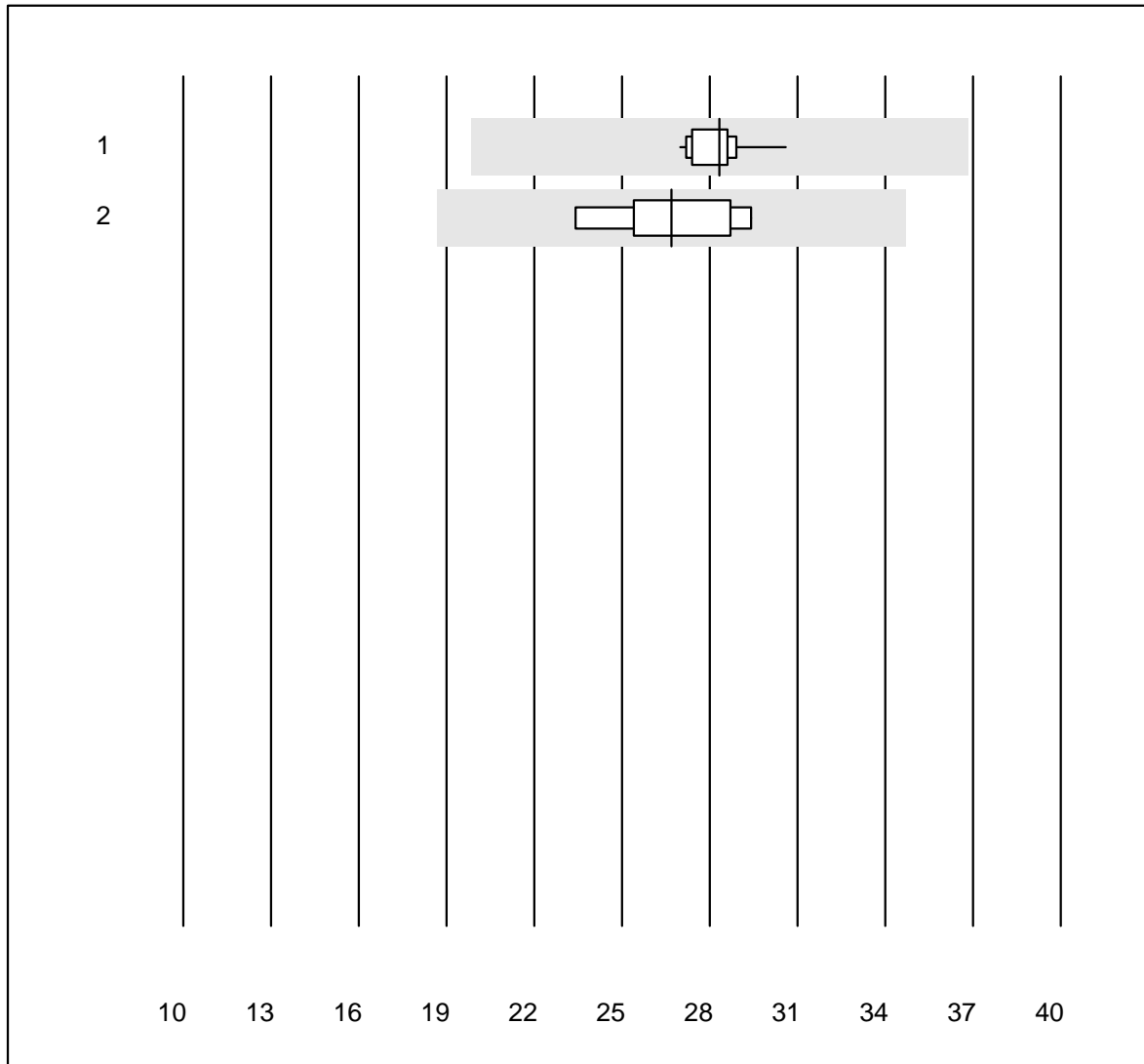
QUALAB tolerance : 20 %

FT4 (pmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas E / Elecsys	26	100.0	0.0	0.0	61.7	4.6	e
2	Abbott	12	100.0	0.0	0.0	44.0	8.3	e
3	VIDAS	8	100.0	0.0	0.0	59.5	4.9	e
4	Other methods	7	85.7	14.3	0.0	67.8	10.8	e*

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

# Testosterone



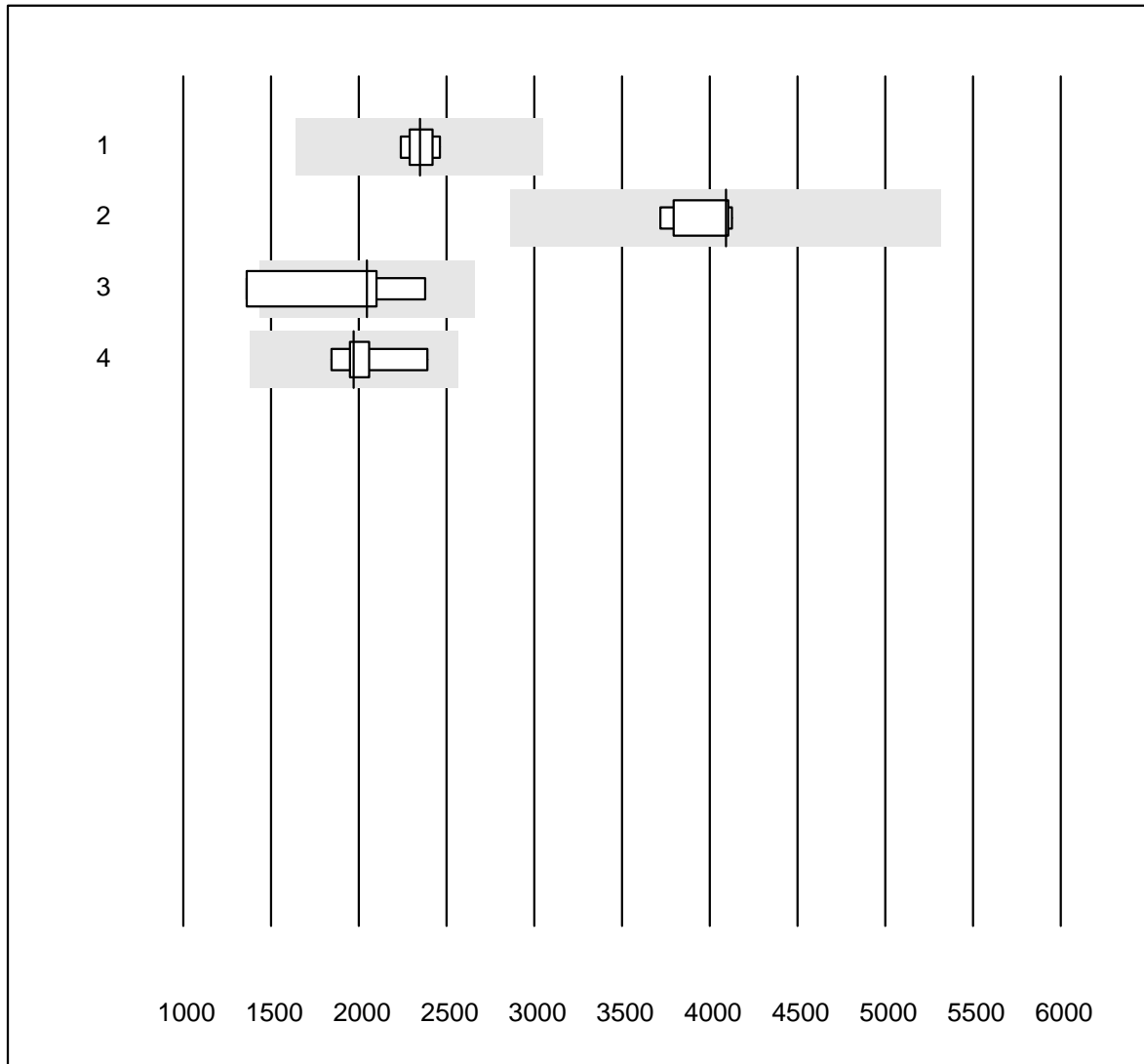
QUALAB tolerance : 30 %

Testosterone (nmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas	12	100.0	0.0	0.0	28.3	3.3	e
2	ADVIA Centaur XP/CP	6	100.0	0.0	0.0	26.7	8.2	e

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

# Estradiol

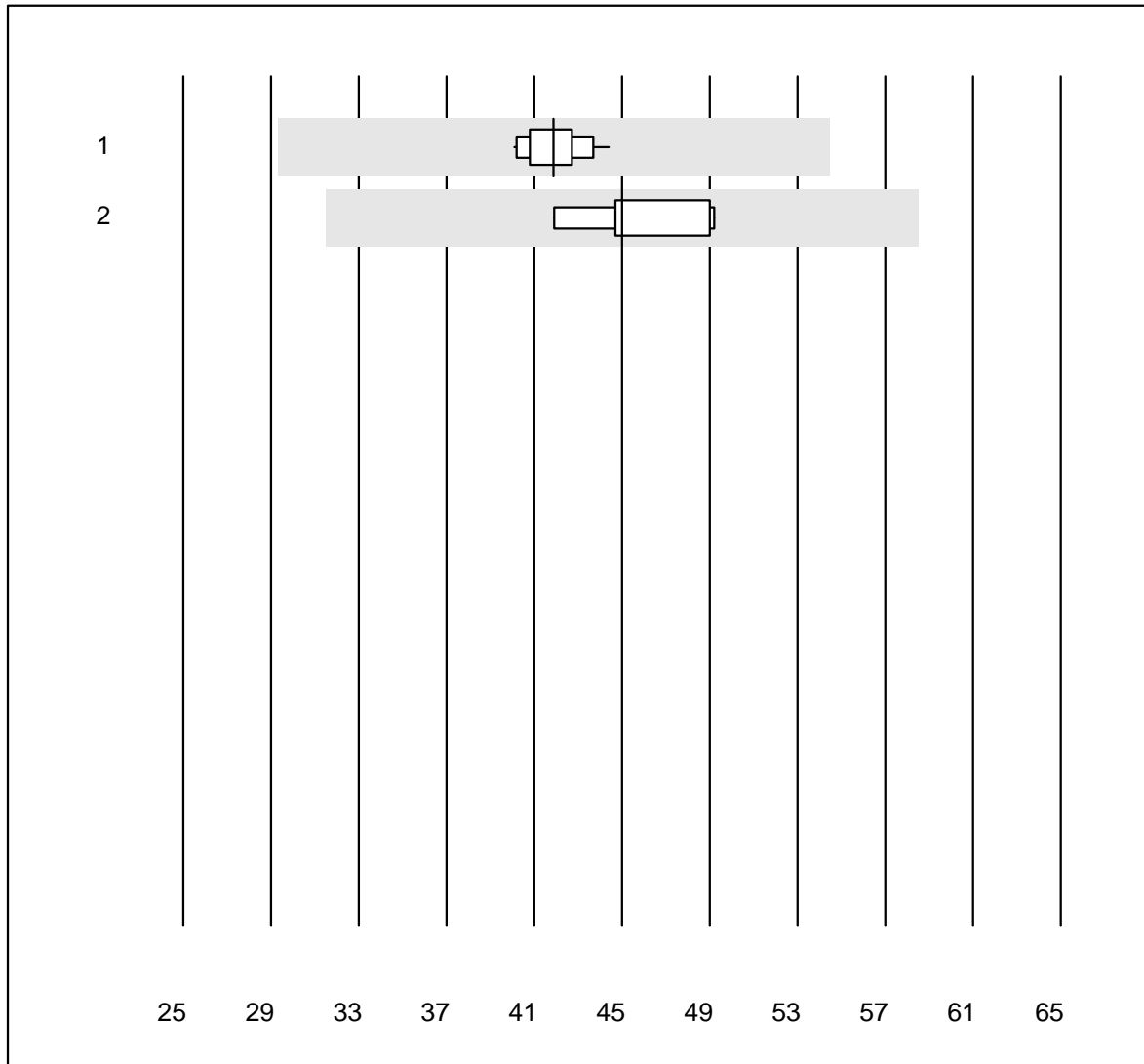


QUALAB tolerance : 30 %

Estradiol (pmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas	10	100.0	0.0	0.0	2348	3.3	e
2	ADVIA Centaur XP/CP	5	100.0	0.0	0.0	4093	4.9	e
3	all Participants	4	75.0	25.0	0.0	2047	21.9	e*
4	Abbott	7	100.0	0.0	0.0	1970	8.6	e

# SHBG



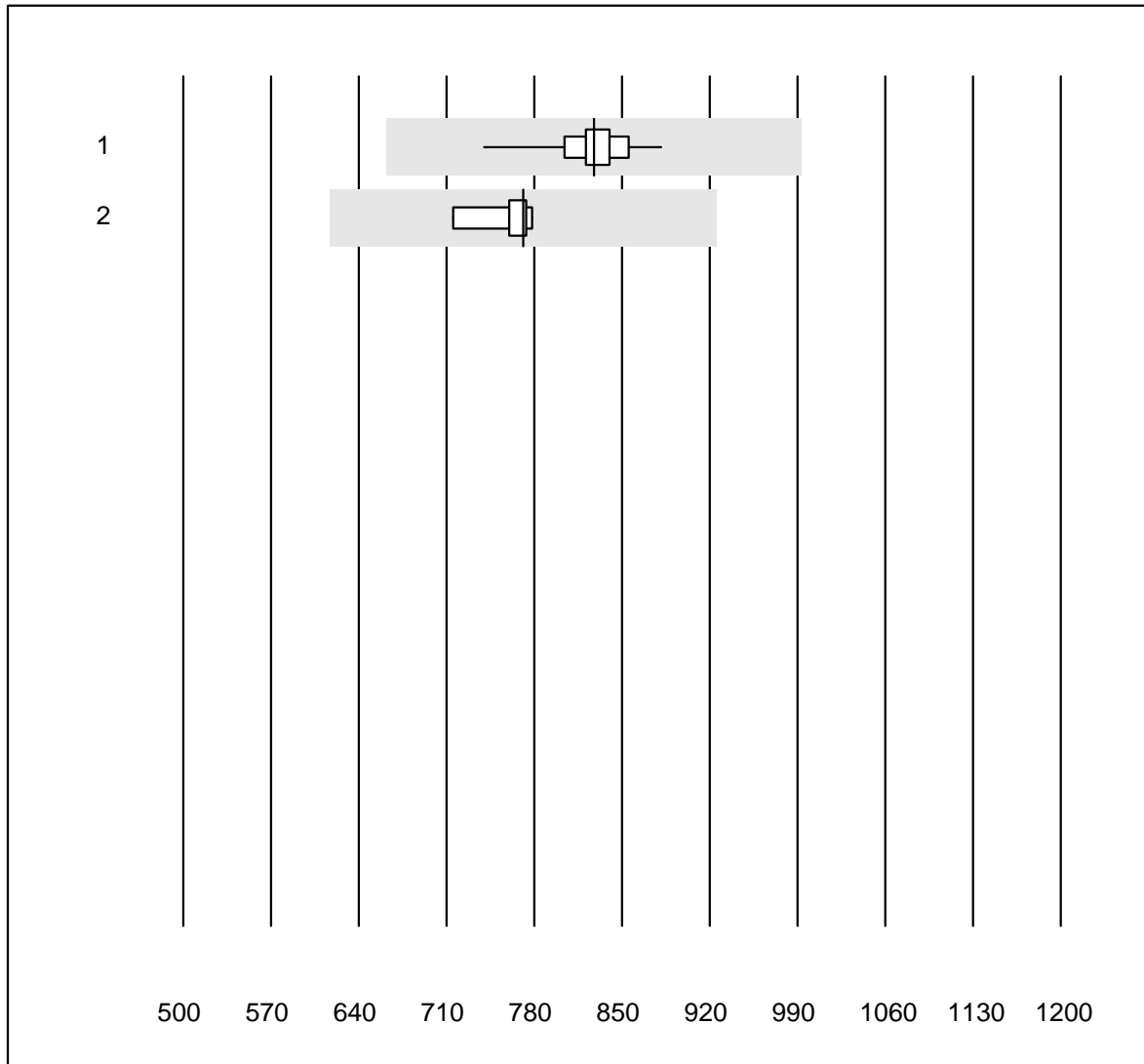
MQ tolerance : 30 %

SHBG (nmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas	16	100.0	0.0	0.0	41.9	3.1	e
2	Abbott	5	100.0	0.0	0.0	45.0	6.8	e

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

# Cortisol



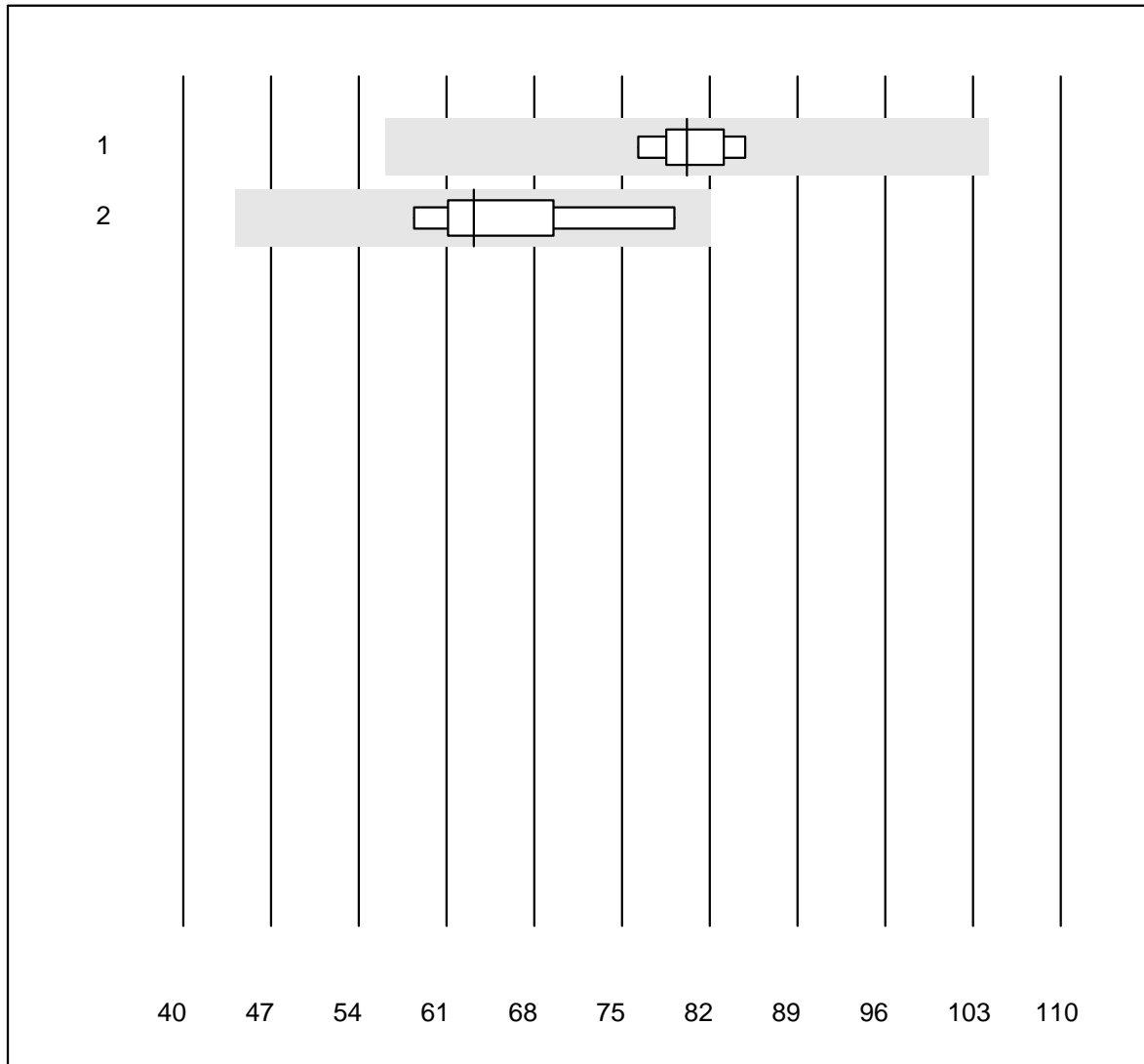
QUALAB tolerance : 20 %

Cortisol (nmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas E / Elecsys	21	100.0	0.0	0.0	828	3.4	e
2	Abbott	5	100.0	0.0	0.0	771	3.4	e

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

# Progesteron



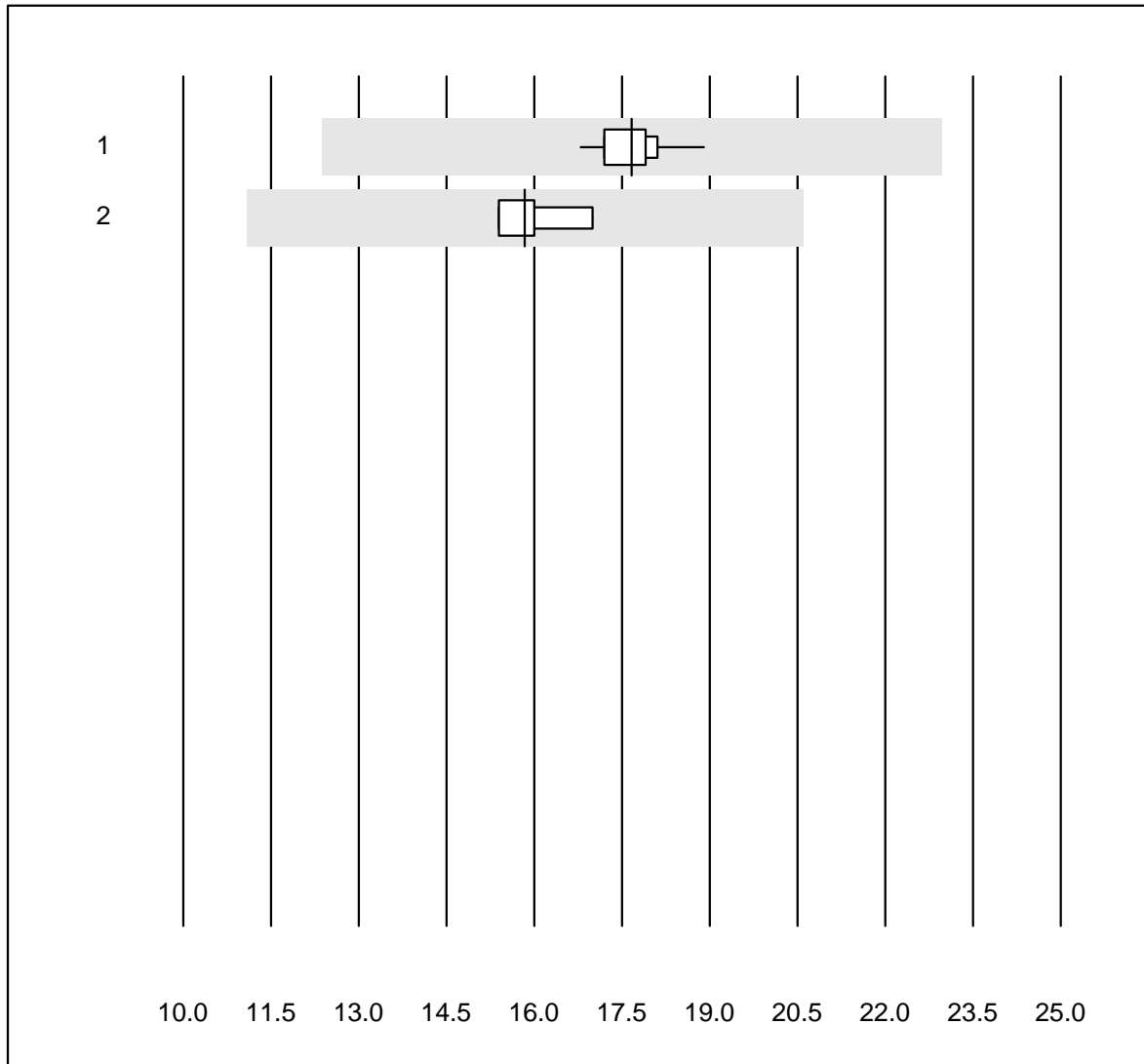
MQ tolerance : 30 %

Progesteron (nmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas	7	100.0	0.0	0.0	80.2	3.5	e
2	Abbott	6	100.0	0.0	0.0	63.2	11.5	e*

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

# DHEAS



MQ tolerance : 30 %

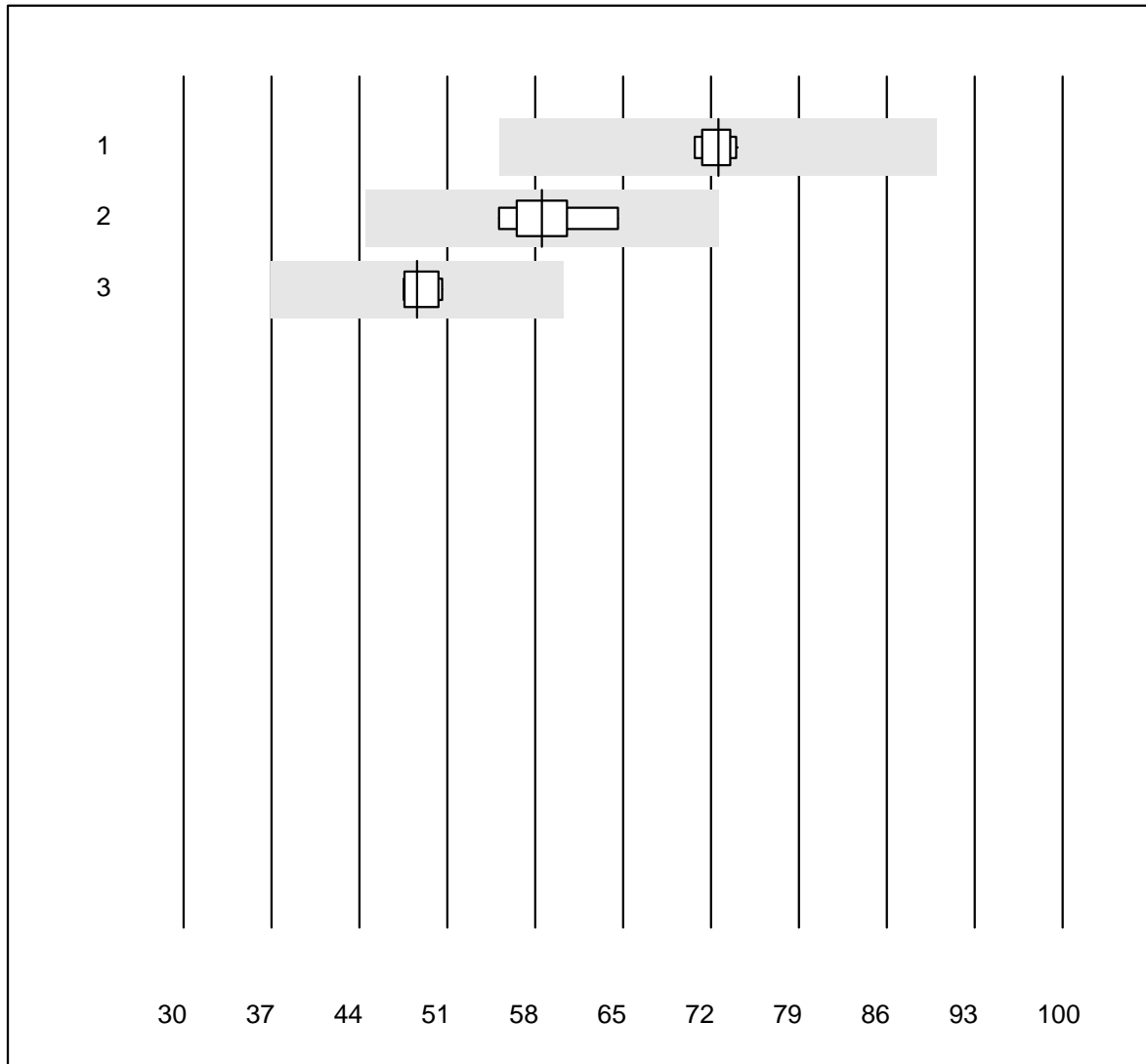
DHEAS (µmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas	12	100.0	0.0	0.0	17.67	3.1	e
2	Abbott	4	100.0	0.0	0.0	15.84	4.4	e

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



## Luteinizing hormone



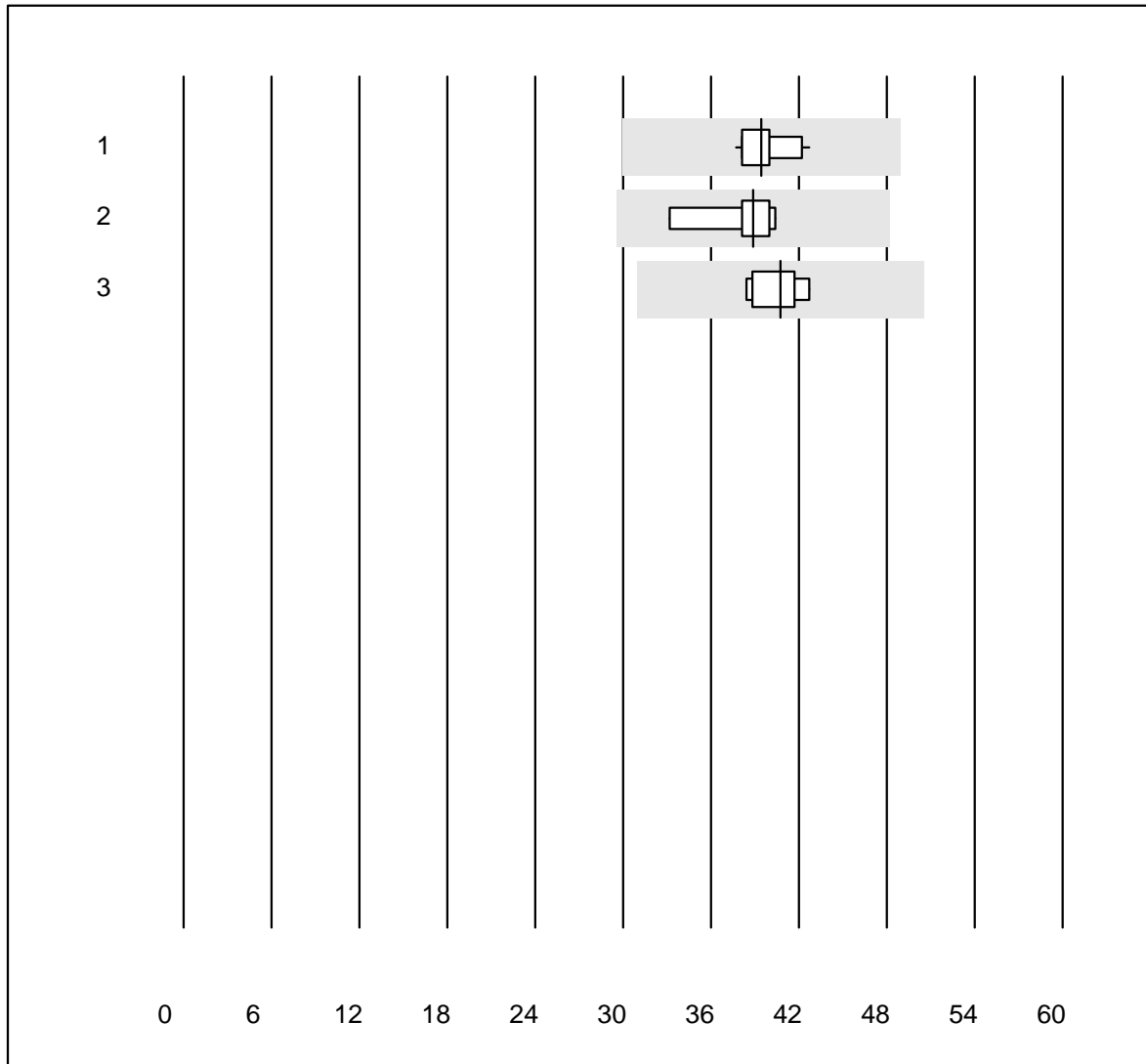
QUALAB tolerance : 24 %

Luteinizing hormone (U/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Roche, Cobas	10	100.0	0.0	0.0	72.6	1.7	e
2	ADVIA Centaur XP/CP	6	100.0	0.0	0.0	58.5	5.7	e
3	Abbott	7	100.0	0.0	0.0	48.6	2.5	e

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

## Follicle-stimulating hormone



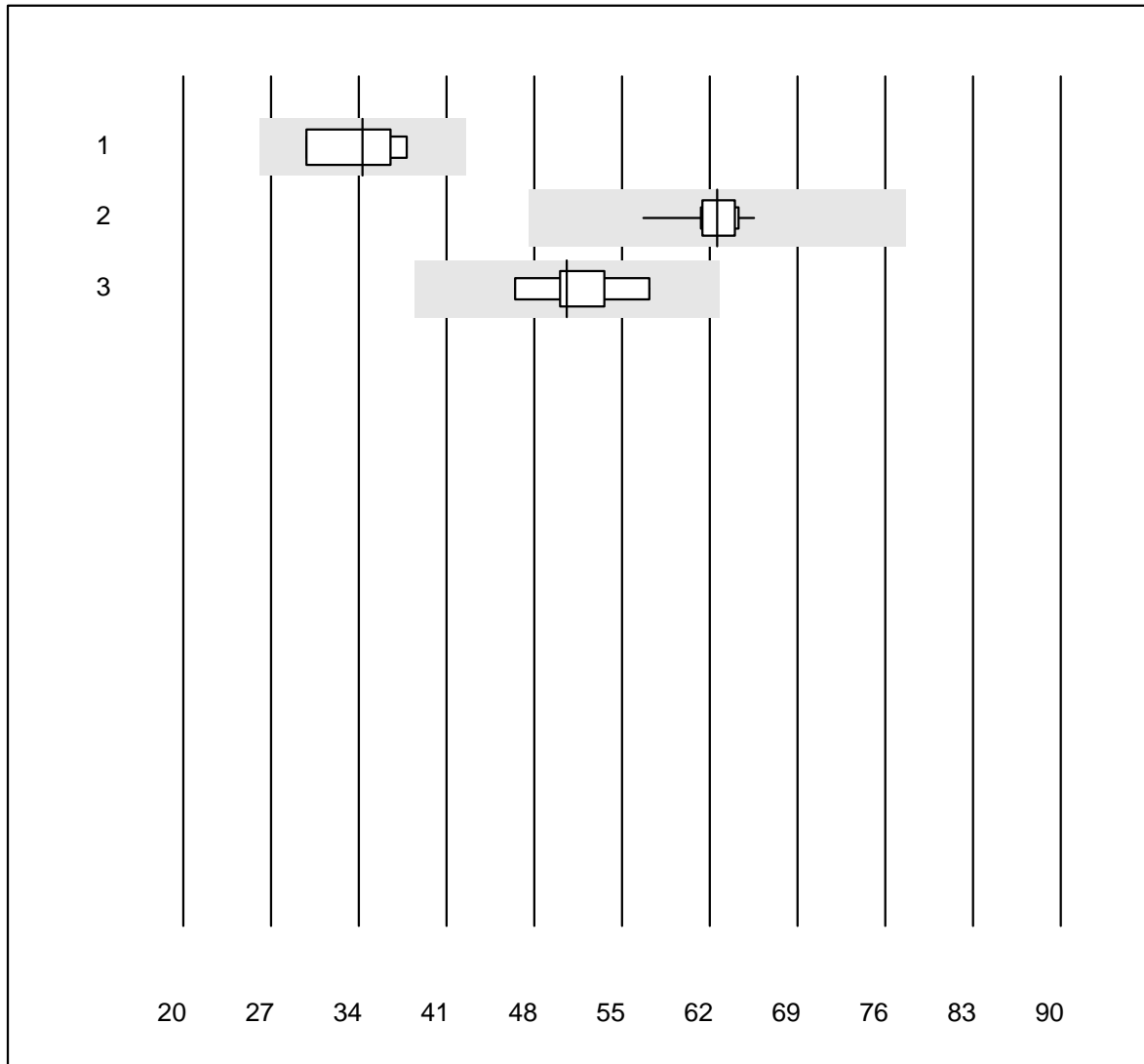
QUALAB tolerance : 24 %

Follicle-stimulating hormone (U/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Roche, Cobas	11	100.0	0.0	0.0	39.4	4.1	e
2	ADVIA Centaur XP/CP	6	100.0	0.0	0.0	38.9	6.8	e
3	Architect	8	100.0	0.0	0.0	40.7	3.8	e

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

# Prolactine

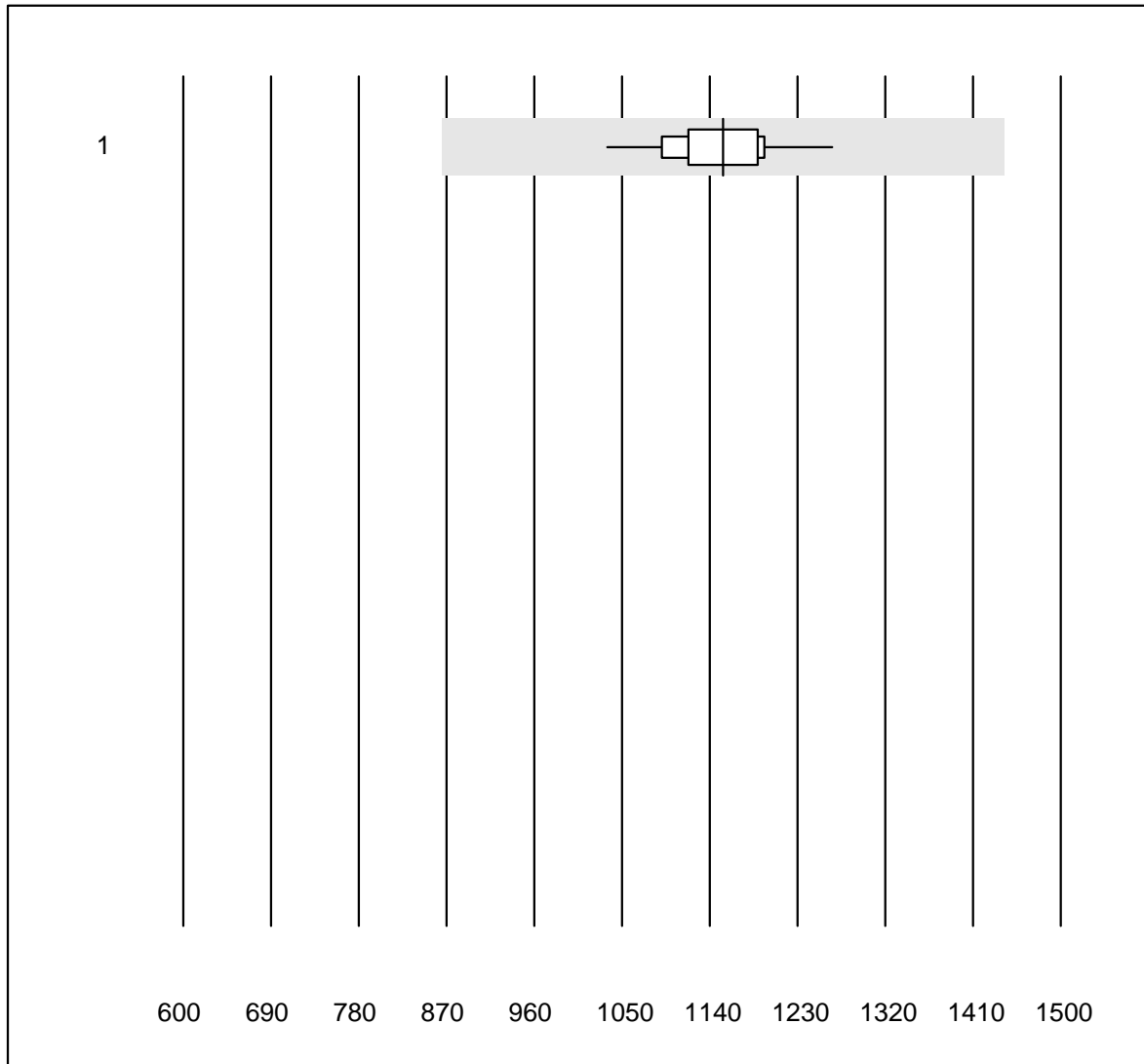


QUALAB tolerance : 24 %

Prolactine (µg/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 ADVIA Centaur XP/CP	4	100.0	0.0	0.0	34.3	11.0	e*
2 Cobas/Roche	12	100.0	0.0	0.0	62.6	3.6	e
3 Abbott	6	100.0	0.0	0.0	50.6	7.1	e*

# Insulin



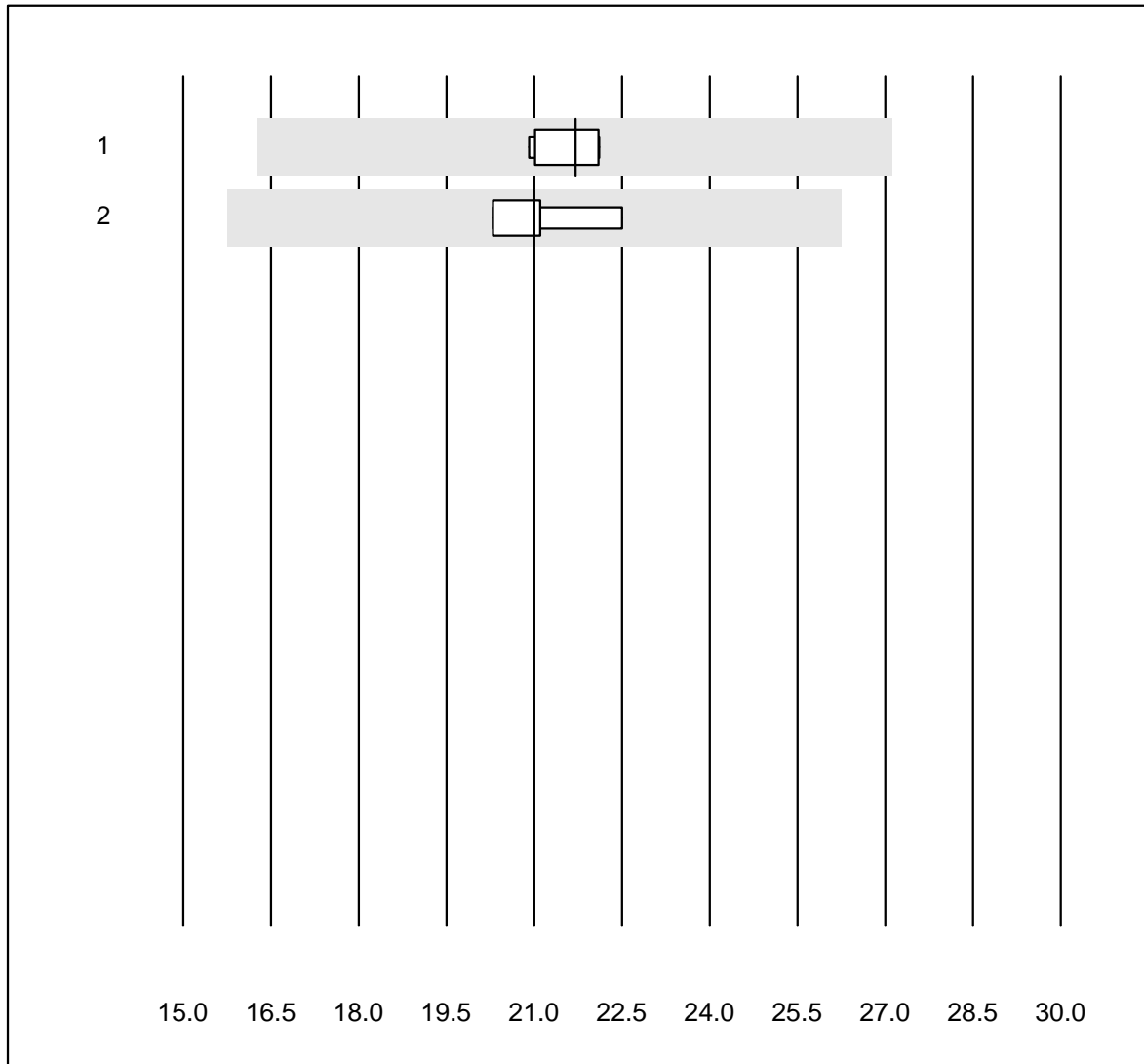
MQ tolerance : 25 %

Insulin (pmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas	14	100.0	0.0	0.0	1154	4.8	e

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

# HGH

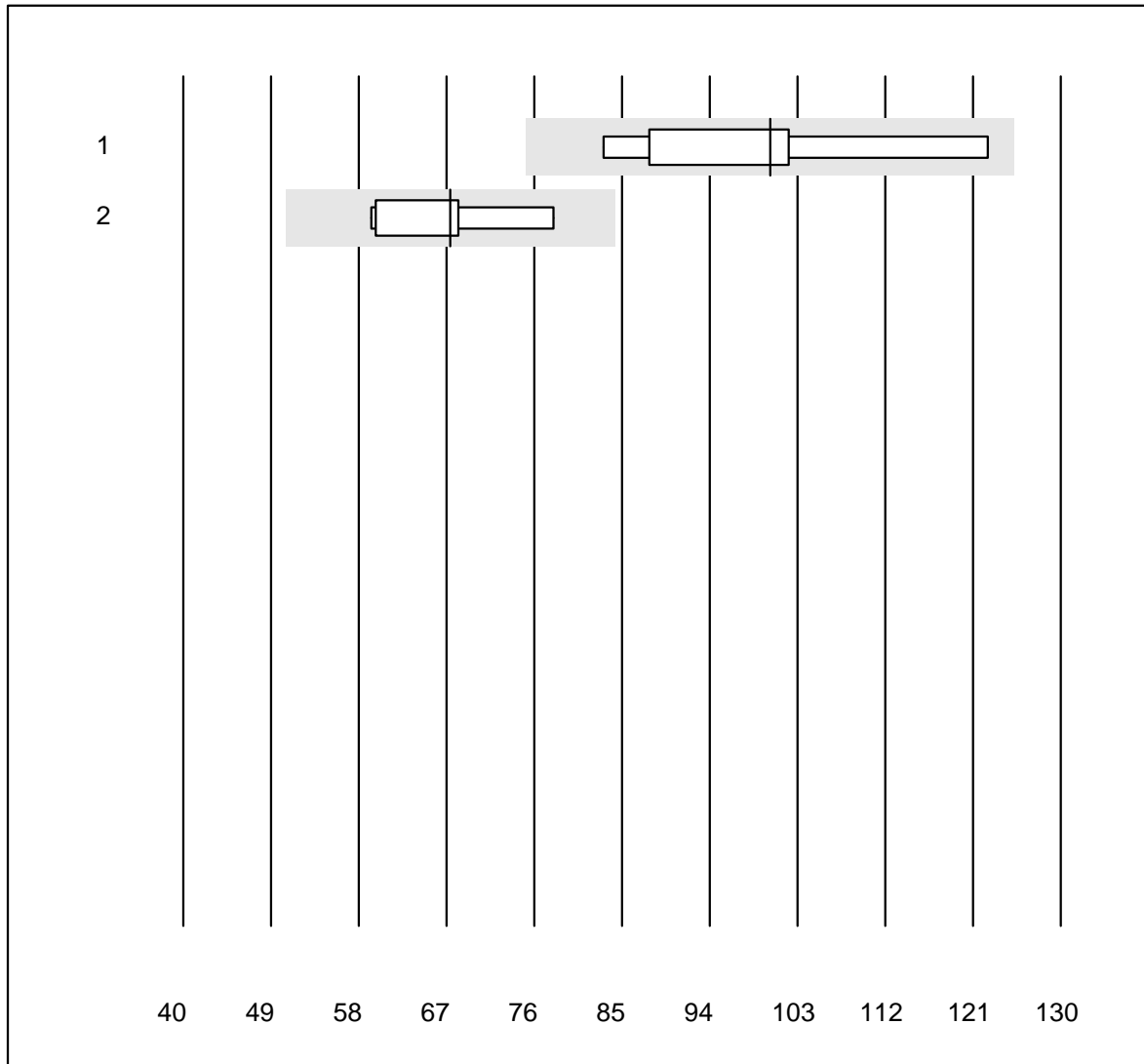


MQ tolerance : 25 %

HGH (µg/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	all Participants	7	100.0	0.0	0.0	21.70	2.4	e
2	Liaison	4	100.0	0.0	0.0	21.00	4.4	e

# IGF-1

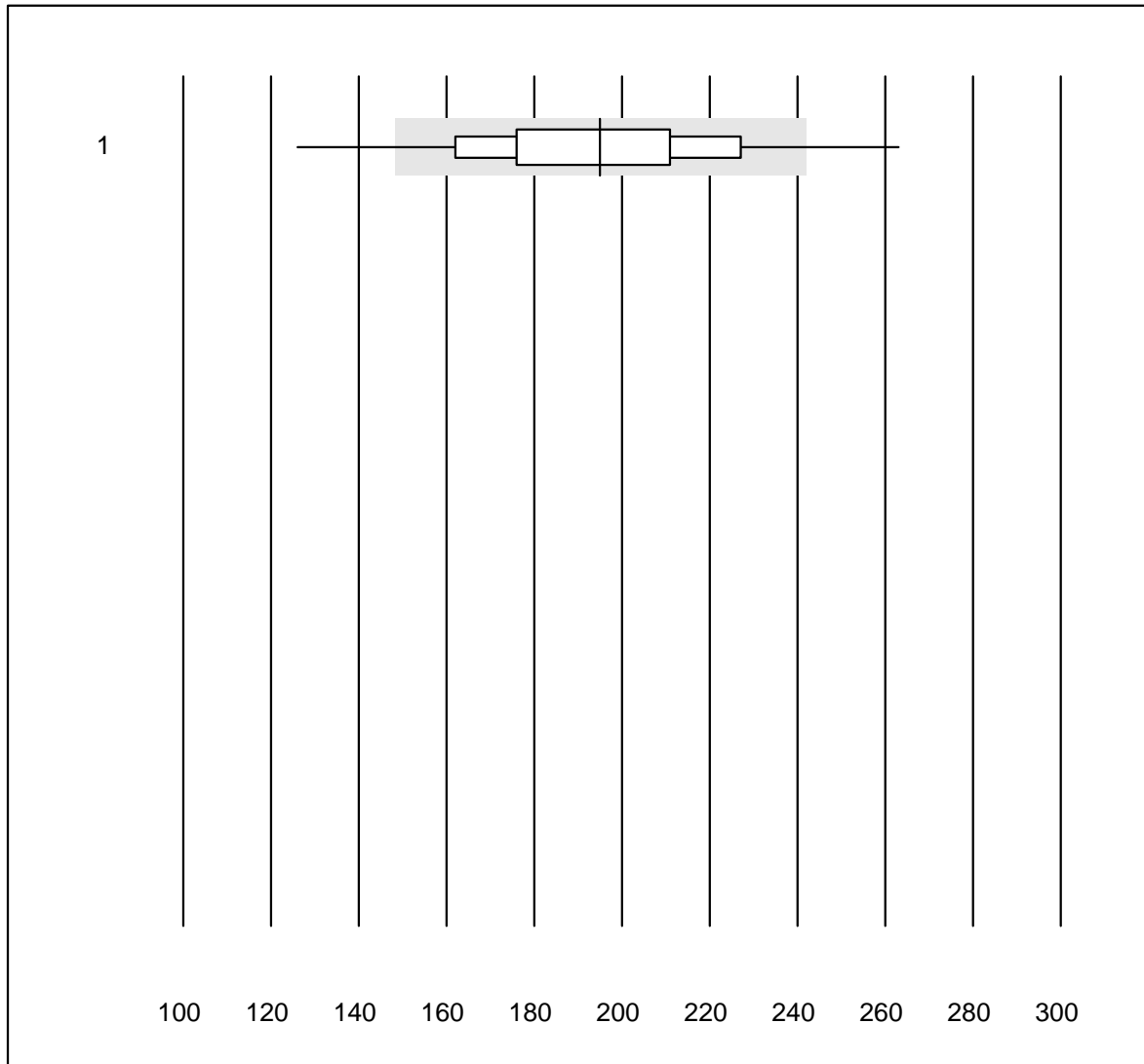


MQ tolerance : 25 %

IGF-1 (µg/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Liaison	9	88.9	0.0	11.1	100	14.0	e*
2	Other methods	5	100.0	0.0	0.0	67	11.5	e*

## Troponin T CR

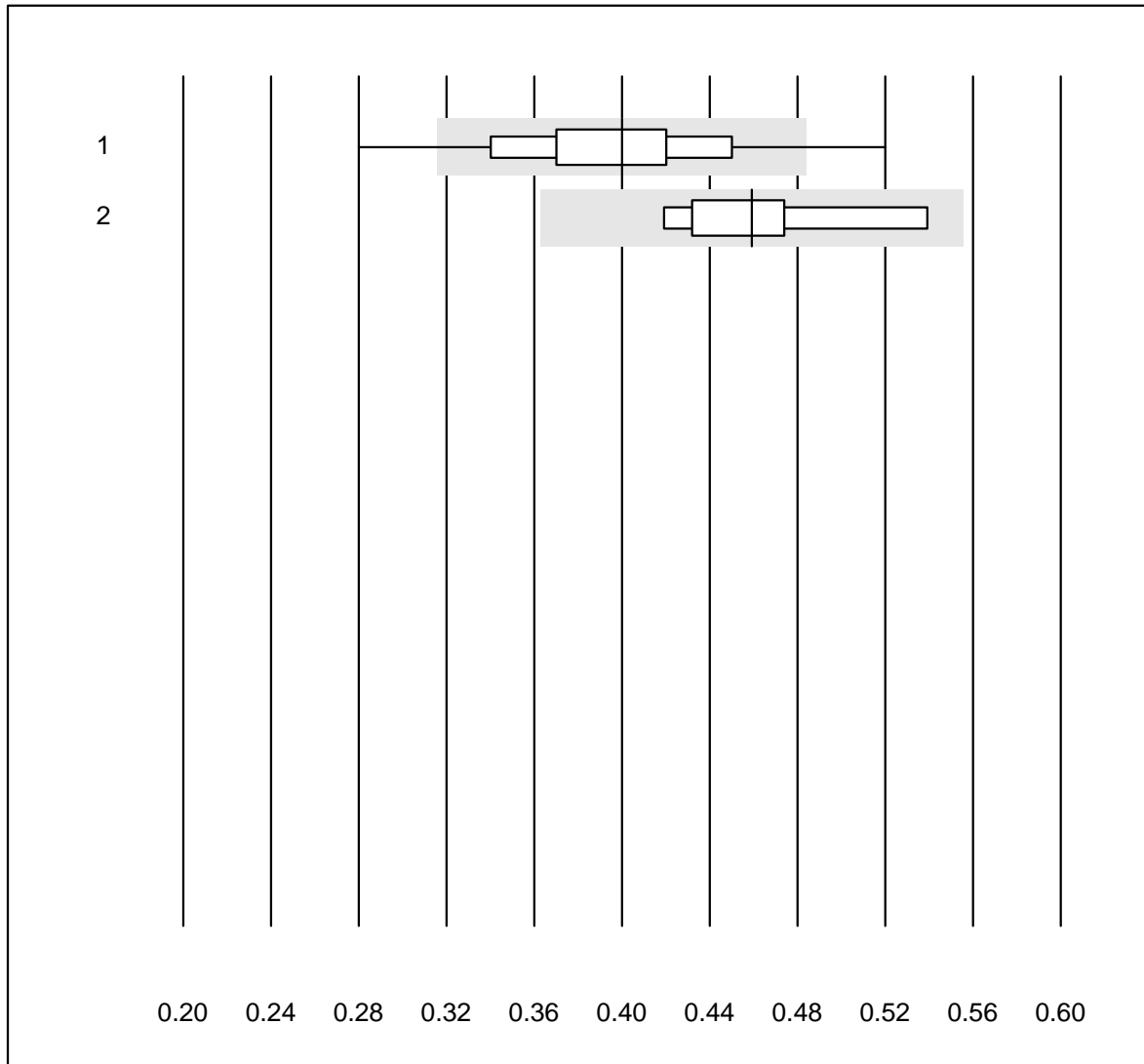


QUALAB tolerance : 24 %

Troponin T CR (ng/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas h 232	961	89.8	7.1	3.1	195.00	13.2	e

## D-dimer CR



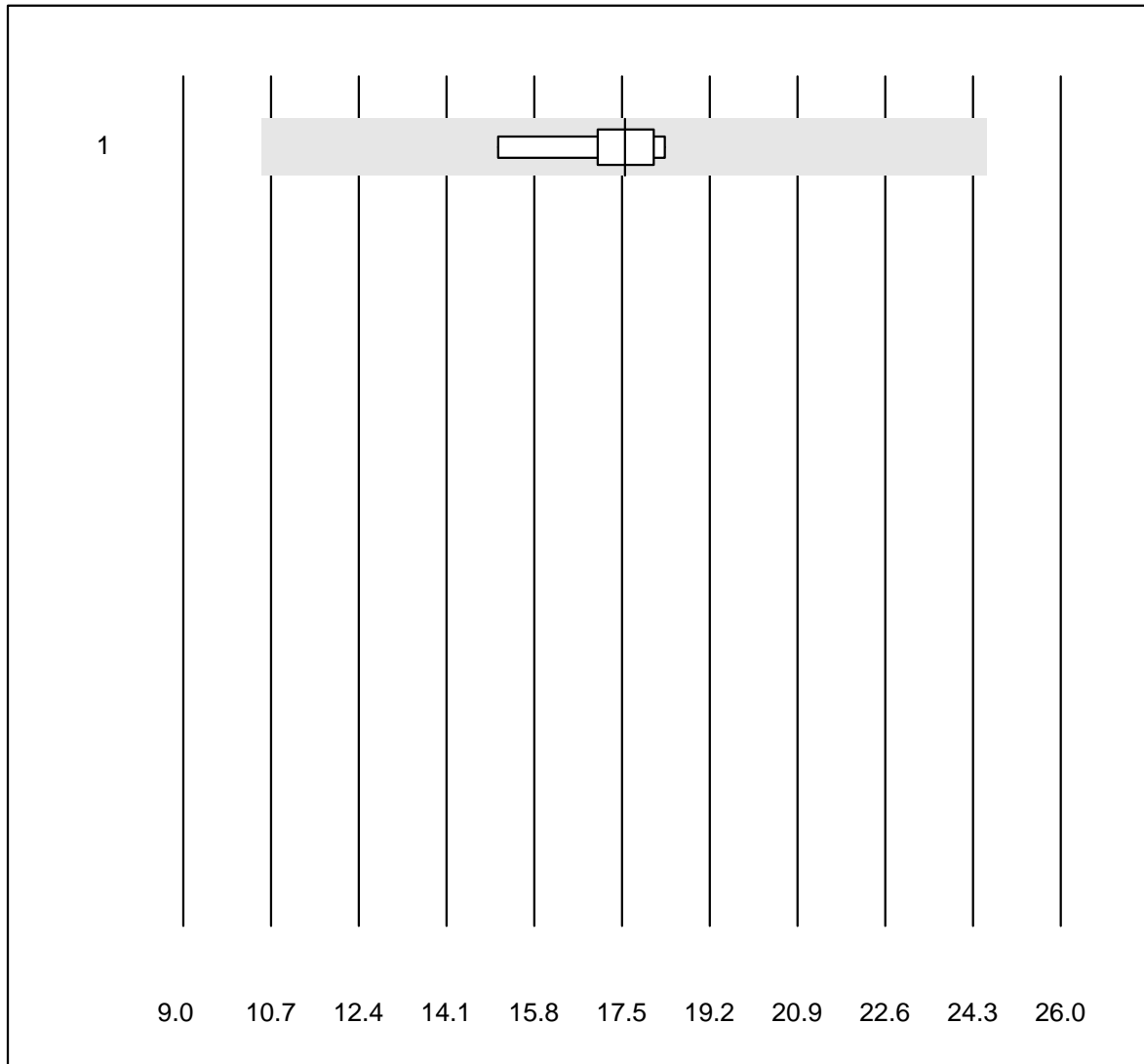
QUALAB tolerance : 21 %

D-dimer CR (mg/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas h 232	1051	90.7	4.8	4.5	0.40	10.6	e
2	Lumira Dx	8	100.0	0.0	0.0	0.46	8.1	e*



### CKMB- K8

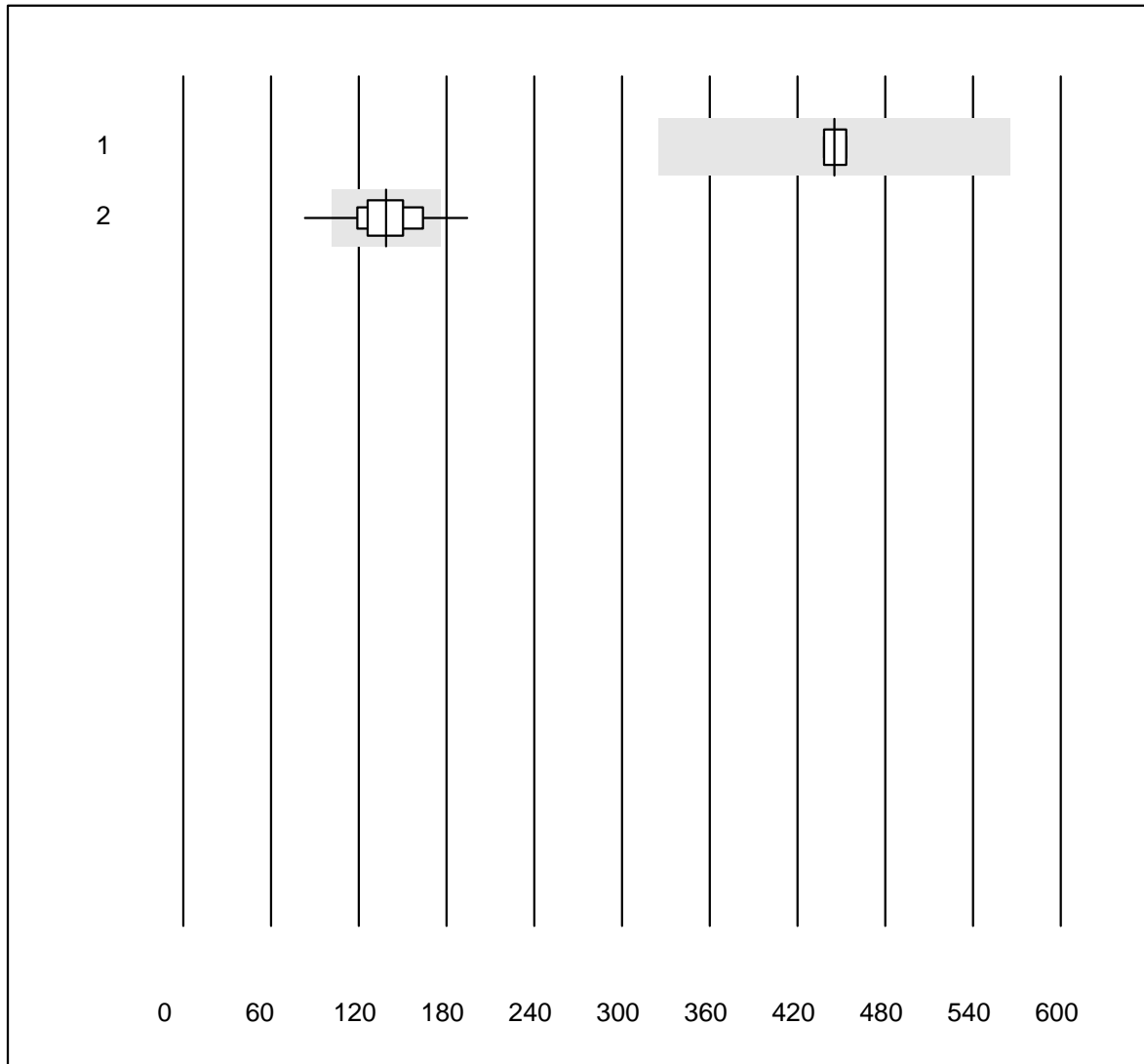


MQ tolerance : 40 %

CKMB- K8 (µg/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas h 232	7	100.0	0.0	0.0	17.6	6.2	e

## NT-proBNP CR

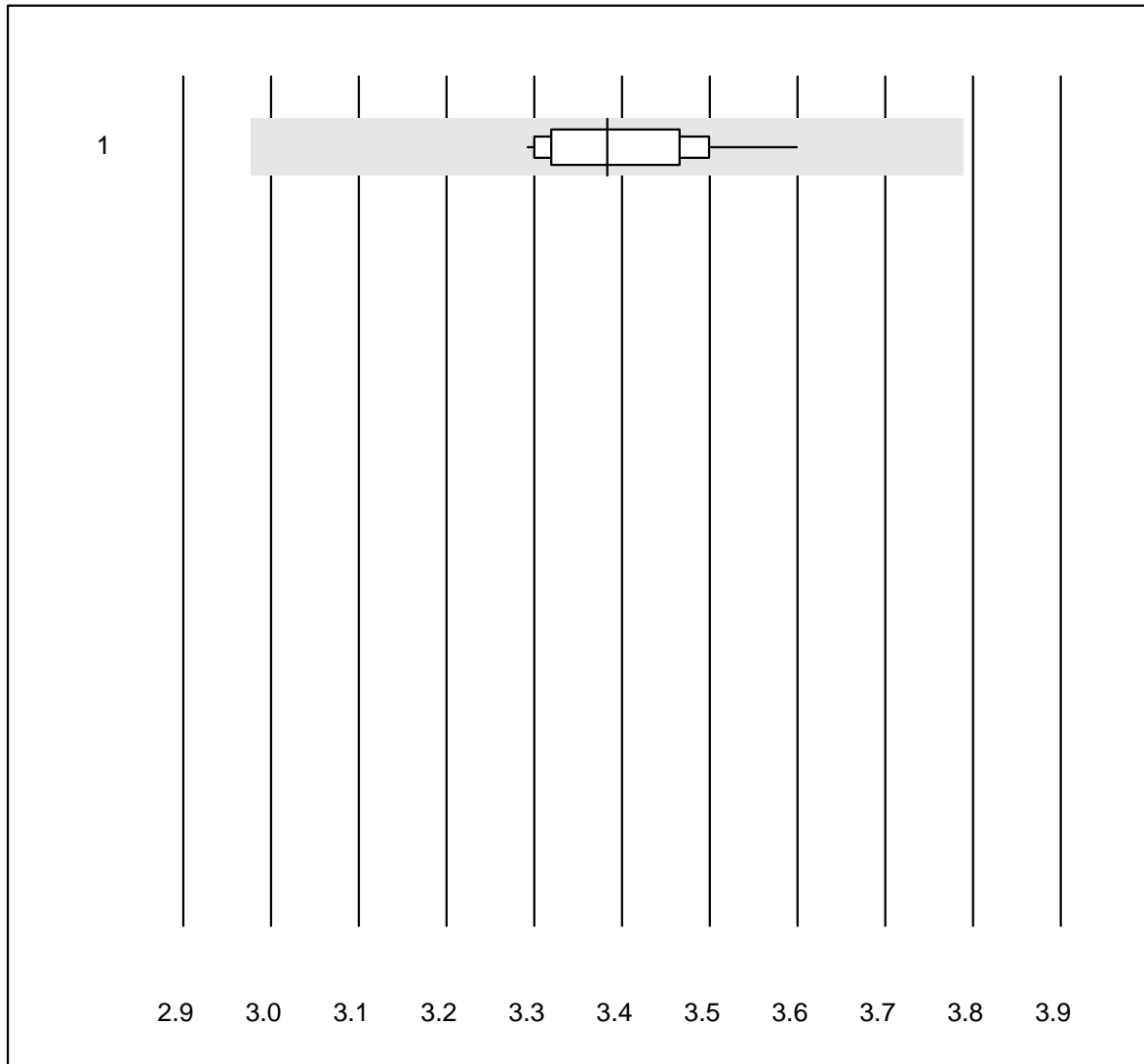


QUALAB tolerance : 27 %

NT-proBNP CR (ng/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Lumira Dx	4	75.0	0.0	25.0	445	1.9	e
2	Cobas h 232	652	88.2	6.4	5.4	139	13.7	e

## PCO2 CCA

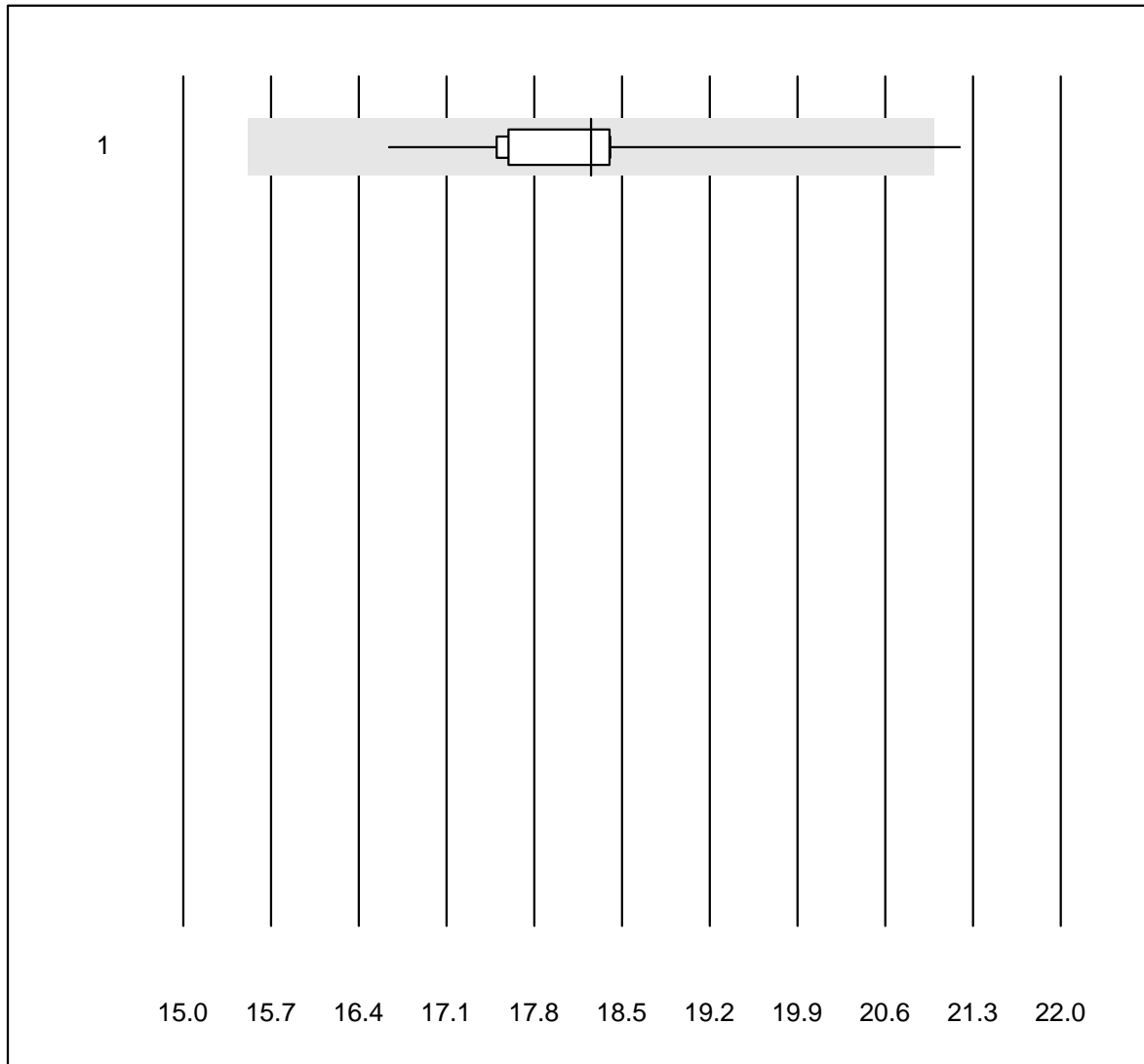


QUALAB tolerance : 12 %

PCO2 CCA (kPa)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 OPTI CCA	11	100.0	0.0	0.0	3.38	2.9	e

## PO2 CCA

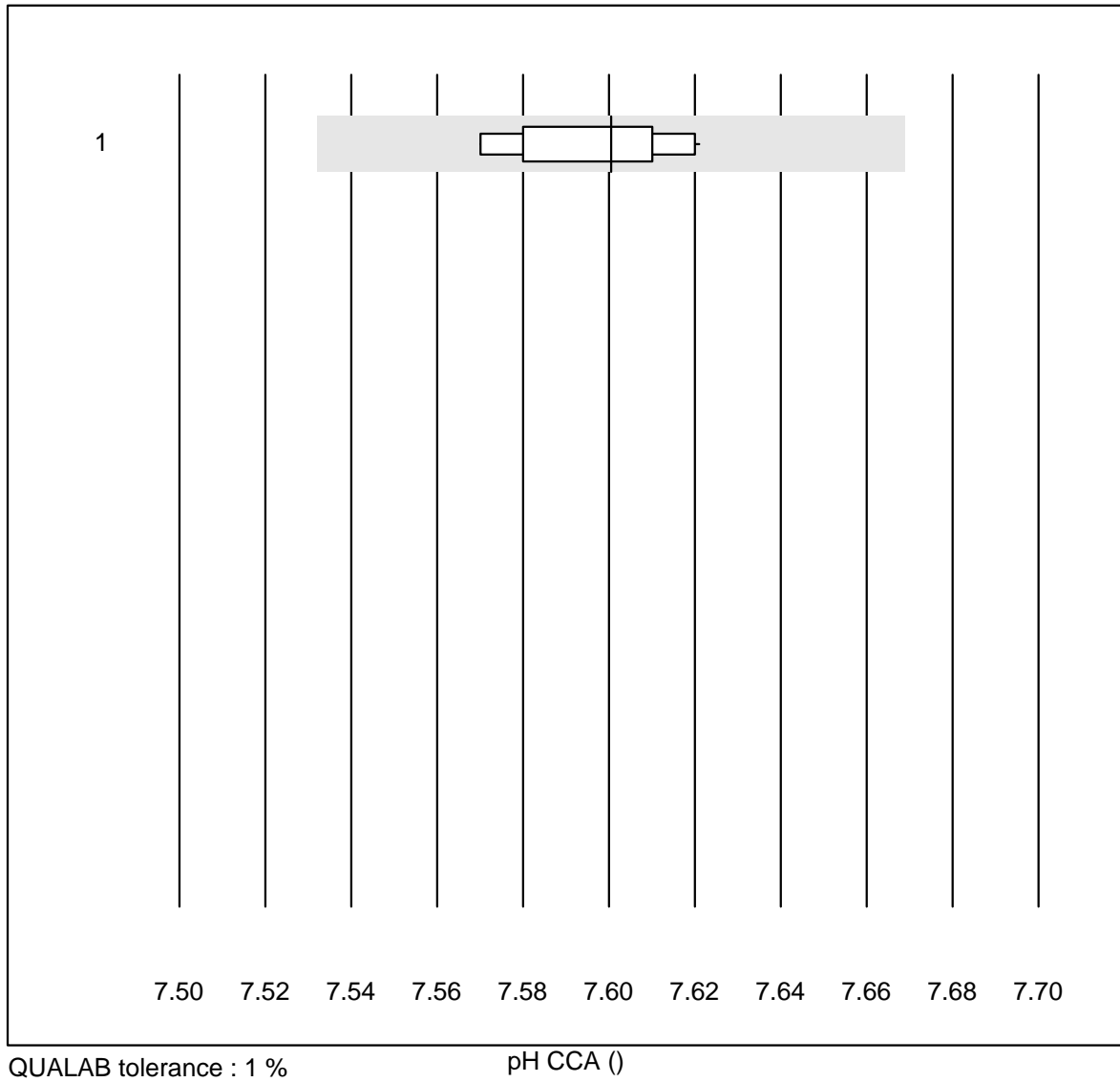


QUALAB tolerance : 15 %

PO2 CCA (kPa)

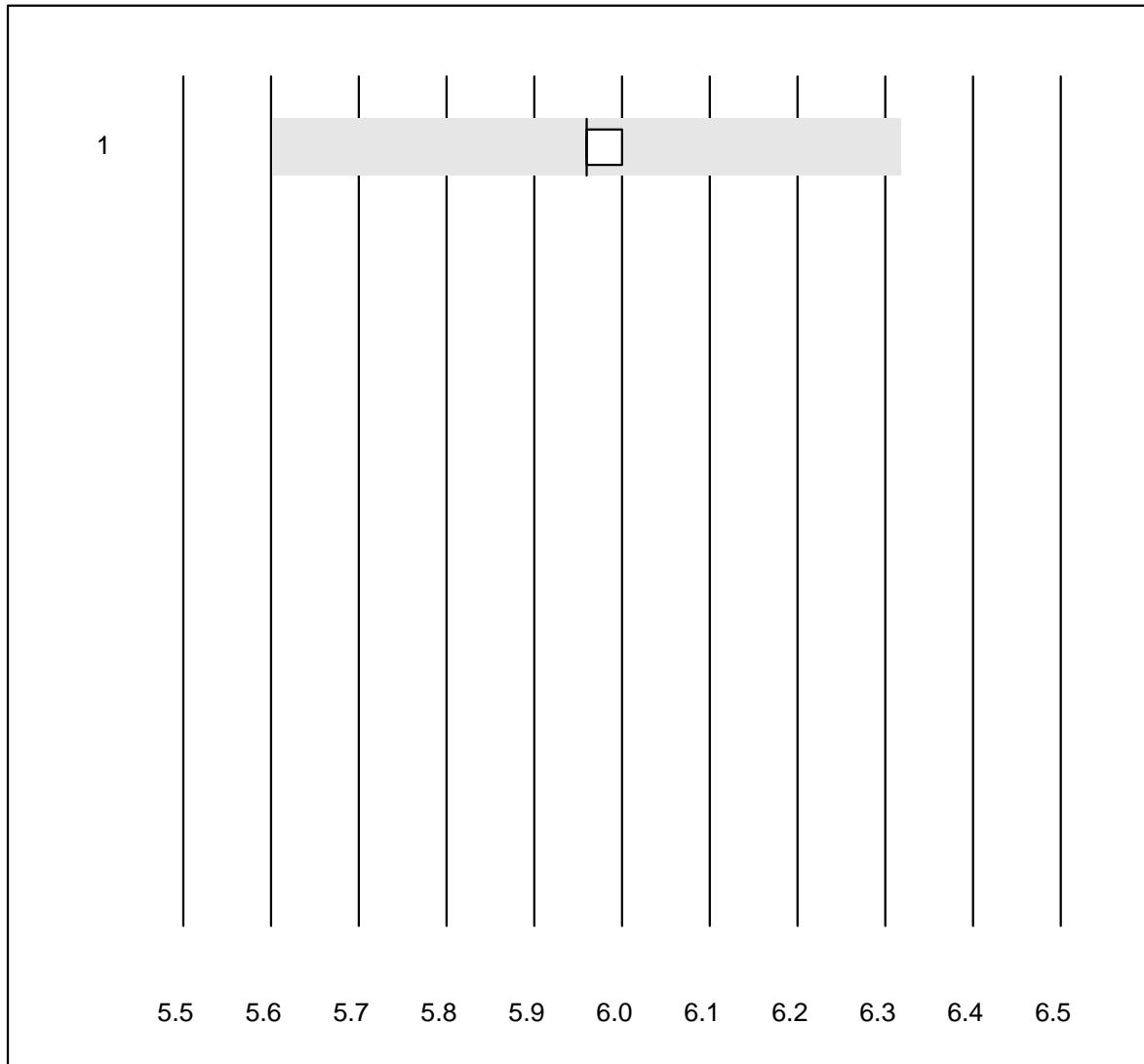
No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 OPTI CCA	11	90.9	9.1	0.0	18.26	6.1	e*

# pH CCA



No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 OPTI CCA	10	100.0	0.0	0.0	7.60	0.2	e

## Potassium CCA

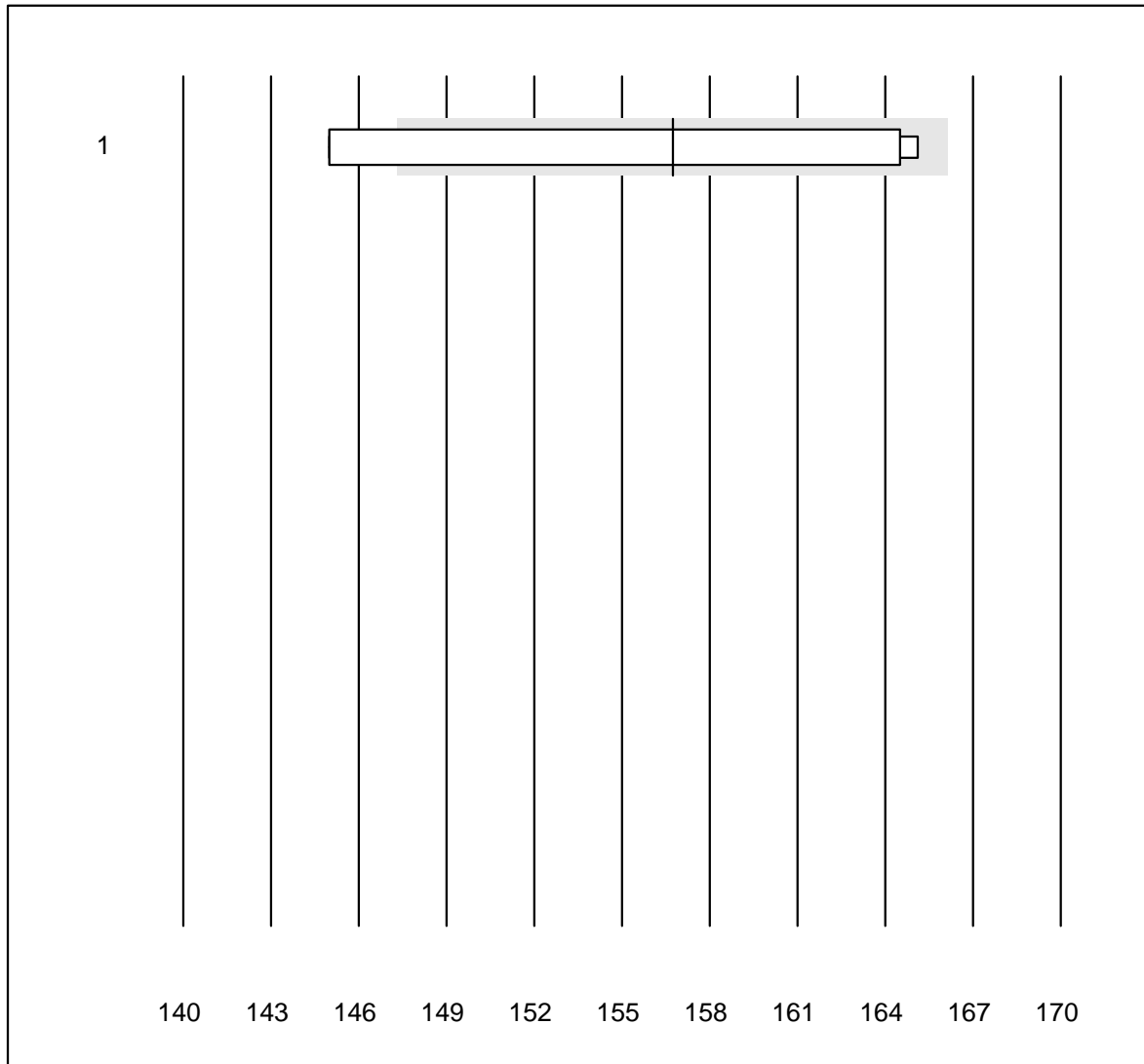


QUALAB tolerance : 6 %

Potassium CCA (mmol/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 OPTI CCA	5	60.0	0.0	40.0	6.0	0.3	e

## Sodium CCA

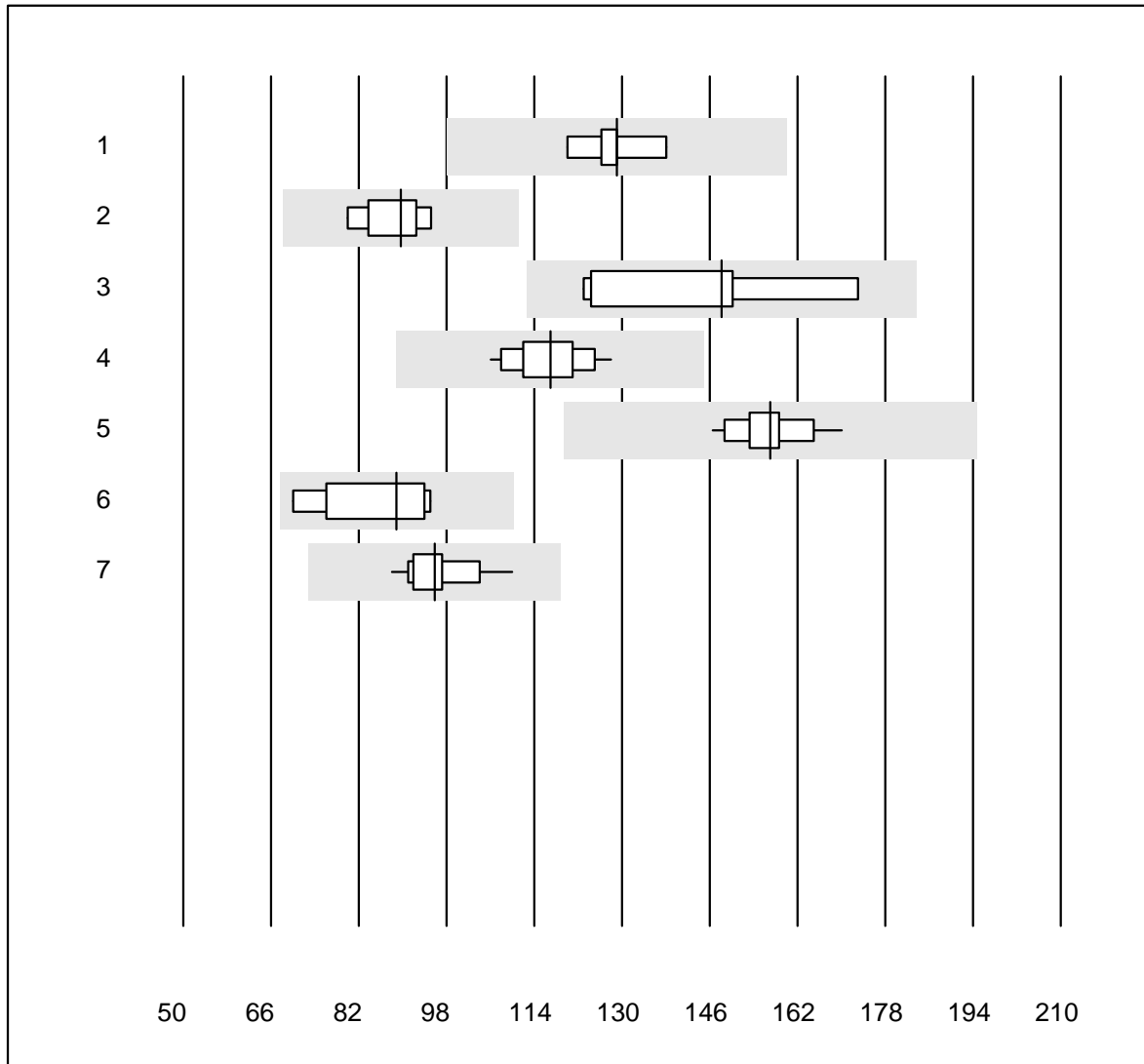


QUALAB tolerance : 6 %

Sodium CCA (mmol/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 OPTI CCA	4	75.0	25.0	0.0	156.8	6.7	e*

# Ferritin



QUALAB tolerance : 24 %

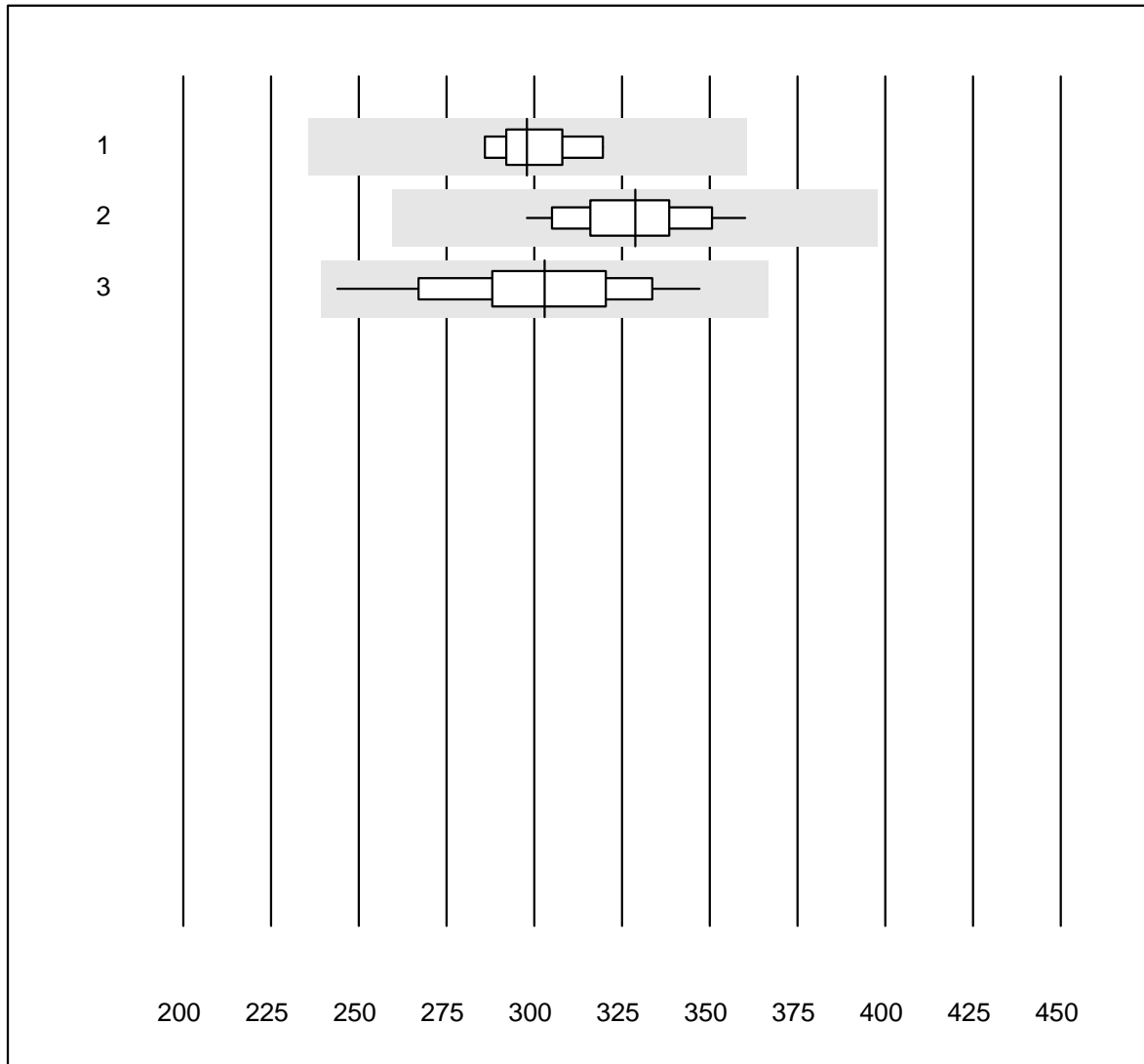
Ferritin (µg/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Dimension	5	100.0	0.0	0.0	129.00	5.0	e
2	Beckman	7	100.0	0.0	0.0	89.60	5.9	e
3	all Participants	5	100.0	0.0	0.0	148.20	14.4	e*
4	Cobas E / Elecsys	28	100.0	0.0	0.0	116.91	5.1	e
5	Abbott	13	100.0	0.0	0.0	156.99	4.1	e
6	Mini Vidas	7	100.0	0.0	0.0	88.89	11.5	a
7	AFIAS	28	100.0	0.0	0.0	95.85	5.4	e

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



## Vitamin B12



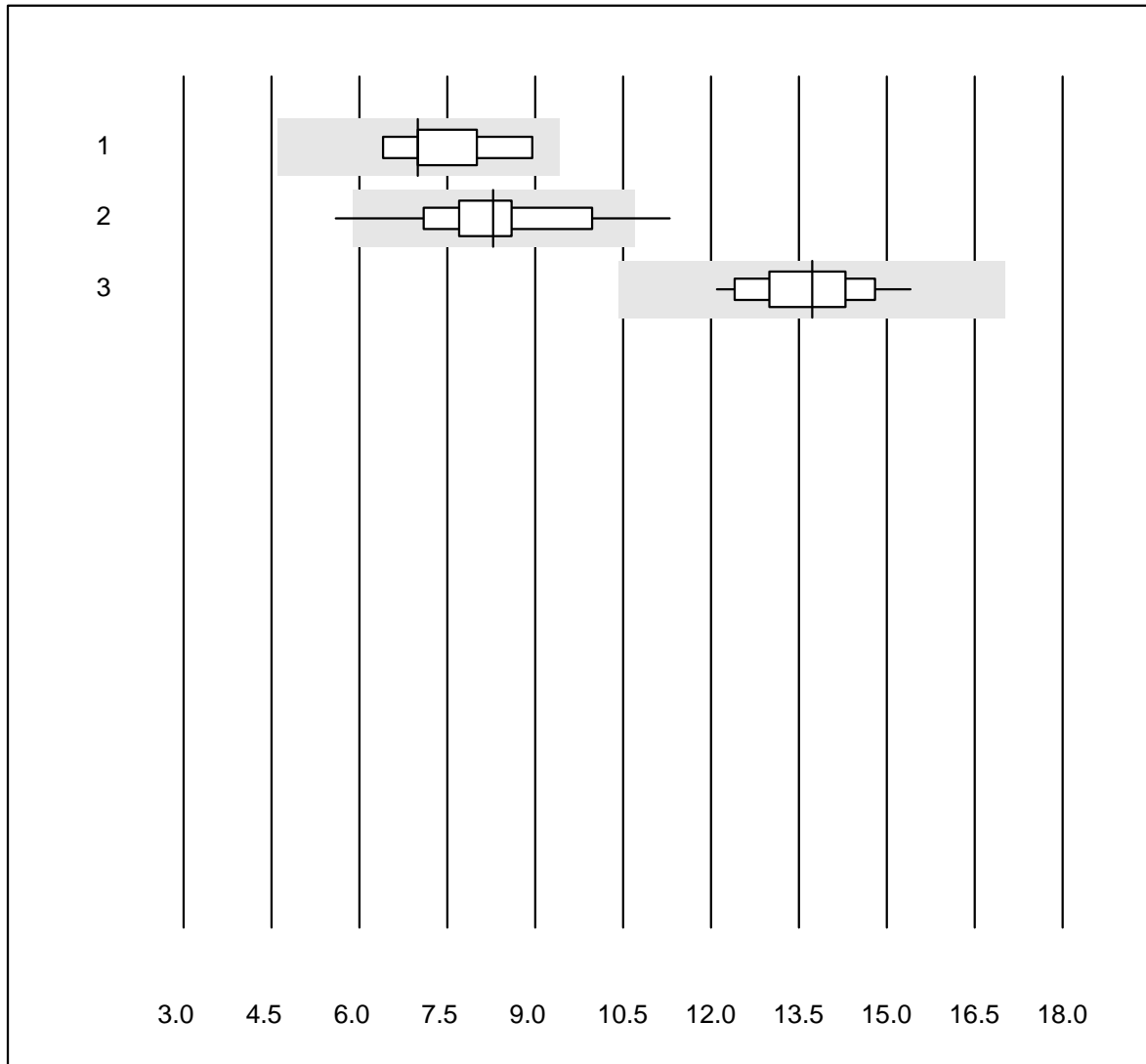
QUALAB tolerance : 21 %

Vitamin B12 (pmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	all Participants	5	100.0	0.0	0.0	298.00	4.4	e
2	Cobas E / Elecsys	22	100.0	0.0	0.0	328.76	5.1	e
3	Abbott	12	100.0	0.0	0.0	303.01	9.6	e*

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

# Folate



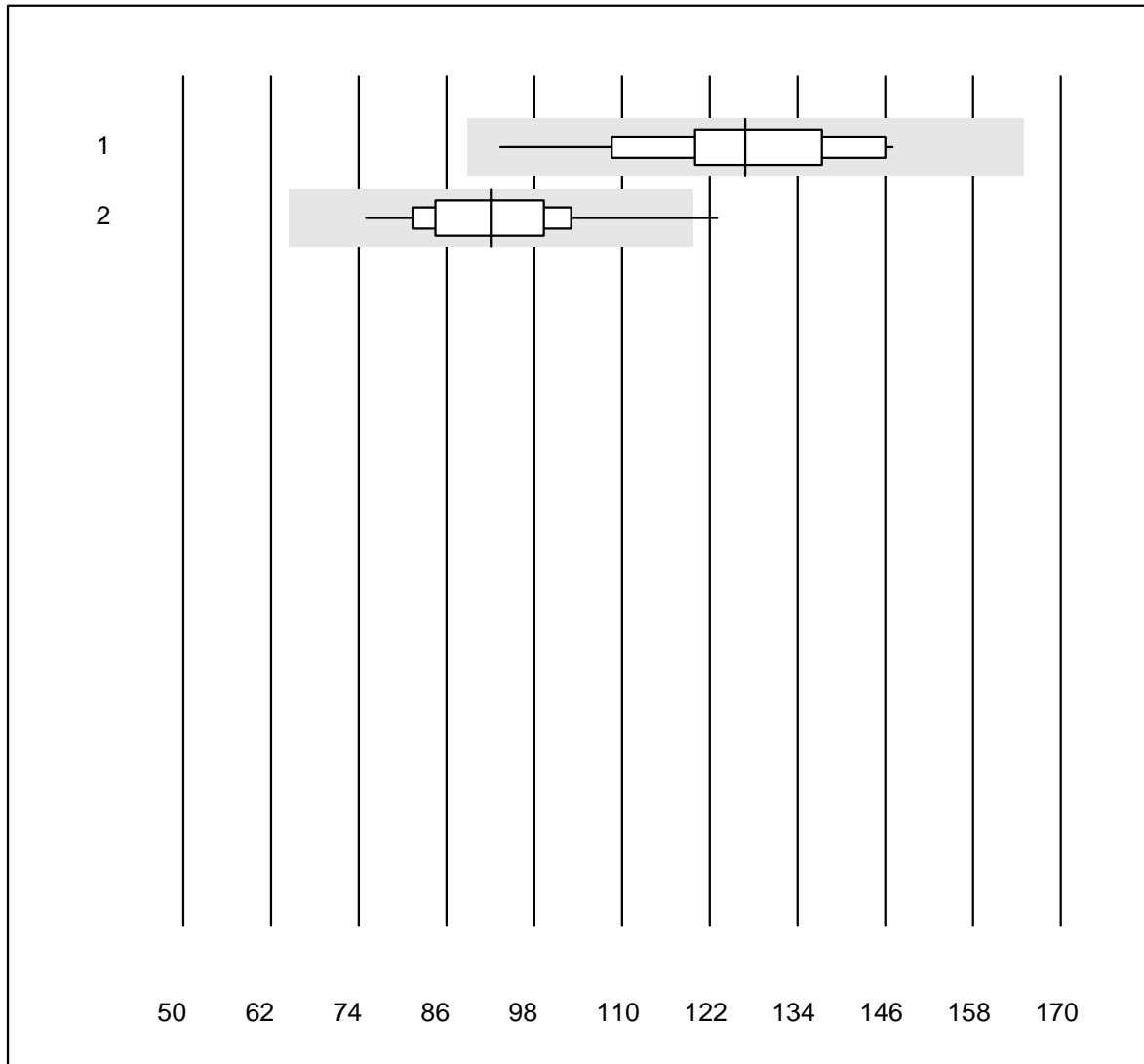
QUALAB tolerance : 24 %  
 (< 10.00: +/- 2.40 nmol/l)

Folate (nmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Siemens	6	100.0	0.0	0.0	7.00	12.5	e*
2	Cobas E / Elecsys	22	90.9	9.1	0.0	8.29	14.2	e*
3	Abbott	11	100.0	0.0	0.0	13.72	7.2	e

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

## Holotranscobalamine



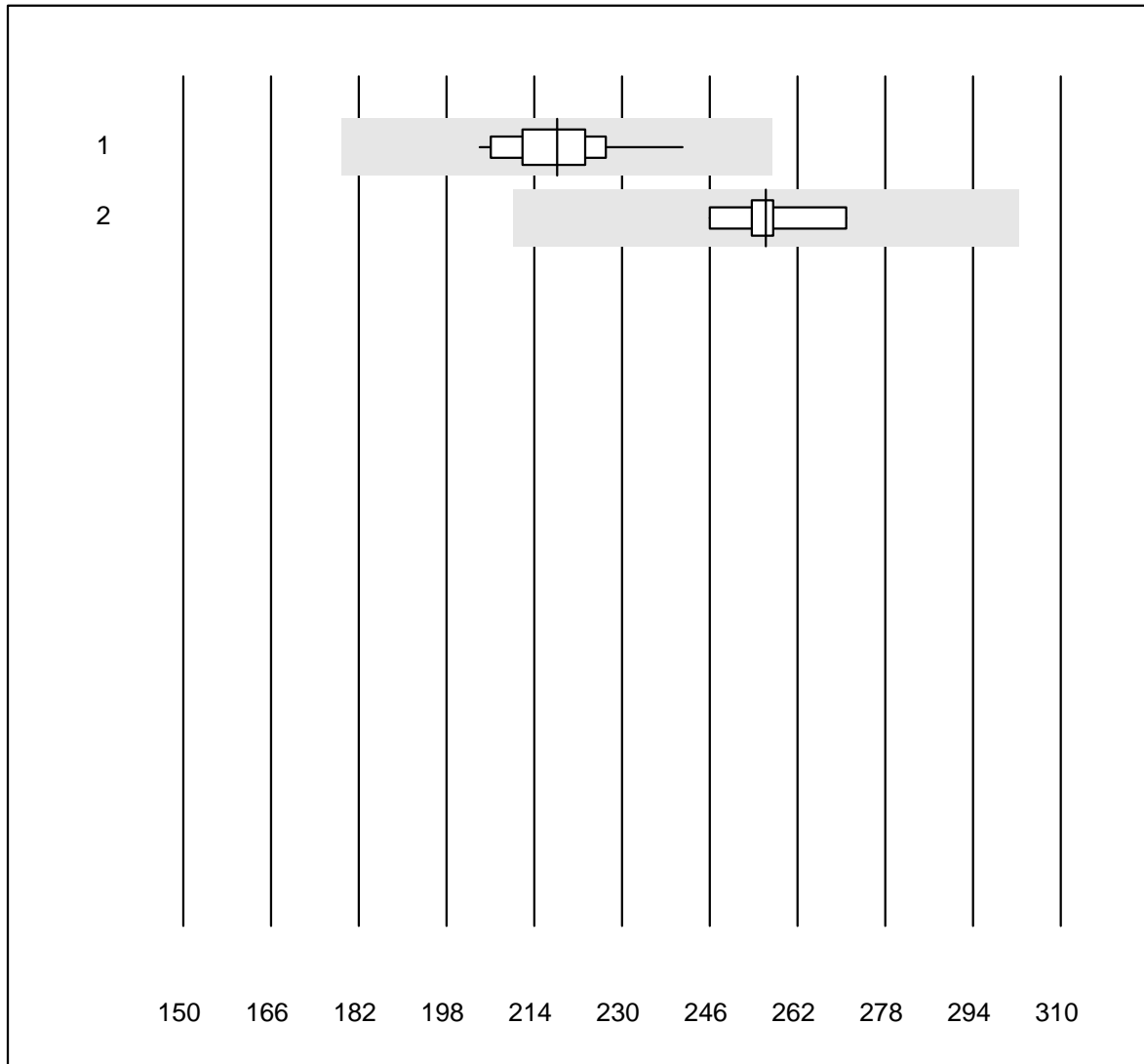
MQ tolerance : 30 %

Holotranscobalamine (pmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	18	100.0	0.0	0.0	126.9	11.2	e
2	Cobas	32	96.9	3.1	0.0	92.1	11.6	e

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

## Bilirubin total Neo

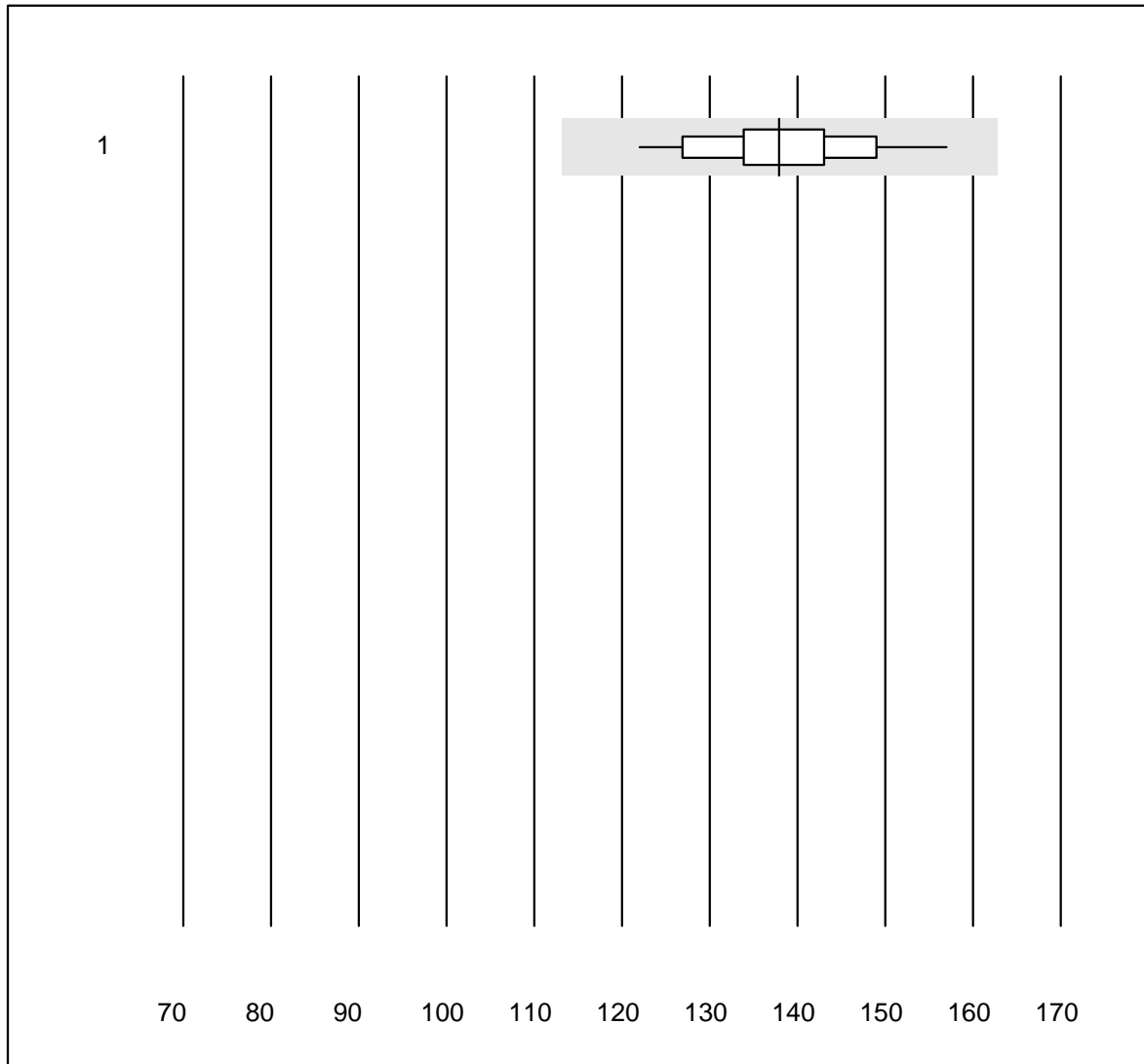


QUALAB tolerance : 18 %

Bilirubin total Neo (µmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	all Participants	14	100.0	0.0	0.0	218	4.6	e
2	Dimension	5	100.0	0.0	0.0	256	3.5	e

## Bilirubin direct



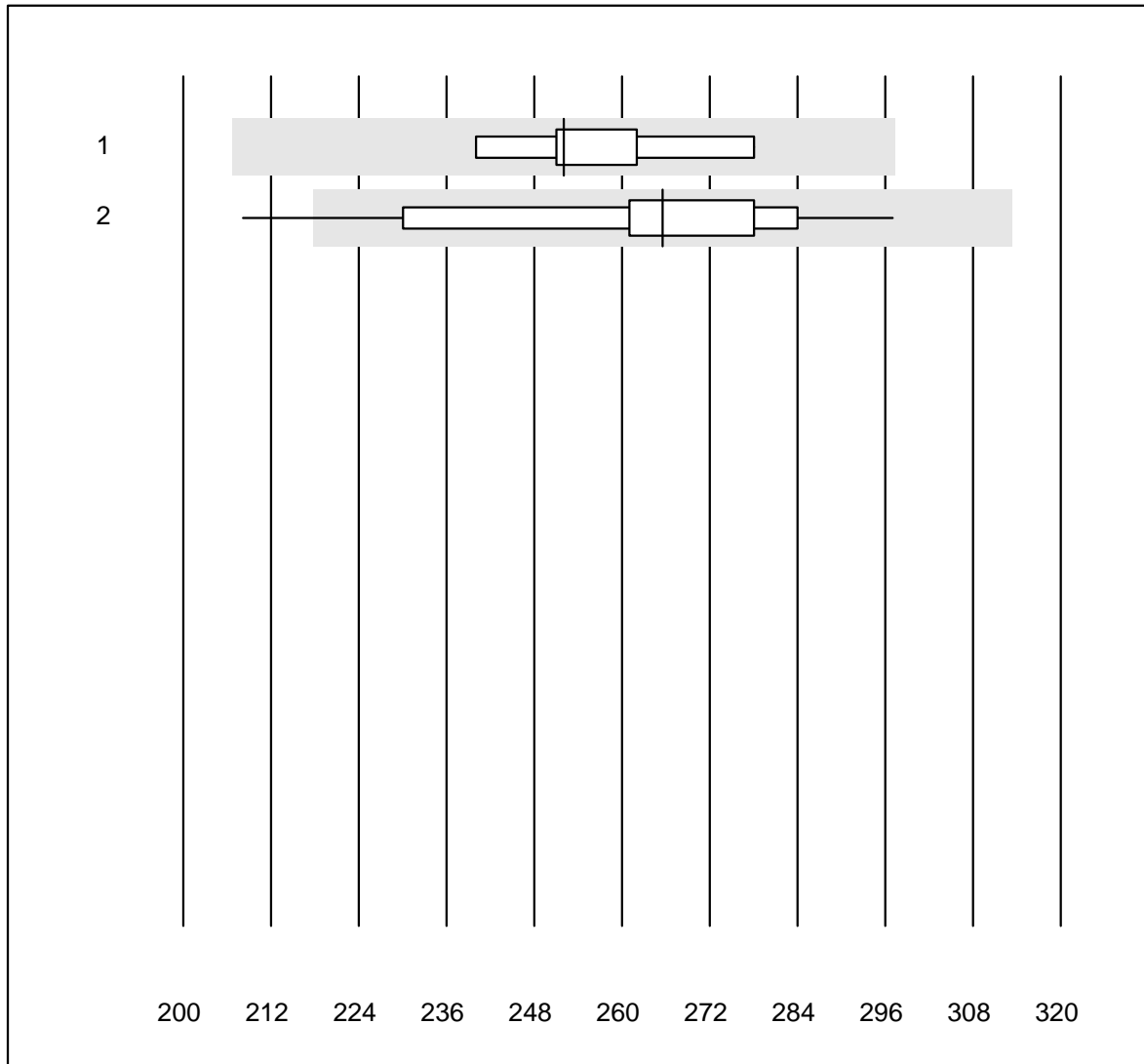
QUALAB tolerance : 18 %

Bilirubin direct (µmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	all Participants	22	100.0	0.0	0.0	138	6.6	e

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

## Bilirubin neonatal



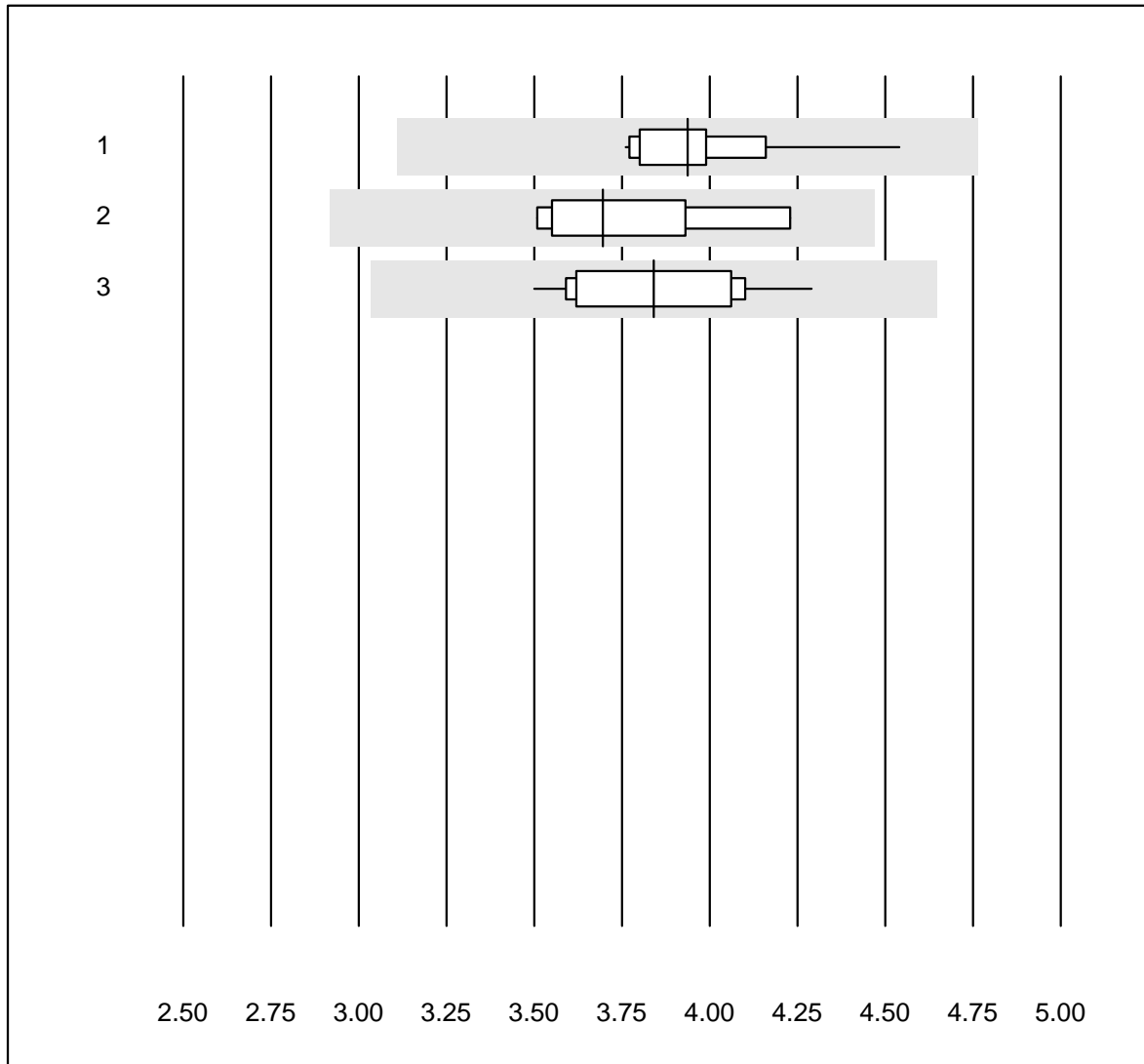
QUALAB tolerance : 18 %

Bilirubin neonatal (µmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	ABL700/800	9	100.0	0.0	0.0	252	4.6	e
2	Other methods	14	92.9	7.1	0.0	266	8.5	e*

# K14 Tumor Markers

## PSA



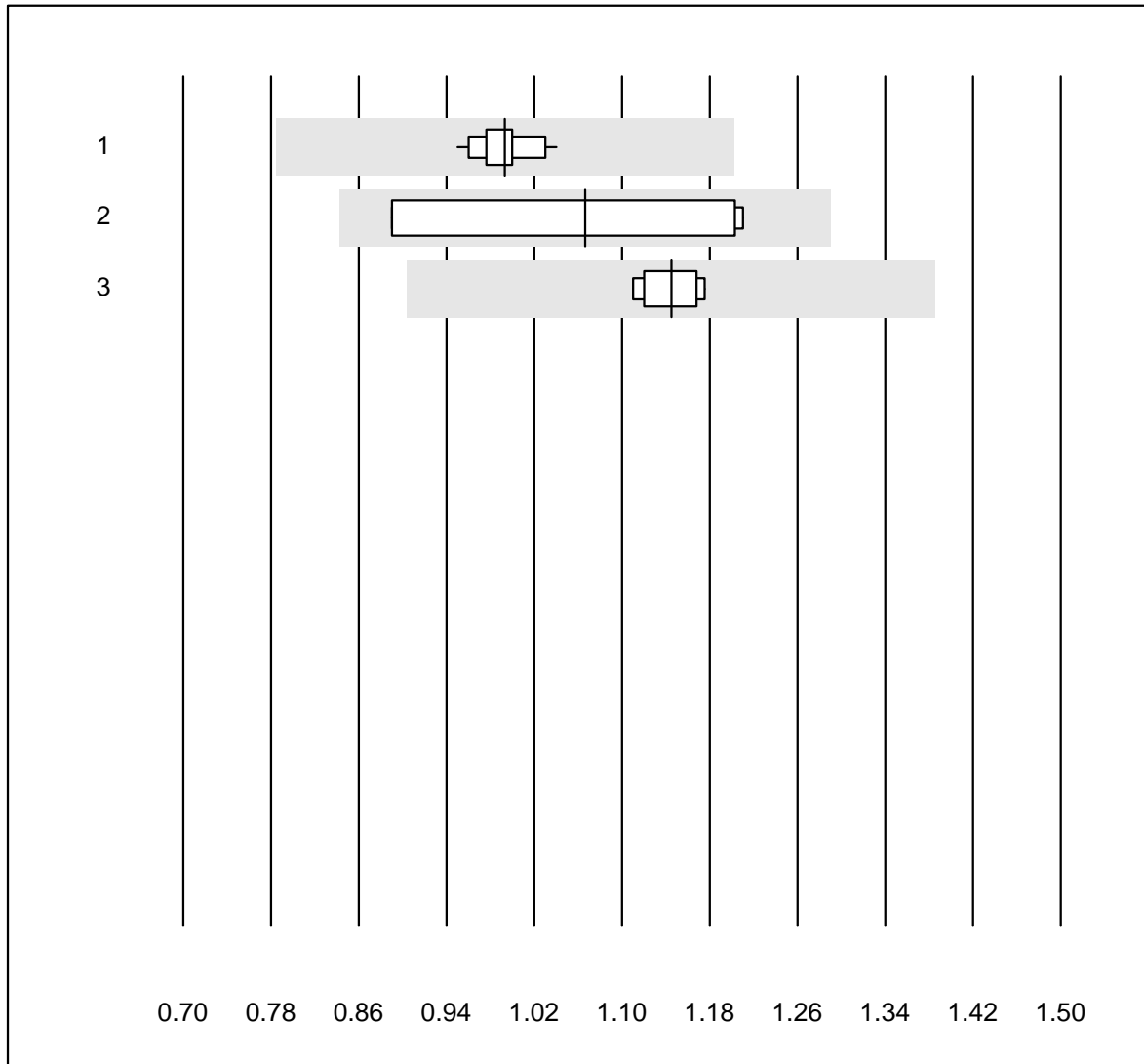
QUALAB tolerance : 21 %

PSA (µg/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas E / Elecsys	18	100.0	0.0	0.0	3.94	4.9	e
2	Abbott	8	100.0	0.0	0.0	3.70	6.5	e
3	AFIAS	12	100.0	0.0	0.0	3.84	6.7	e

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

### free PSA



QUALAB tolerance : 21 %

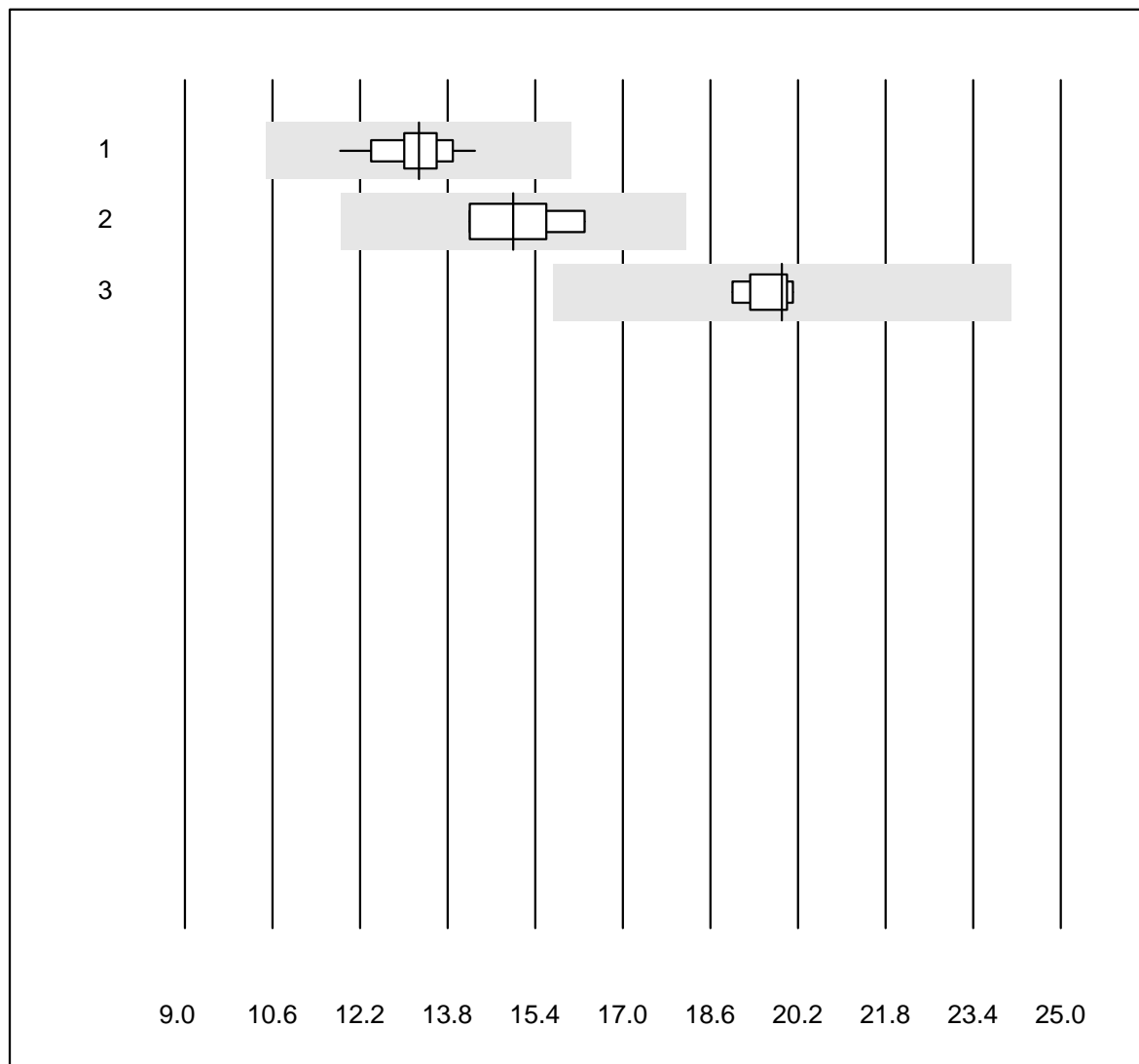
free PSA (µg/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas E / Elecsys	11	100.0	0.0	0.0	0.99	2.7	e
2	ADVIA Centaur XP/CP	4	100.0	0.0	0.0	1.07	16.3	e*
3	Abbott	6	100.0	0.0	0.0	1.15	2.3	e

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



# CEA



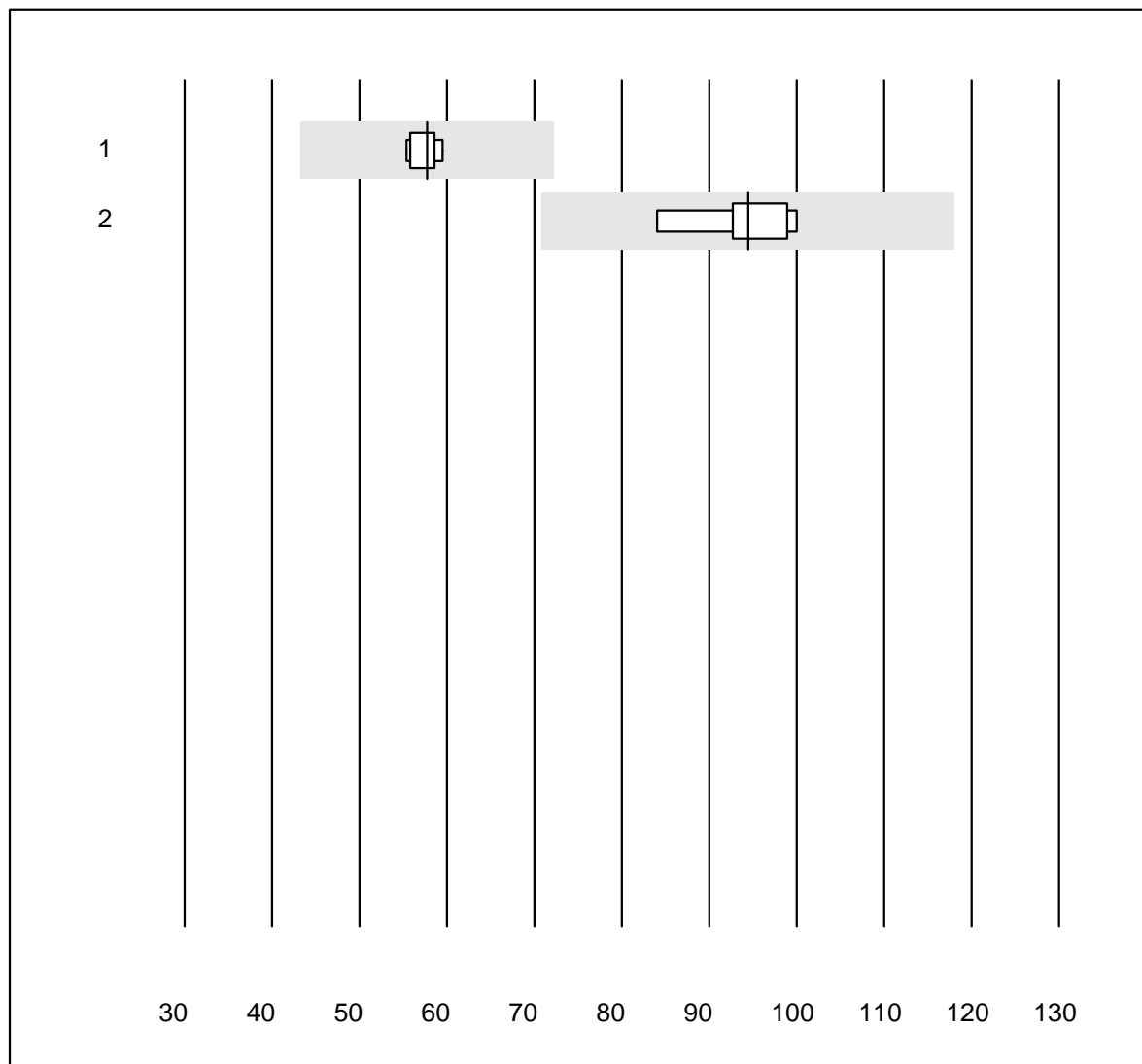
QUALAB tolerance : 21 %

CEA (µg/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas E / Elecsys	12	100.0	0.0	0.0	13.3	5.1	e
2	ADVIA Centaur XP/CP	4	100.0	0.0	0.0	15.0	6.6	e*
3	Abbott	7	100.0	0.0	0.0	19.9	2.1	e

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

# CA 125



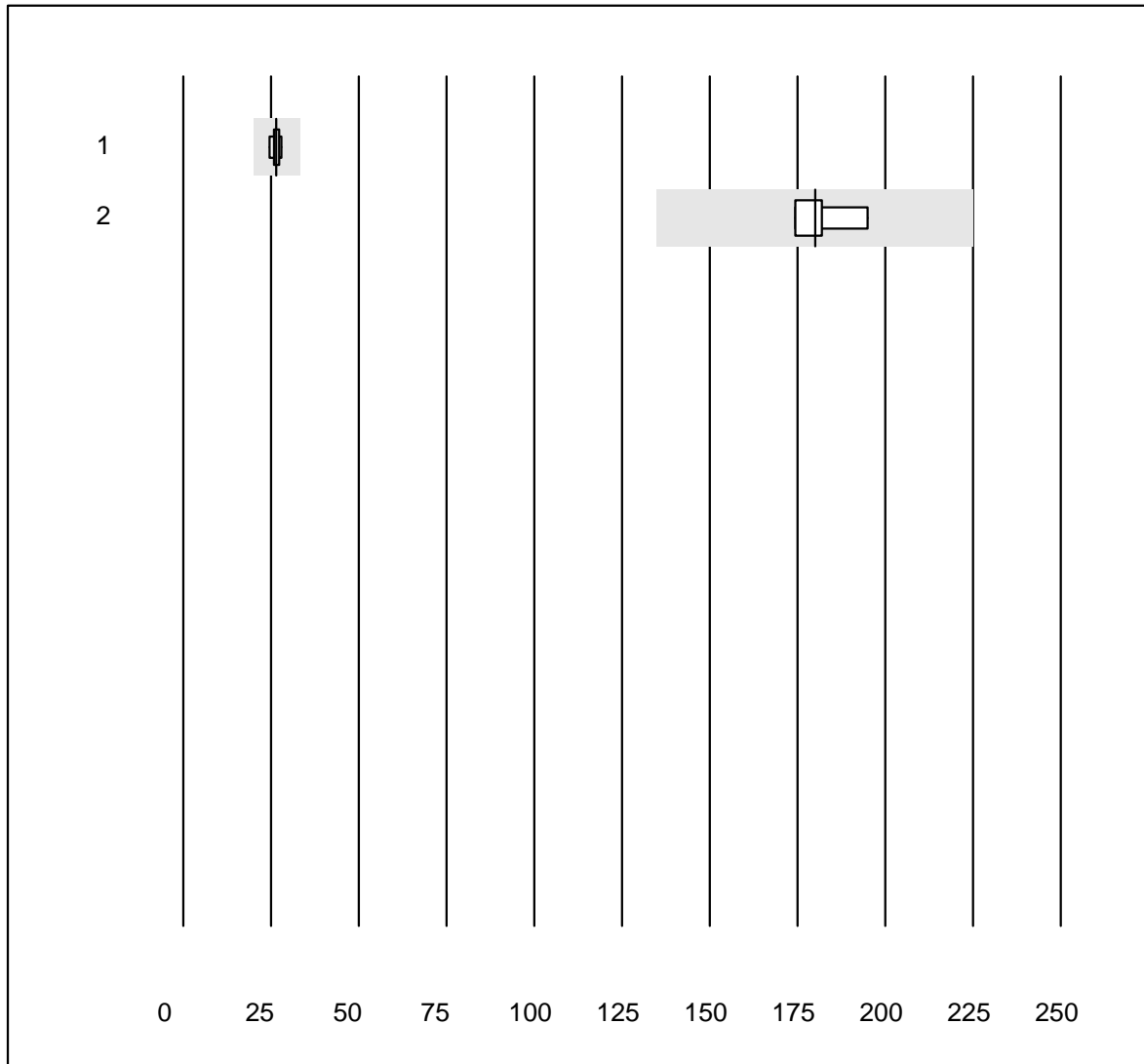
MQ tolerance : 25 %

CA 125 (kIU/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas E / Elecsys	8	100.0	0.0	0.0	57.8	2.6	e
2	Abbott	6	100.0	0.0	0.0	94.5	6.1	e

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

## CA 19-9



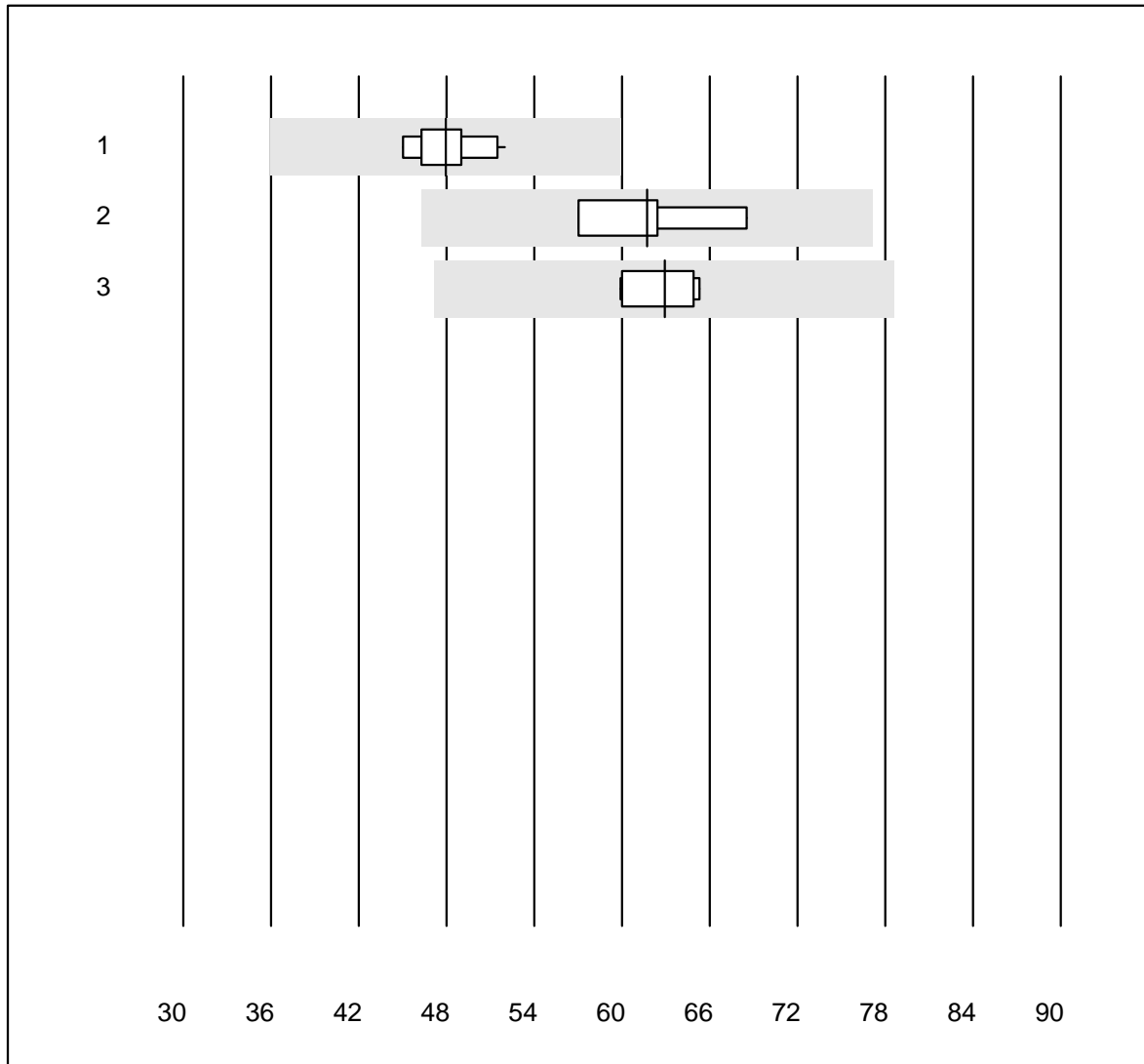
MQ tolerance : 25 %

CA 19-9 (kIU/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas E / Elecsys	7	100.0	0.0	0.0	26.5	4.4	e
2	Abbott	4	100.0	0.0	0.0	180.0	5.0	e

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

## CA 15-3



MQ tolerance : 25 %

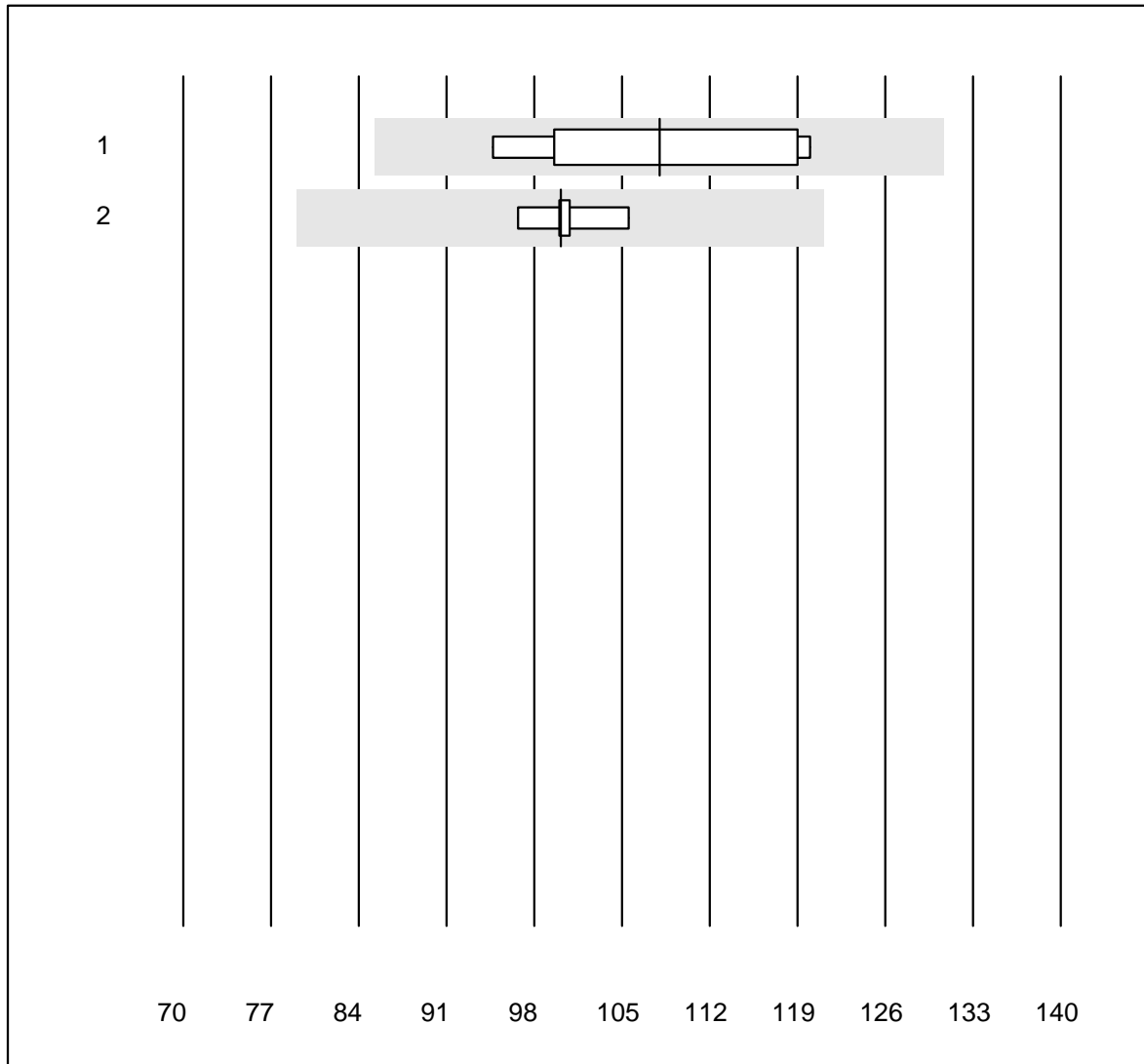
CA 15-3 (kIU/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas E / Elecsys	10	100.0	0.0	0.0	47.9	4.9	e
2	ADVIA Centaur XP/CP	4	100.0	0.0	0.0	61.7	7.7	e*
3	Abbott	6	100.0	0.0	0.0	62.9	3.9	e

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

# K14 Tumor Markers

## AFP



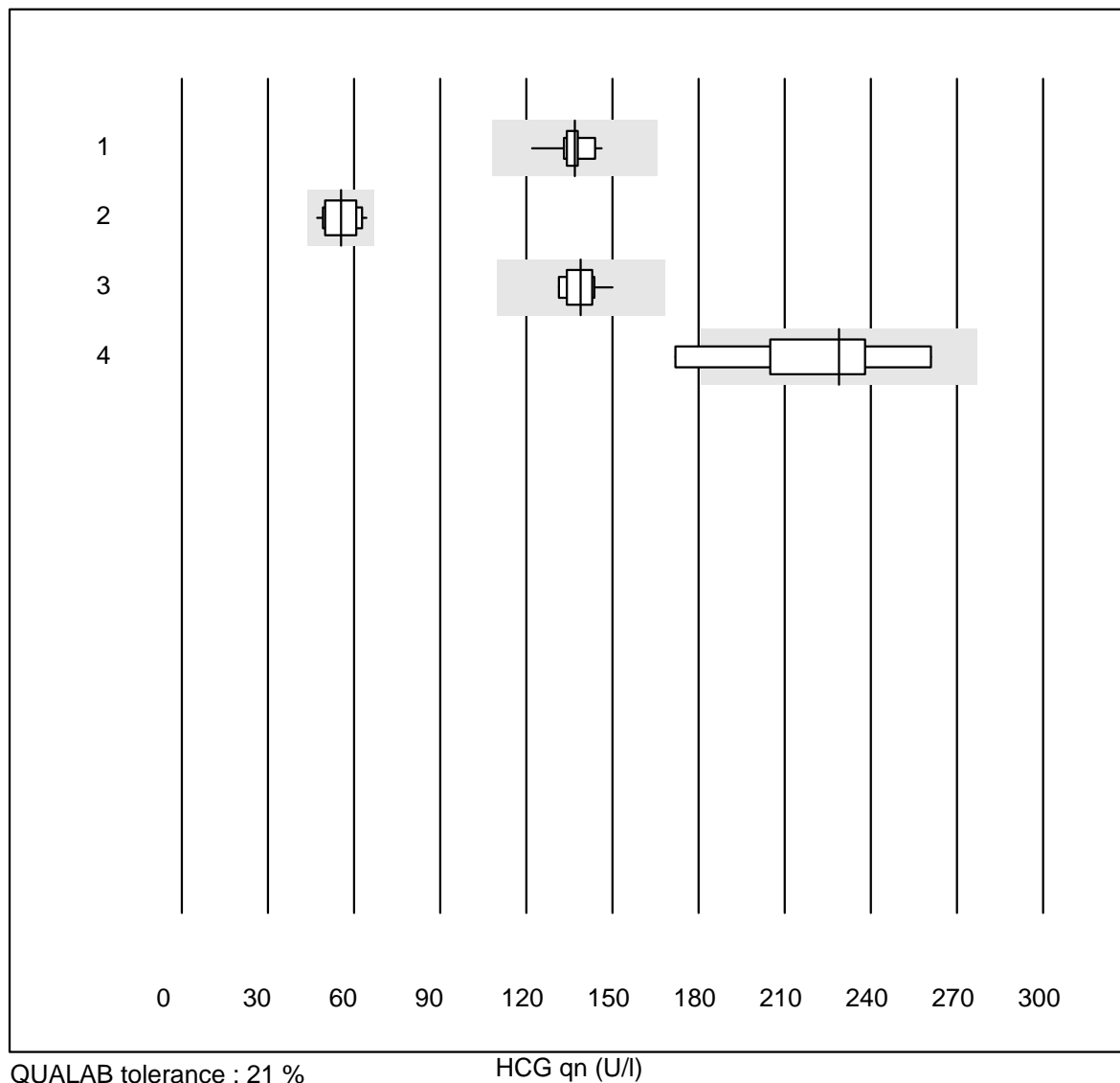
QUALAB tolerance : 21 %

AFP (µg/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas E / Elecsys	7	100.0	0.0	0.0	108.0	9.5	e*
2	Abbott	5	100.0	0.0	0.0	100.1	3.1	e

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

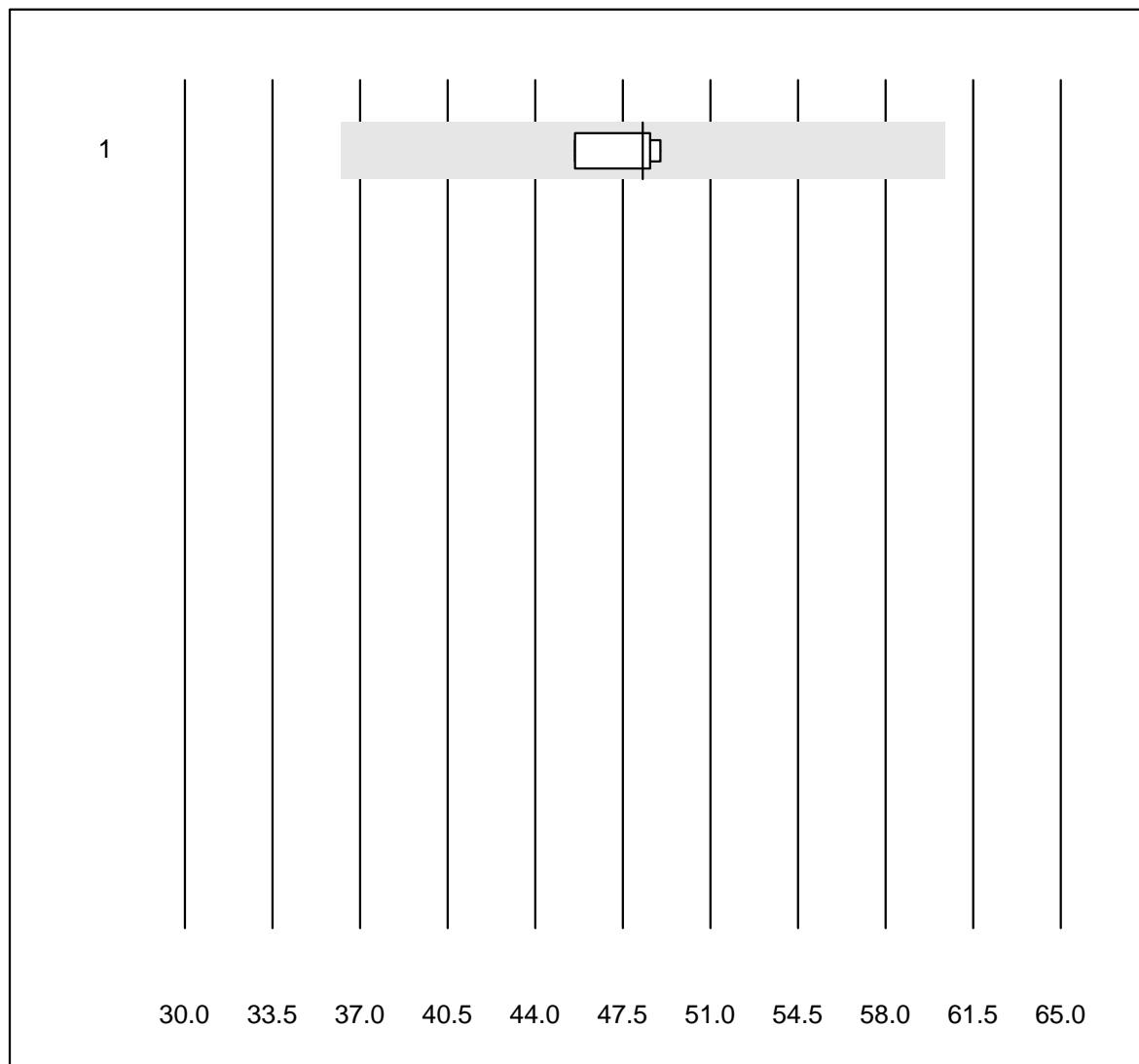
### HCG qn



No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas E / Elecsys	16	100.0	0.0	0.0	137.0	4.0	e
2	VIDAS	11	100.0	0.0	0.0	55.4	10.3	e*
3	Abbott	10	100.0	0.0	0.0	138.9	4.2	e
4	AFIAS	9	88.9	11.1	0.0	229.0	12.0	e*

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

### HCG intact

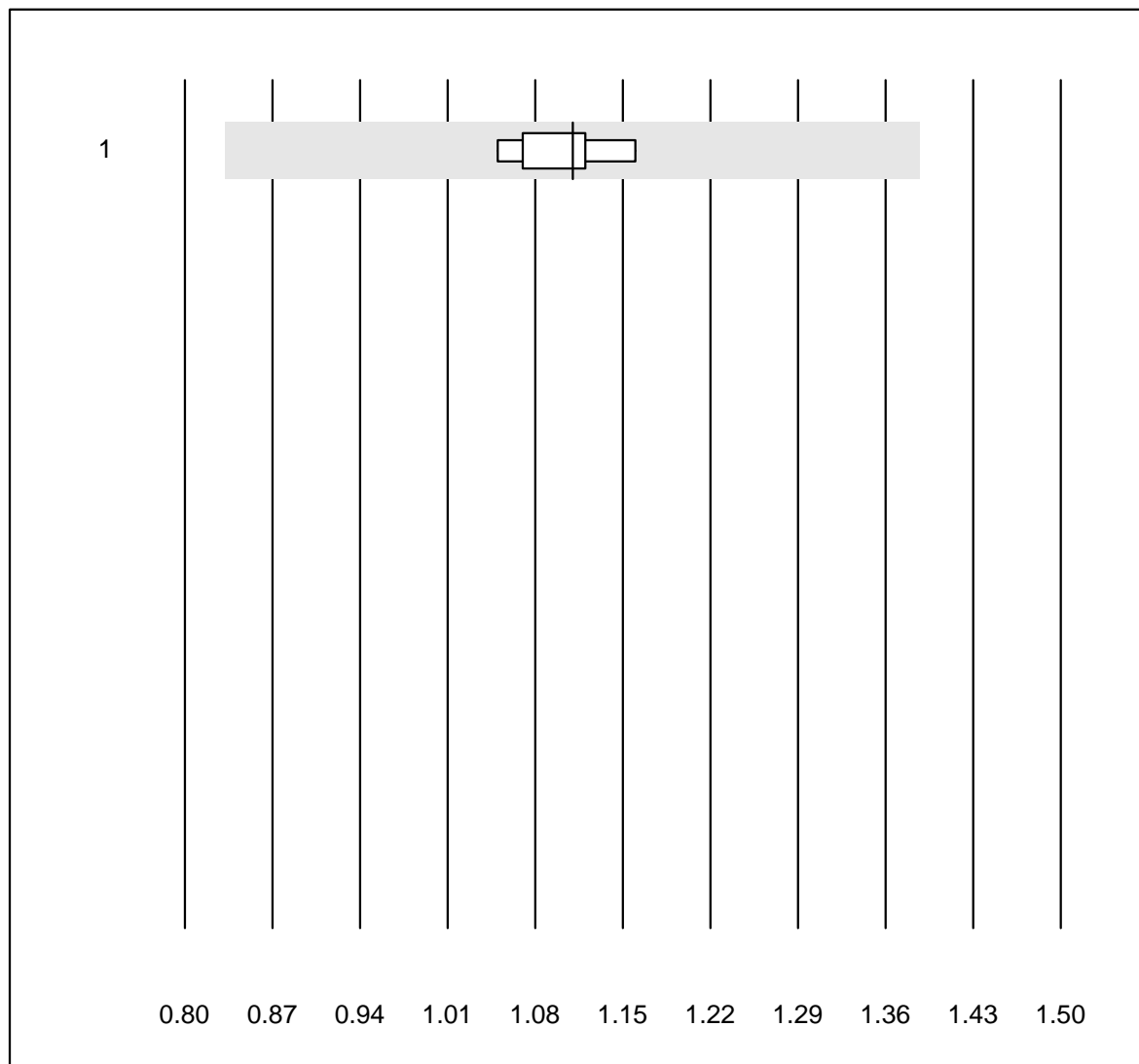


QUALAB tolerance : 25 %

HCG intact (U/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 Cobas	4	100.0	0.0	0.0	48.3	3.2	e

# S100



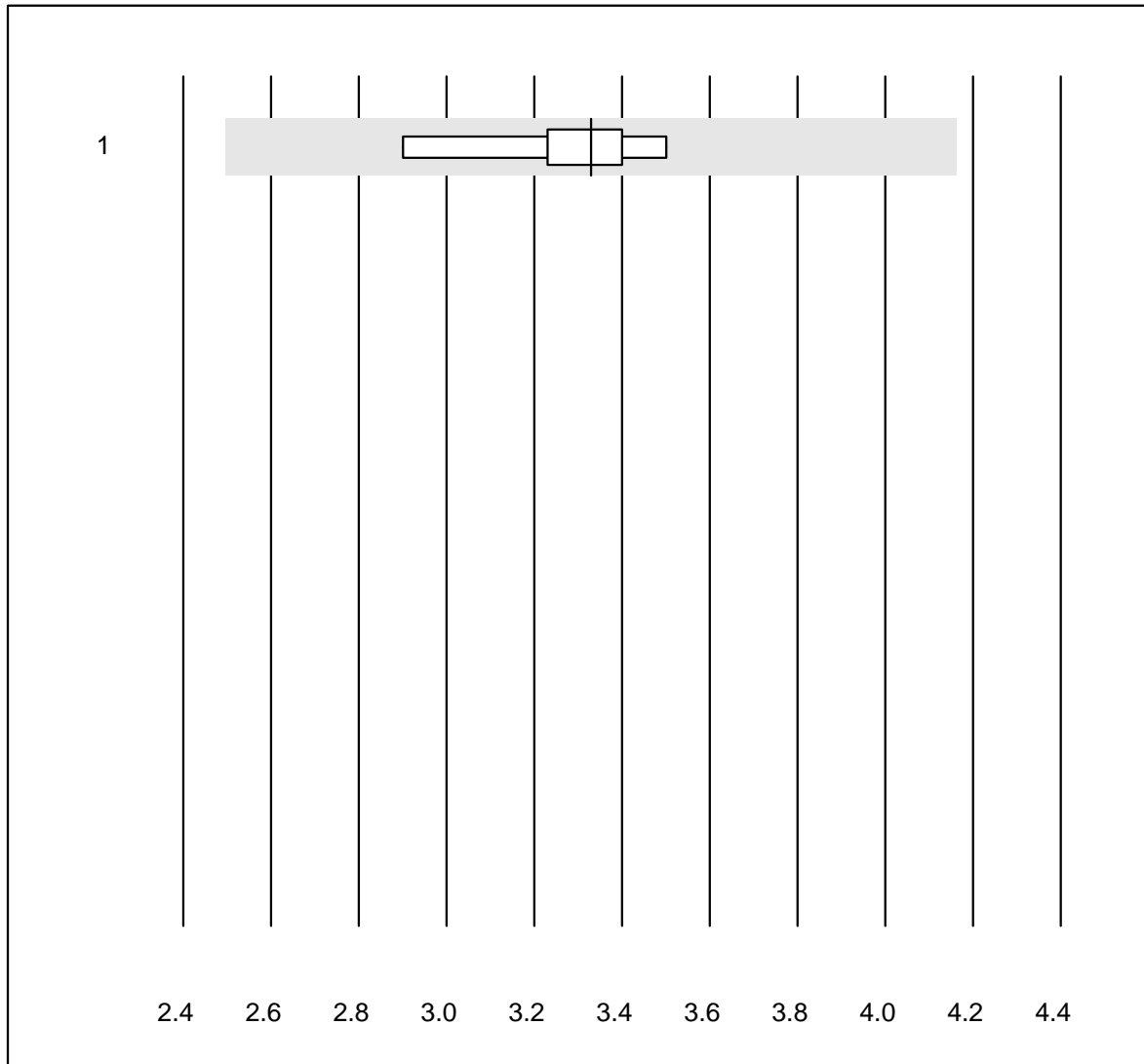
MQ tolerance : 25 %

S100 (µg/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 Cobas	6	100.0	0.0	0.0	1.11	3.6	e



# NSE



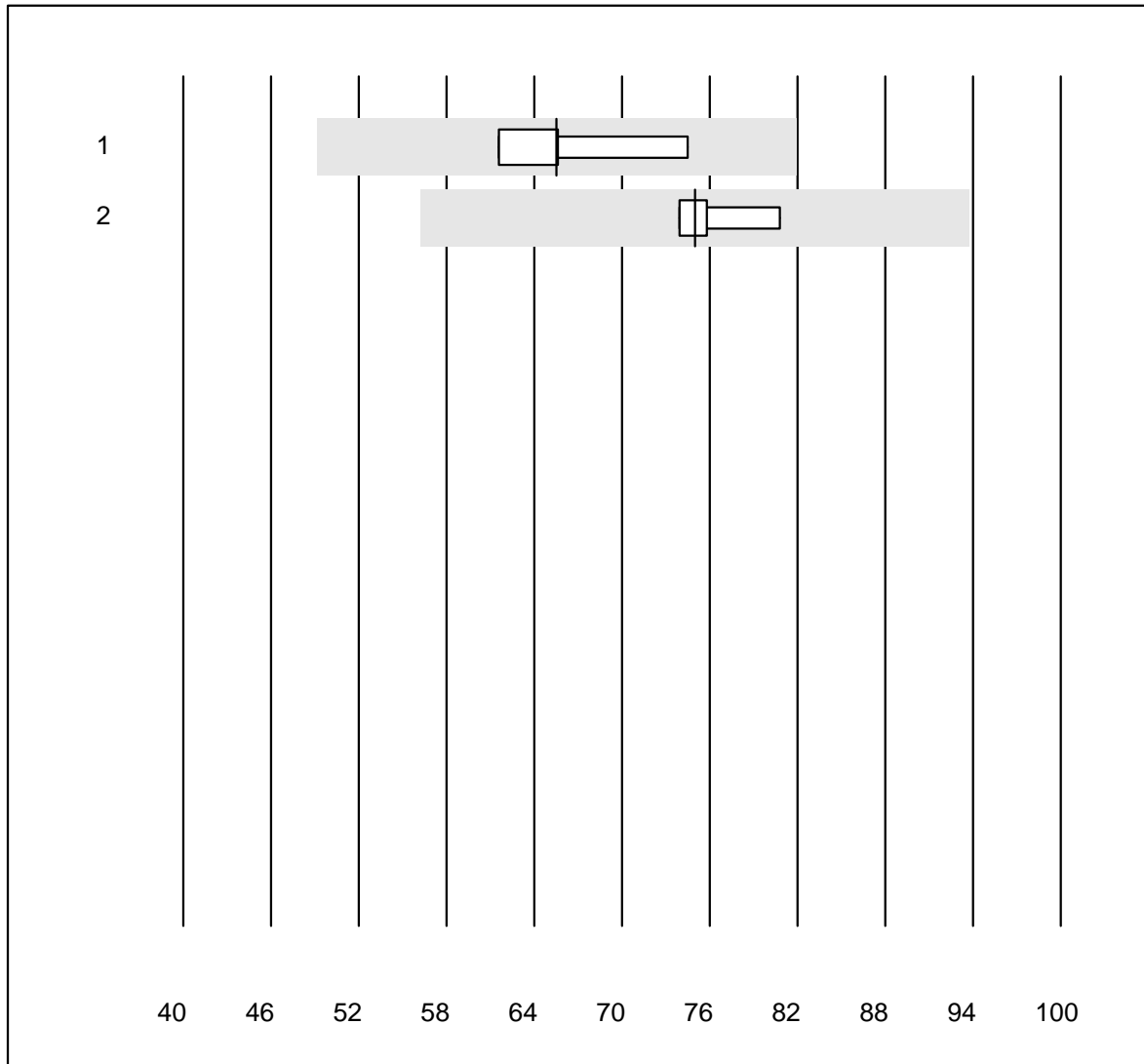
MQ tolerance : 25 %

NSE (ng/ml)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas	5	100.0	0.0	0.0	3.3	7.0	e*

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

# Thyreoglobulin

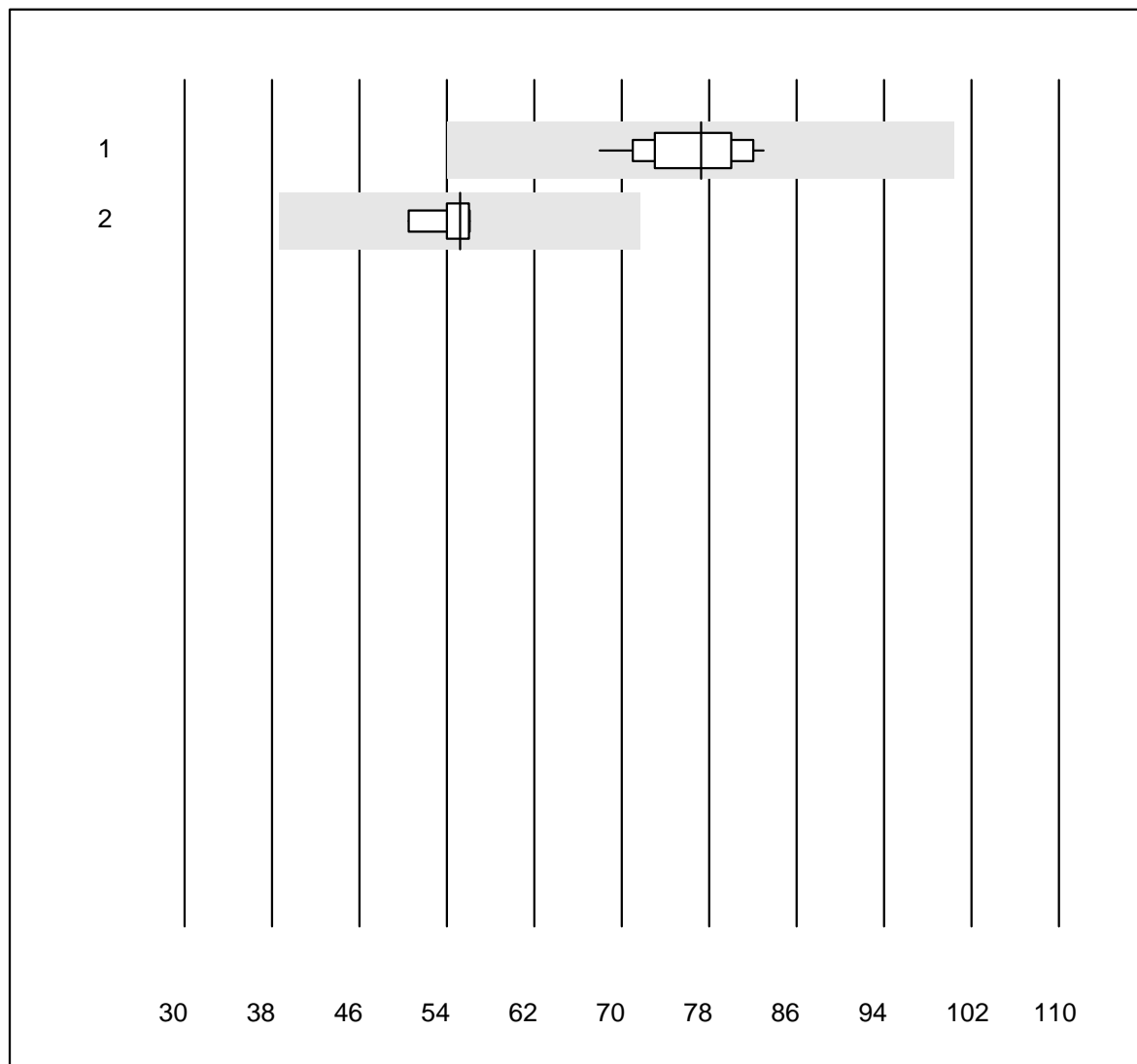


MQ tolerance : 25 %

Thyreoglobulin (µg/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas	4	100.0	0.0	0.0	65.5	8.2	e*
2	Other methods	4	100.0	0.0	0.0	75.0	4.2	e

## CK-MB



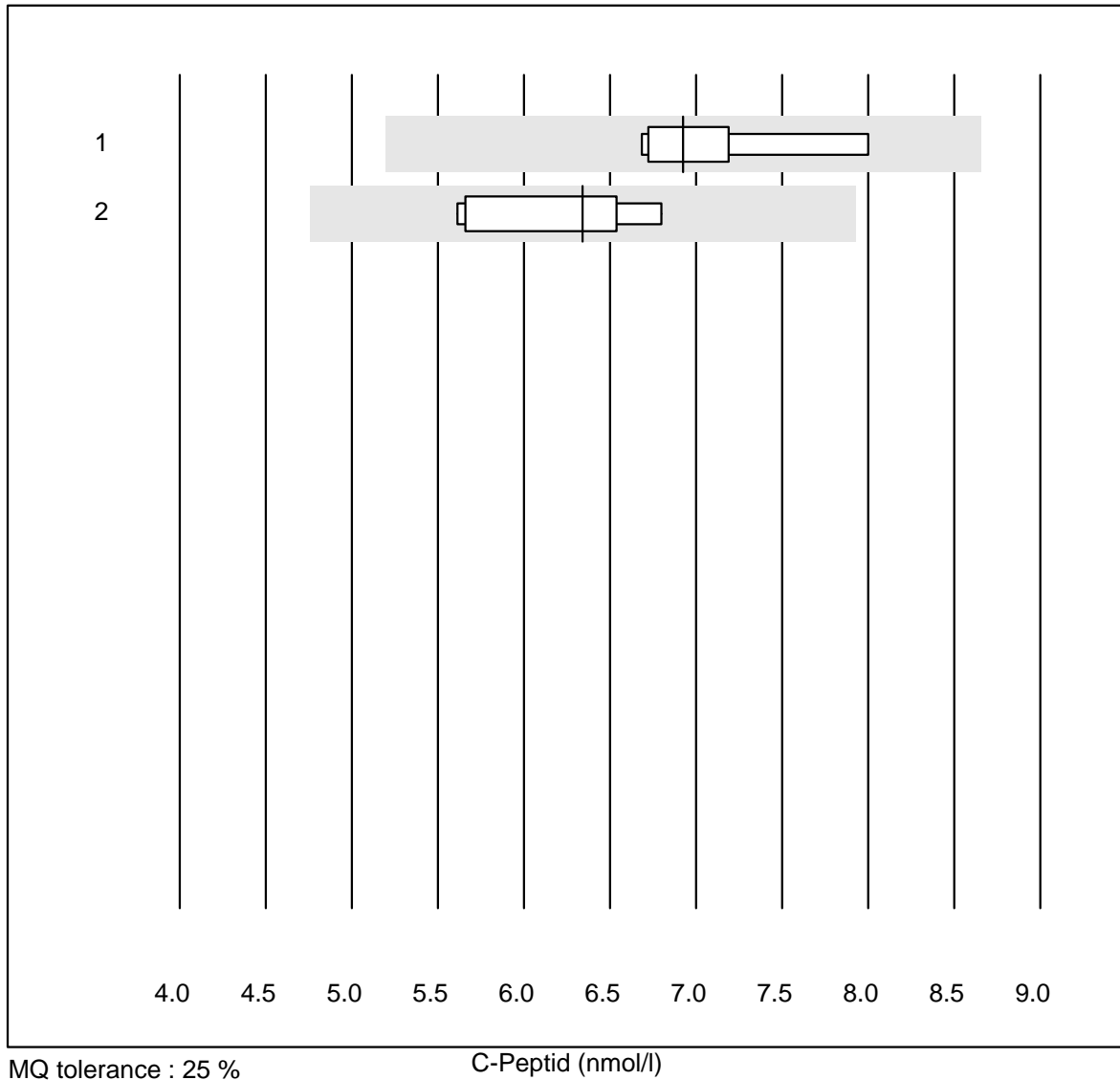
MQ tolerance : 30 %

CK-MB (U/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Fuji Dri-Chem	20	100.0	0.0	0.0	77.3	5.6	e
2	Cobas/Roche	7	100.0	0.0	0.0	55.2	3.6	e

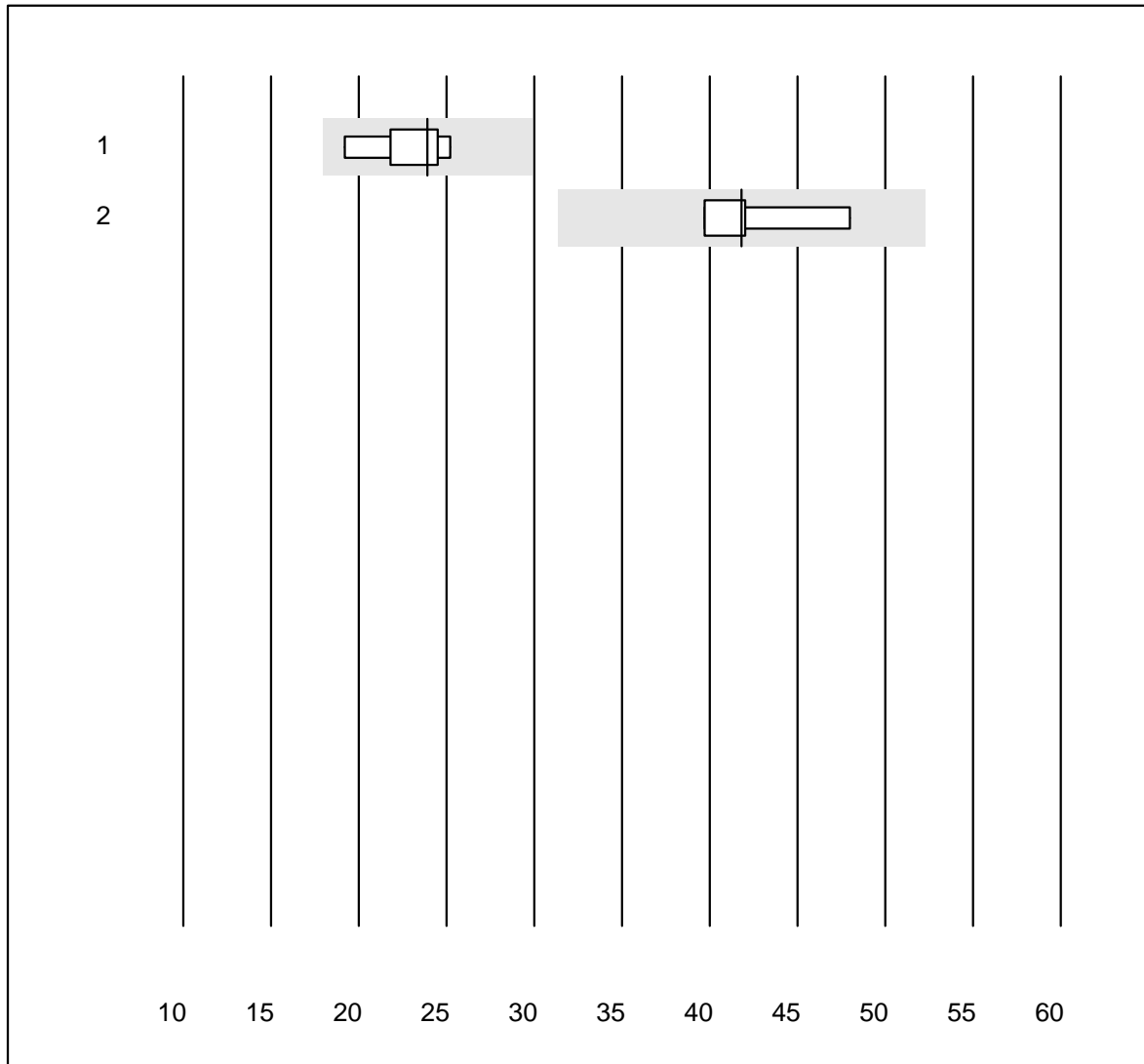
2 additional results were submitted but not published because the method groups were too small. (< results per group)

## C-Peptid



No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 Cobas	7	100.0	0.0	0.0	6.92	6.5	e
2 Other methods	5	100.0	0.0	0.0	6.34	8.6	e*

# ACTH

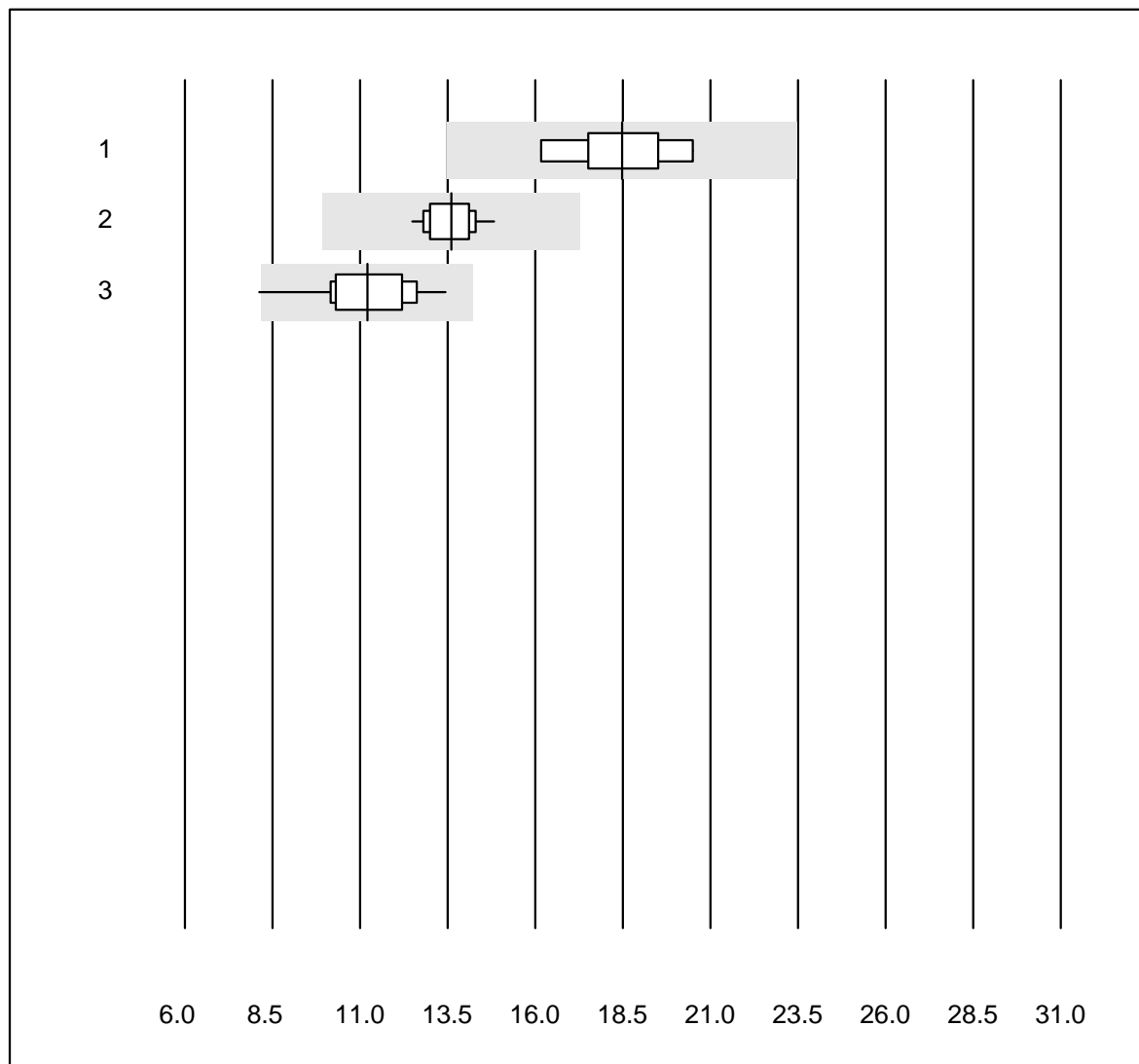


MQ tolerance : 25 %

ACTH (ng/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas	8	100.0	0.0	0.0	23.90	8.6	e*
2	Liaison	4	100.0	0.0	0.0	41.81	8.4	e*

## Procalcitonin



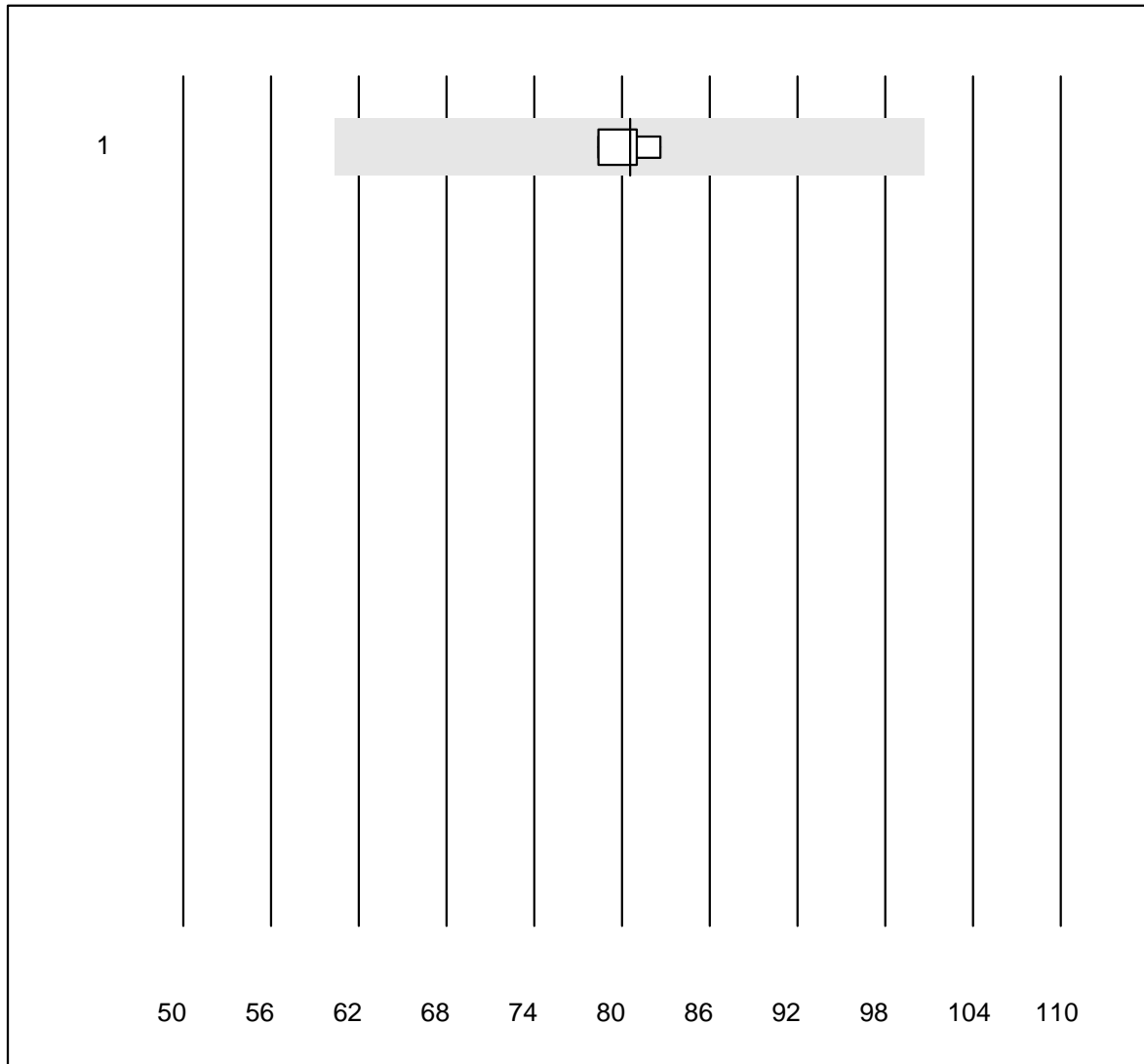
QUALAB tolerance : 27 %

Procalcitonin (µg/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	8	100.0	0.0	0.0	18.49	8.0	e
2	Cobas	19	100.0	0.0	0.0	13.61	4.4	e
3	VIDAS	15	86.6	6.7	6.7	11.20	12.2	e

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

# EPO



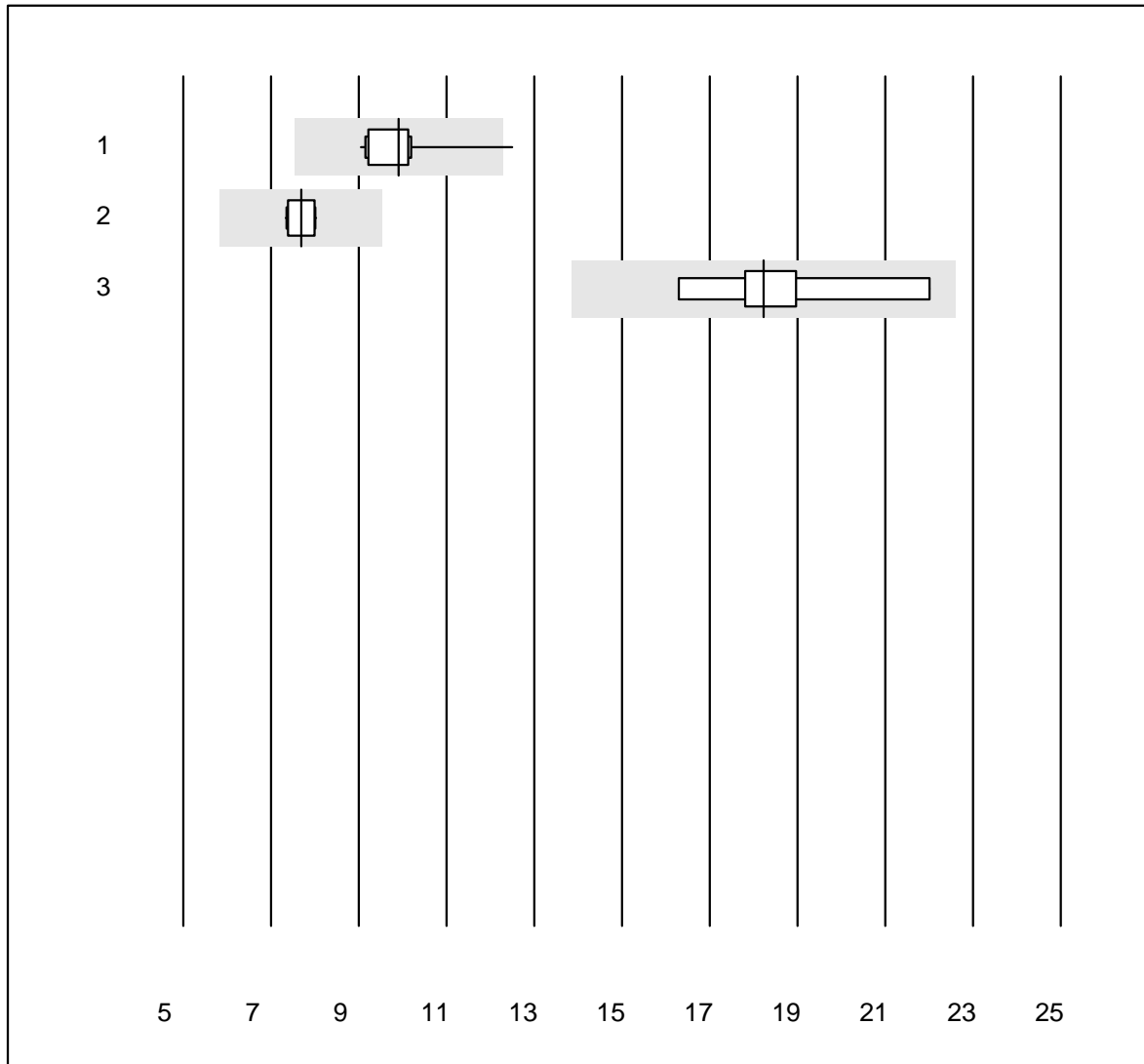
MQ tolerance : 25 %

EPO (U/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	all Participants	4	100.0	0.0	0.0	80.5	2.2	e

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

## Parathyroid hormone



QUALAB tolerance : 24 %

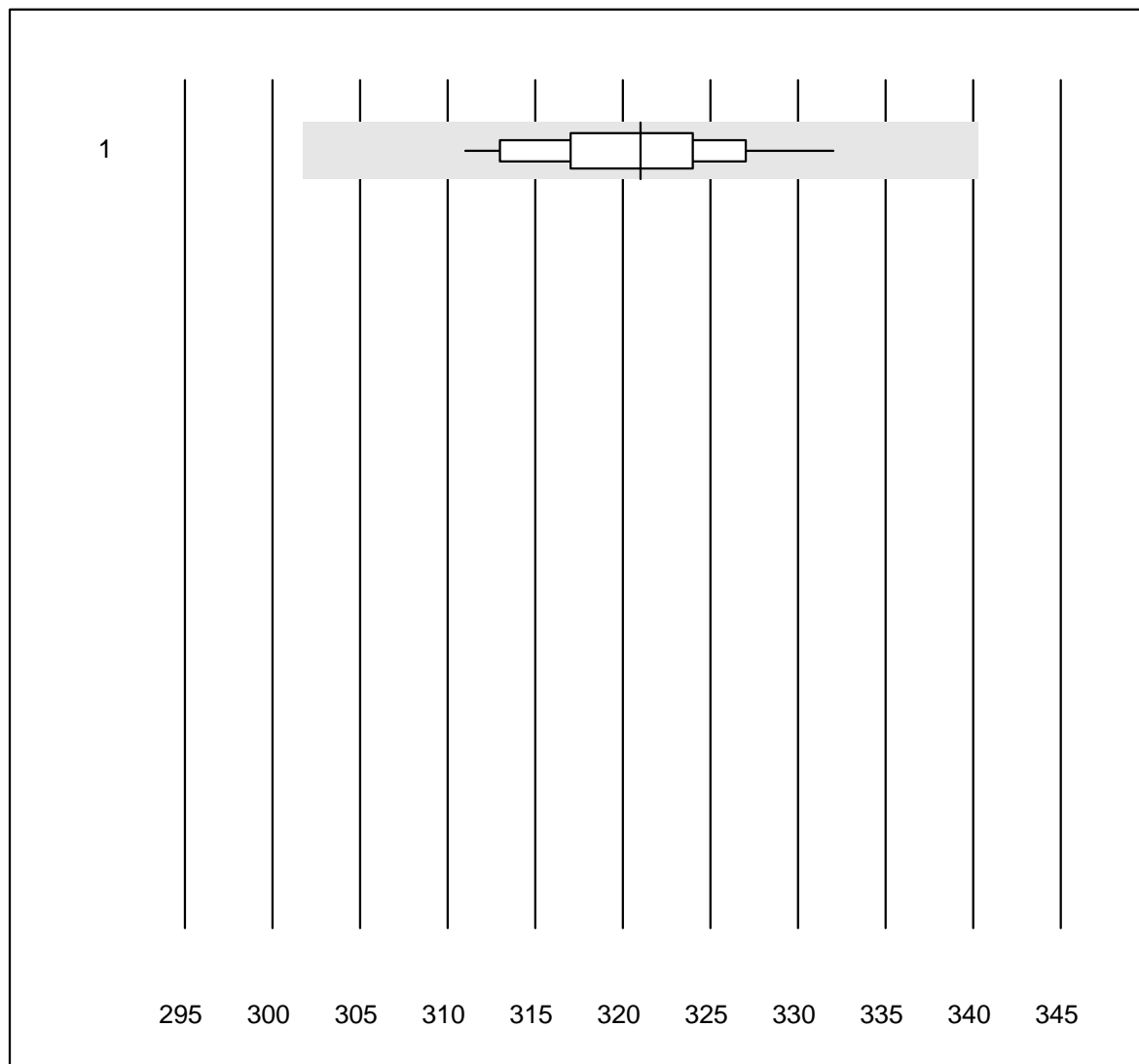
Parathyroid hormone (pmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas PTH STAT	11	90.9	9.1	0.0	9.9	9.7	e*
2	Cobas	11	100.0	0.0	0.0	7.7	3.6	e
3	Abbott	6	100.0	0.0	0.0	18.2	10.2	e*

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



# Osmolality

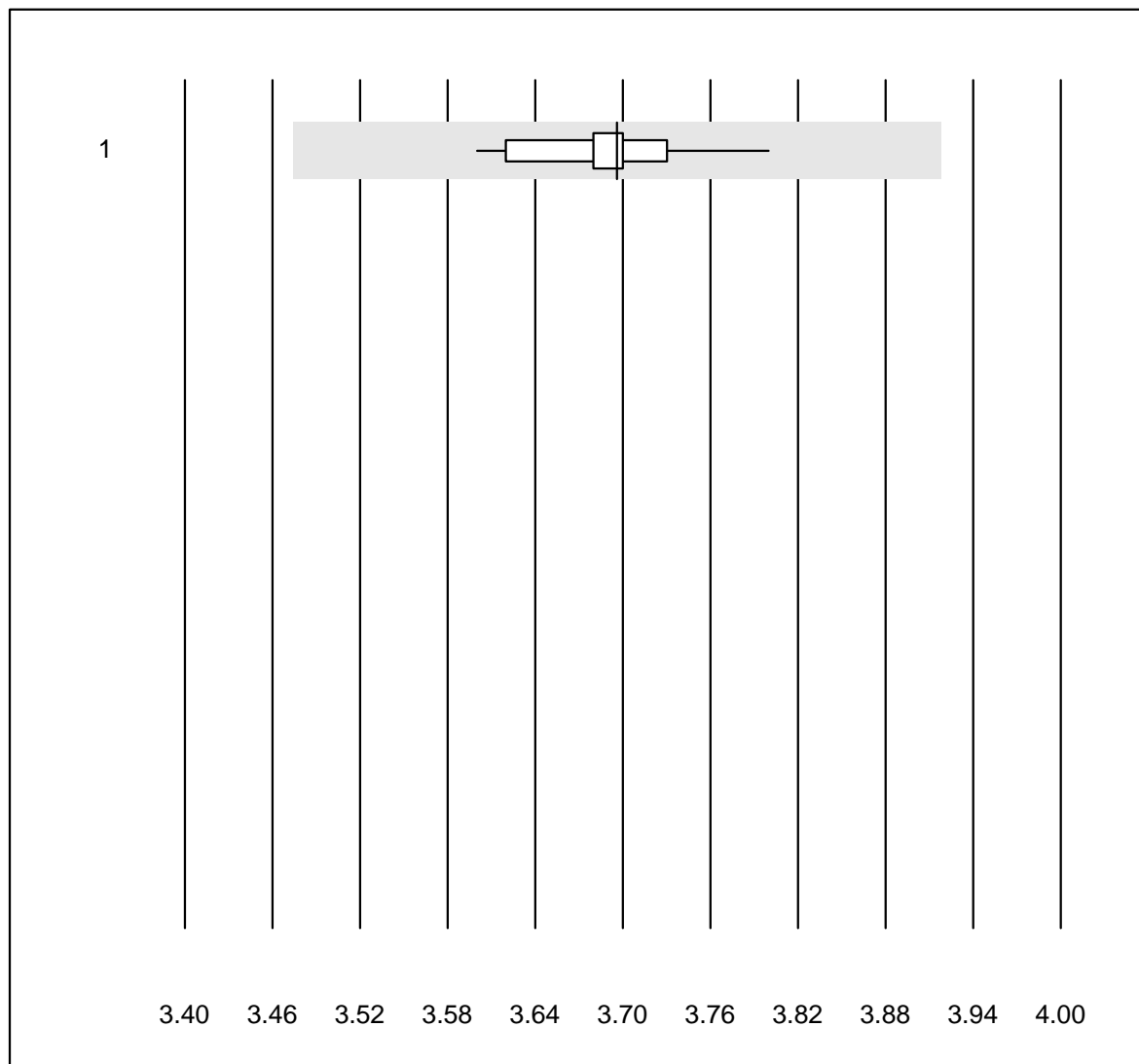


QUALAB tolerance : 6 %

Osmolality (mosm/kg)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 Cryoskopy	22	95.5	0.0	4.5	321	1.7	e

# Potassium-K22

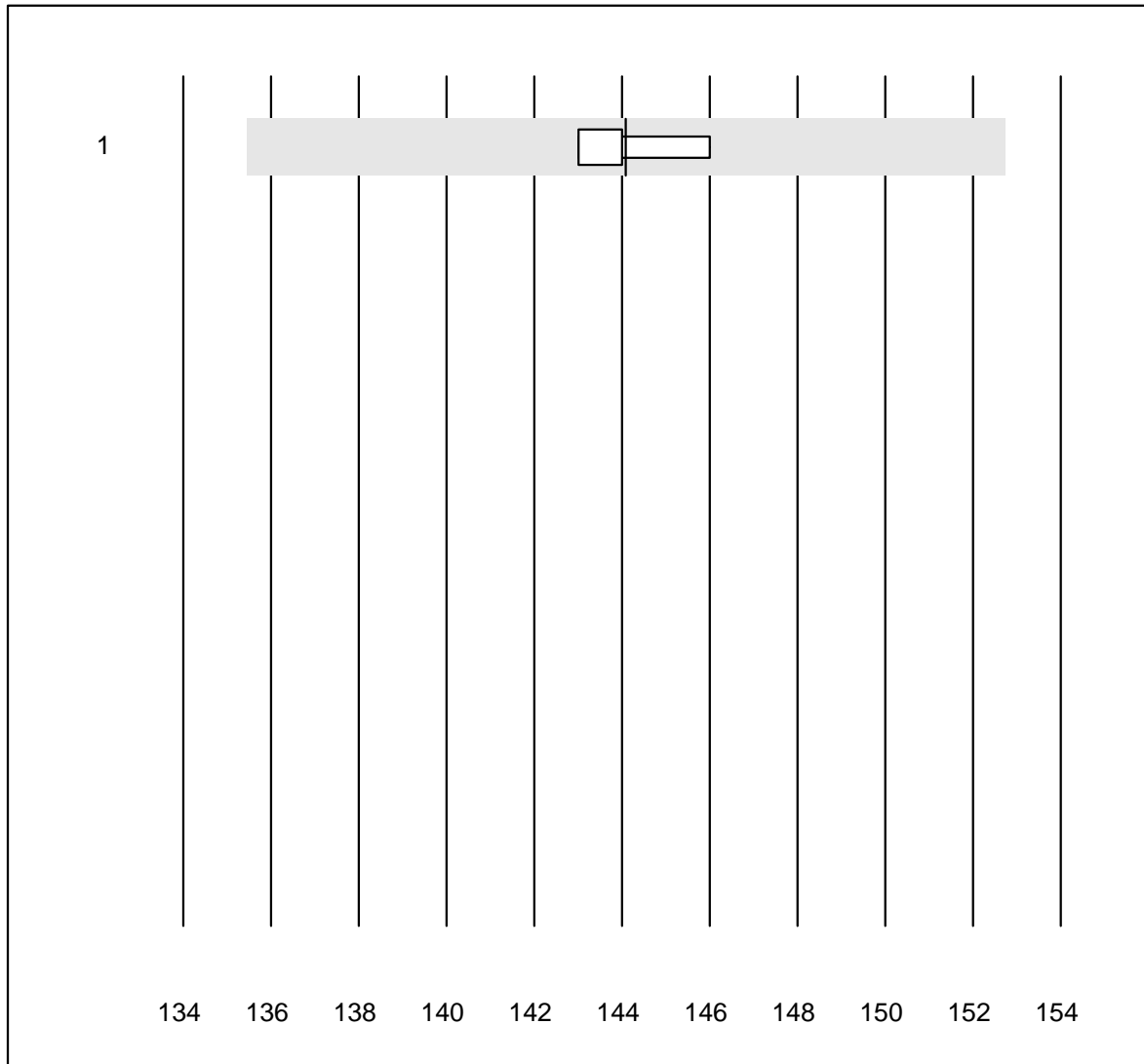


QUALAB tolerance : 6 %

Potassium-K22 (mmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	ISE	12	100.0	0.0	0.0	3.7	1.4	e

## Sodium-K22

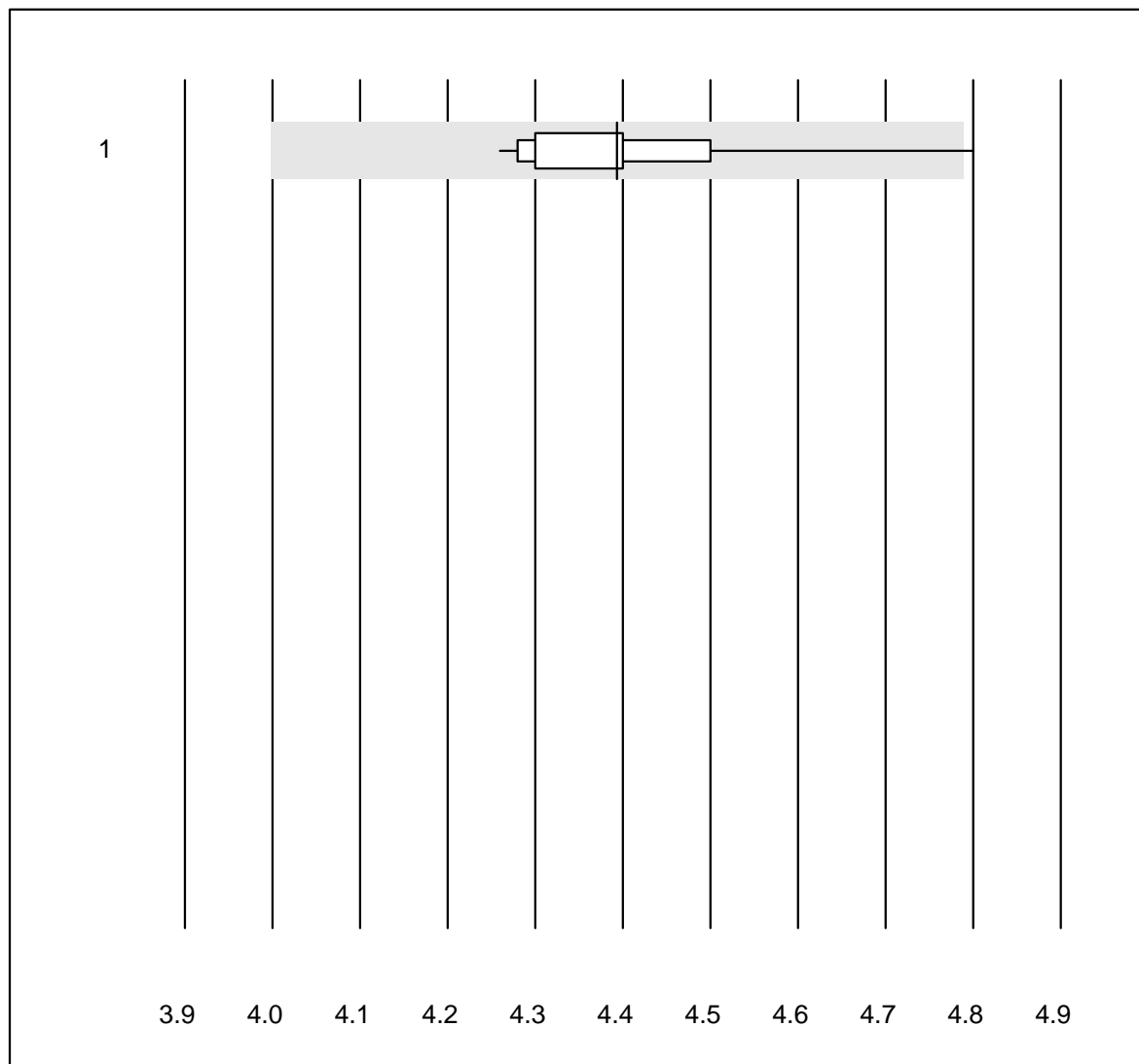


QUALAB tolerance : 6 %

Sodium-K22 (mmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	ISE	12	100.0	0.0	0.0	144	0.8	e

### Glucose-K22

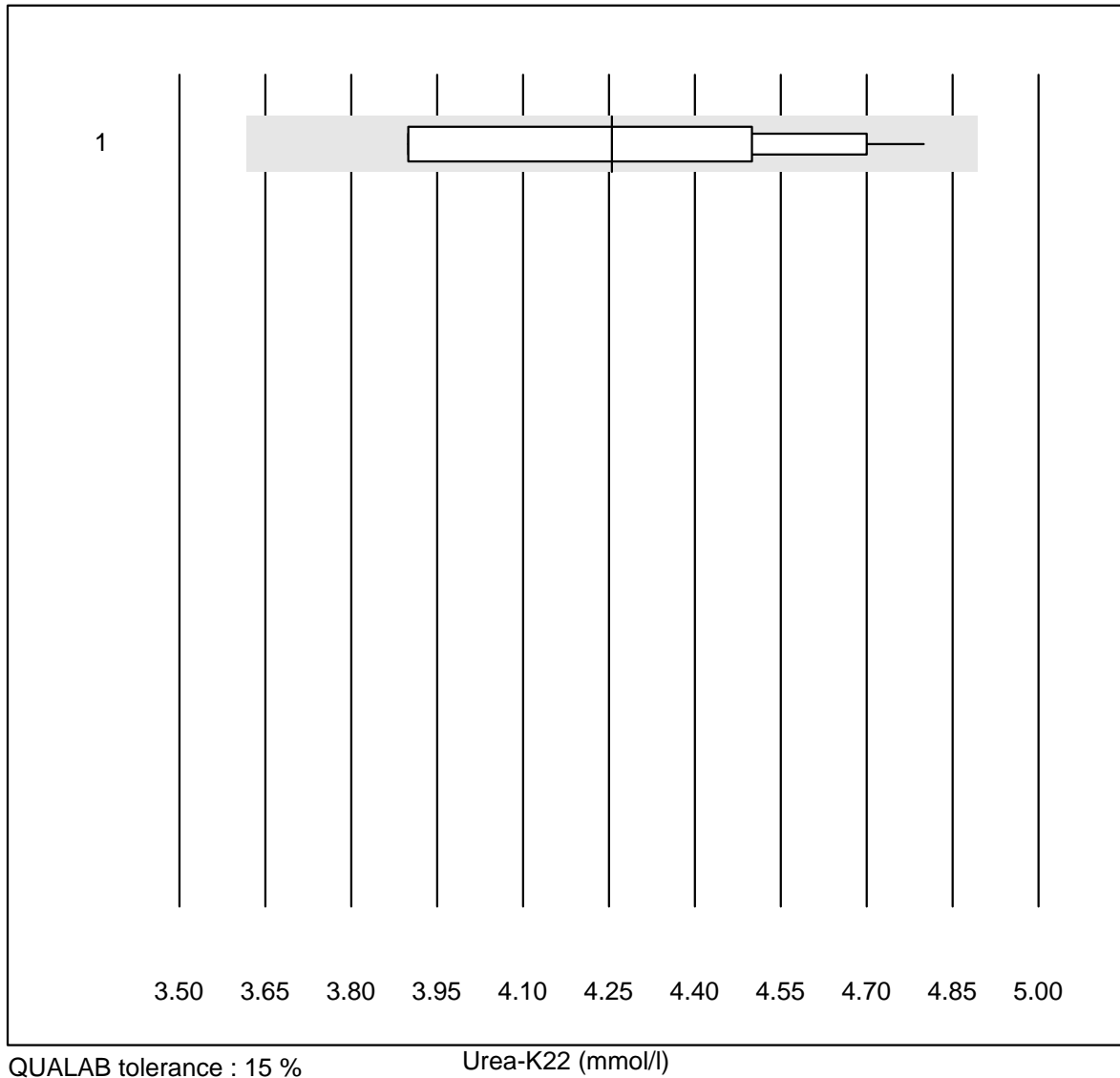


QUALAB tolerance : 9 %

Glucose-K22 (mmol/l)

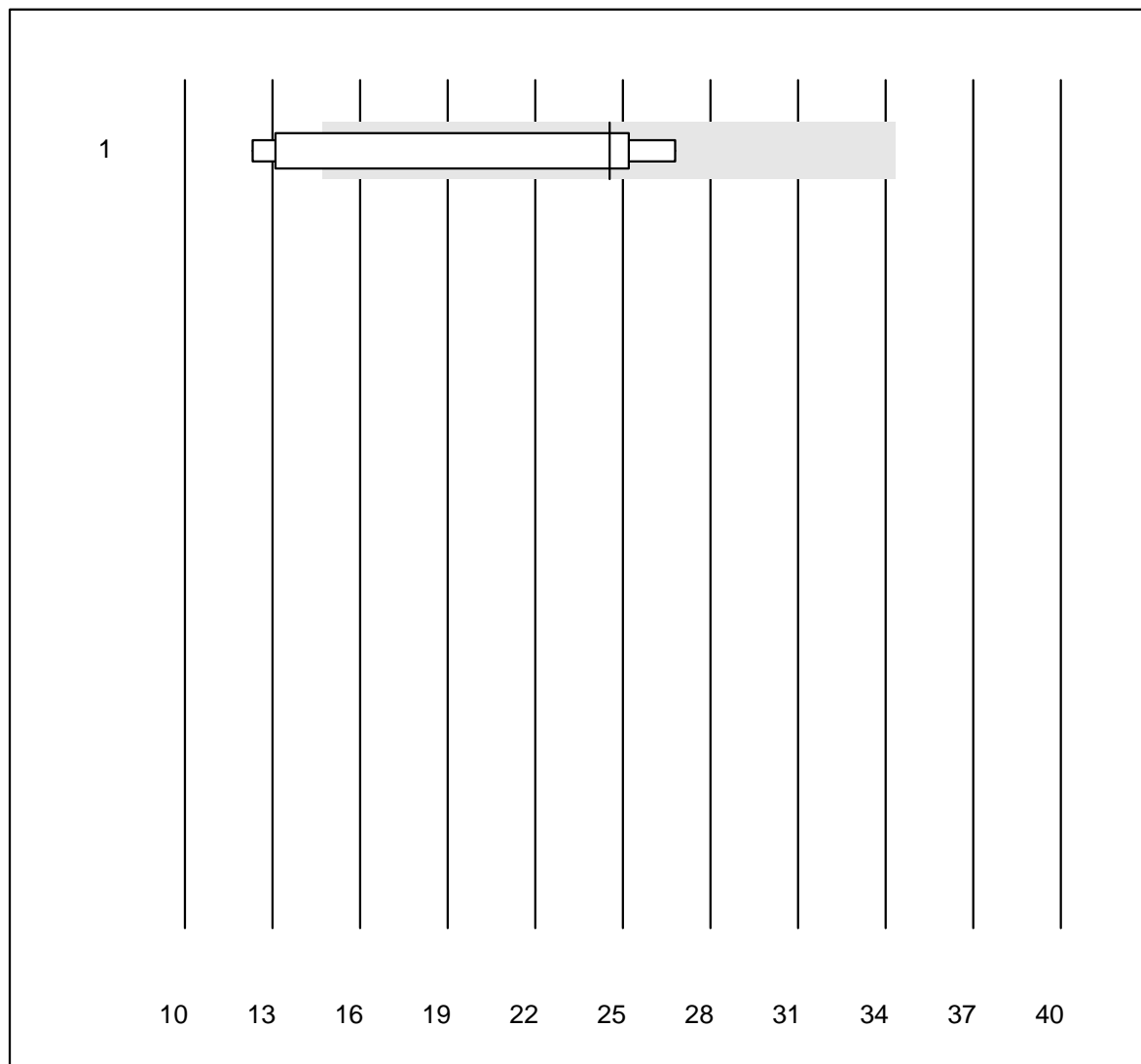
No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Standard chemistry	12	91.7	8.3	0.0	4.4	3.5	e

## Urea-K22



No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Standard chemistry	12	100.0	0.0	0.0	4.3	7.6	e*

## Osmotic Gap



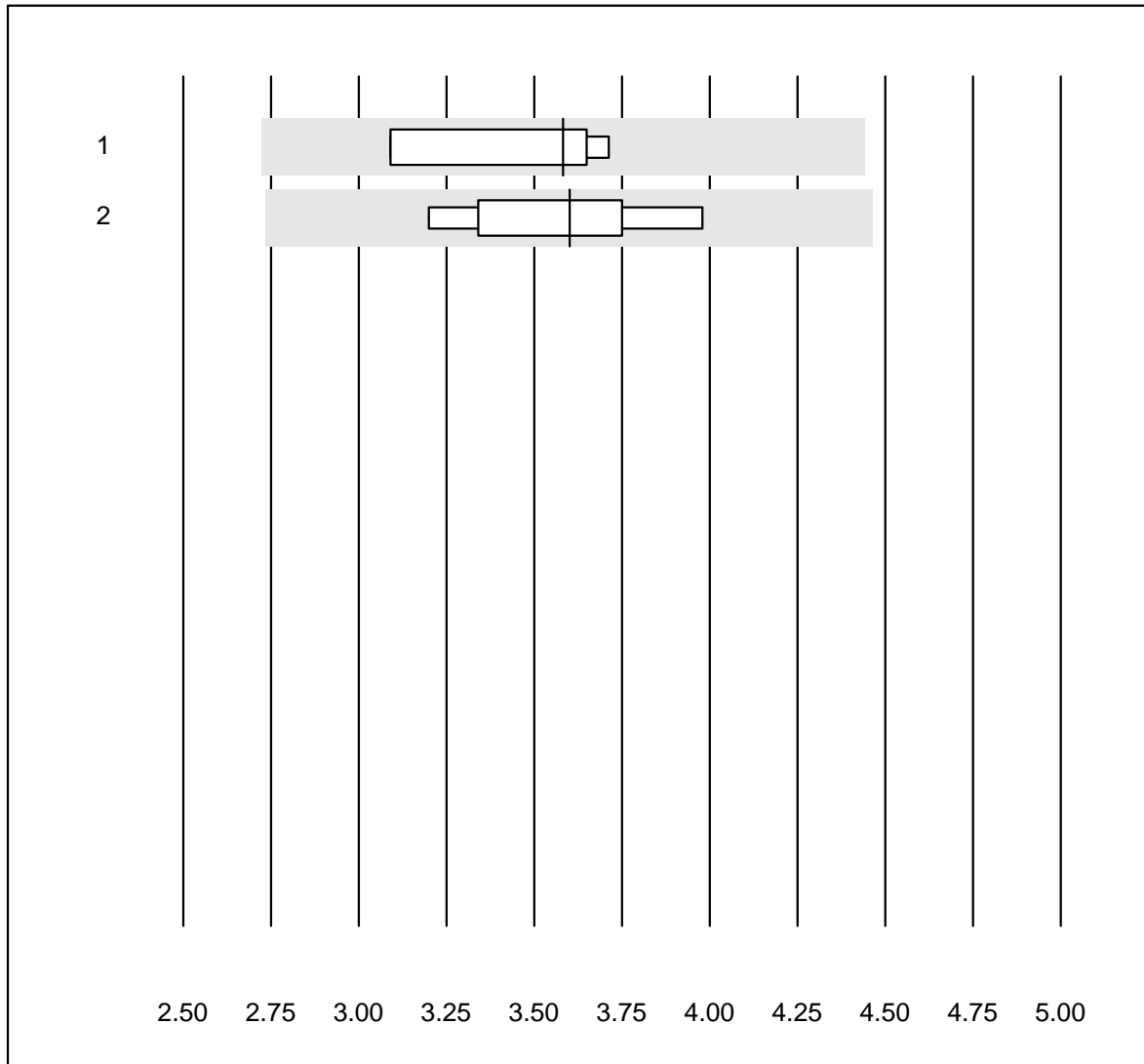
MQ tolerance : 40 %

Osmotic Gap (mmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Formel 1 (2Na+K+Glu+	10	60.0	30.0	10.0	24.5	29.7	a

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

# Digoxin

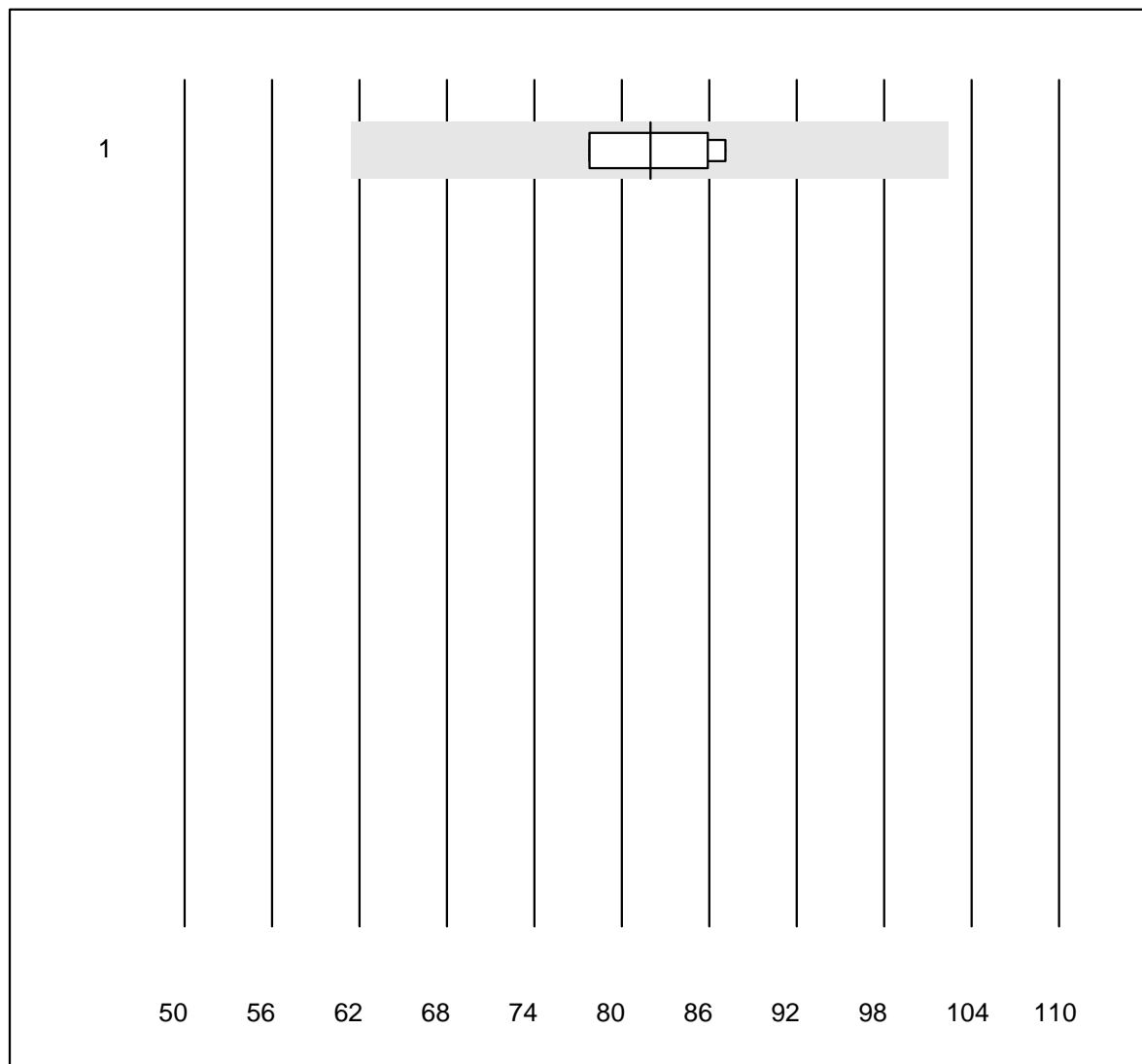


QUALAB tolerance : 24 %

Digoxin (nmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Alinity	4	100.0	0.0	0.0	3.58	8.0	e*
2	Other methods	8	100.0	0.0	0.0	3.60	7.6	e

# Phenytoin



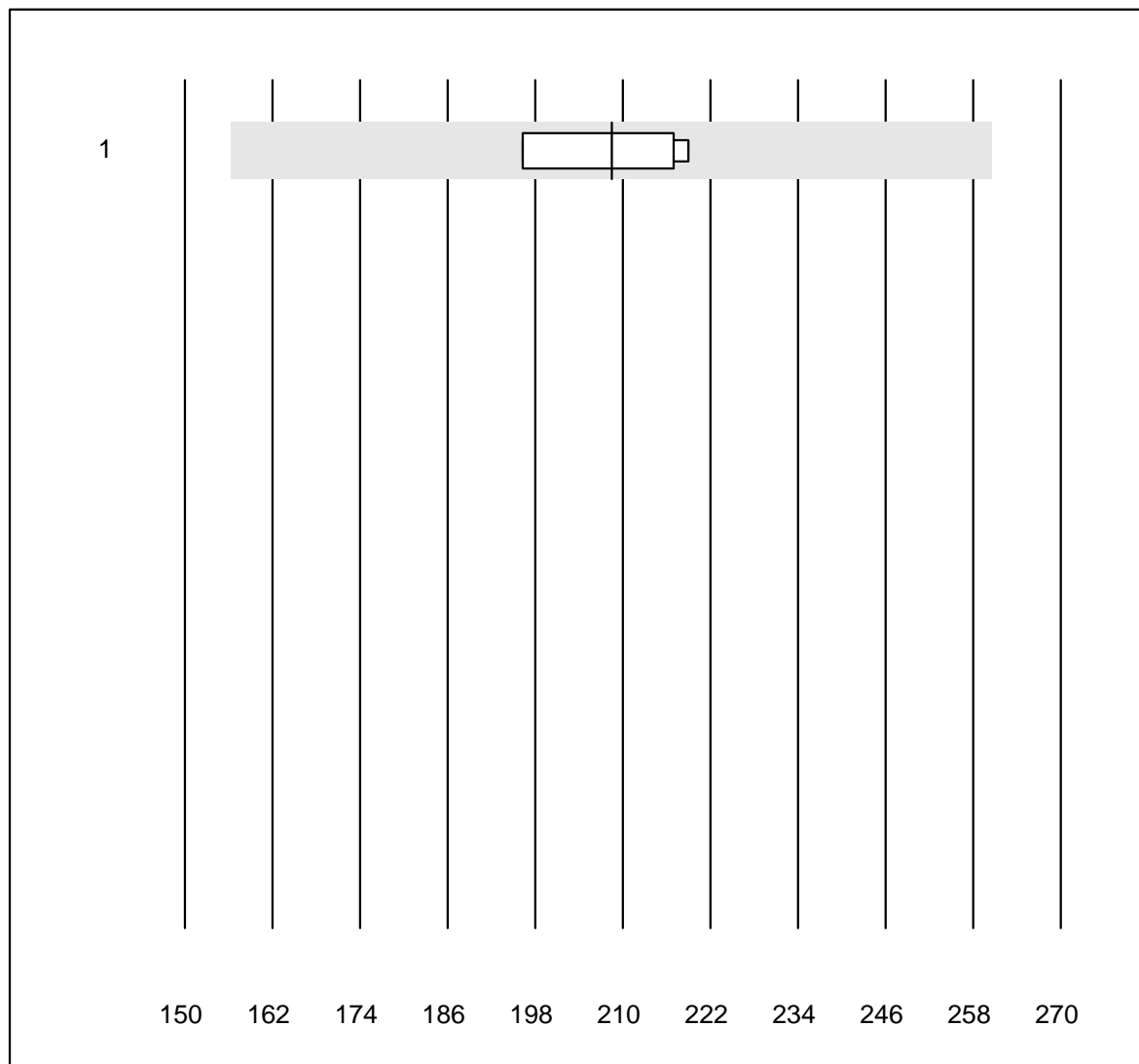
MQ tolerance : 25 %

Phenytoin (µmol/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 all Participants	4	100.0	0.0	0.0	82	6.1	e*



# Phenobarbital

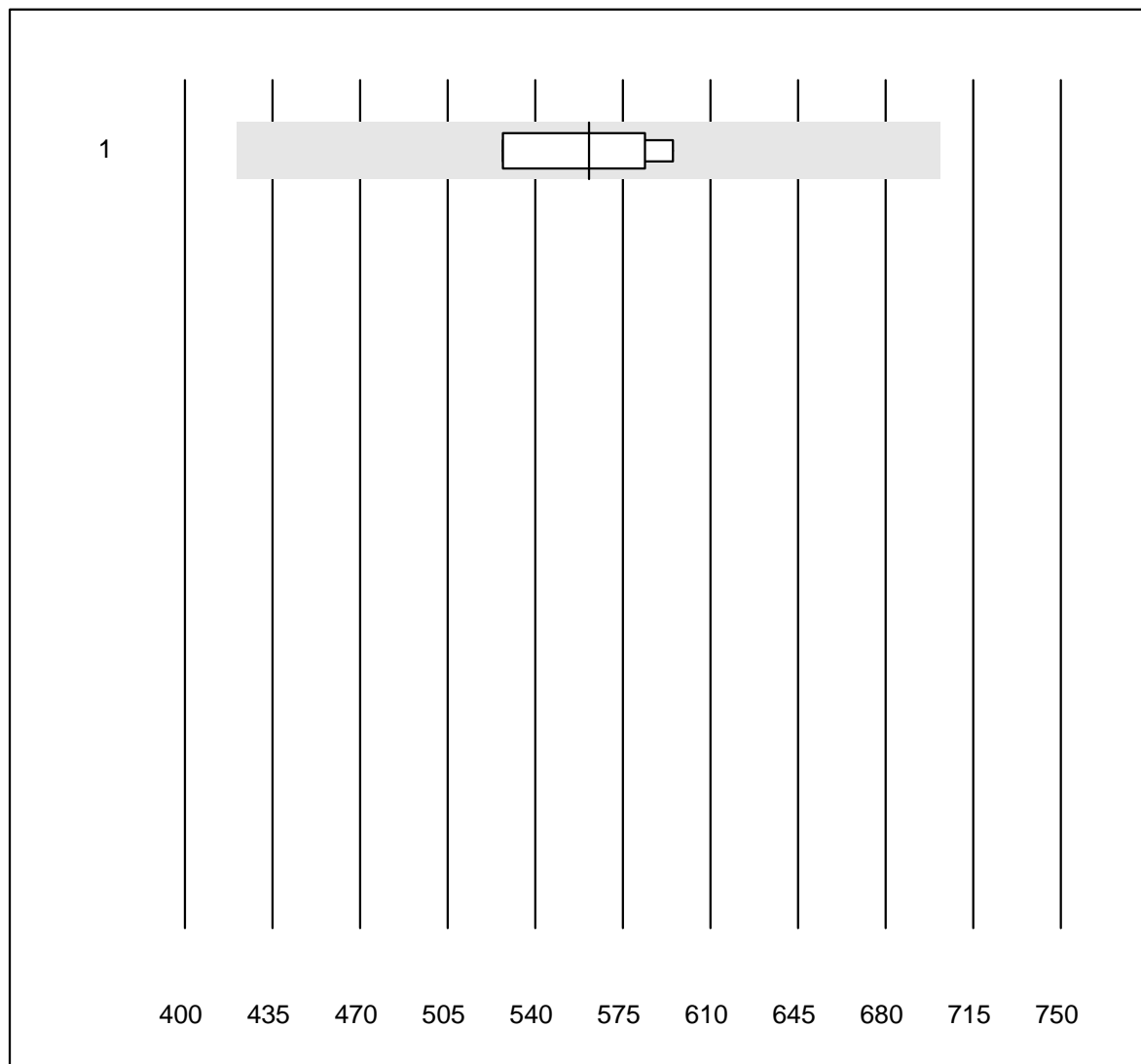


MQ tolerance : 25 %

Phenobarbital (µmol/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 all Participants	4	100.0	0.0	0.0	209	5.6	e

# Paracetamol



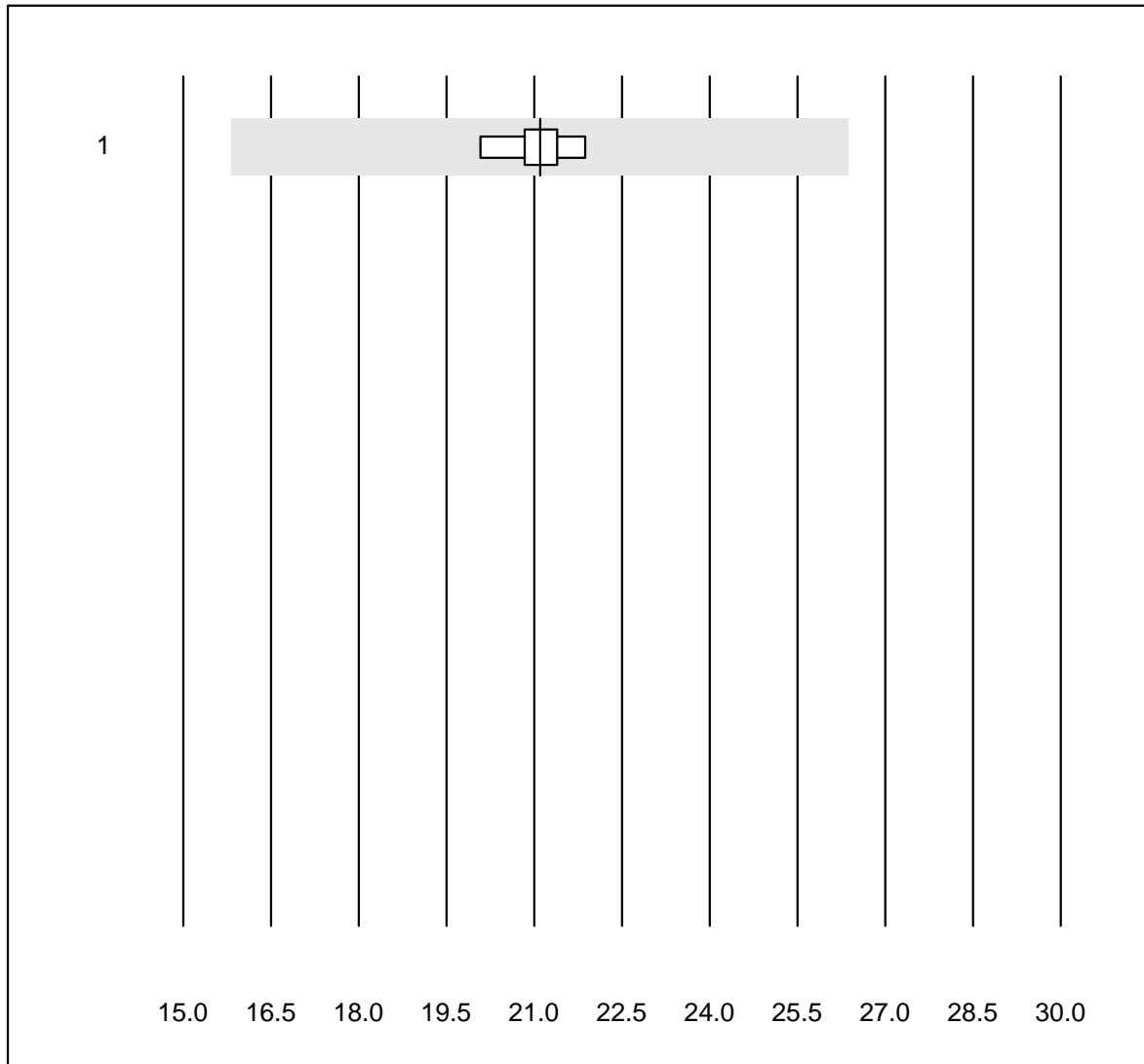
MQ tolerance : 25 %

Paracetamol (µmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Roche, Cobas	4	100.0	0.0	0.0	561.4	5.9	e

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

# Vancomycin



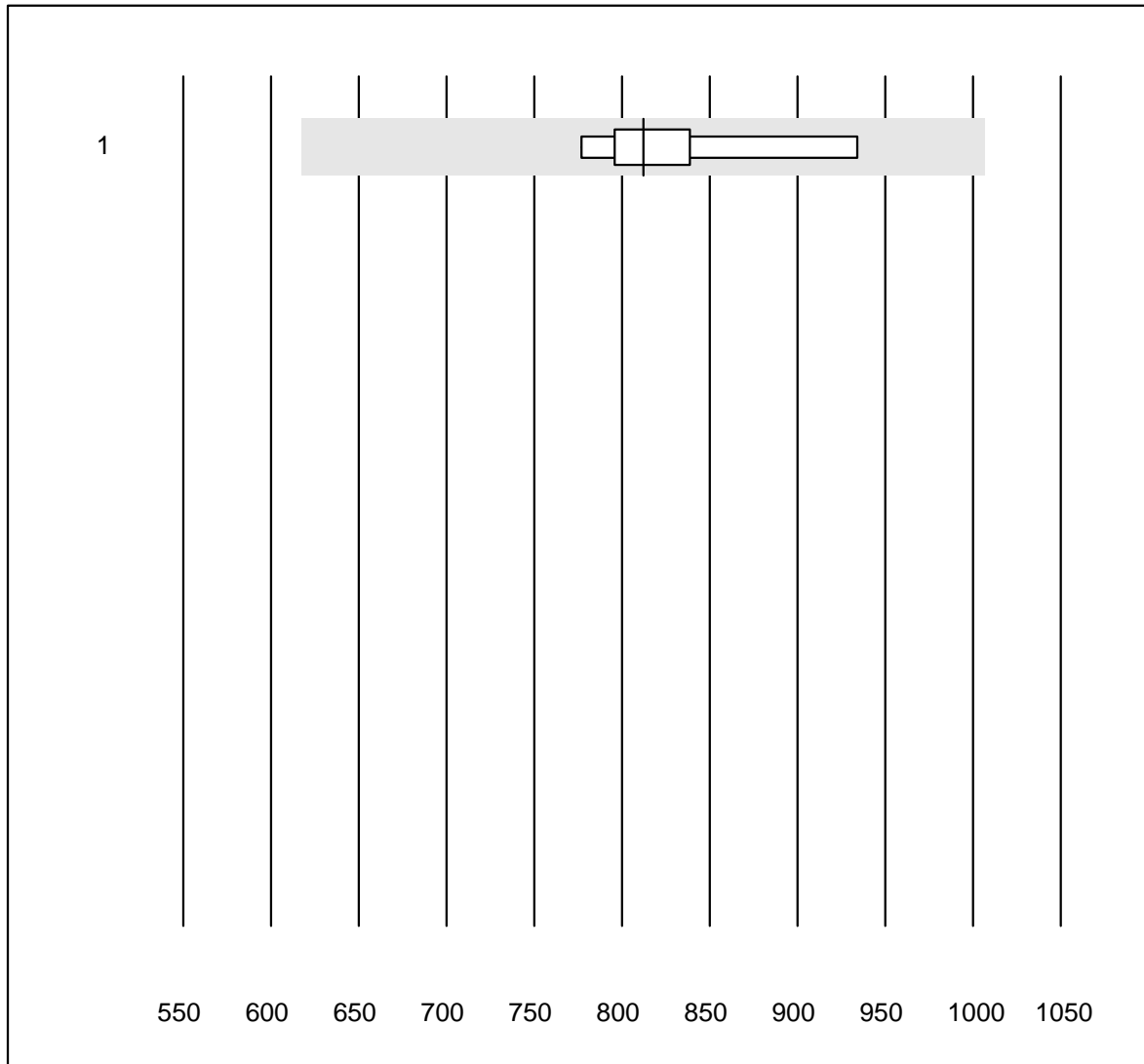
MQ tolerance : 25 %

Vancomycin (µmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Roche, Cobas	5	100.0	0.0	0.0	21.1	3.2	e

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

# Valproat

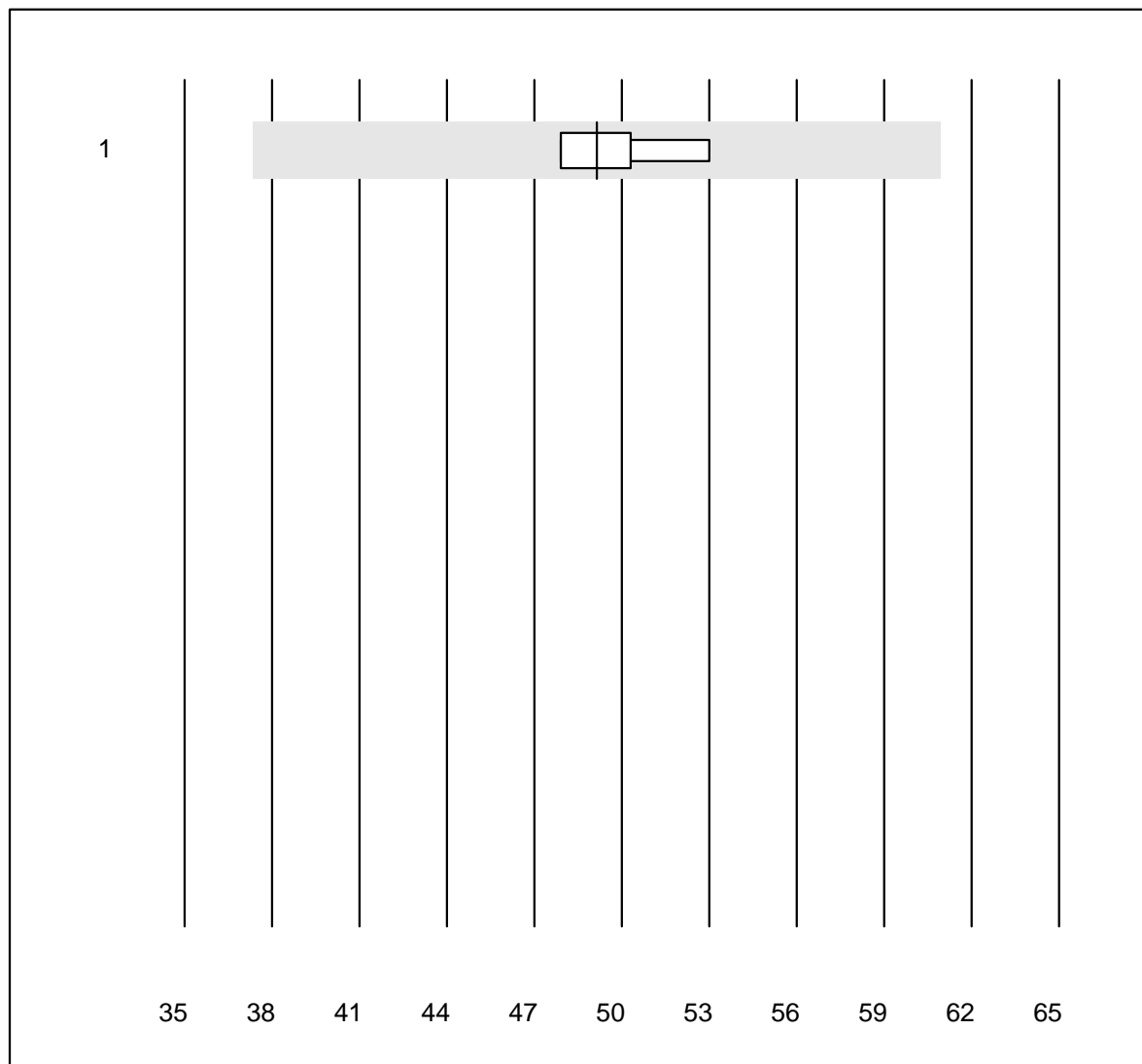


MQ tolerance : 24 %

Valproat (µmol/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 all Participants	9	100.0	0.0	0.0	812.0	5.8	e

# Carbamazepin

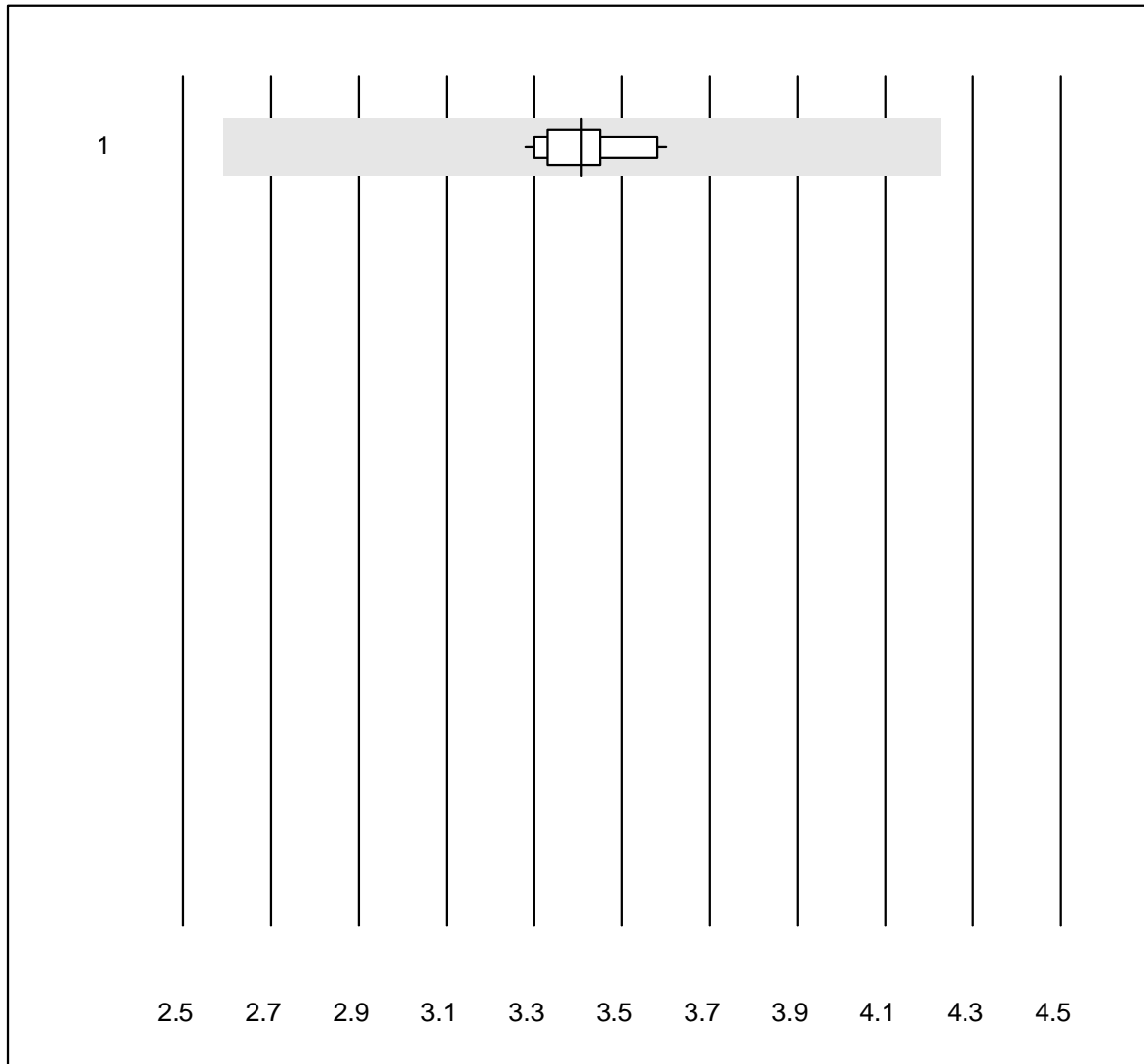


MQ tolerance : 24 %

Carbamazepin (µmol/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 all Participants	4	100.0	0.0	0.0	49.2	4.8	e

# Cystatin C



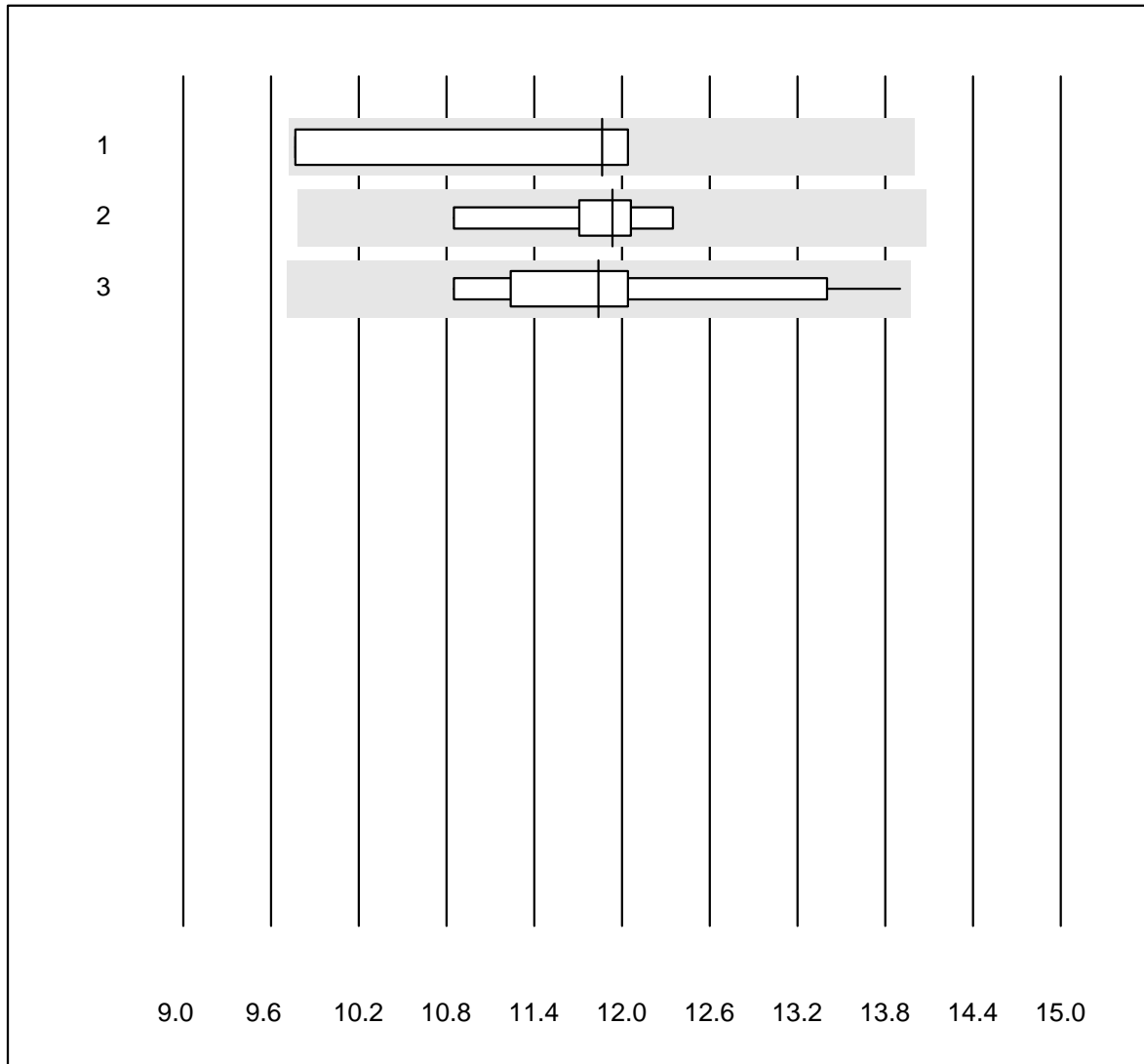
MQ tolerance : 24 %

Cystatin C (mg/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	all Participants	18	100.0	0.0	0.0	3.41	2.6	e

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

# Ethanol

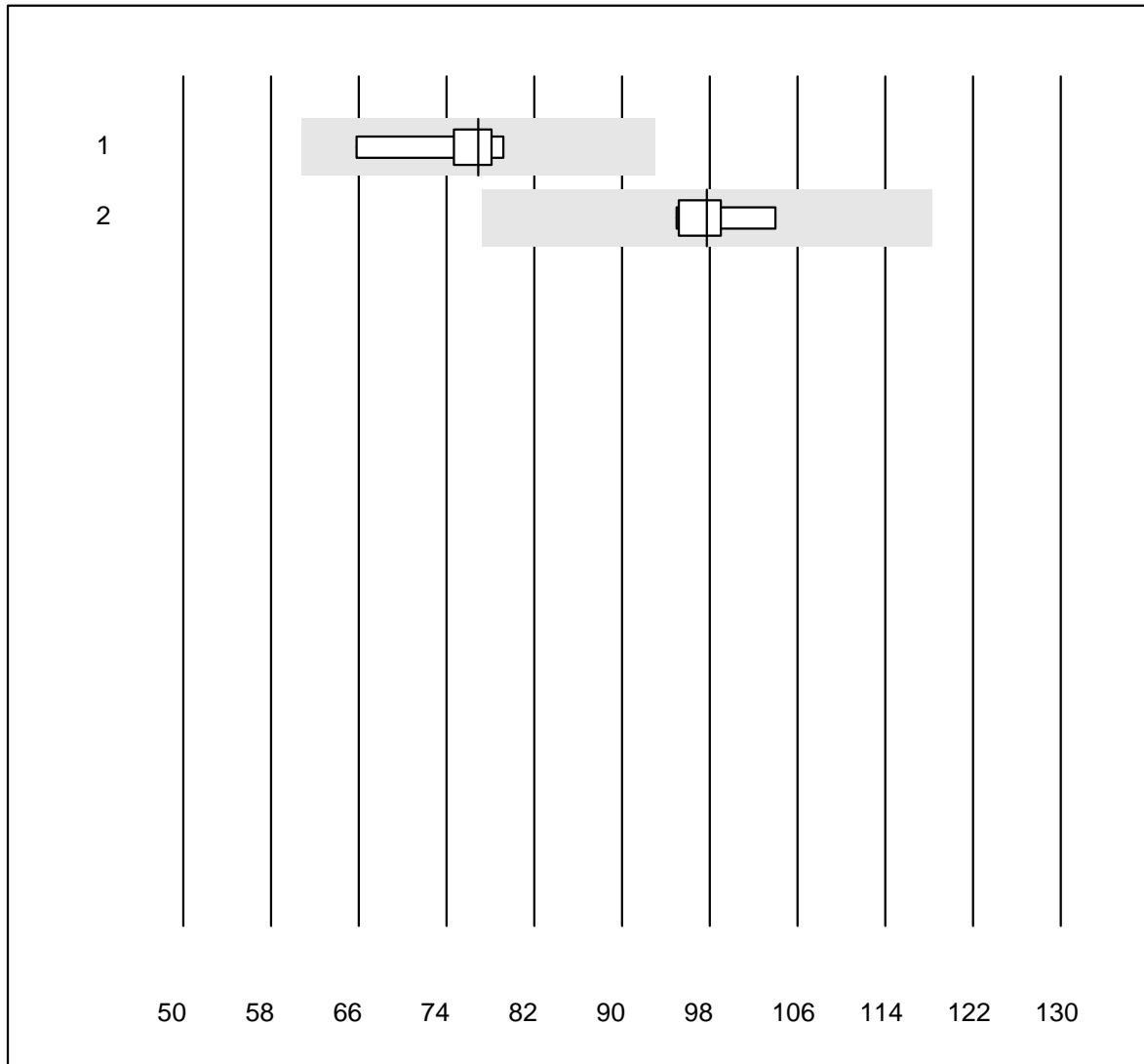


QUALAB tolerance : 18 %

Ethanol (mmol/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 Others	5	60.0	0.0	40.0	11.9	11.0	a
2 Abbott	9	100.0	0.0	0.0	11.9	3.7	e
3 Roche, Cobas	19	100.0	0.0	0.0	11.8	7.2	e

# Ammonia



QUALAB tolerance : 21 %

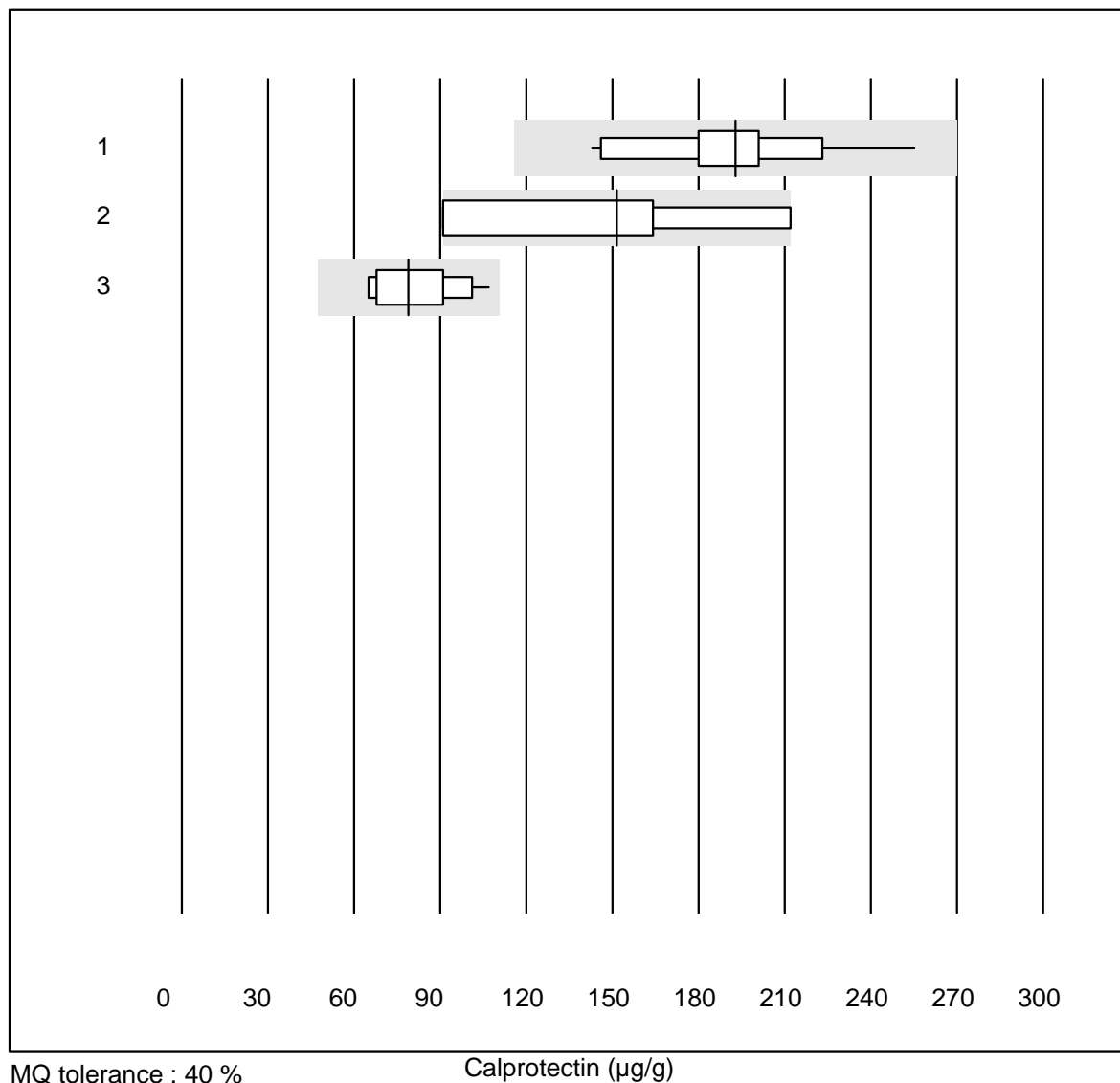
Ammonia (µmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	6	100.0	0.0	0.0	76.9	6.5	e*
2	all Participants	6	100.0	0.0	0.0	97.8	3.4	e

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



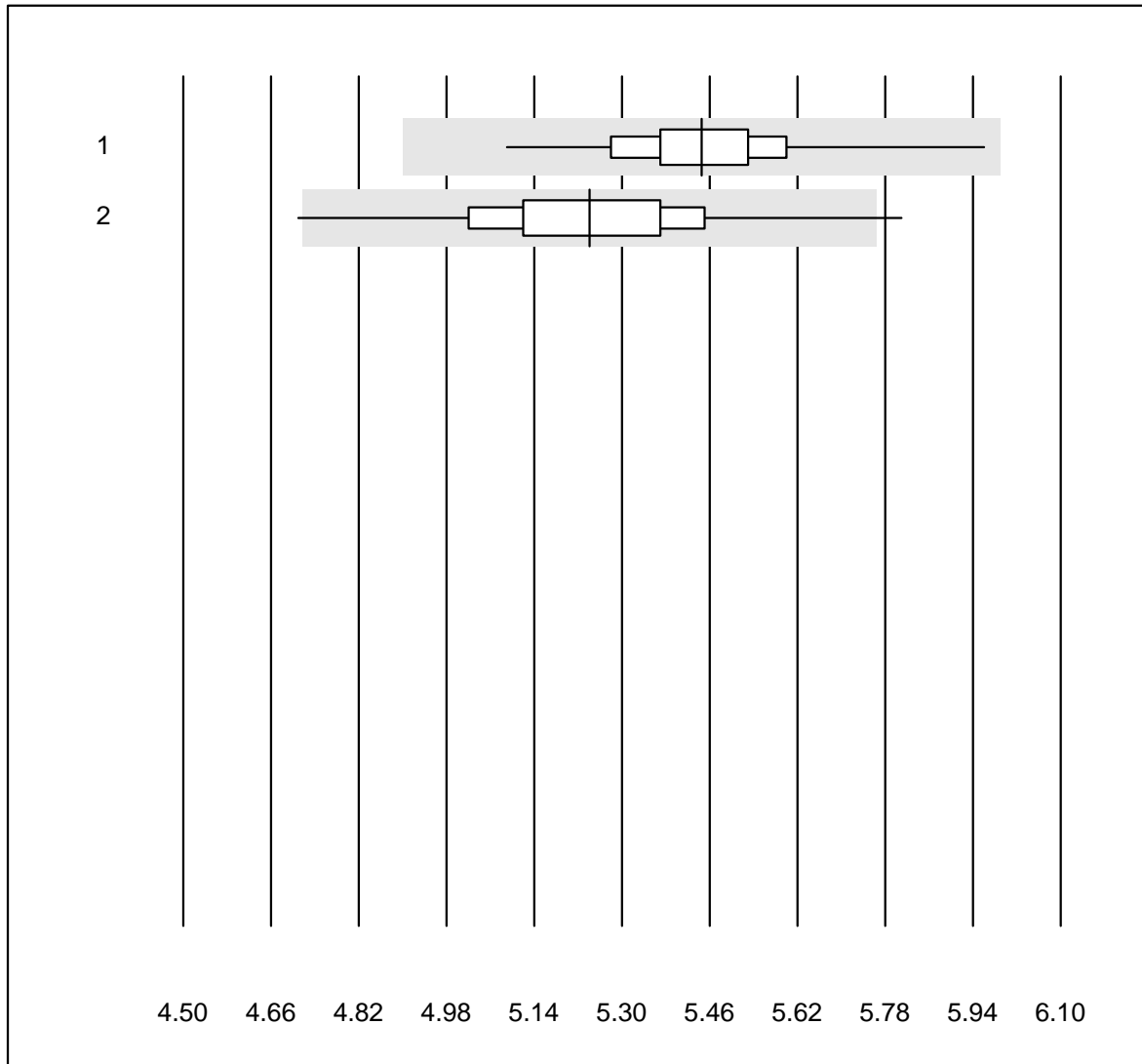
# Calprotectin



No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Bühlmann fCALturbo	21	95.2	0.0	4.8	193	13.4	e
2	Bühlmann Quantum Blu	5	80.0	0.0	20.0	152	40.2	a
3	Liaison	13	76.9	0.0	23.1	79	19.5	e*

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

## Cholesterol total Af/b101

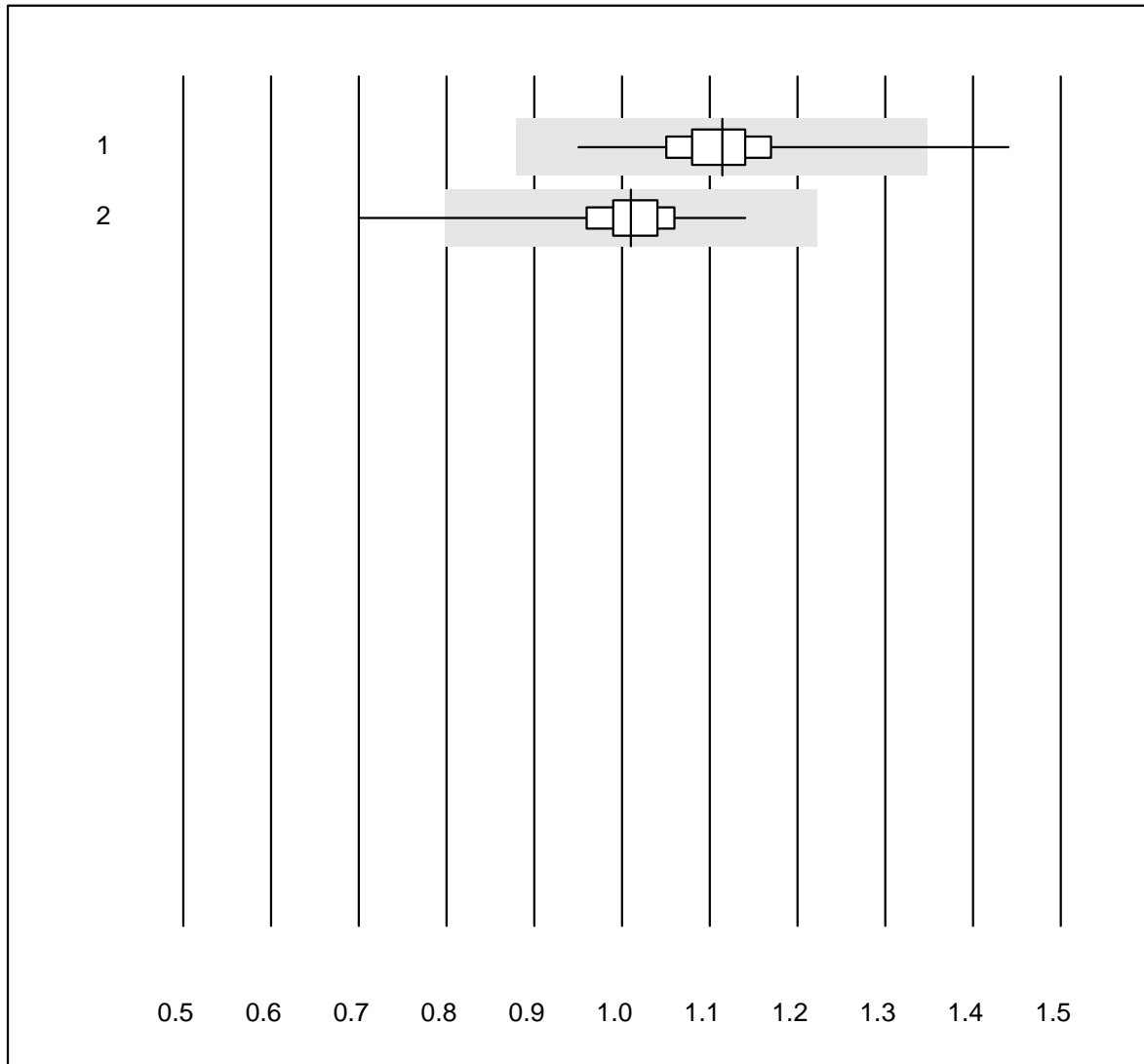


QUALAB tolerance : 10 %

Cholesterol total Af/b101 (mmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas b101	308	98.7	0.0	1.3	5.45	2.4	e
2	Afinion	439	98.6	0.7	0.7	5.24	3.3	e

## Cholesterol HDL Af/b101

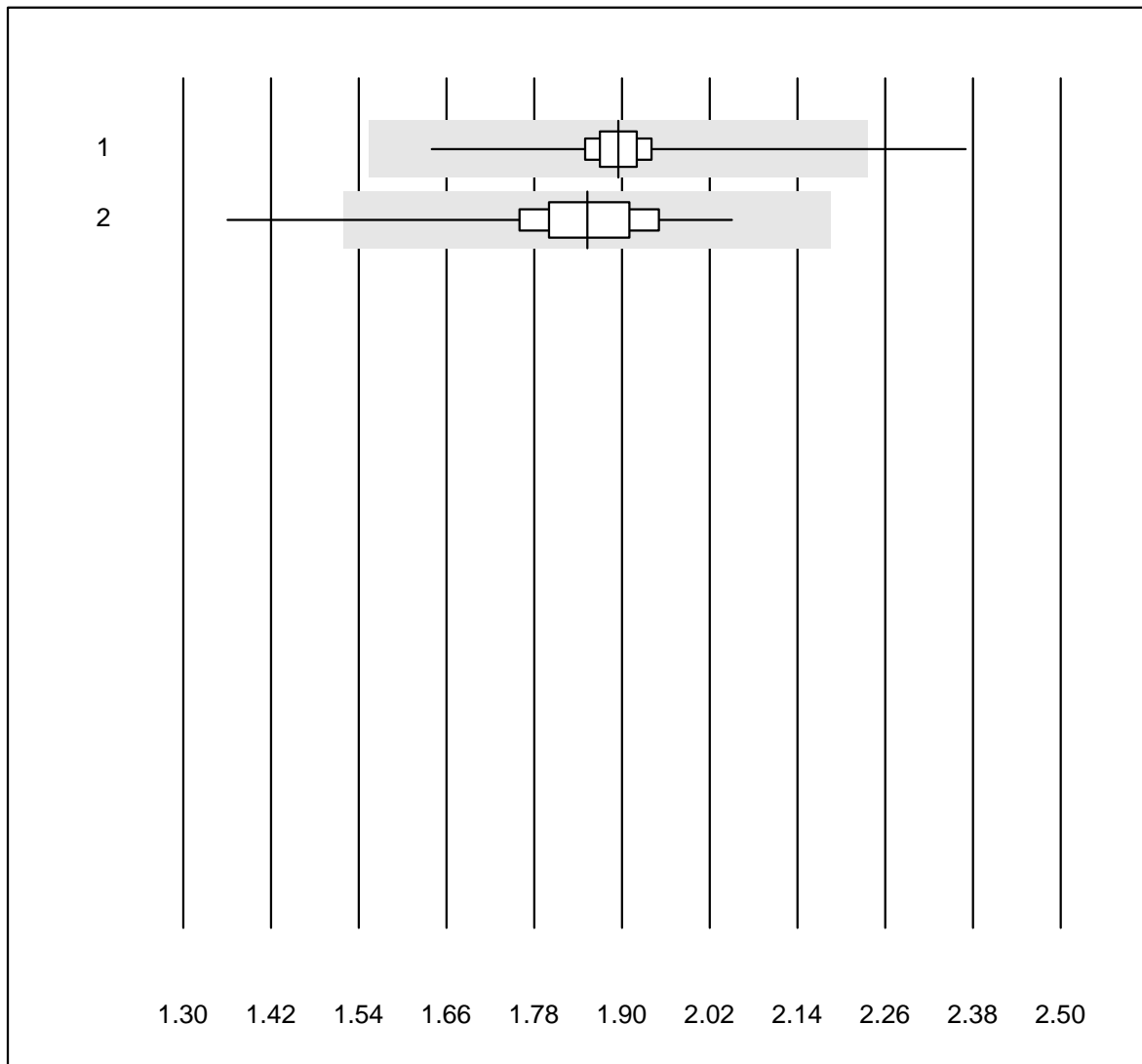


QUALAB tolerance : 21 %

Cholesterol HDL Af/b101 (mmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas b101	305	93.1	0.3	6.6	1.11	4.6	e
2	Afinion	436	93.8	0.2	6.0	1.01	4.3	e

## Tryglycerides Af/b101

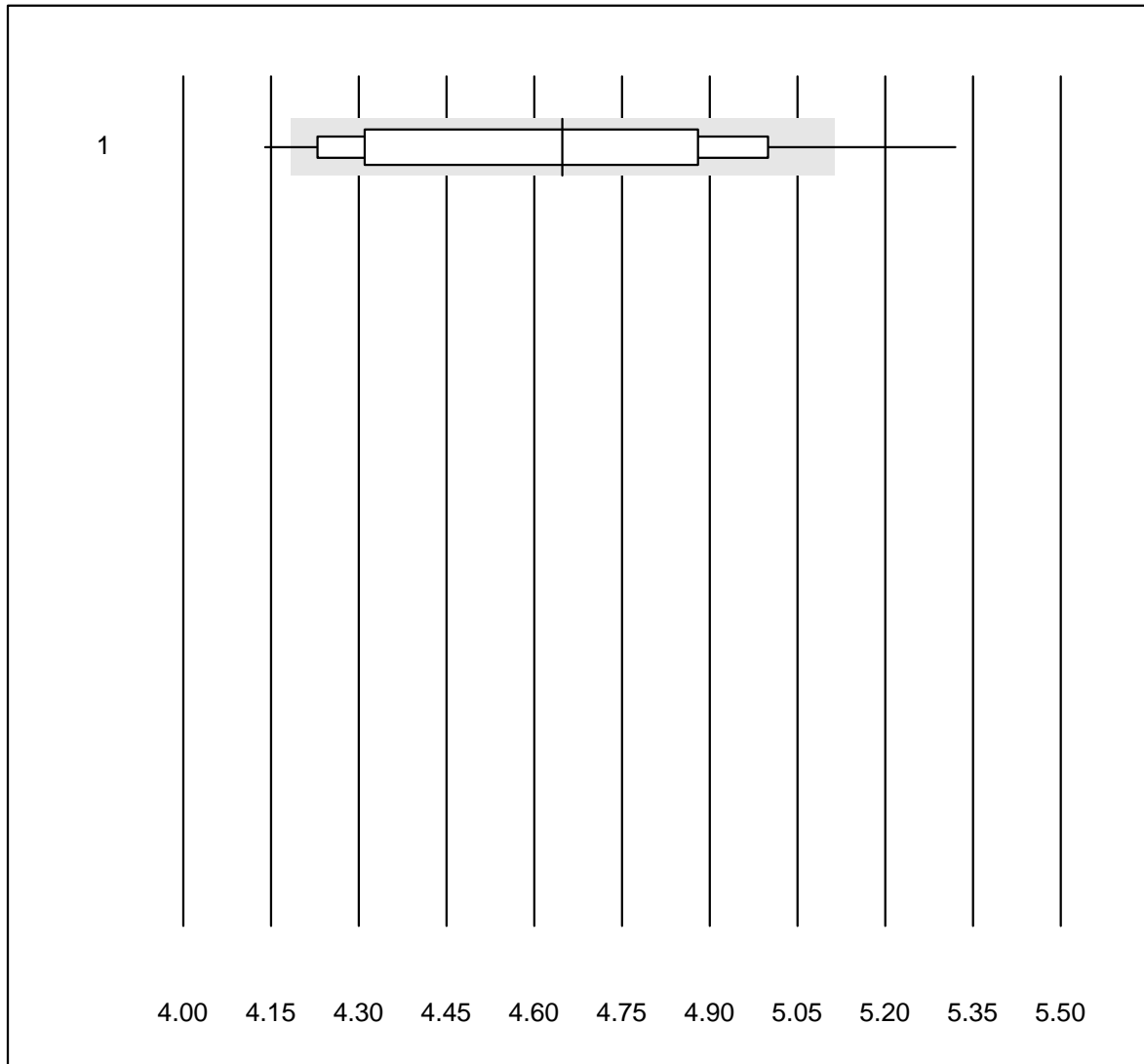


QUALAB tolerance : 18 %

Tryglycerides Af/b101 (mmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas b101	305	98.4	0.3	1.3	1.89	2.5	e
2	Afinion	440	99.3	0.5	0.2	1.85	4.4	e

## Cholesterol PTS

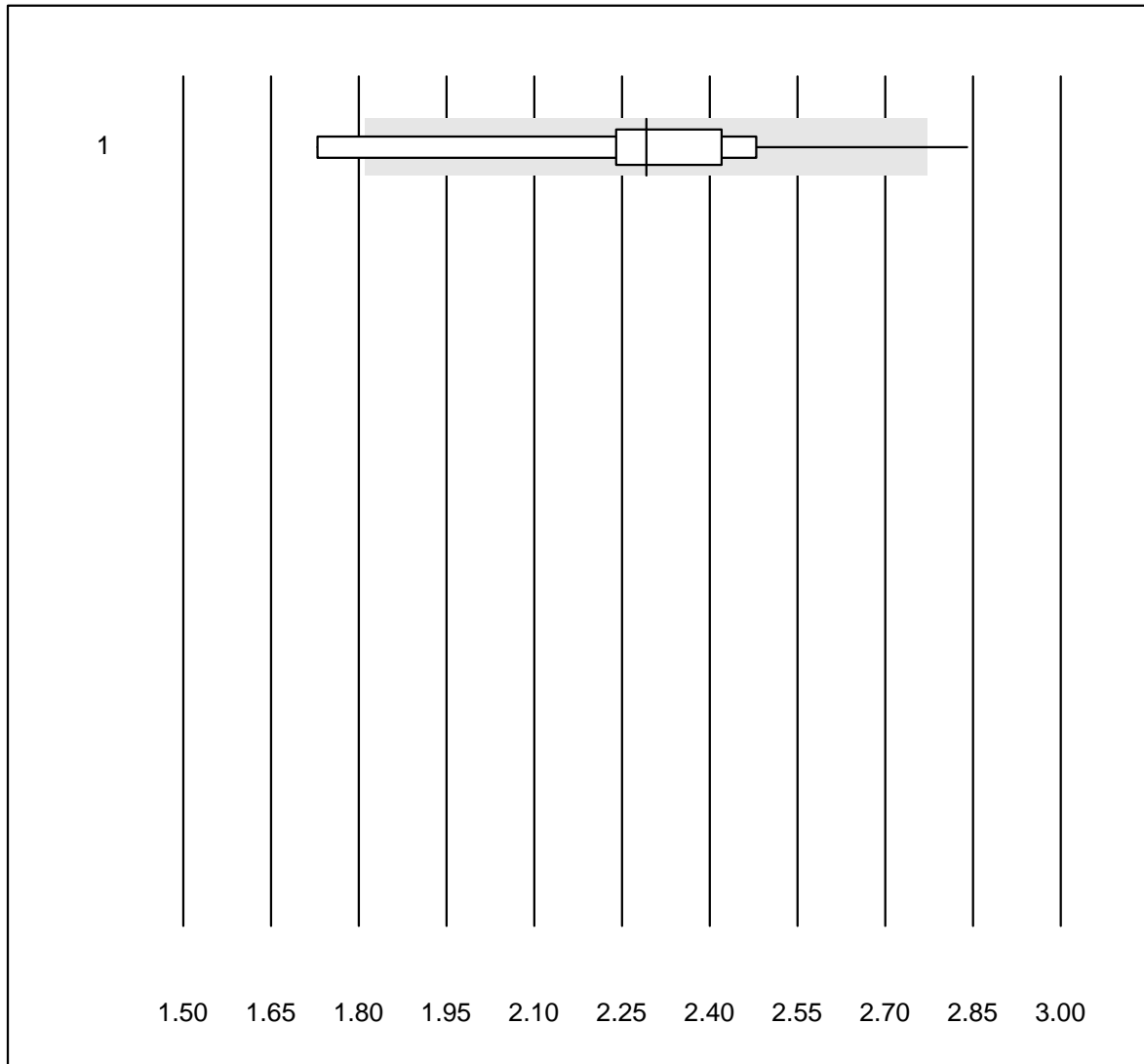


QUALAB tolerance : 10 %

Cholesterol PTS (mmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	CardioChek	11	81.8	18.2	0.0	4.65	8.0	e*

### Cholesterol HDL PTS

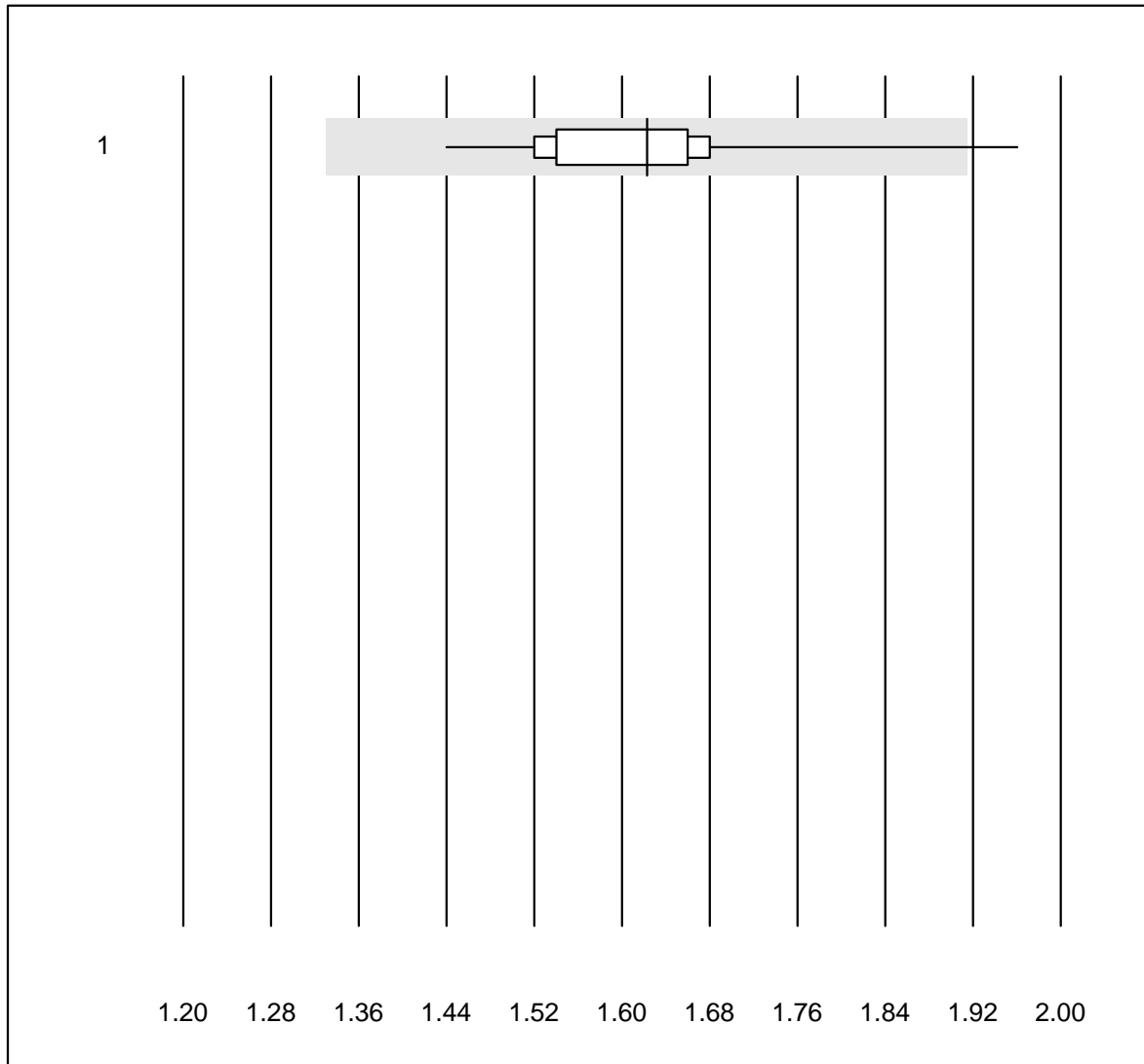


QUALAB tolerance : 21 %

Cholesterol HDL PTS (mmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	CardioChek	11	72.7	18.2	9.1	2.29	13.0	e*

# Triglycerides

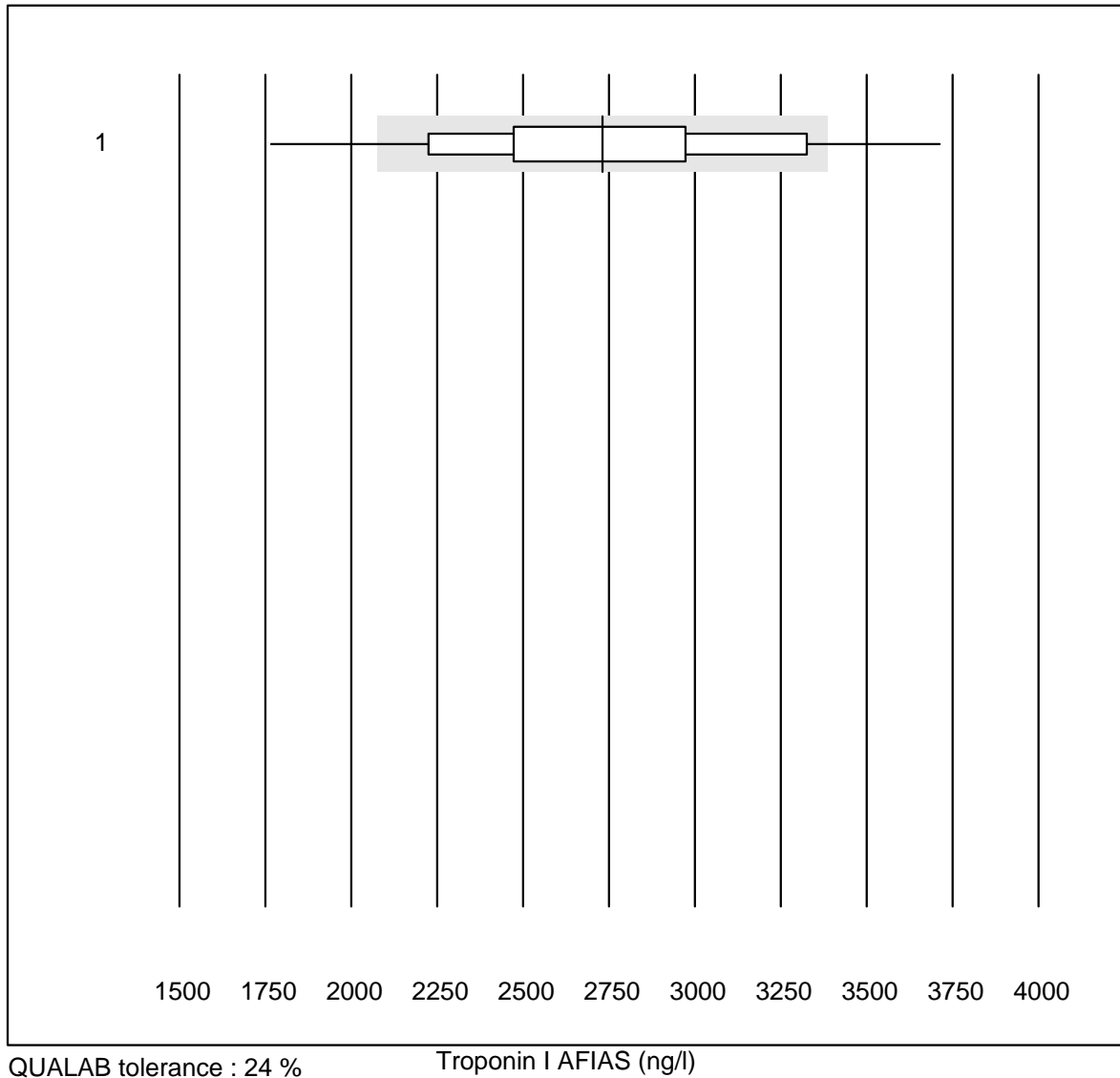


QUALAB tolerance : 18 %

Triglycerides (mmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	CardioChek	11	90.9	9.1	0.0	1.62	8.1	e*

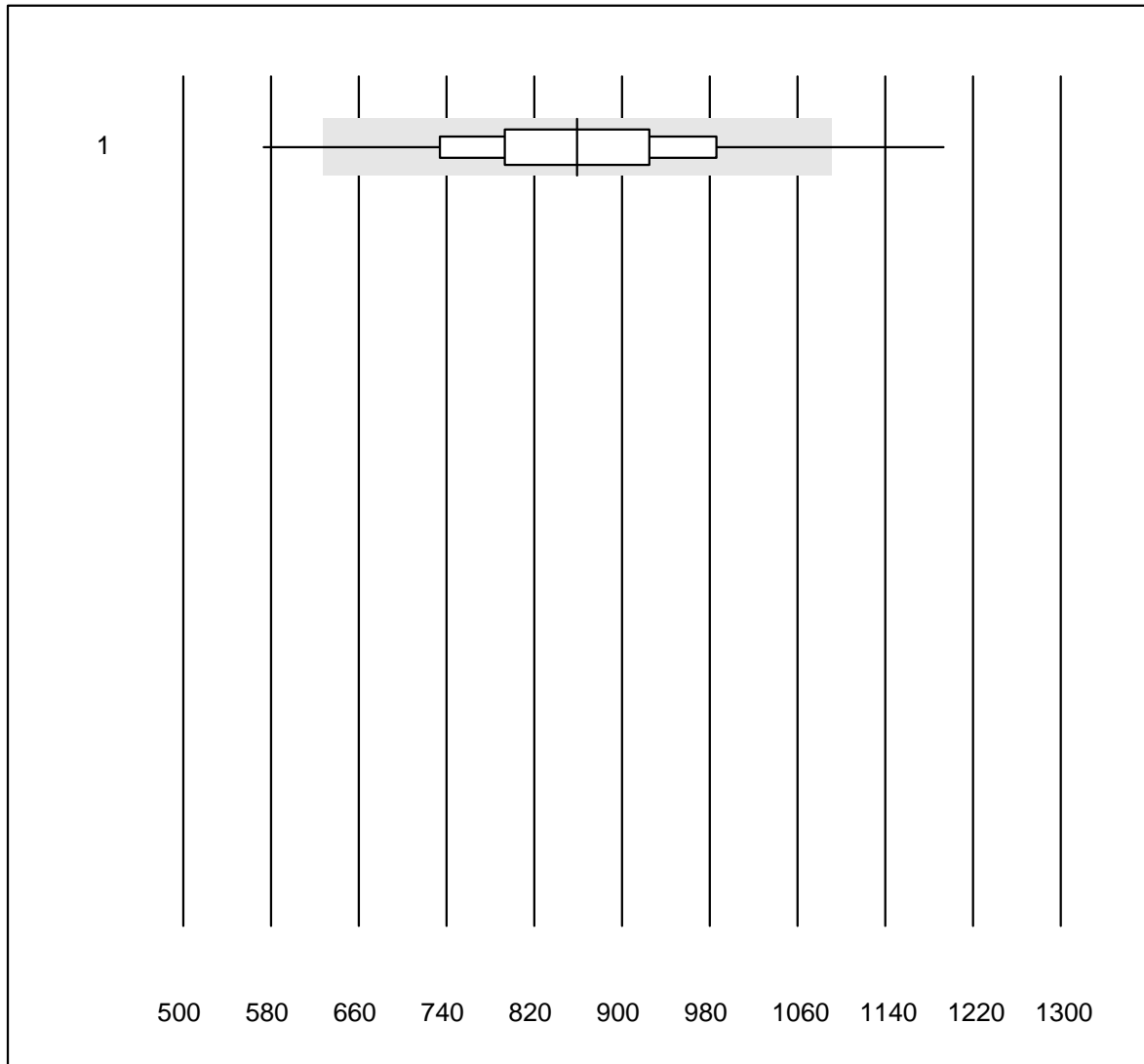
## Troponin I AFIAS



No. Methode	Total	% OK	% insuff.	% outlier	Target	CV% Type
1 AFIAS	384	80.5	9.9	9.6	2730.70	14.6 e



## NT-proBNP AFIAS

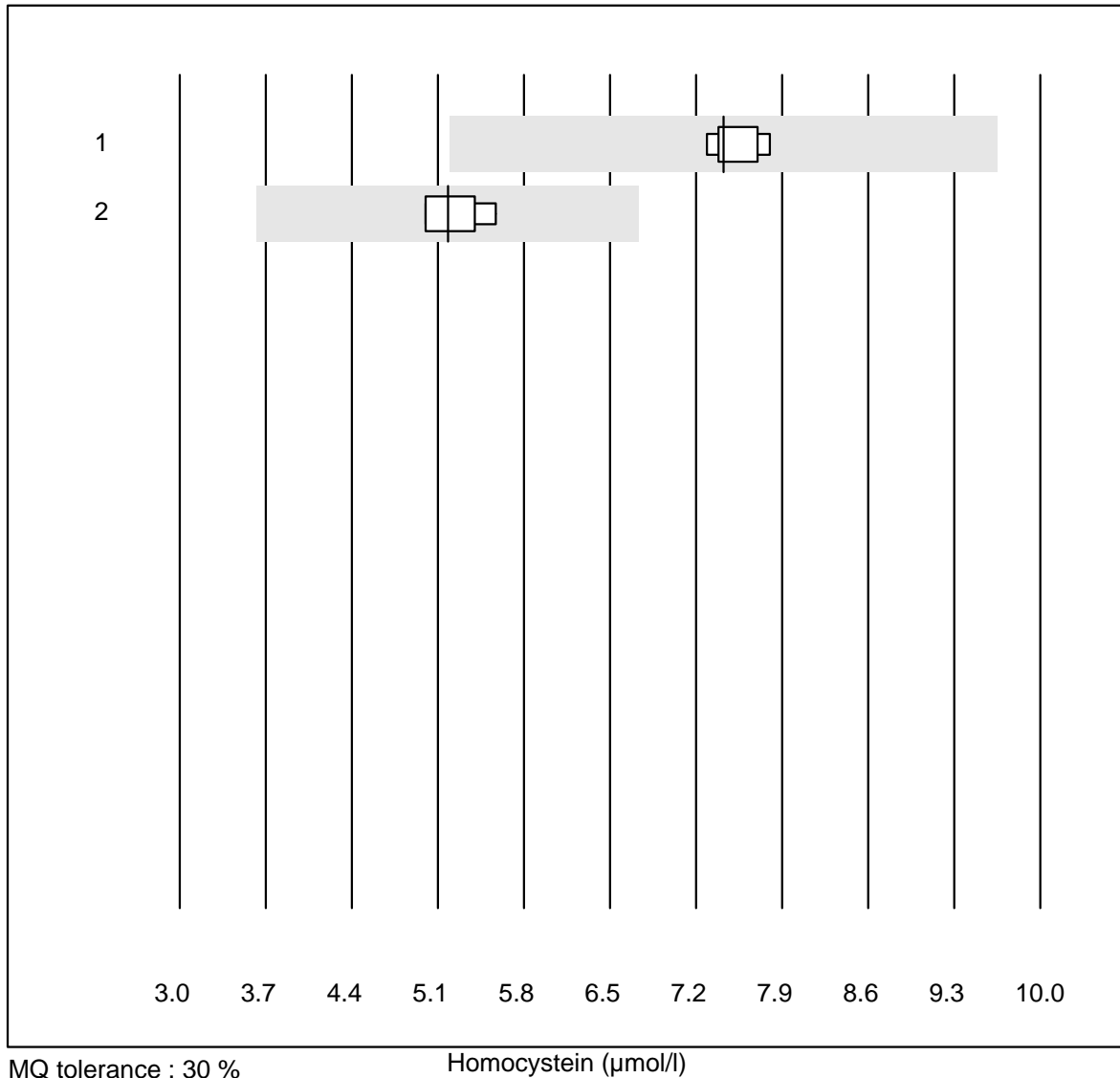


QUALAB tolerance : 27 %

NT-proBNP AFIAS (ng/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV% Type
1 AFIAS	286	90.9	3.5	5.6	859.2	12.2 e

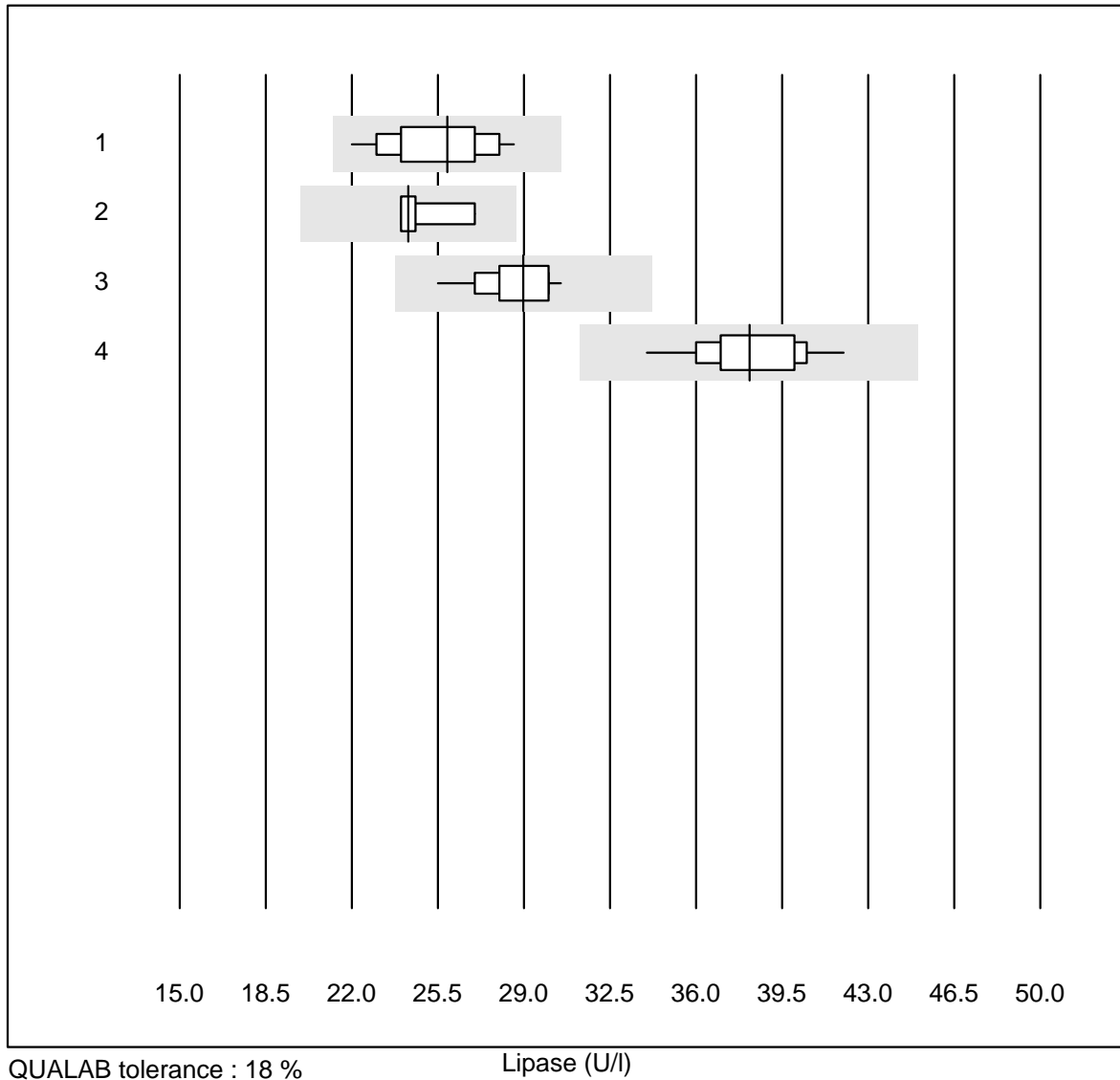
# Homocystein



No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Beckman	6	100.0	0.0	0.0	7.4	2.7	e
2	all Participants	5	100.0	0.0	0.0	5.2	4.8	e

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

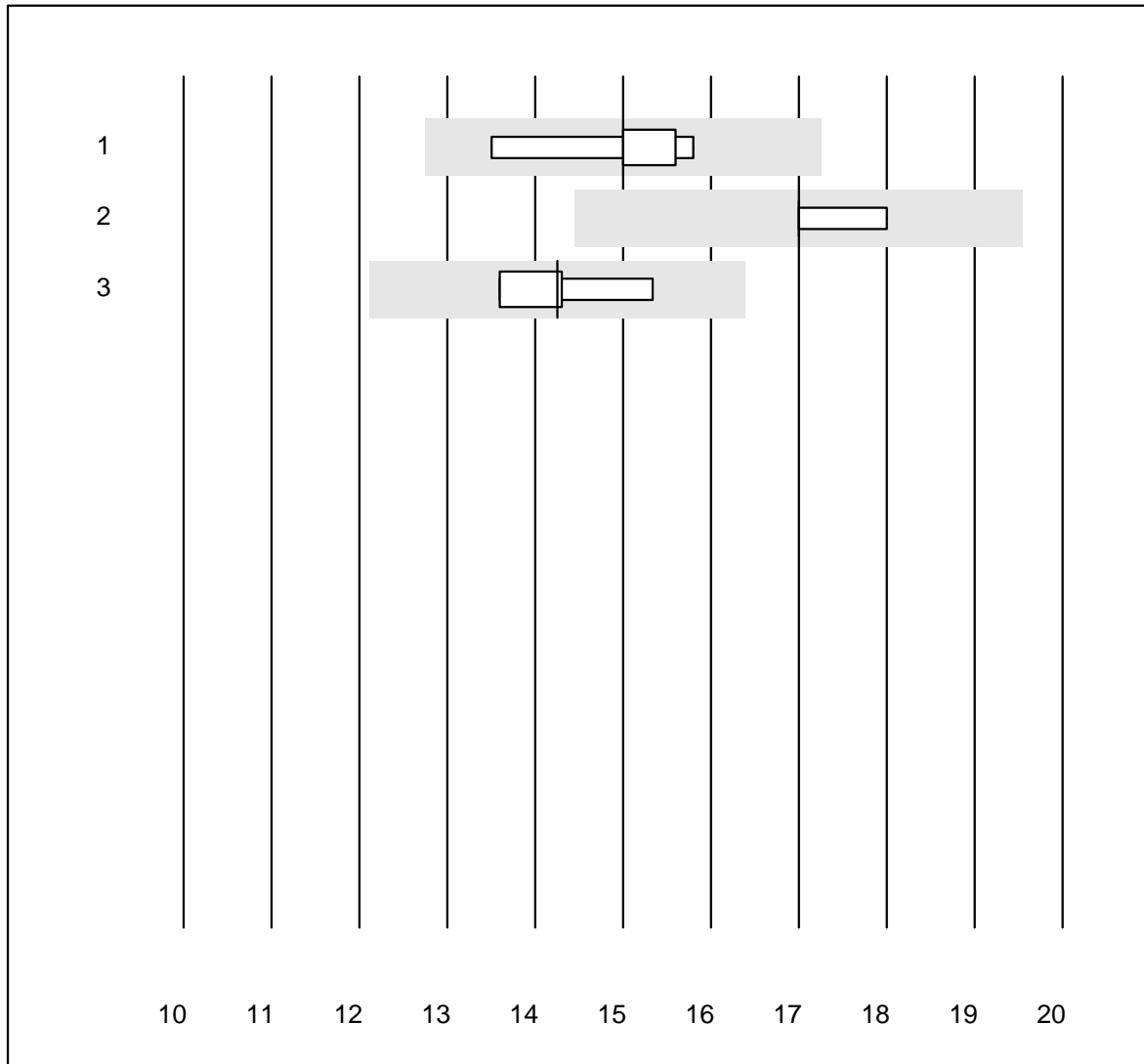
# Lipase



No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	15	100.0	0.0	0.0	25.9	7.9	e
2	Beckman	5	100.0	0.0	0.0	24.3	5.1	e*
3	Roche	26	100.0	0.0	0.0	29.0	4.5	e
4	Fuji Dri-Chem	175	98.3	0.0	1.7	38.2	5.0	e

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

## Bicarbonat



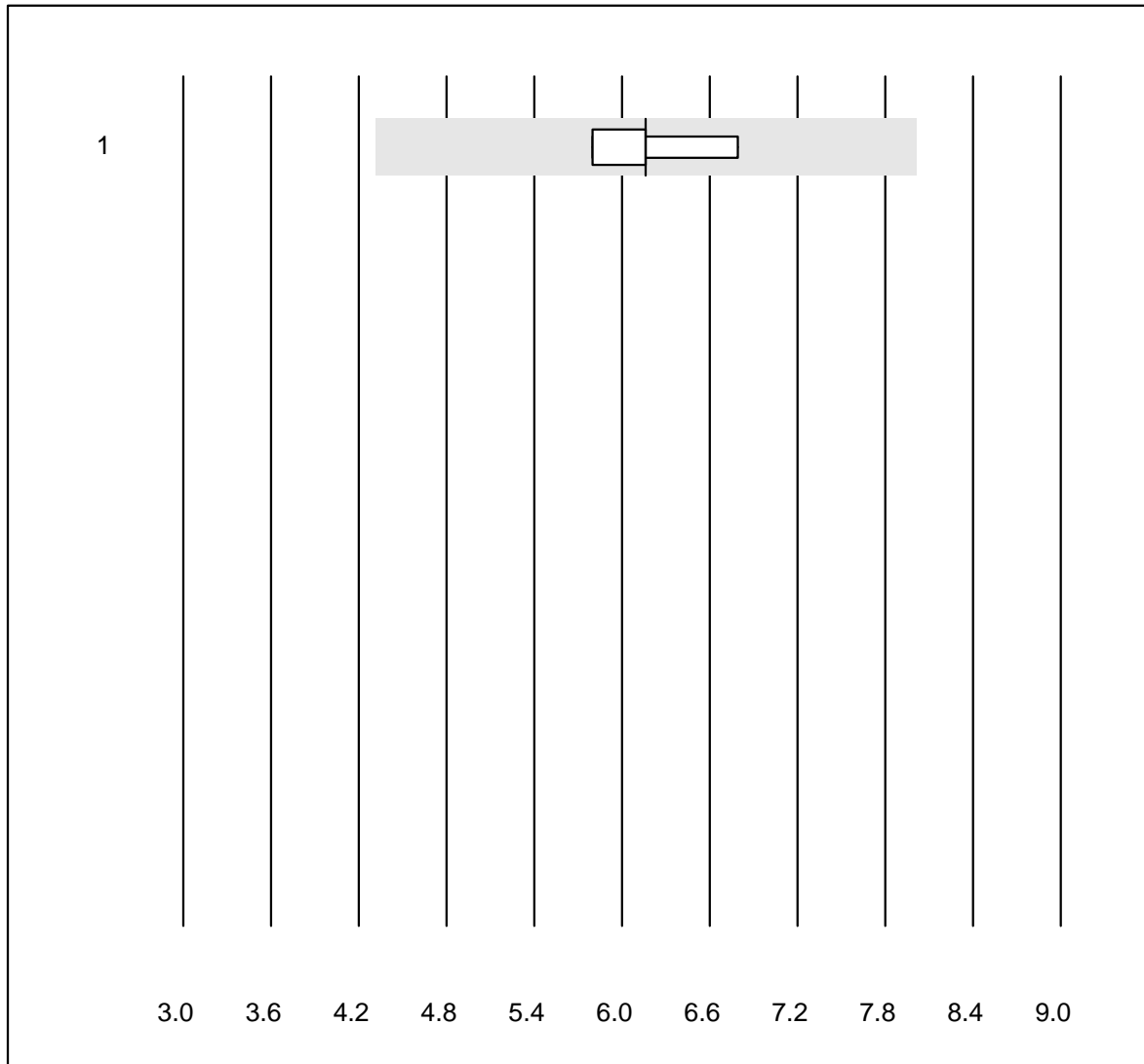
MQ tolerance : 15 %

Bicarbonat (mmol/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 Cobas	5	100.0	0.0	0.0	15.0	6.0	e*
2 Piccolo	4	100.0	0.0	0.0	17.0	2.9	e
3 Abbott	4	100.0	0.0	0.0	14.3	5.0	e*

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

# Cholinesterase



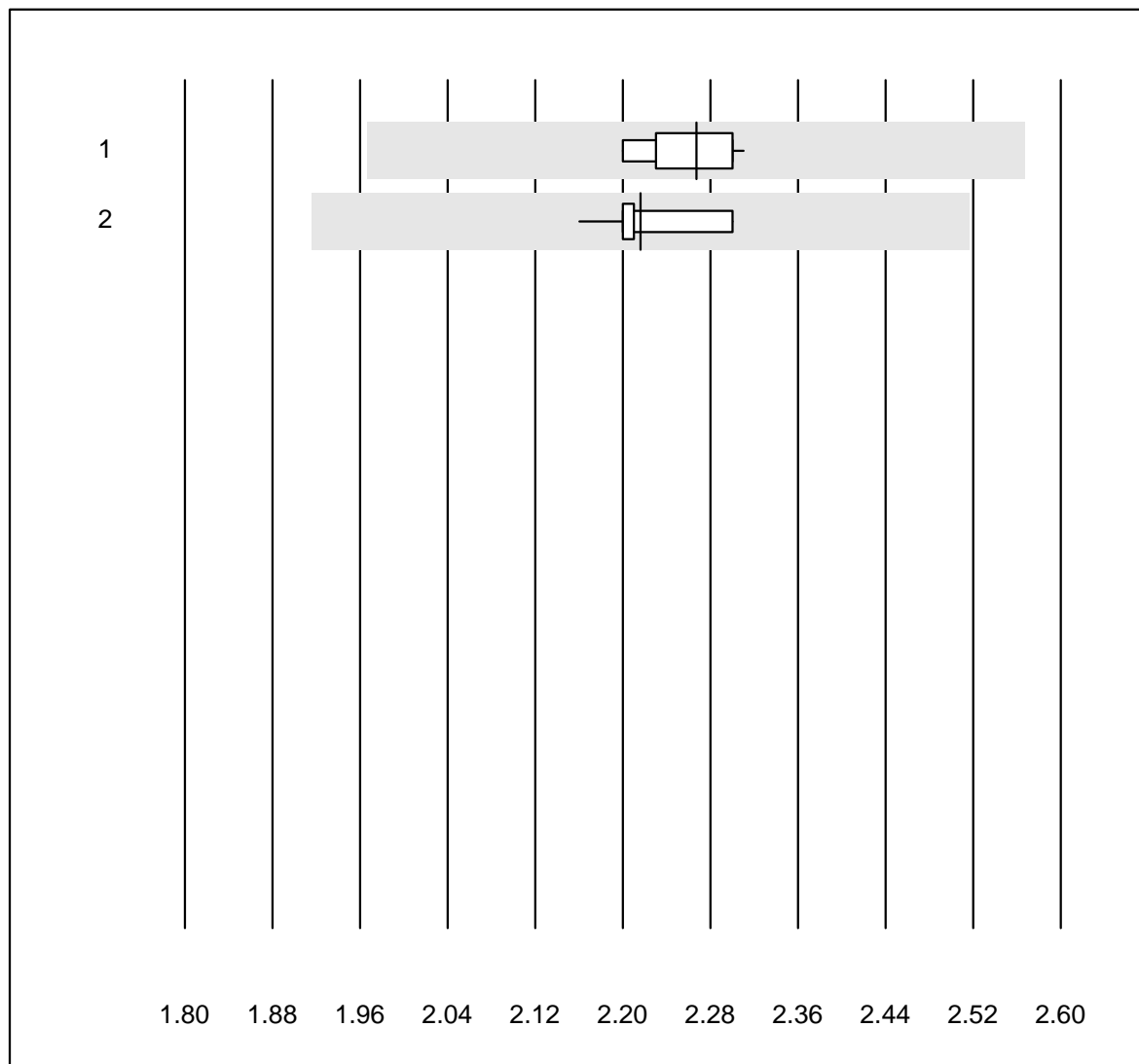
MQ tolerance : 30 %

Cholinesterase (kU/L)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	ADVIA Centaur XP/CP	4	100.0	0.0	0.0	6.2	6.6	e

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

## Glucose CSF

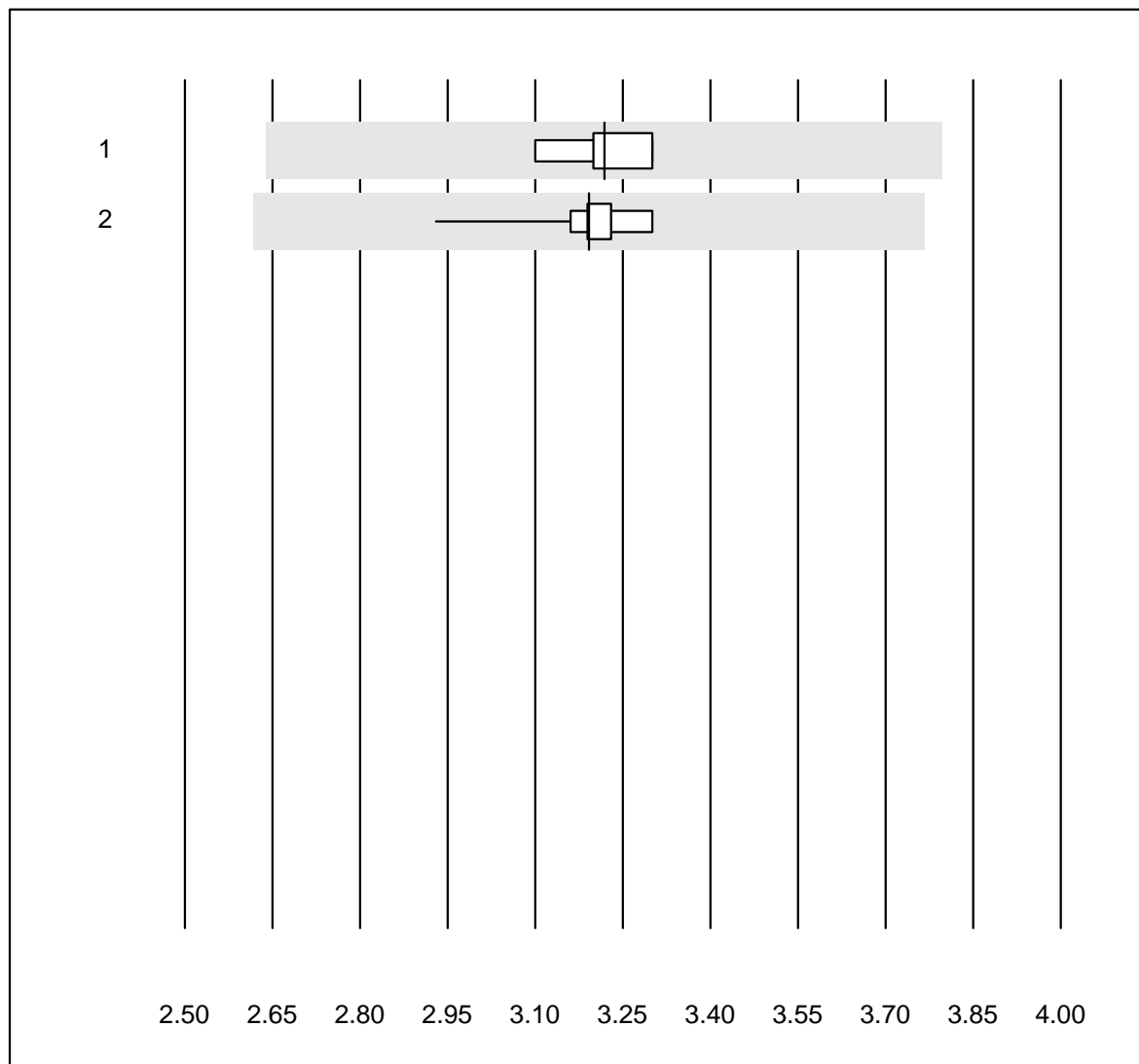


QUALAB tolerance : 9 %  
( < 3.30: +/- 0.30 mmol/l)

Glucose CSF (mmol/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 Cobas	13	100.0	0.0	0.0	2.27	1.9	e
2 Other methods	15	100.0	0.0	0.0	2.22	1.8	e

## Lactate CSF

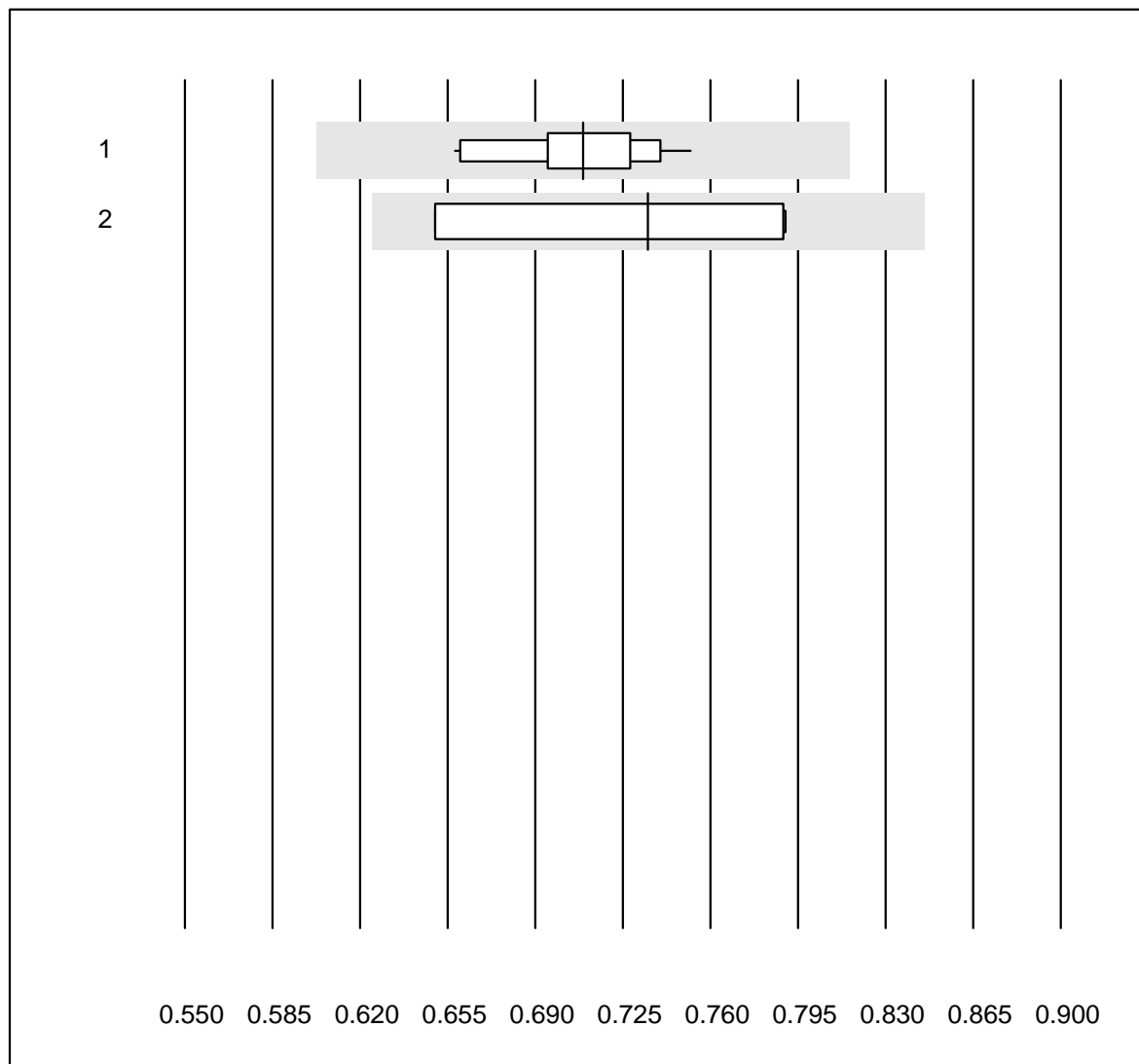


QUALAB tolerance : 18 %

Lactate CSF (mmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas	12	100.0	0.0	0.0	3.22	2.2	e
2	Other methods	12	91.7	0.0	8.3	3.19	3.0	e

## Protein CSF



QUALAB tolerance : 15 %

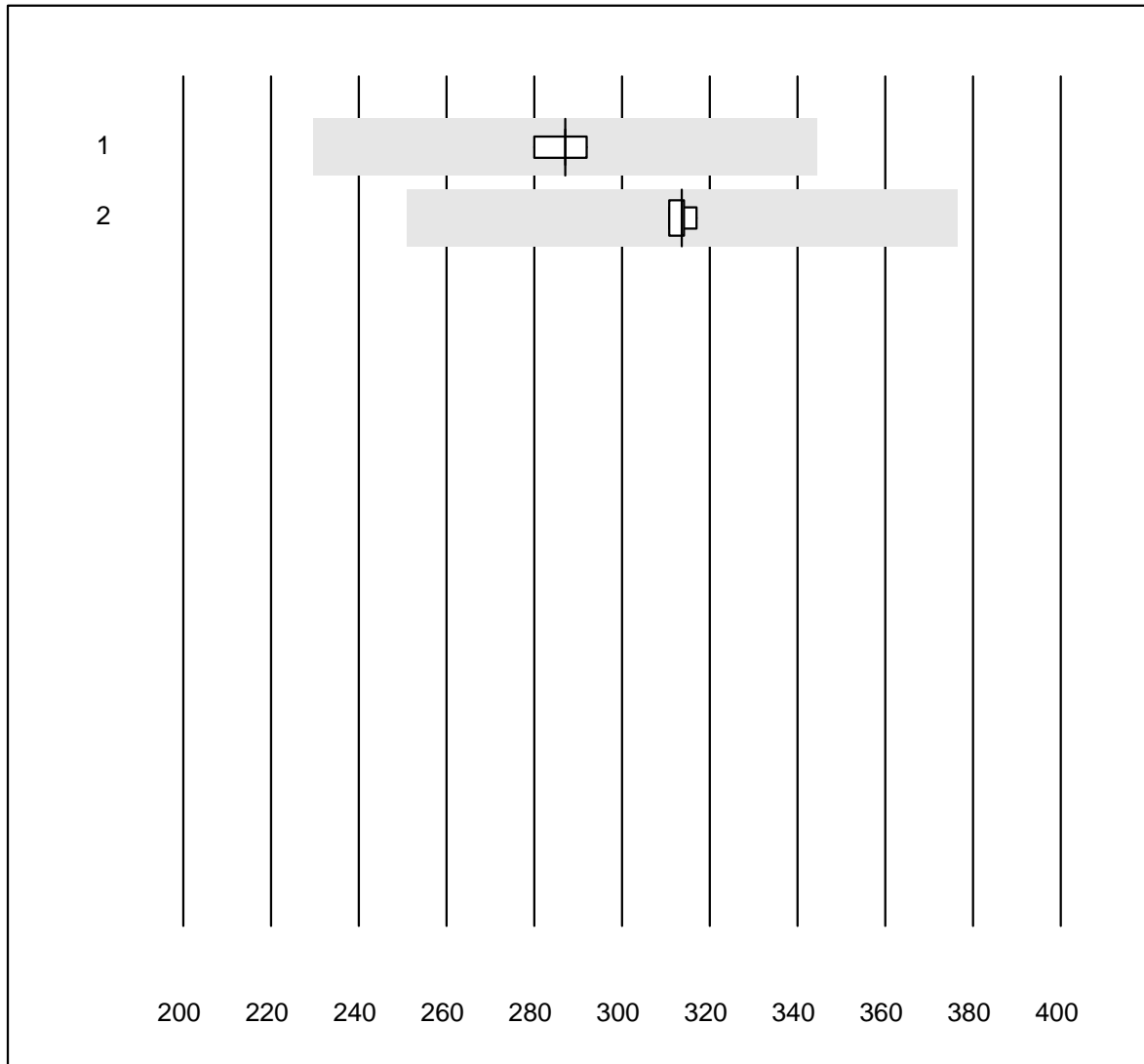
Protein CSF (g/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas	18	100.0	0.0	0.0	0.71	3.8	e
2	Other methods	6	100.0	0.0	0.0	0.74	8.8	e*

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



## Albumine CSF

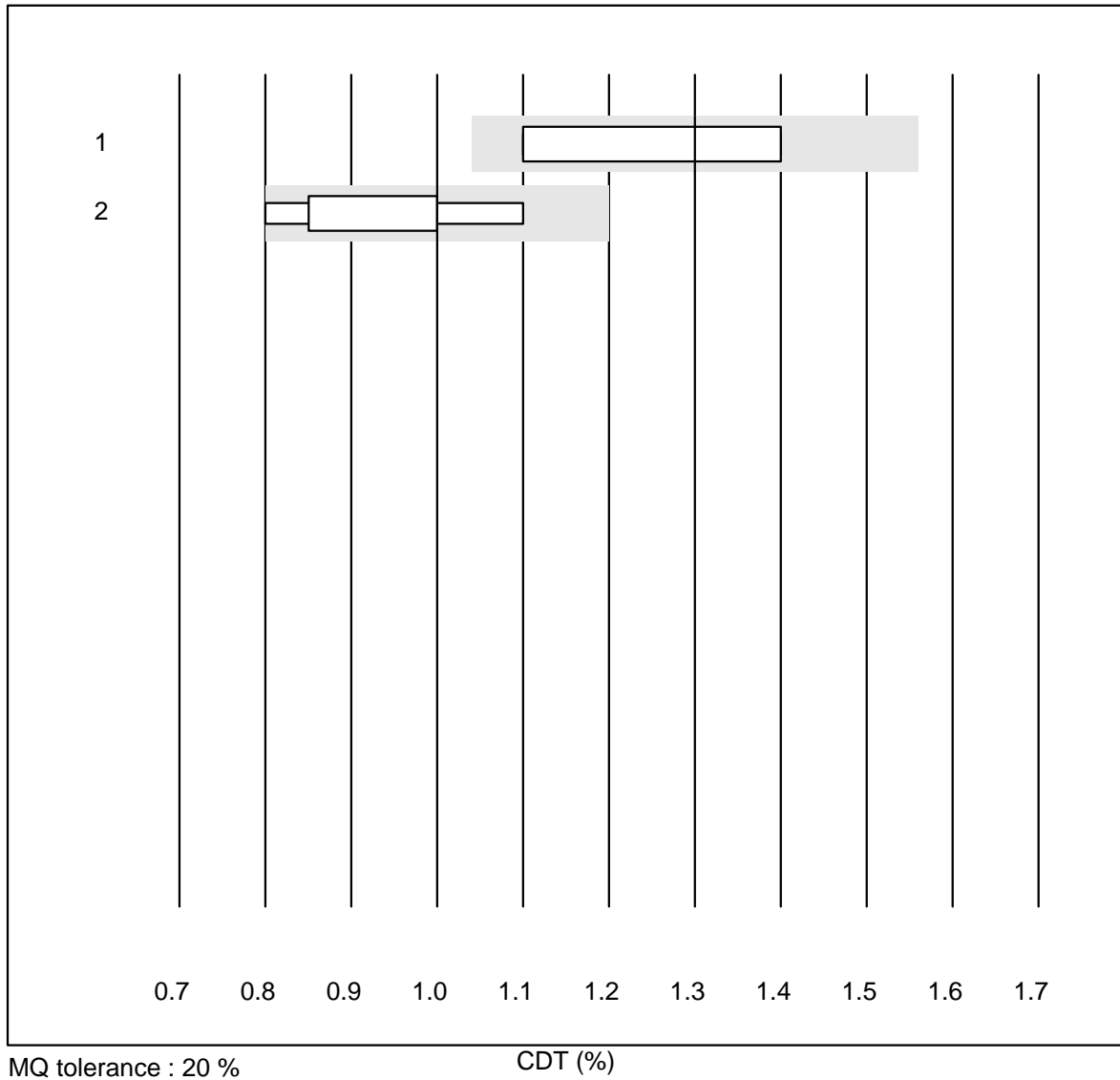


MQ tolerance : 20 %

Albumine CSF (mg/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas	5	100.0	0.0	0.0	287.00	1.5	e
2	Other methods	4	100.0	0.0	0.0	313.60	0.8	e

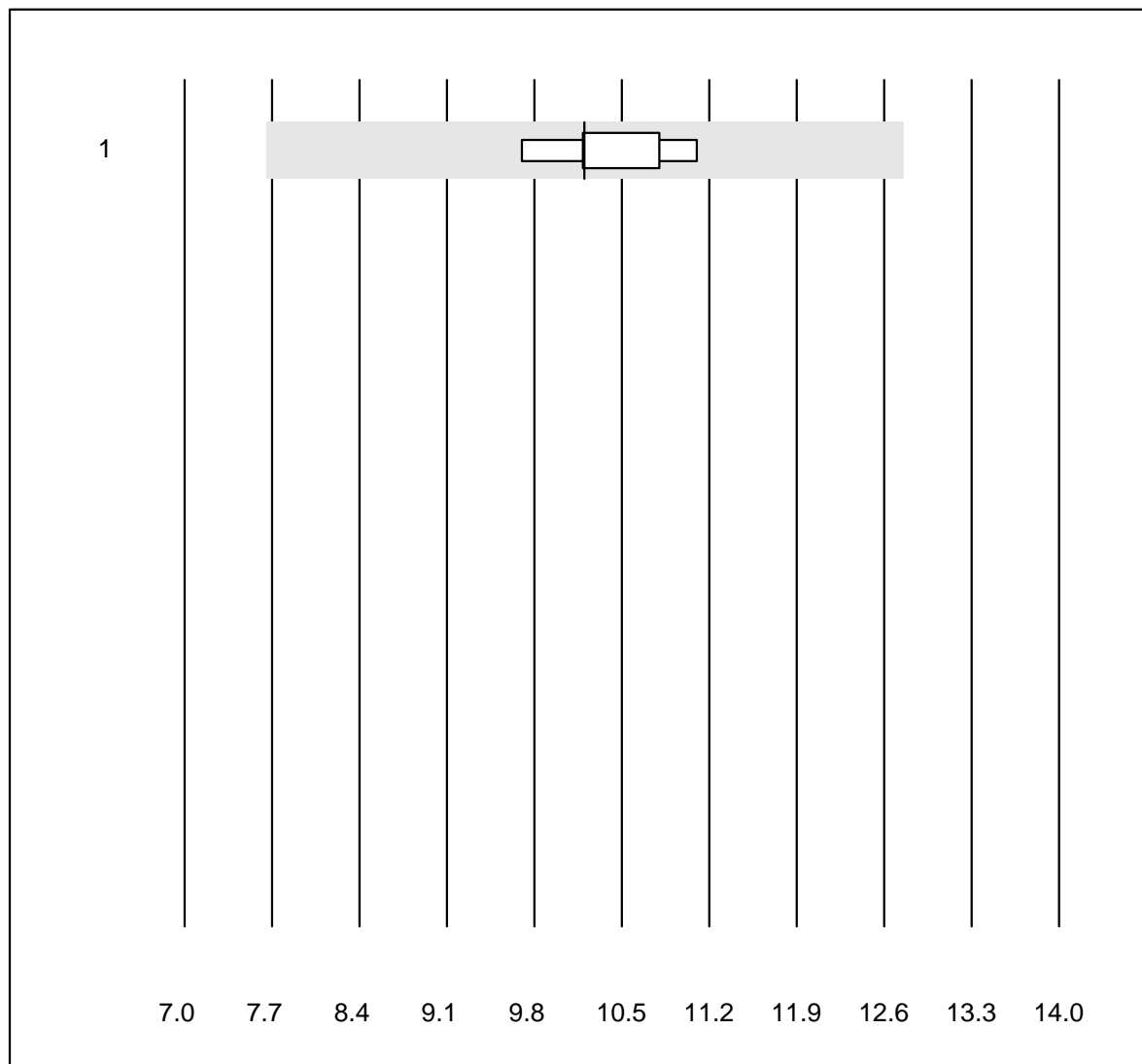
## CDT



MQ tolerance : 20 %

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Immunoassay	4	100.0	0.0	0.0	1.30	11.8	e*
2	all Participants	7	85.7	14.3	0.0	1.00	10.8	e*

# Tacrolimus

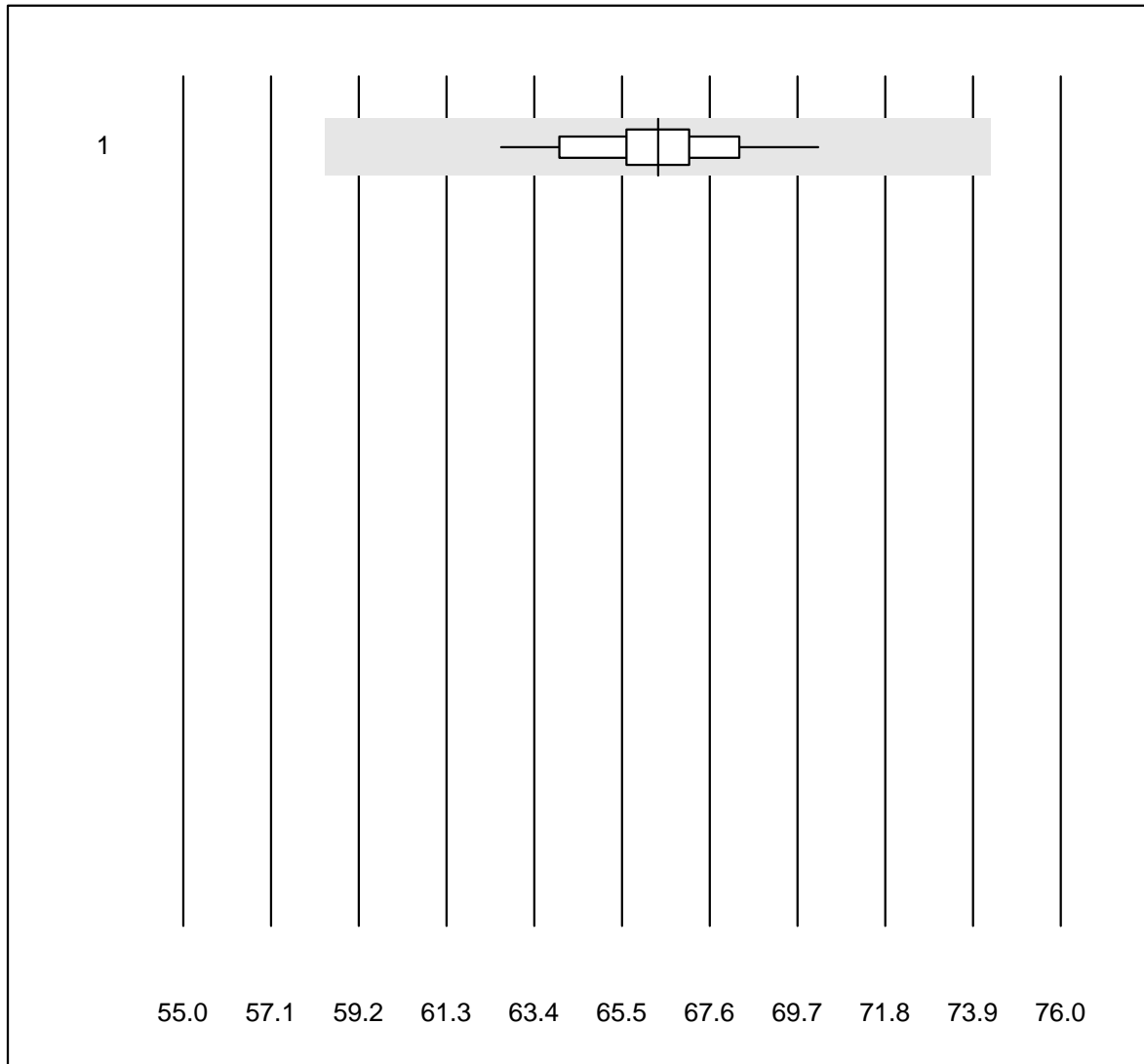


MQ tolerance : 25 %

Tacrolimus (µg/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 all Participants	9	100.0	0.0	0.0	10.2	4.6	e

## Totalprotein E

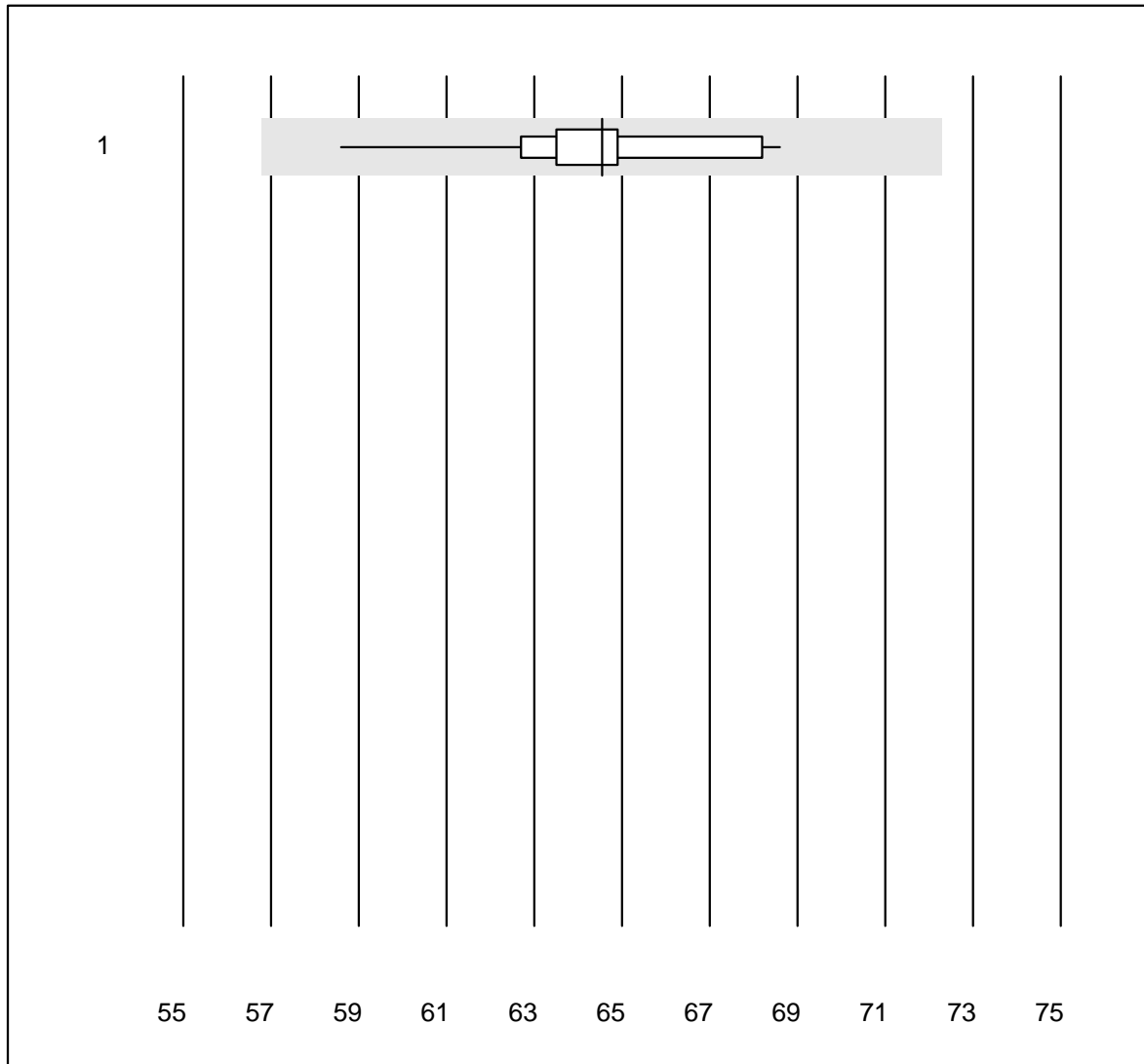


MQ tolerance : 12 %

Totalprotein E (g/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	all Participants	19	100.0	0.0	0.0	66.4	2.5	e

## Albumin E

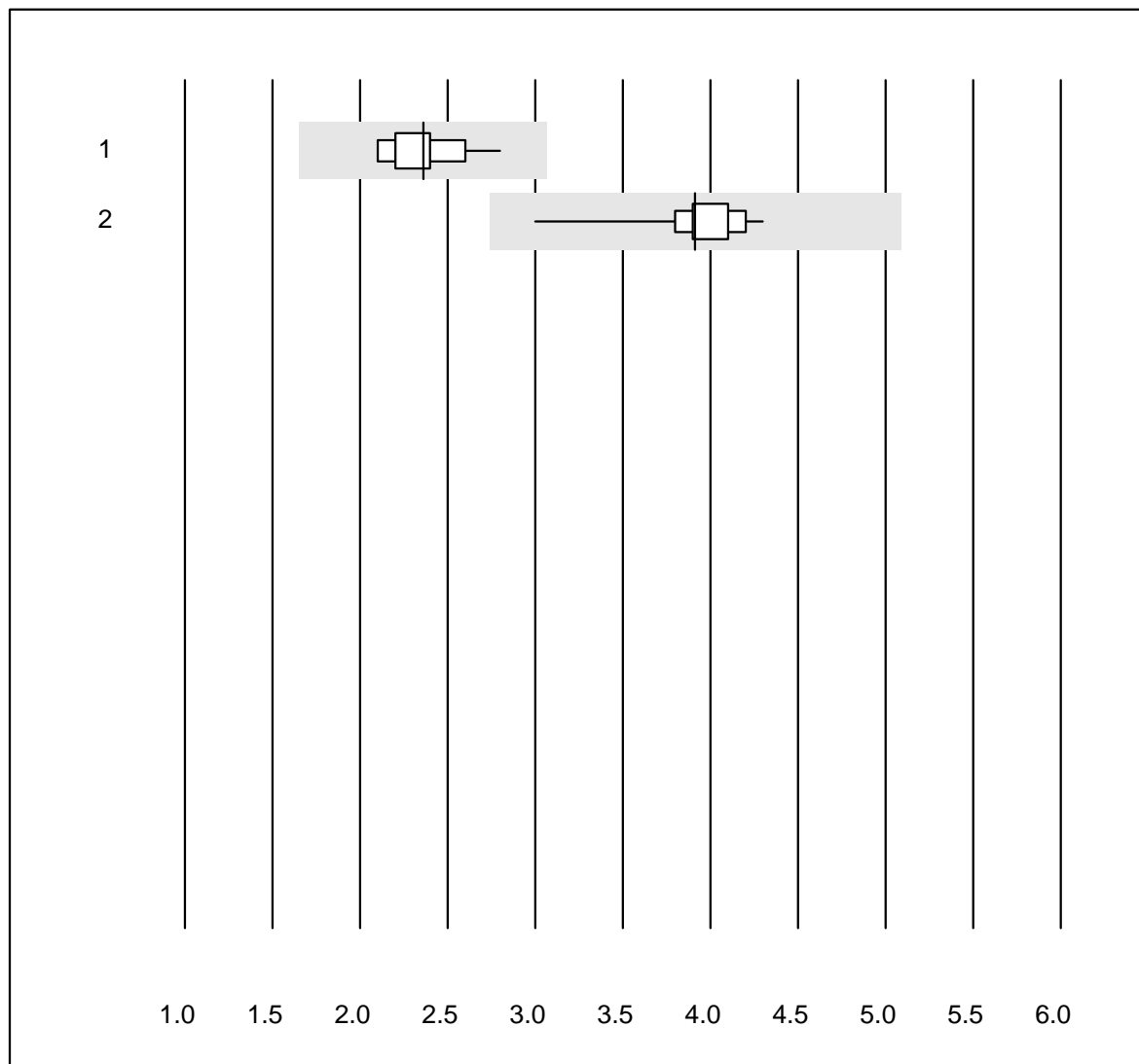


MQ tolerance : 12 %

Albumin E (%)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Electrophoresis	32	100.0	0.0	0.0	64.5	3.5	e

## alpha-1-Globuline

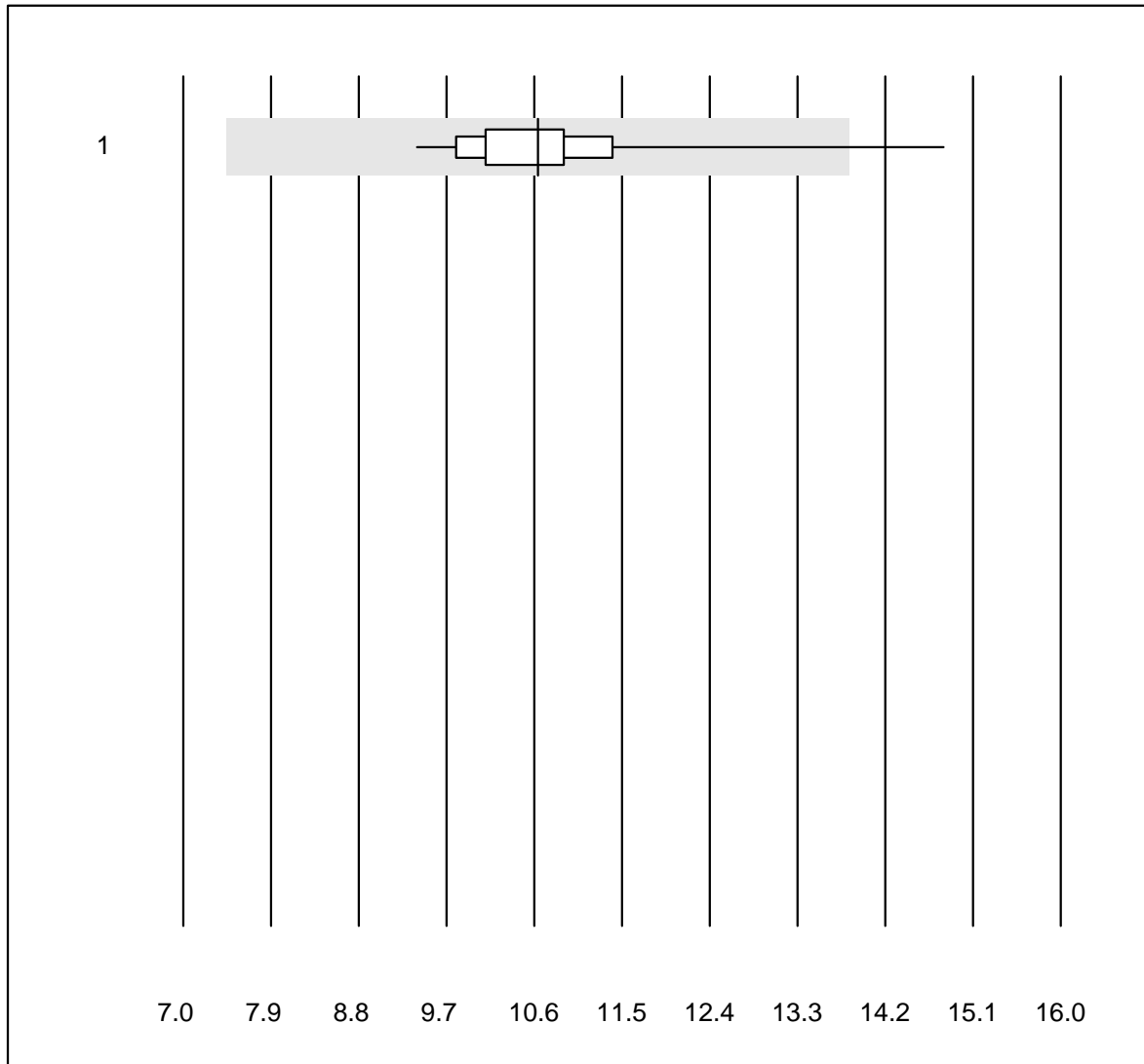


MQ tolerance : 30 %

alpha-1-Globuline (%)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Electrophoresis	10	100.0	0.0	0.0	2.4	9.0	e
2	capillary electropho	22	100.0	0.0	0.0	3.9	8.0	e

## alpha-2-Globuline

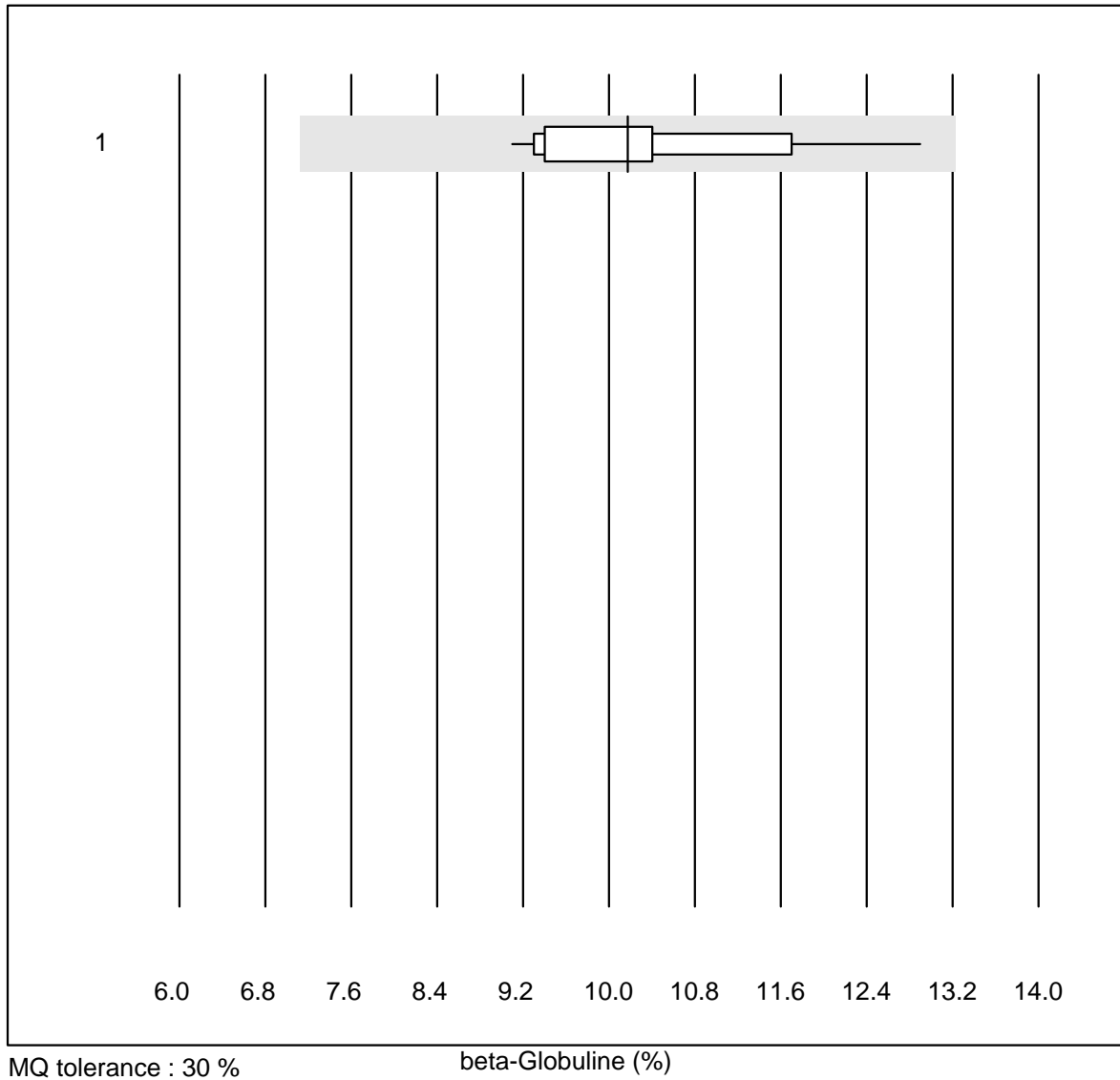


MQ tolerance : 30 %

alpha-2-Globuline (%)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Electrophoresis	32	96.9	3.1	0.0	10.6	9.7	e

## beta-Globuline



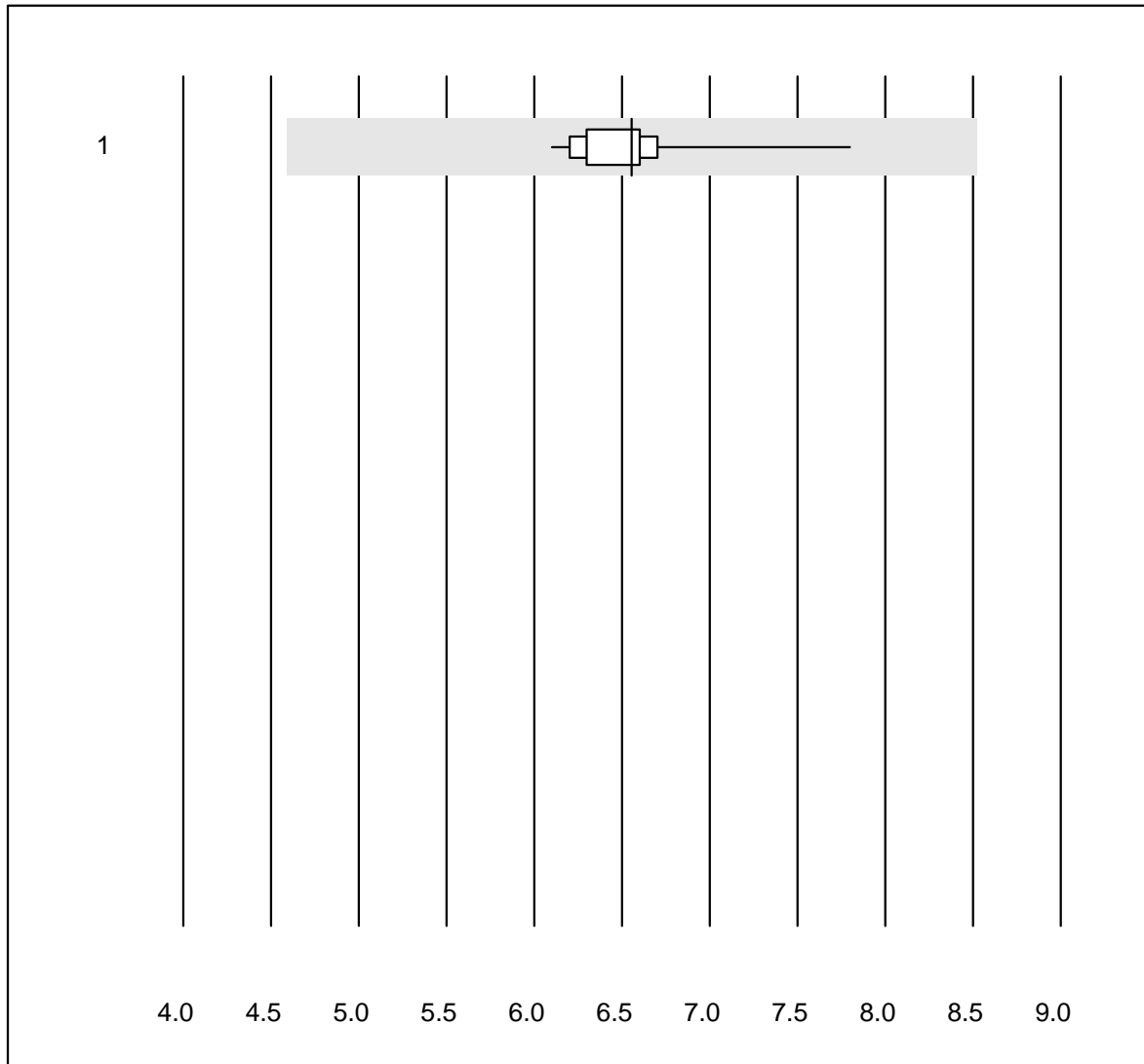
MQ tolerance : 30 %

beta-Globuline (%)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Electrophoresis	16	100.0	0.0	0.0	10.2	9.6	e



## Beta-1-Globulin

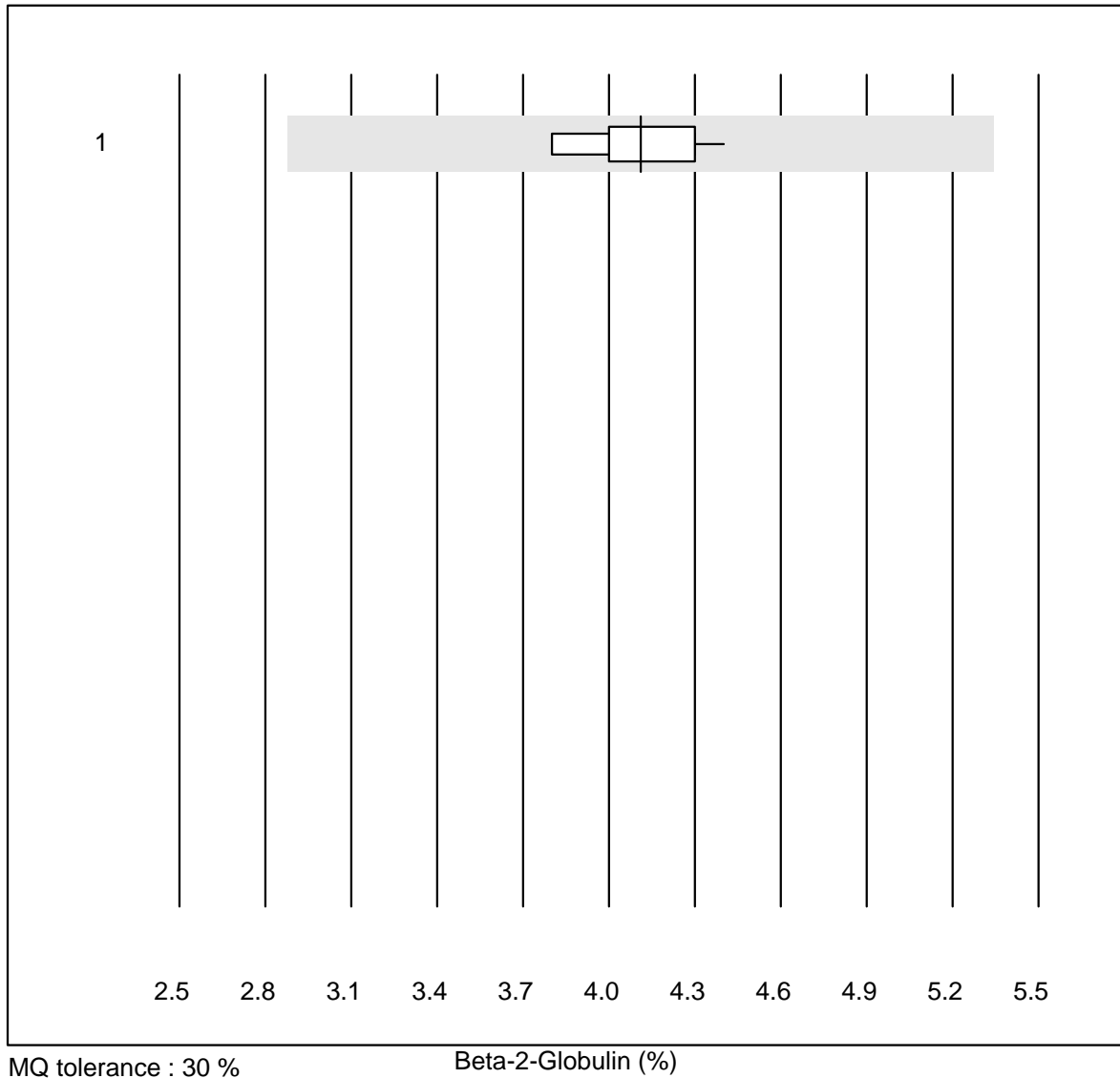


MQ tolerance : 30 %

Beta-1-Globulin (%)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Electrophoresis	11	100.0	0.0	0.0	6.6	6.9	e

## Beta-2-Globulin

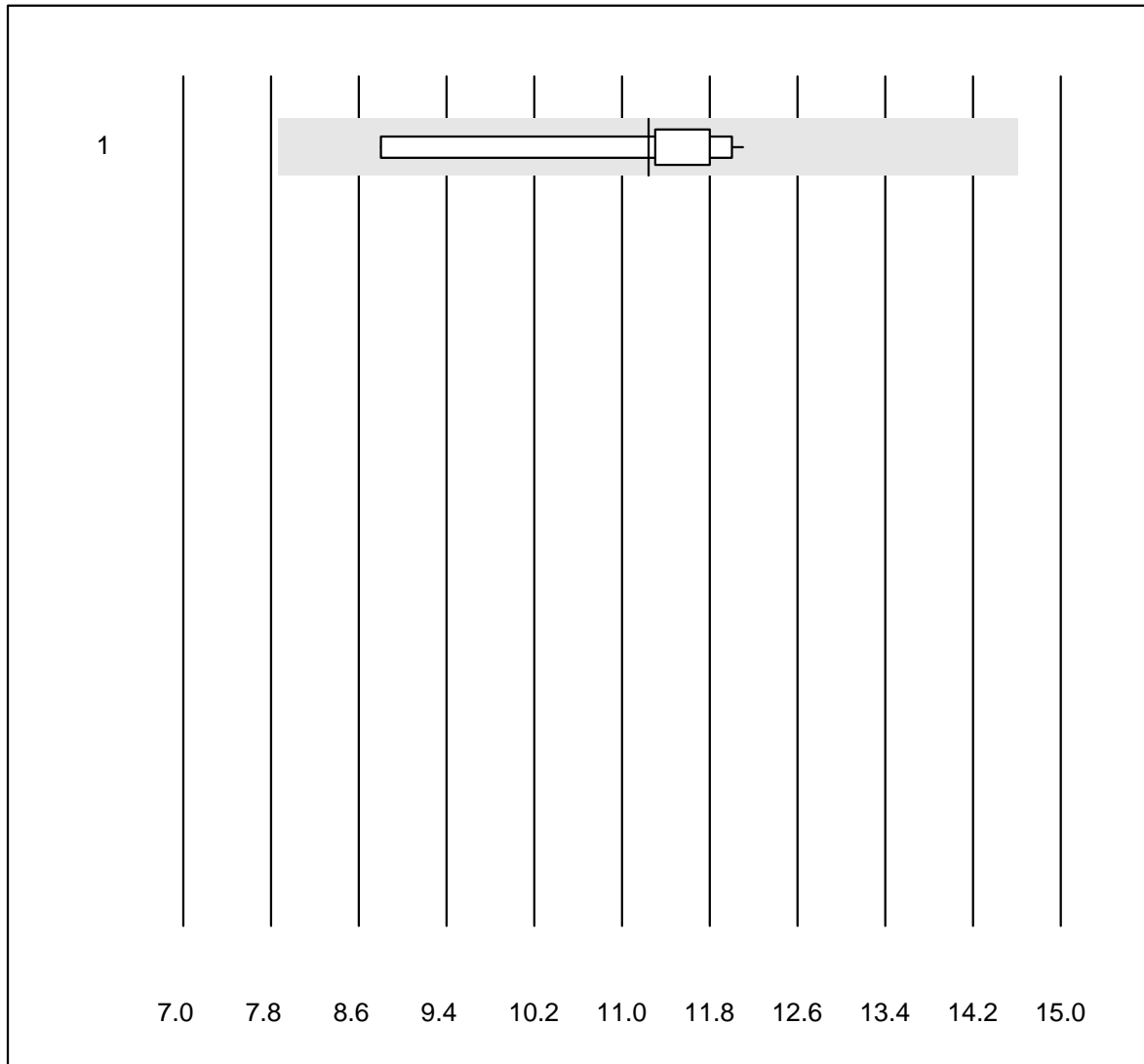


MQ tolerance : 30 %

Beta-2-Globulin (%)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Electrophoresis	10	100.0	0.0	0.0	4.1	4.7	e

## gamma-Globuline

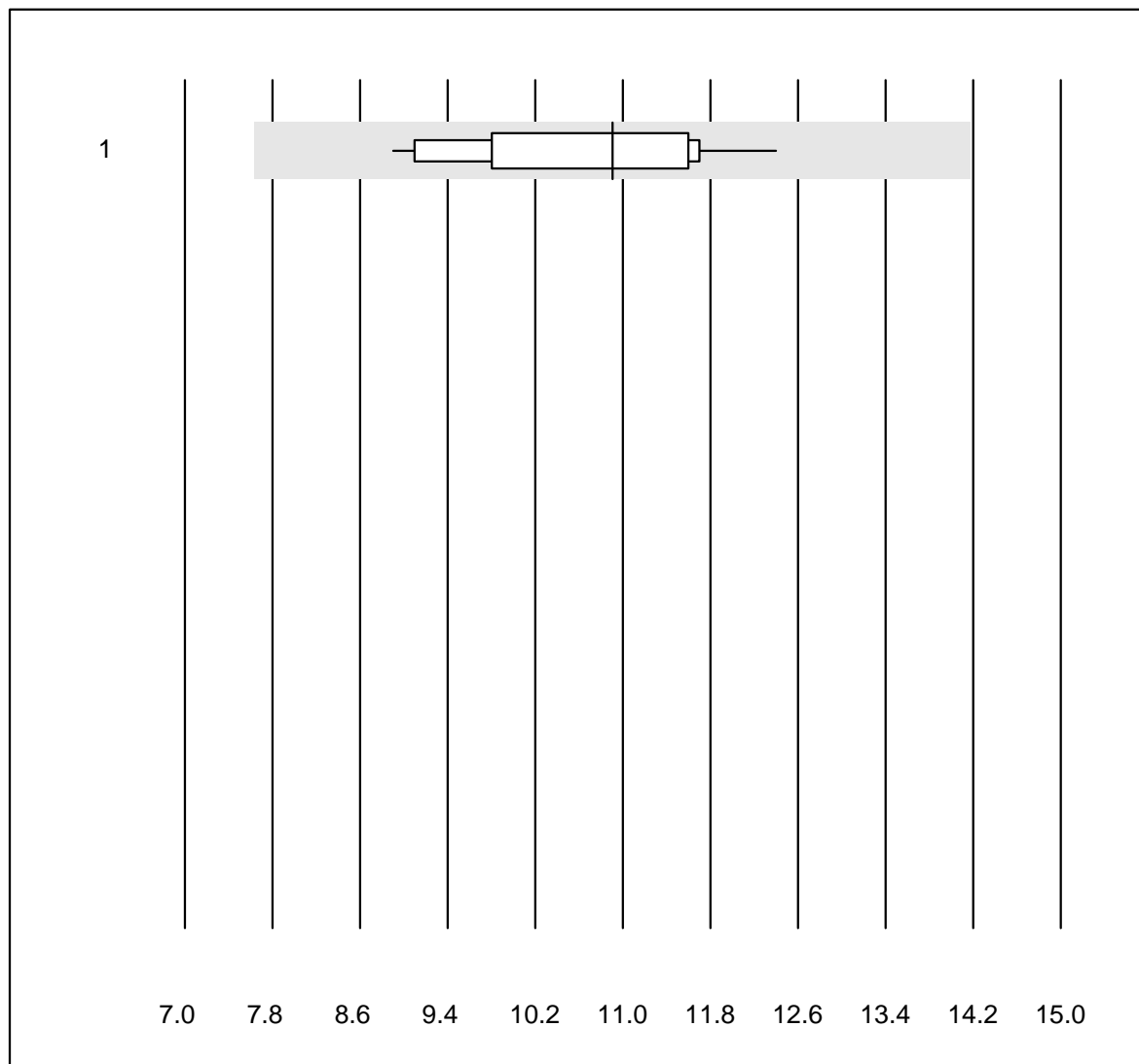


MQ tolerance : 30 %

gamma-Globuline (%)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Electrophoresis	10	100.0	0.0	0.0	11.2	9.1	e

### Gamma-Globuline+P

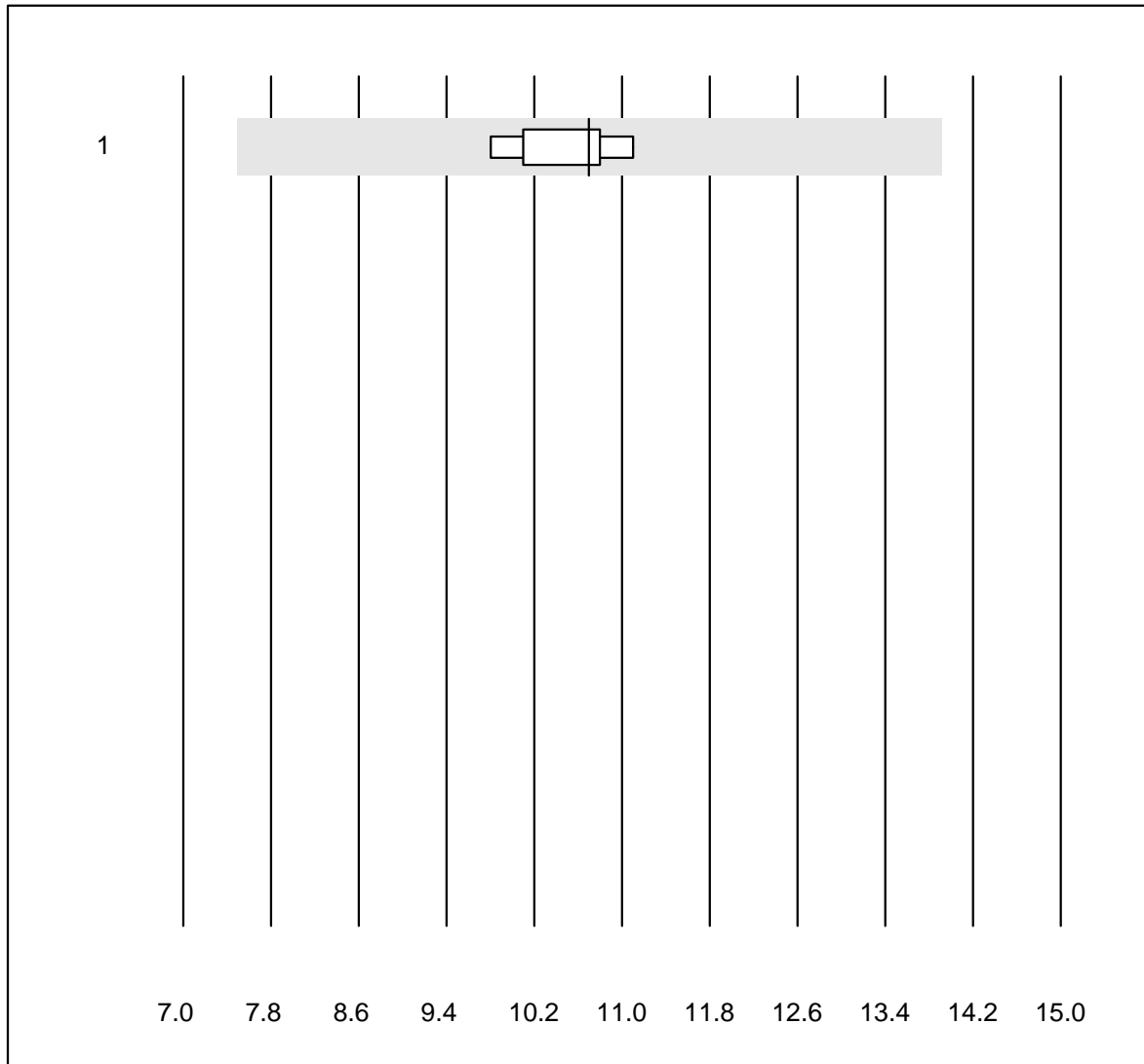


MQ tolerance : 30 %

Gamma-Globuline+P (%)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Electrophoresis	22	100.0	0.0	0.0	10.9	10.3	e

## Beta-Globuline+P

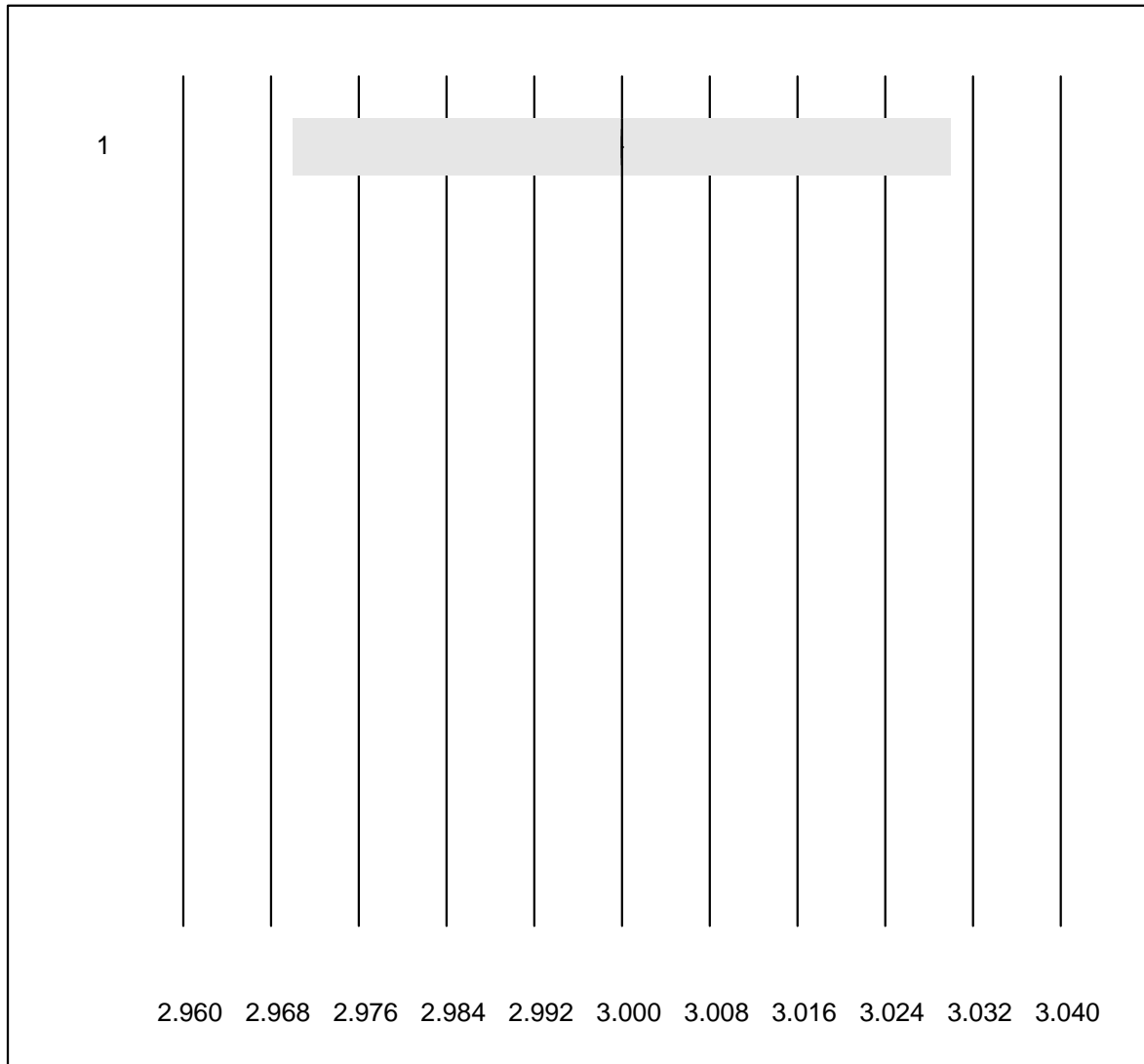


MQ tolerance : 30 %

Beta-Globuline+P (%)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 Electrophoresis	5	100.0	0.0	0.0	10.7	5.1	e

## Immundefixation

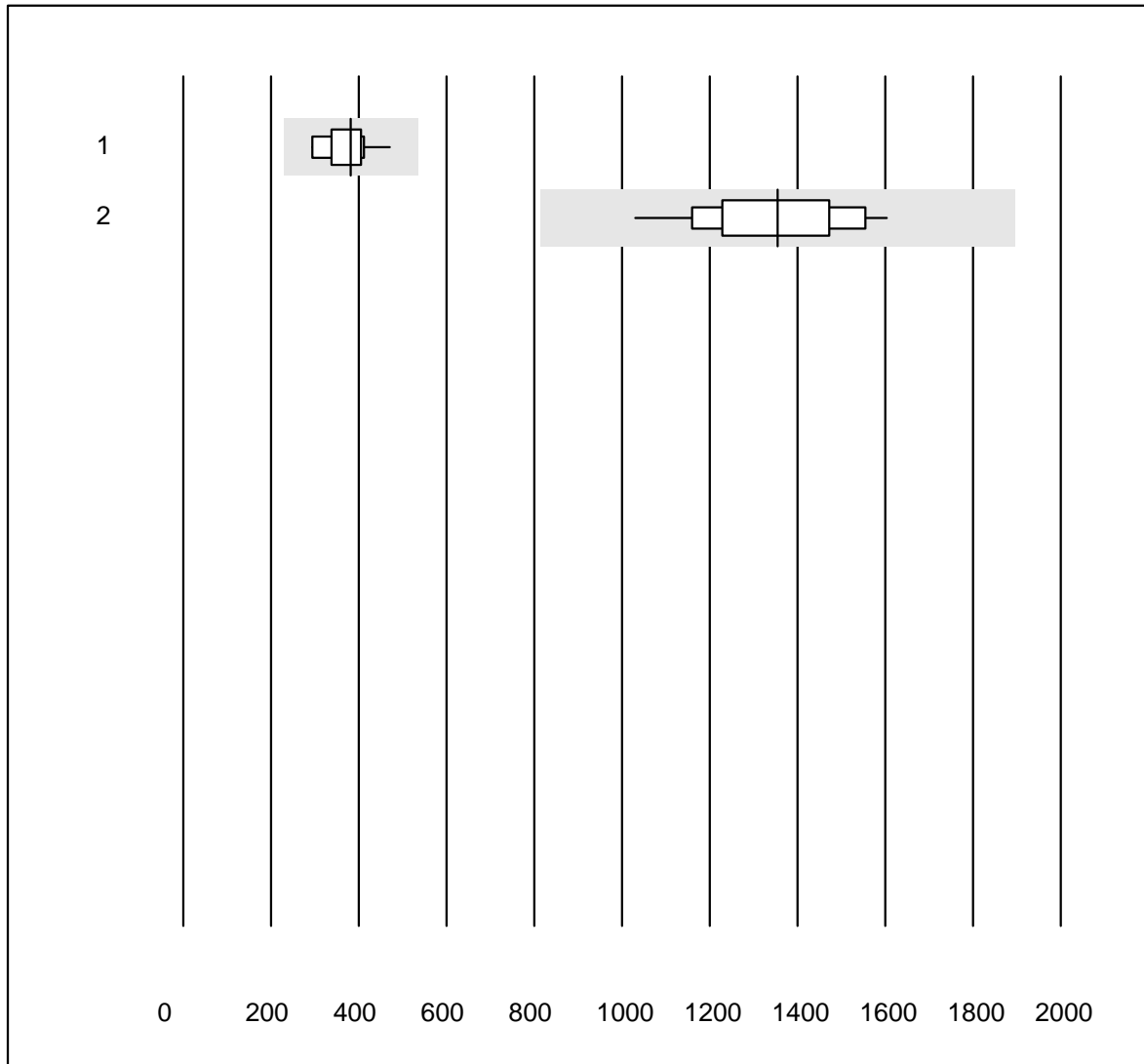


QUALAB tolerance : 1 %

Immundefixation (Code)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Interpretation	26	92.3	0.0	7.7	3	0.0	e

## Folate in Erythrocytes



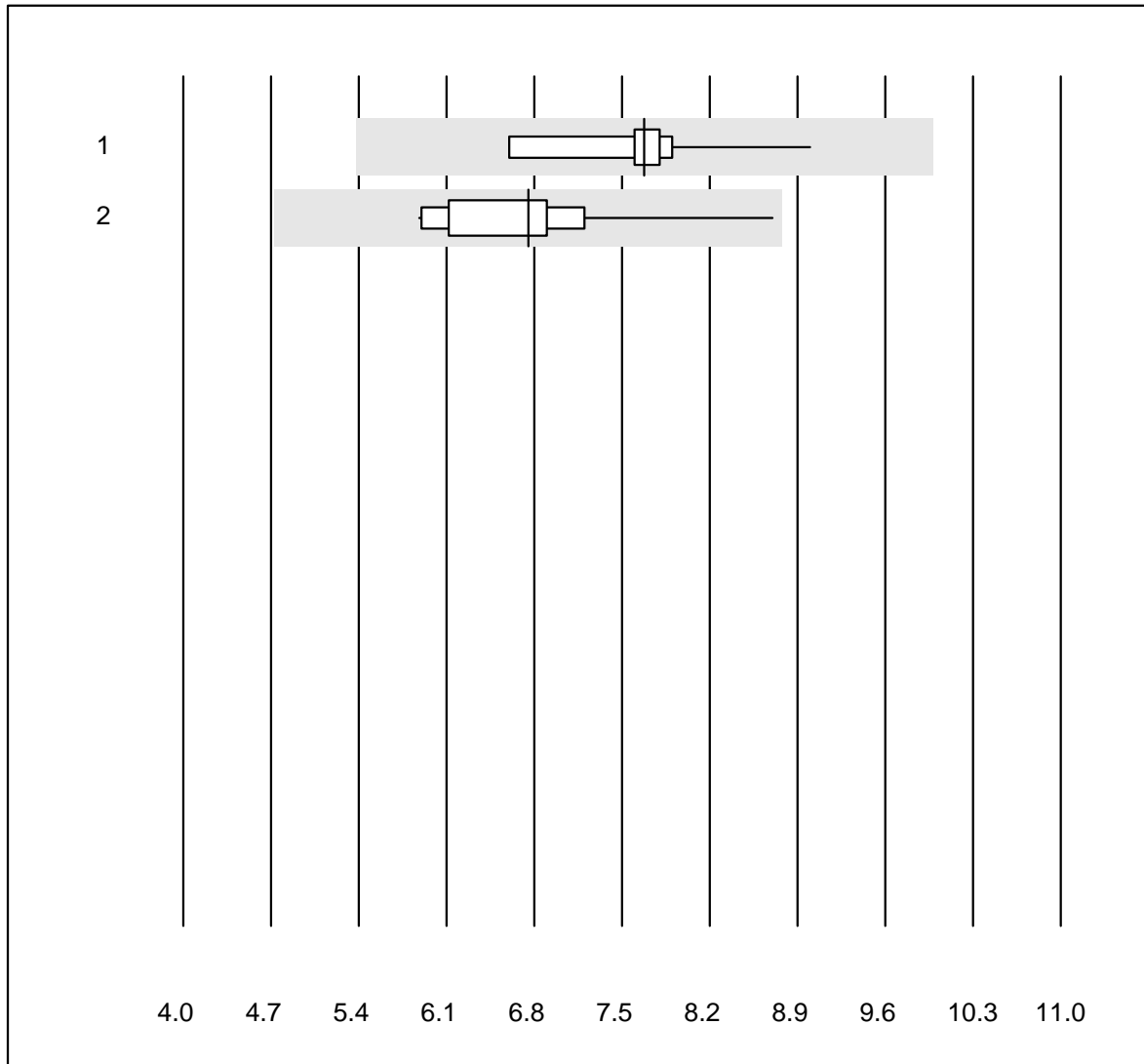
MQ tolerance : 40 %

Folate in Erythrocytes (nmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	11	90.9	0.0	9.1	382	13.8	a
2	Roche, Cobas	22	100.0	0.0	0.0	1355	11.7	e

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

## Gallensäure



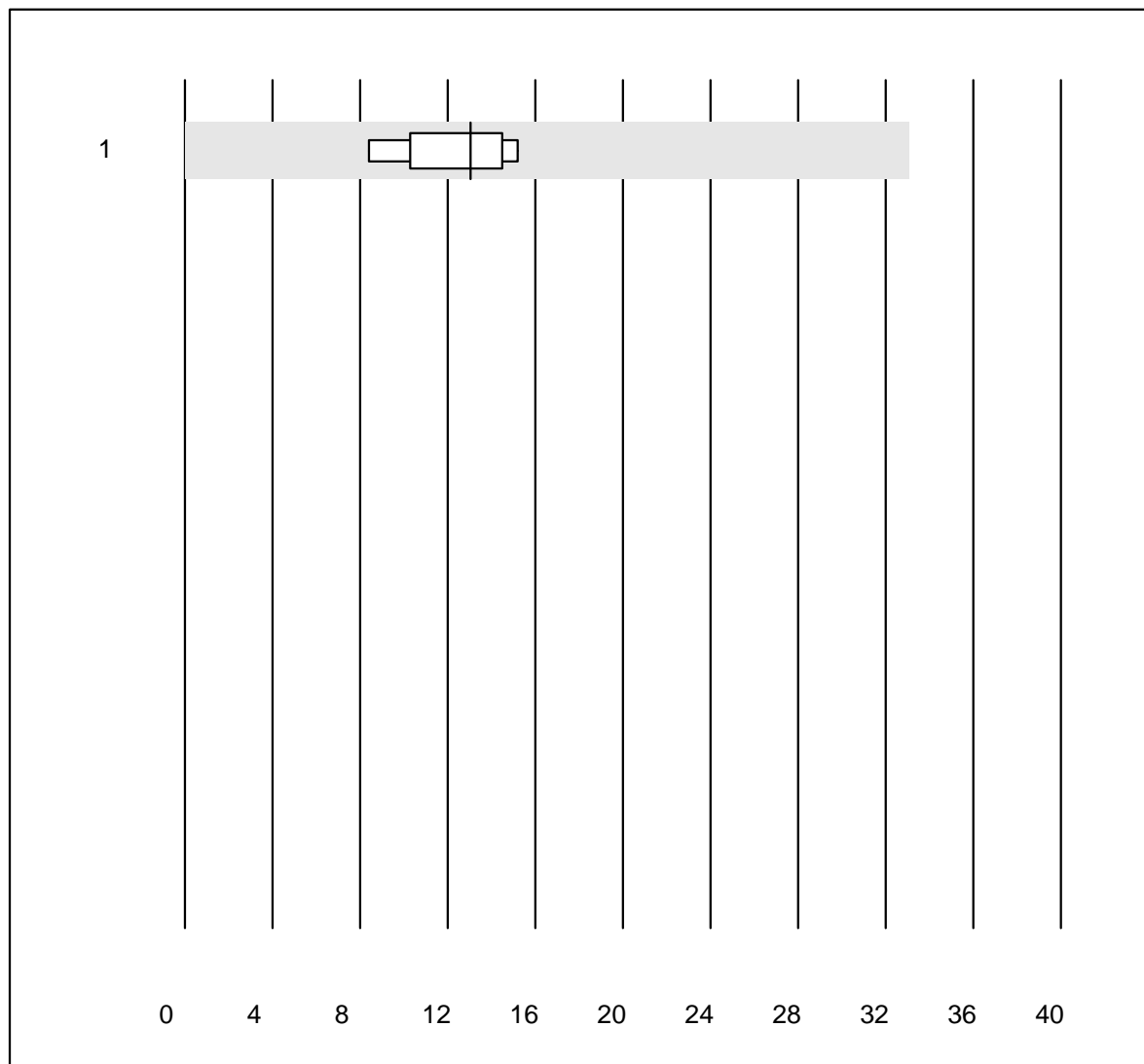
MQ tolerance : 30 %

Gallensäure (µmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Other methods	10	100.0	0.0	0.0	7.7	7.9	e
2	all Participants	16	100.0	0.0	0.0	6.8	10.1	e



# BNP

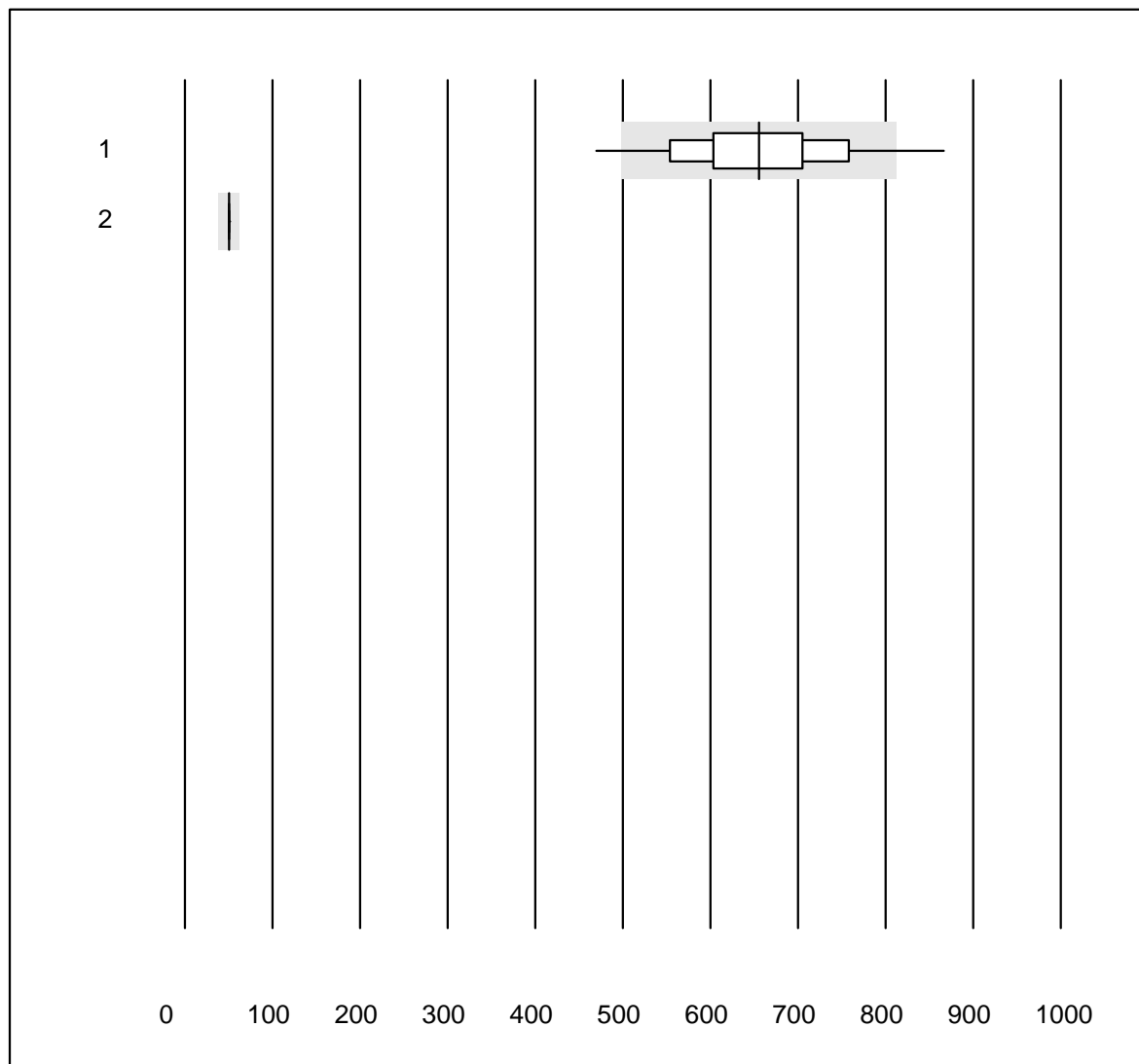


QUALAB tolerance : 27 %  
 (< 75.0: +/- 20.0 ng/l)

BNP (ng/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 Triage	8	87.5	0.0	12.5	13.1	20.2	e*

## Troponin I Triage



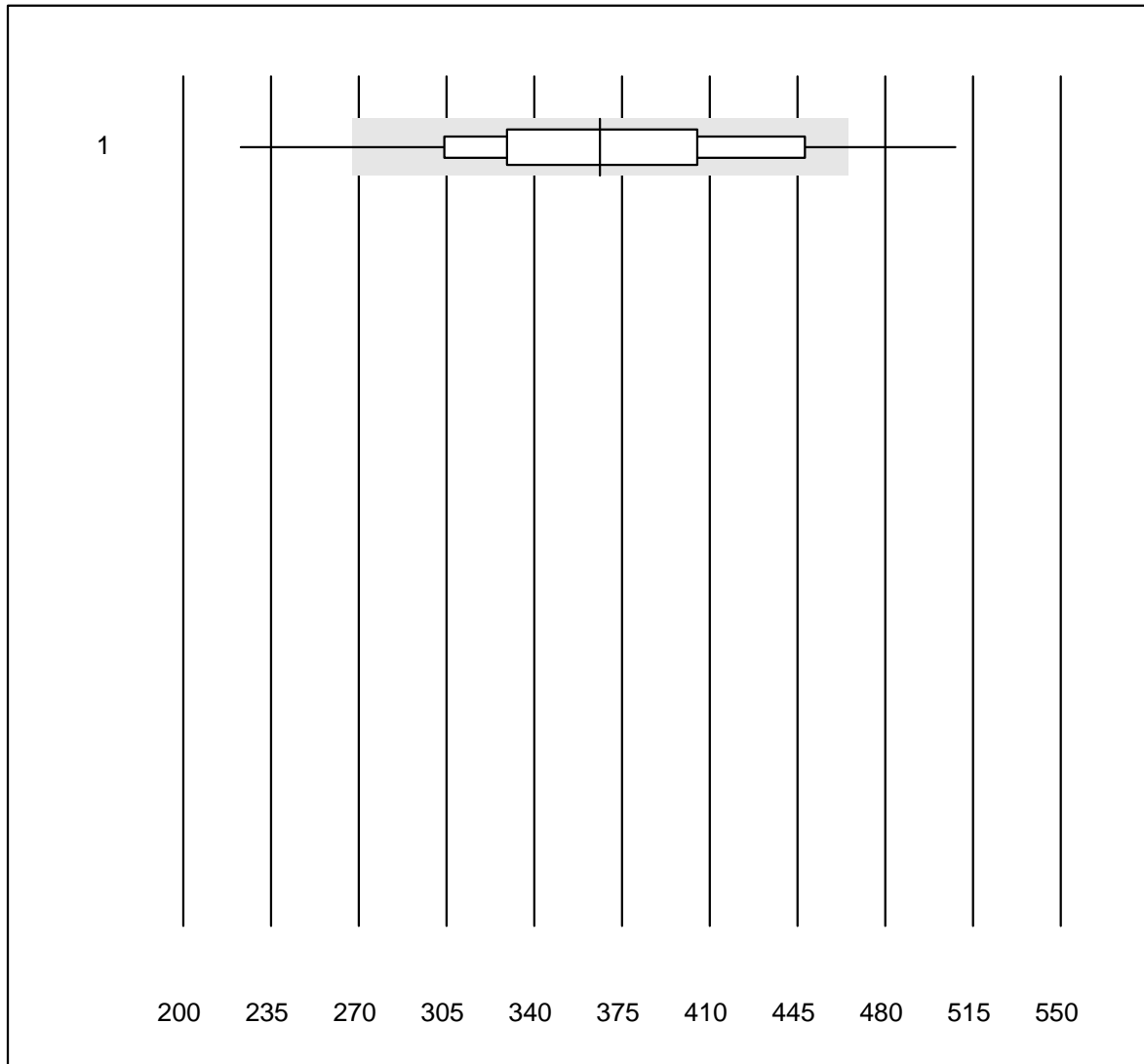
QUALAB tolerance : 24 %

Troponin I Triage (ng/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Triage high sensitiv	175	94.3	4.6	1.1	655.35	11.8	e
2	Triage Next Gen	6	33.3	0.0	66.7	50.00	0.0	e

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

## NT-pro BNP

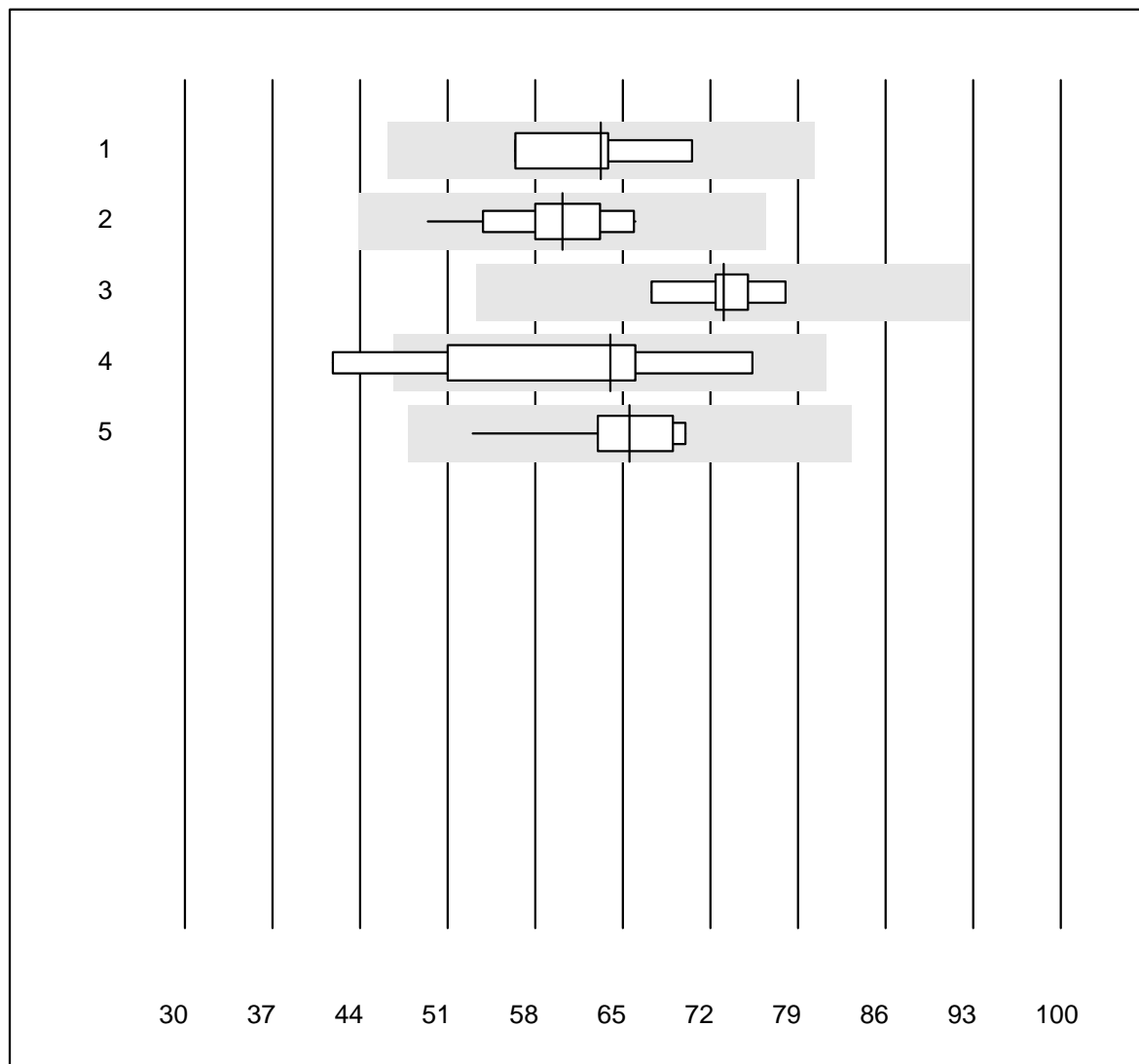


QUALAB tolerance : 27 %

NT-pro BNP (ng/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 Triage	84	90.4	6.0	3.6	366	15.2	e

### Vitamin D 25 (OH)



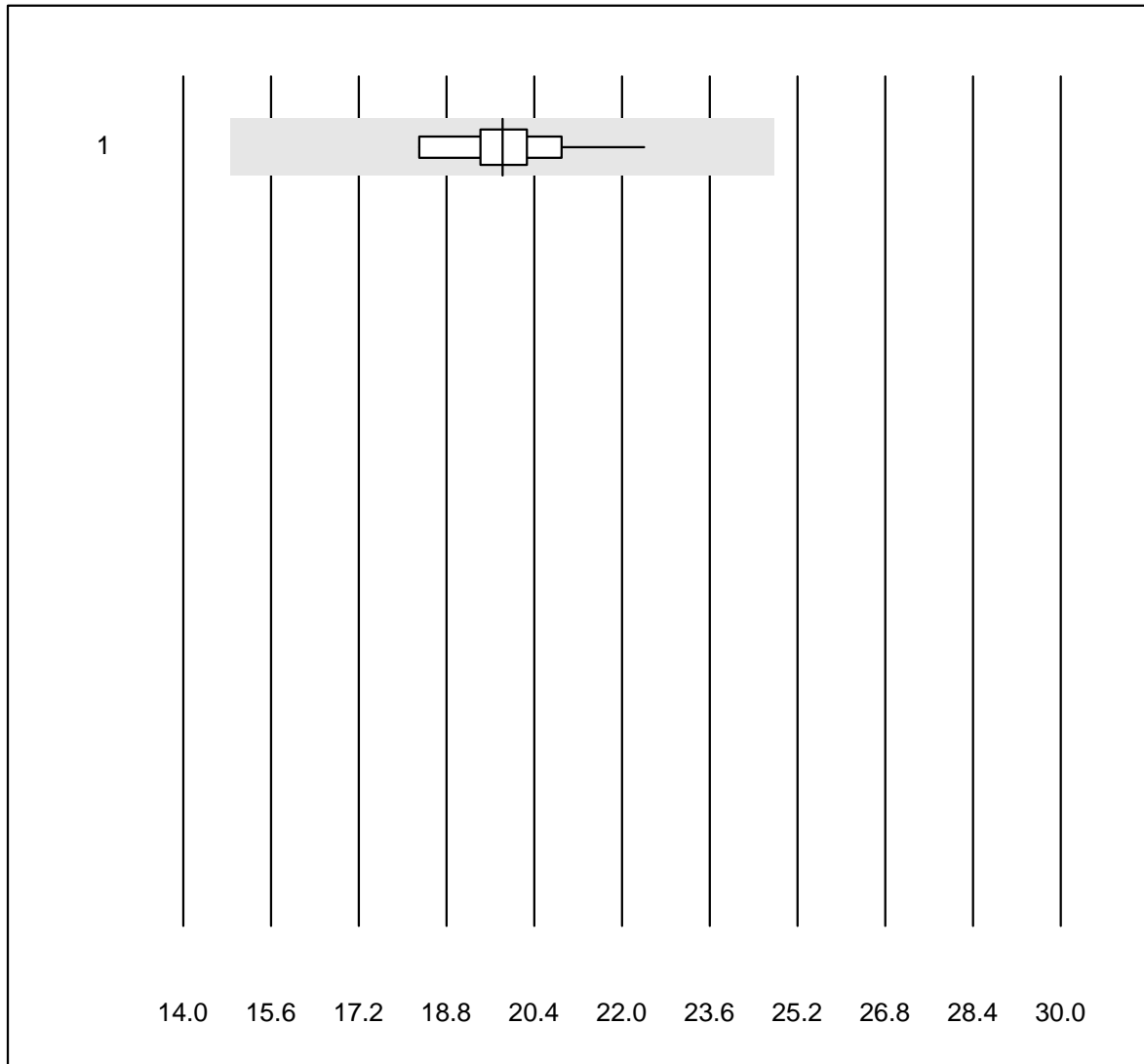
QUALAB tolerance : 27 %

Vitamin D 25 (OH) (nmol/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 LCMS	4	100.0	0.0	0.0	63.2	9.1	e*
2 Cobas	18	100.0	0.0	0.0	60.1	7.3	e
3 VIDAS	6	100.0	0.0	0.0	73.0	4.8	e
4 Other methods	9	77.8	11.1	11.1	64.0	19.0	e*
5 Architect	11	100.0	0.0	0.0	65.5	7.3	e

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

# AMH



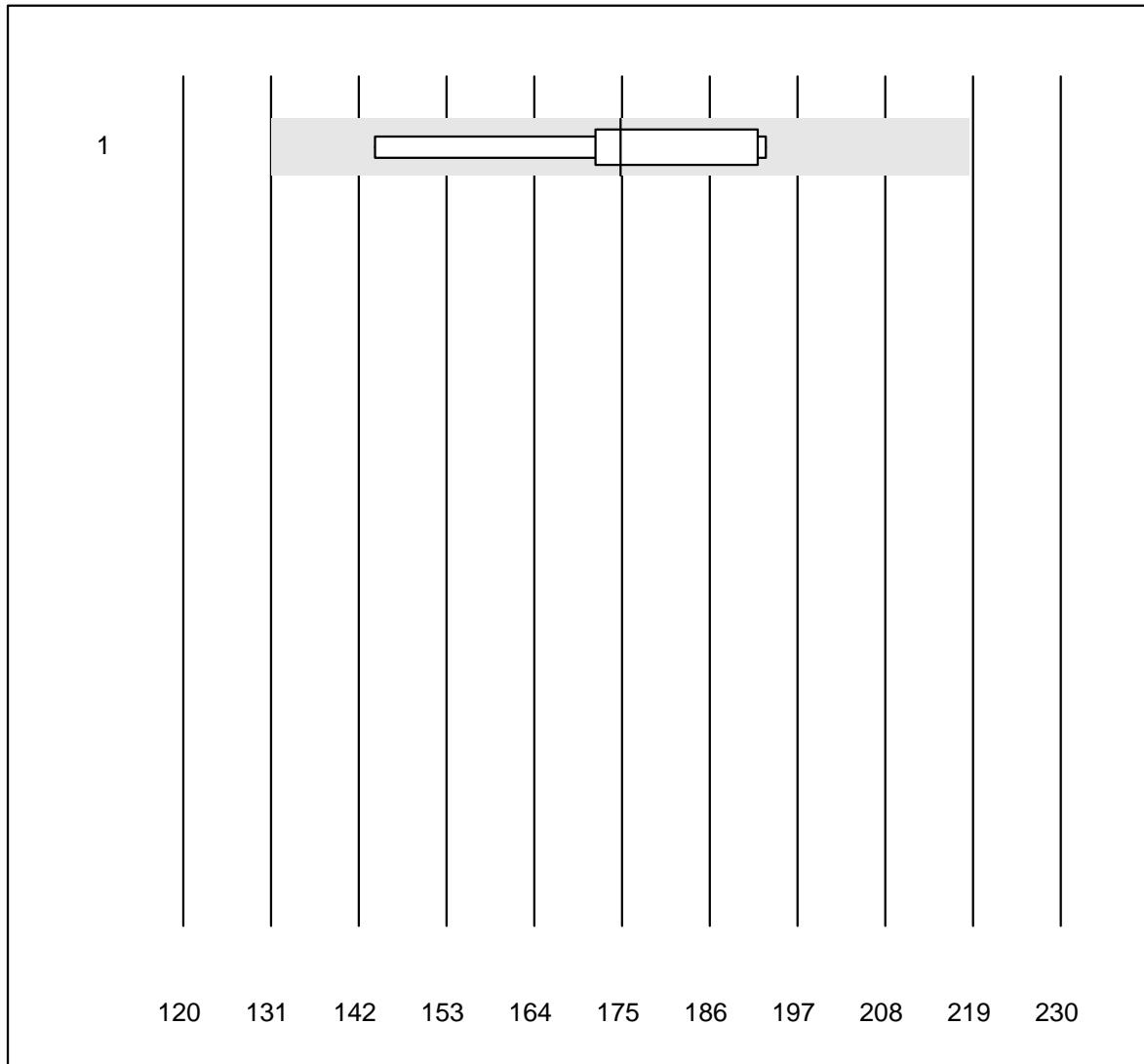
MQ tolerance : 25 %

AMH (pmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	all Participants	18	100.0	0.0	0.0	19.8	4.9	e

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

# Inhibin B

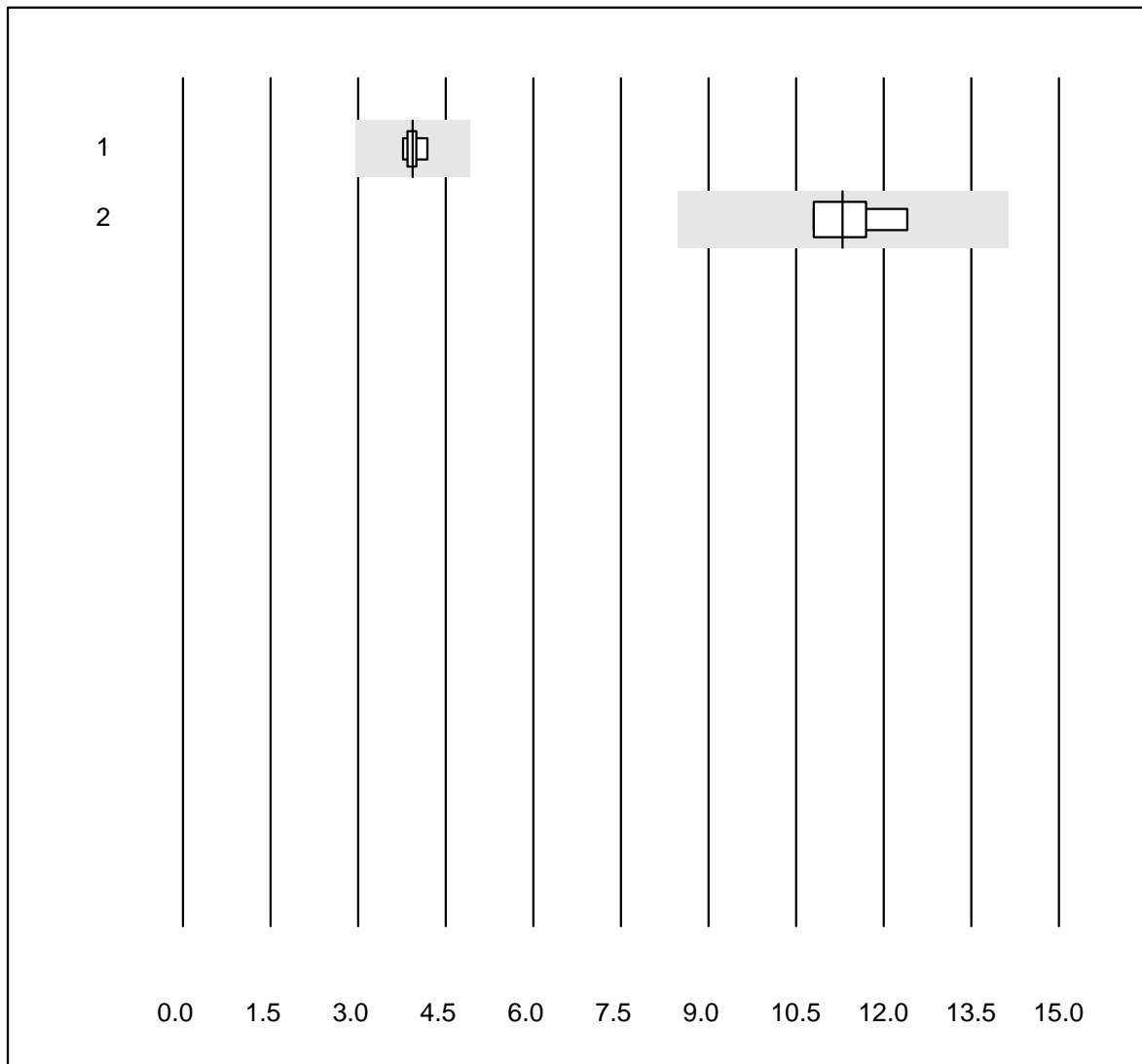


MQ tolerance : 25 %

Inhibin B (ng/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 all Participants	7	85.7	0.0	14.3	174.8	10.3	e*

# Calcitonin

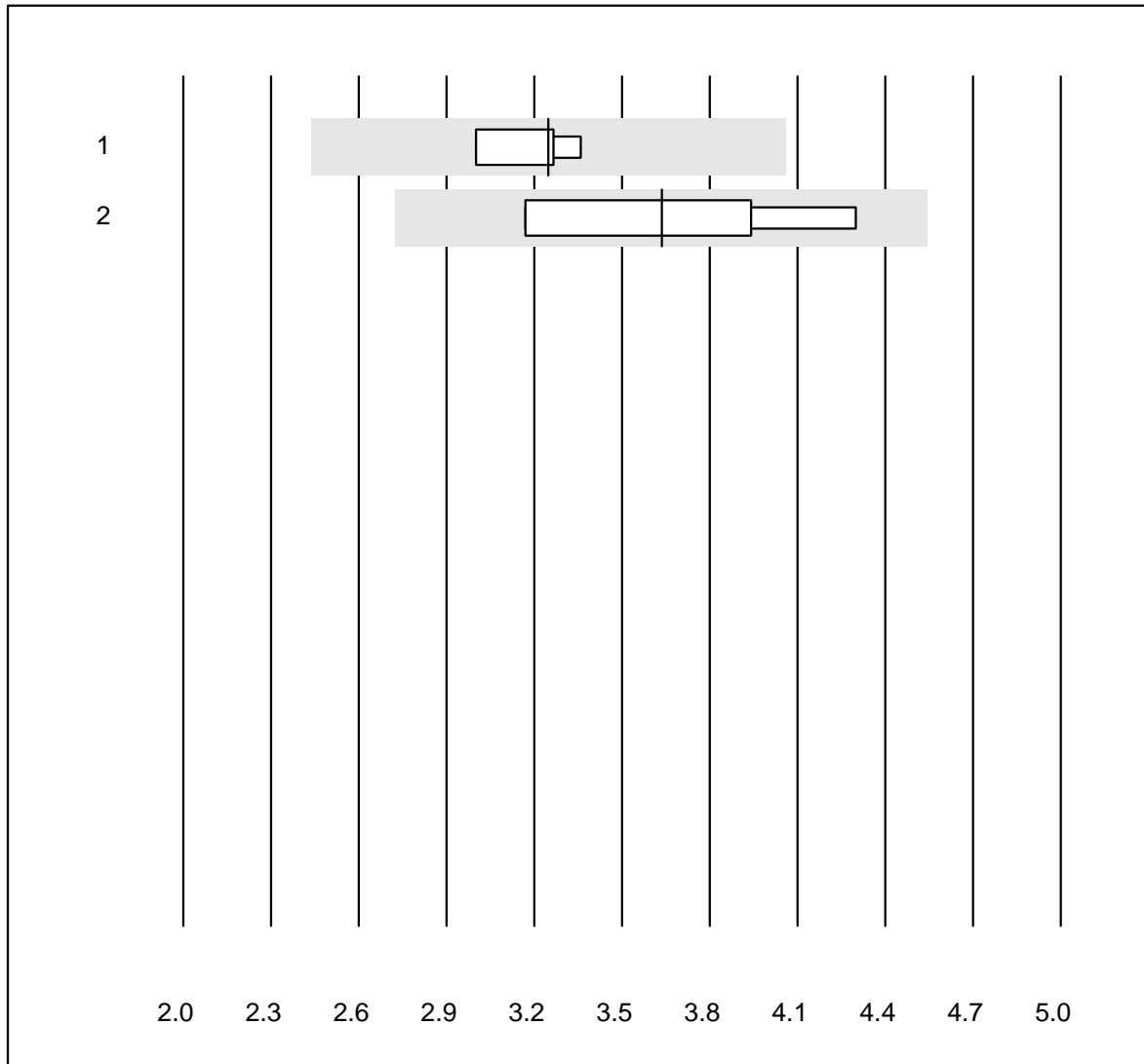


MQ tolerance : 25 %

Calcitonin (pmol/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 Liaison	5	100.0	0.0	0.0	3.9	4.0	e
2 Other methods	7	100.0	0.0	0.0	11.3	5.0	e

## IGF-BP3



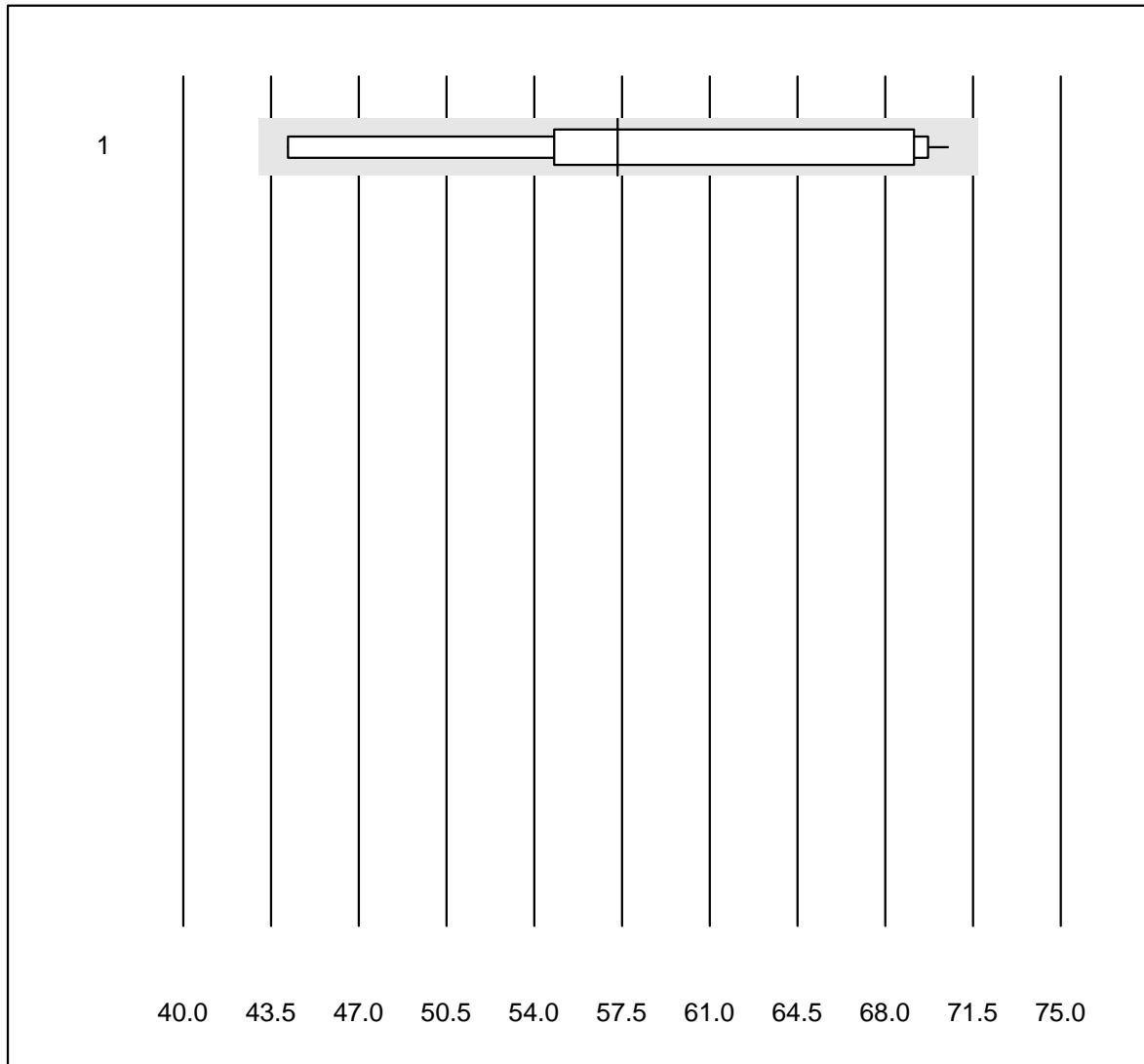
MQ tolerance : 25 %

IGF-BP3 (mg/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas	4	100.0	0.0	0.0	3.25	4.8	e
2	all Participants	4	100.0	0.0	0.0	3.64	14.3	e*



# Renin



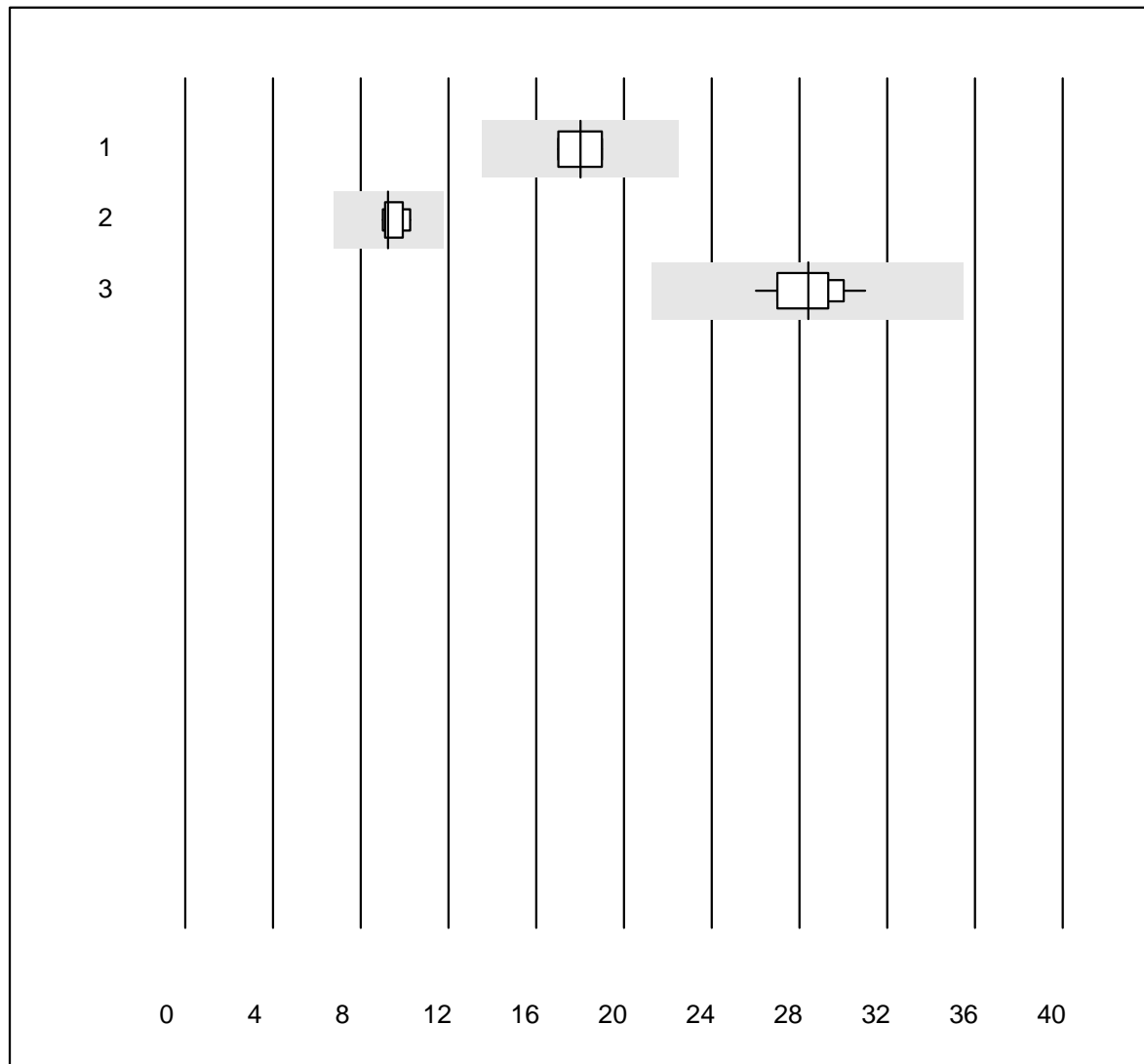
MQ tolerance : 25 %

Renin (mU/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Liaison	10	100.0	0.0	0.0	57.3	15.4	a

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

## Anti Thyreoglobulin



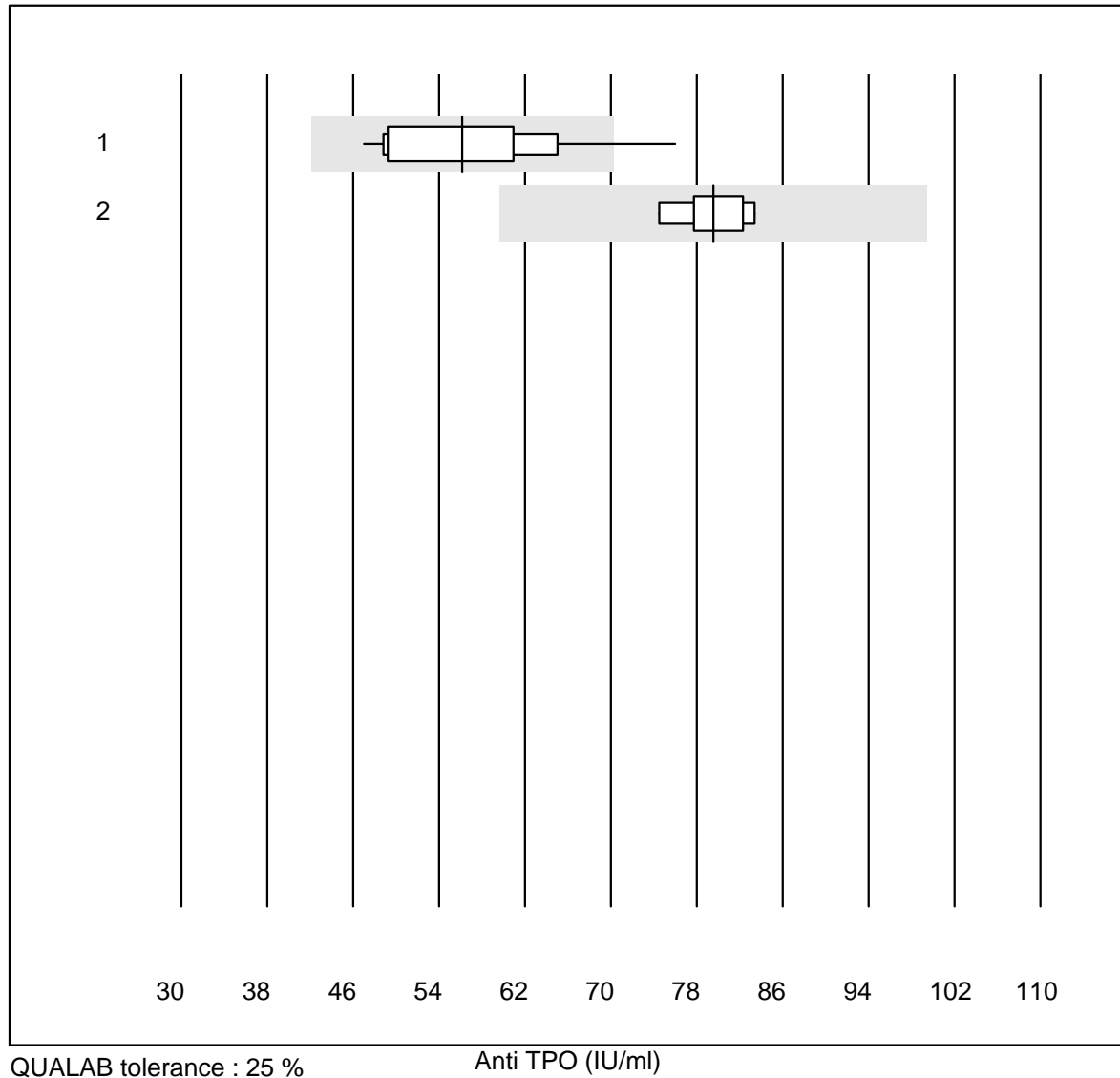
MQ tolerance : 25 %  
( < 10: +/- 3 IU/ml)

Anti Thyreoglobulin (IU/ml)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 Phadia	4	75.0	0.0	25.0	18	5.6	a
2 Alinity	6	100.0	0.0	0.0	9	5.3	e
3 Cobas	11	100.0	0.0	0.0	28	5.1	e

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

## Anti TPO



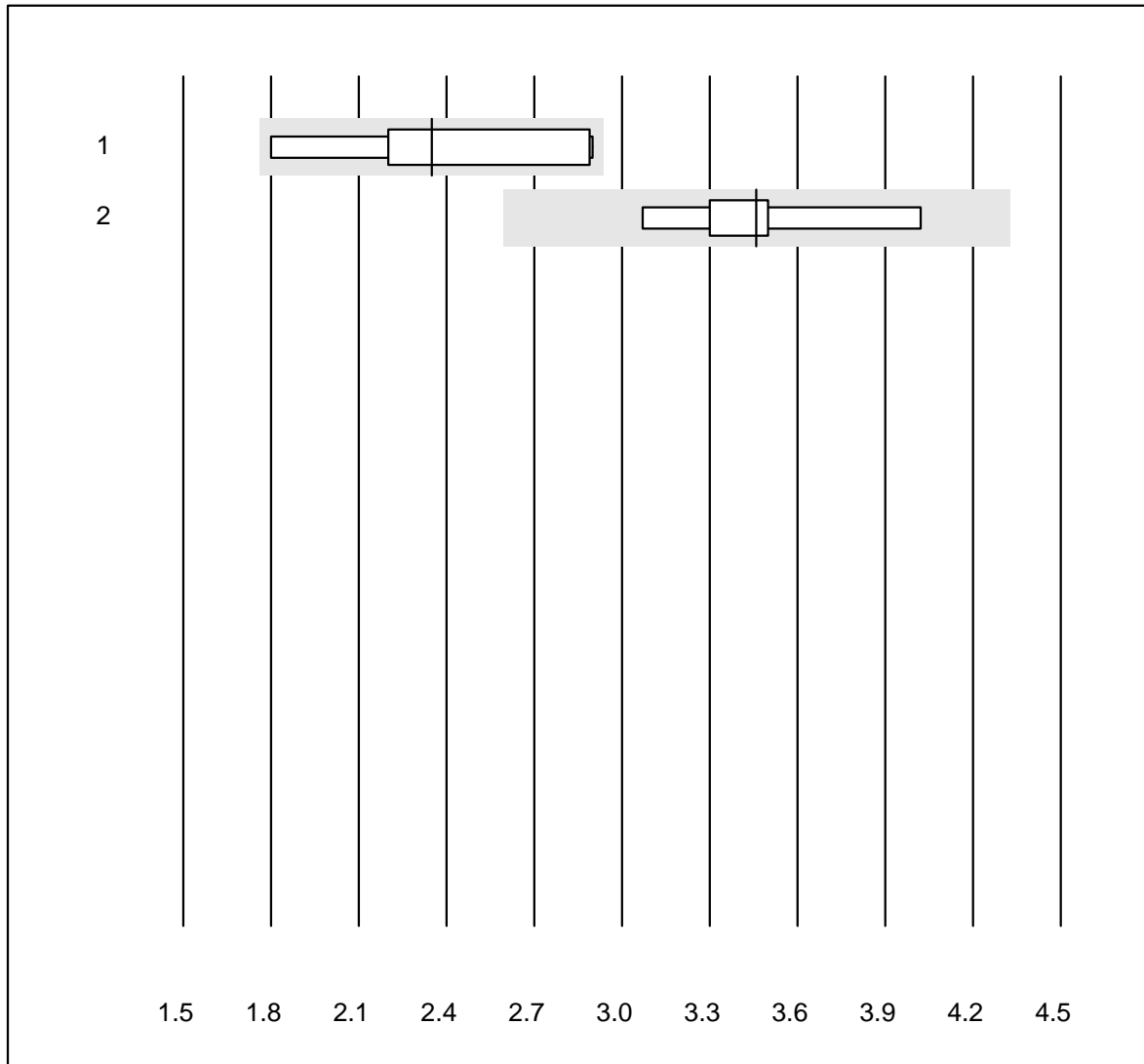
QUALAB tolerance : 25 %

Anti TPO (IU/ml)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas	13	84.6	7.7	7.7	56	14.8	e*
2	Abbott	6	100.0	0.0	0.0	80	4.0	e

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

# TRAK



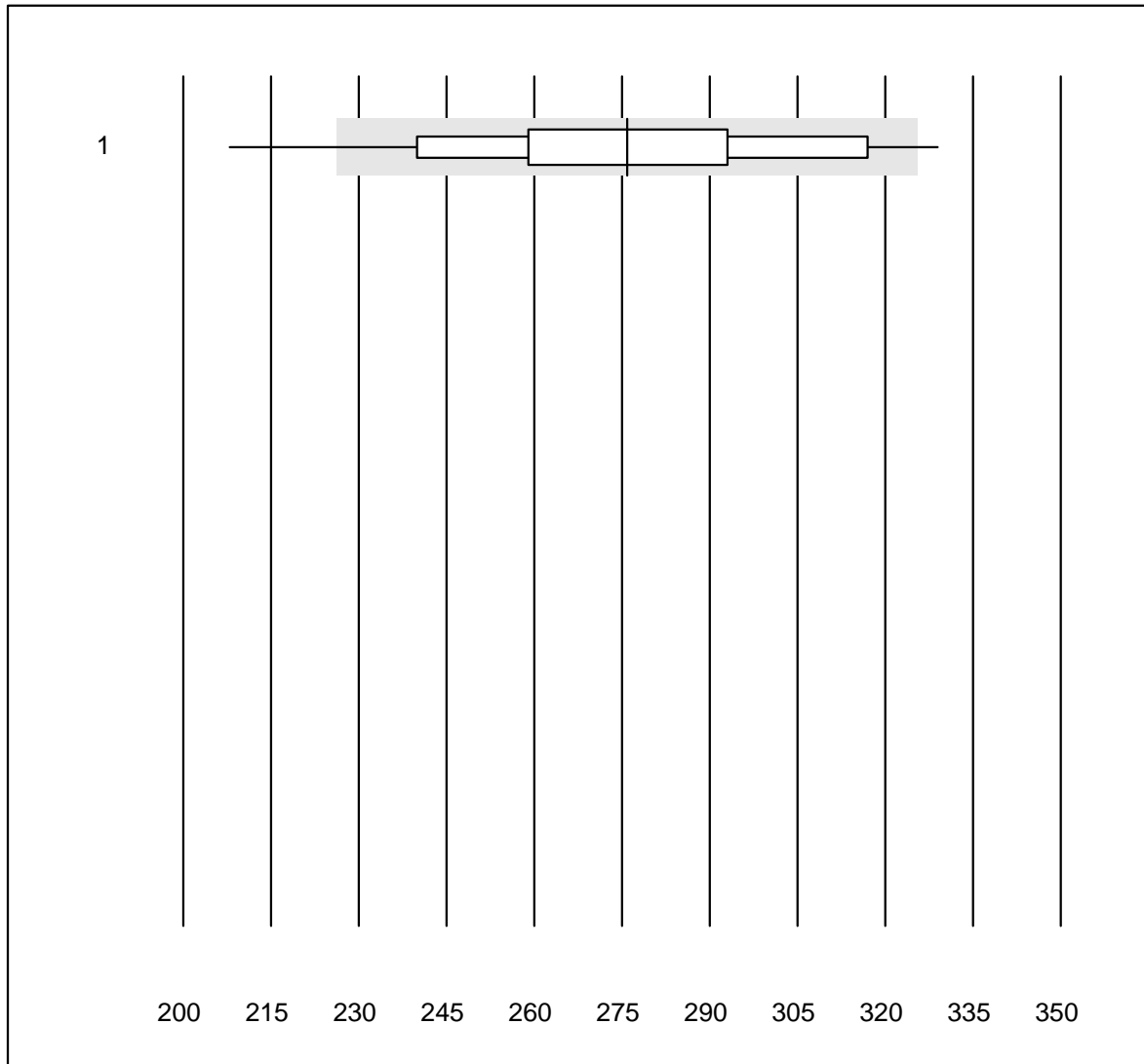
MQ tolerance : 25 %

TRAK (IU/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	7	100.0	0.0	0.0	2.35	16.0	a
2	Roche, Cobas	9	100.0	0.0	0.0	3.46	8.2	e

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

## Creatinine WB

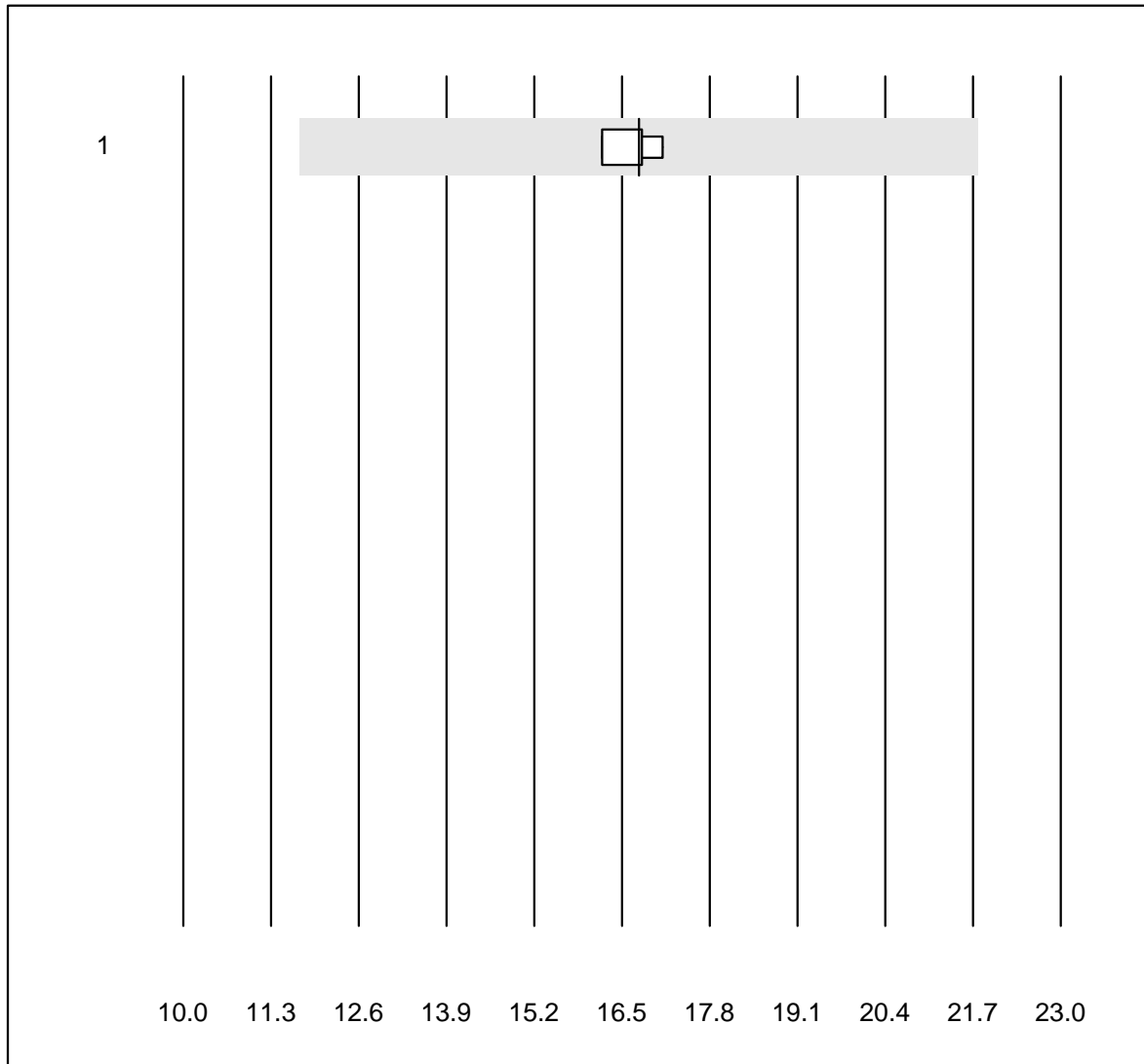


QUALAB tolerance : 18 %

Creatinine WB (µmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Statsensor i / Nova	73	84.9	11.0	4.1	276	10.5	e

### eGFR CDK-EPI WB

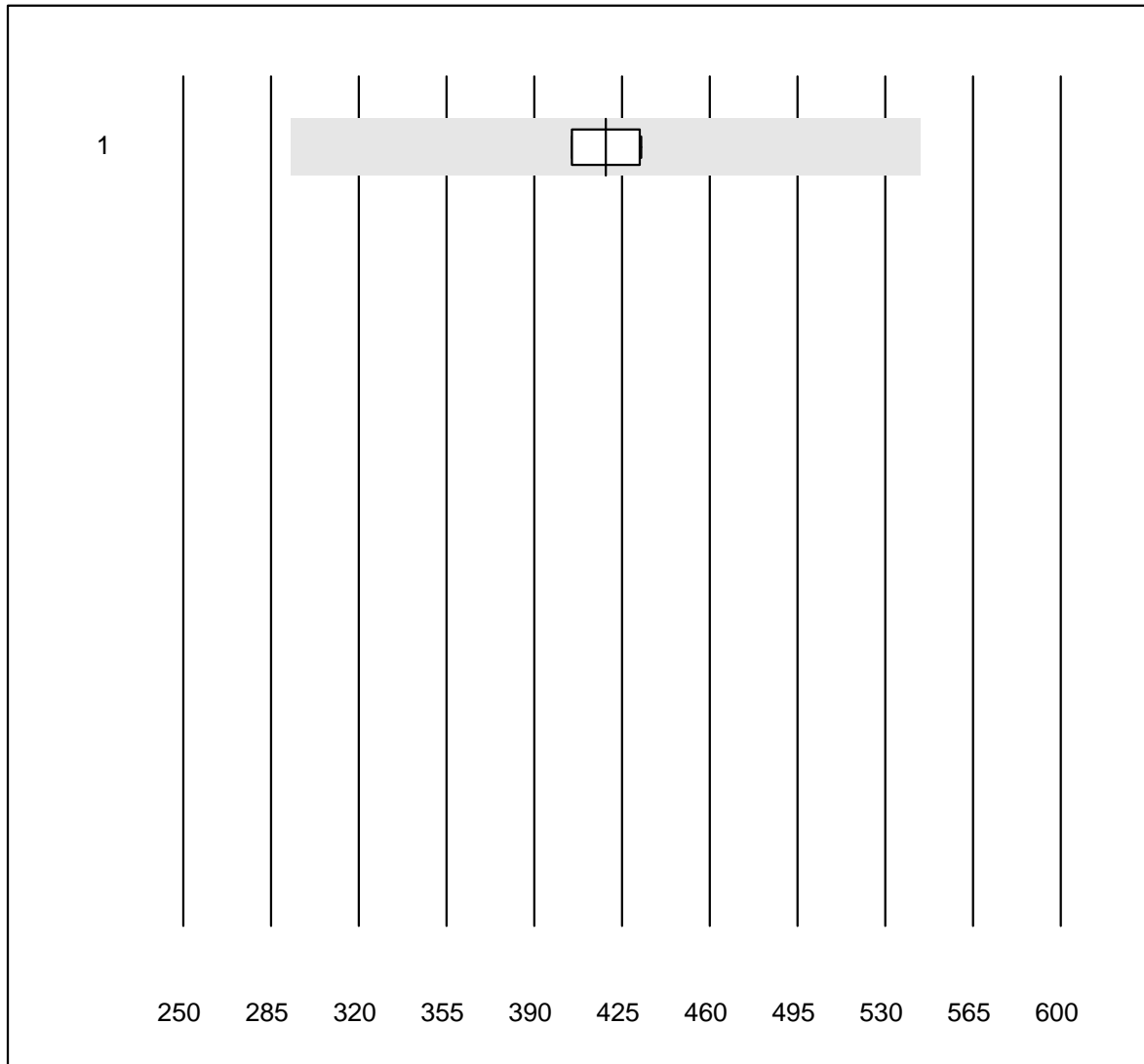


MQ tolerance : 30 %

eGFR CDK-EPI WB ()

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Statsensor i / Nova	4	100.0	0.0	0.0	17	2.2	e

# IL6

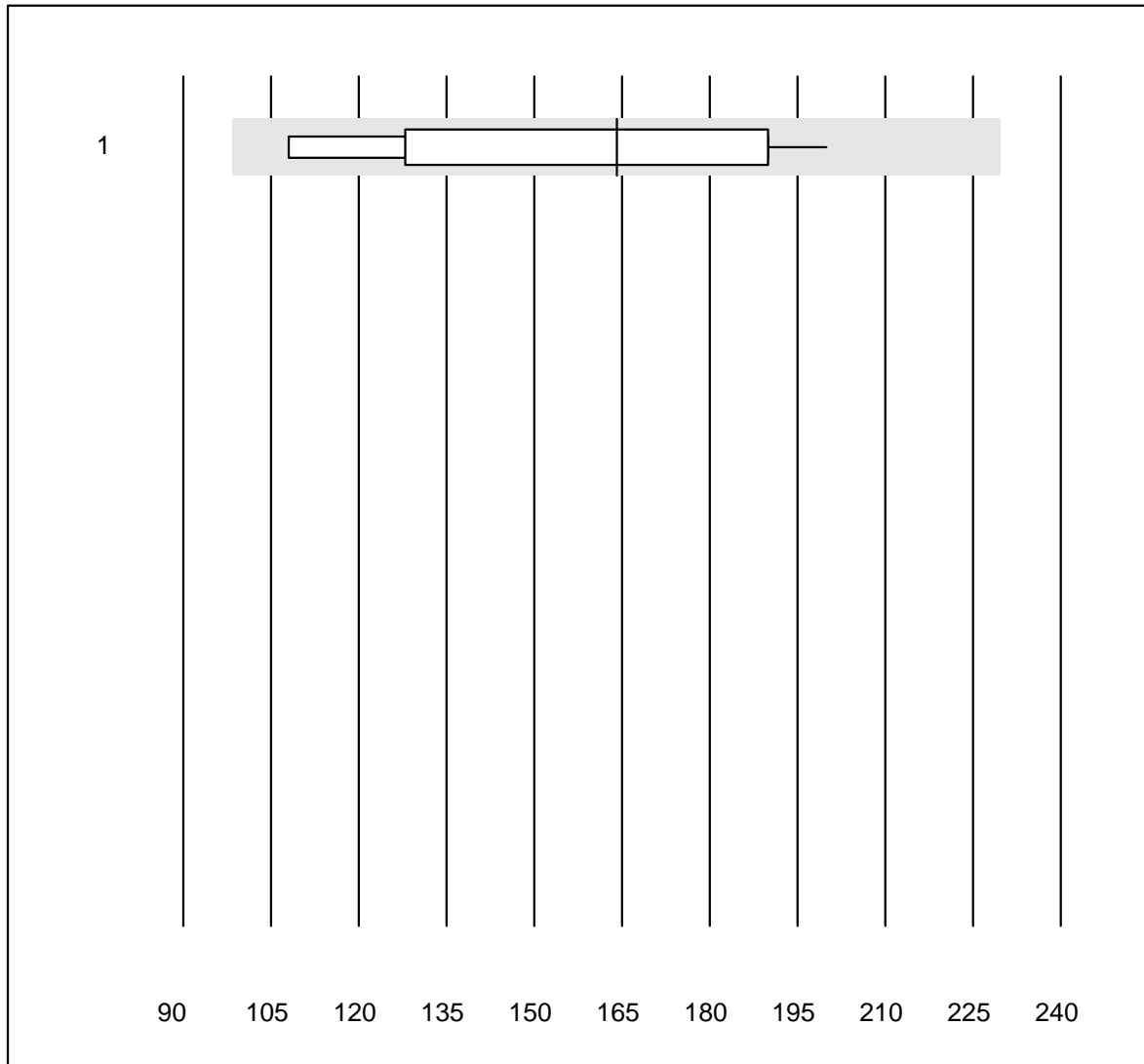


MQ tolerance : 30 %

IL6 (ng/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Roche, Cobas	4	100.0	0.0	0.0	418.5	3.8	e

## Pankreas Elastase



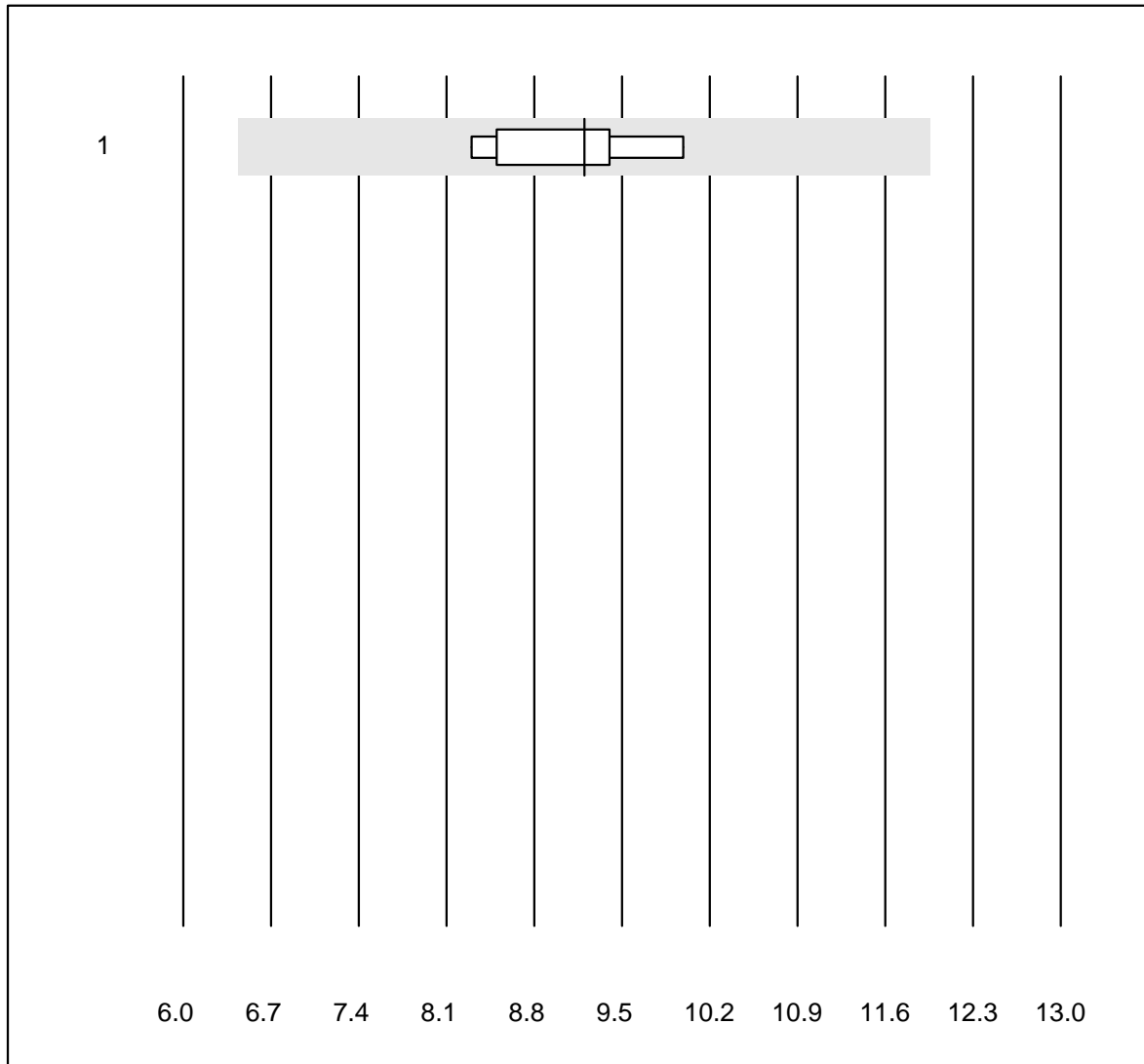
MQ tolerance : 40 %

Pankreas Elastase (ug/g)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 Liaison	12	83.3	0.0	16.7	164	19.8	e*



# Copeptin

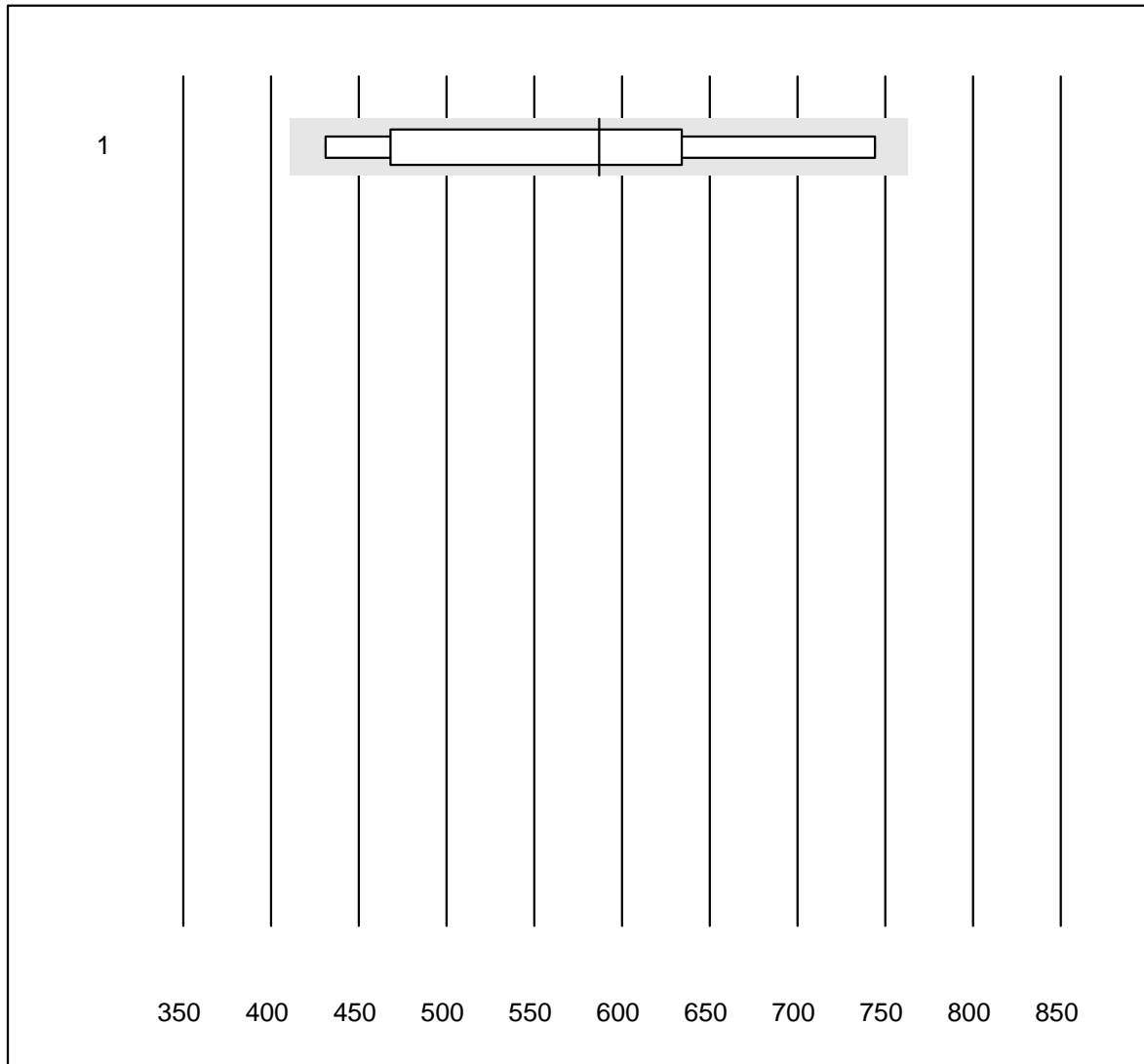


MQ tolerance : 30 %

Copeptin (pmol/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 Kryptor	7	100.0	0.0	0.0	9.2	6.3	e

## Occult blood qn

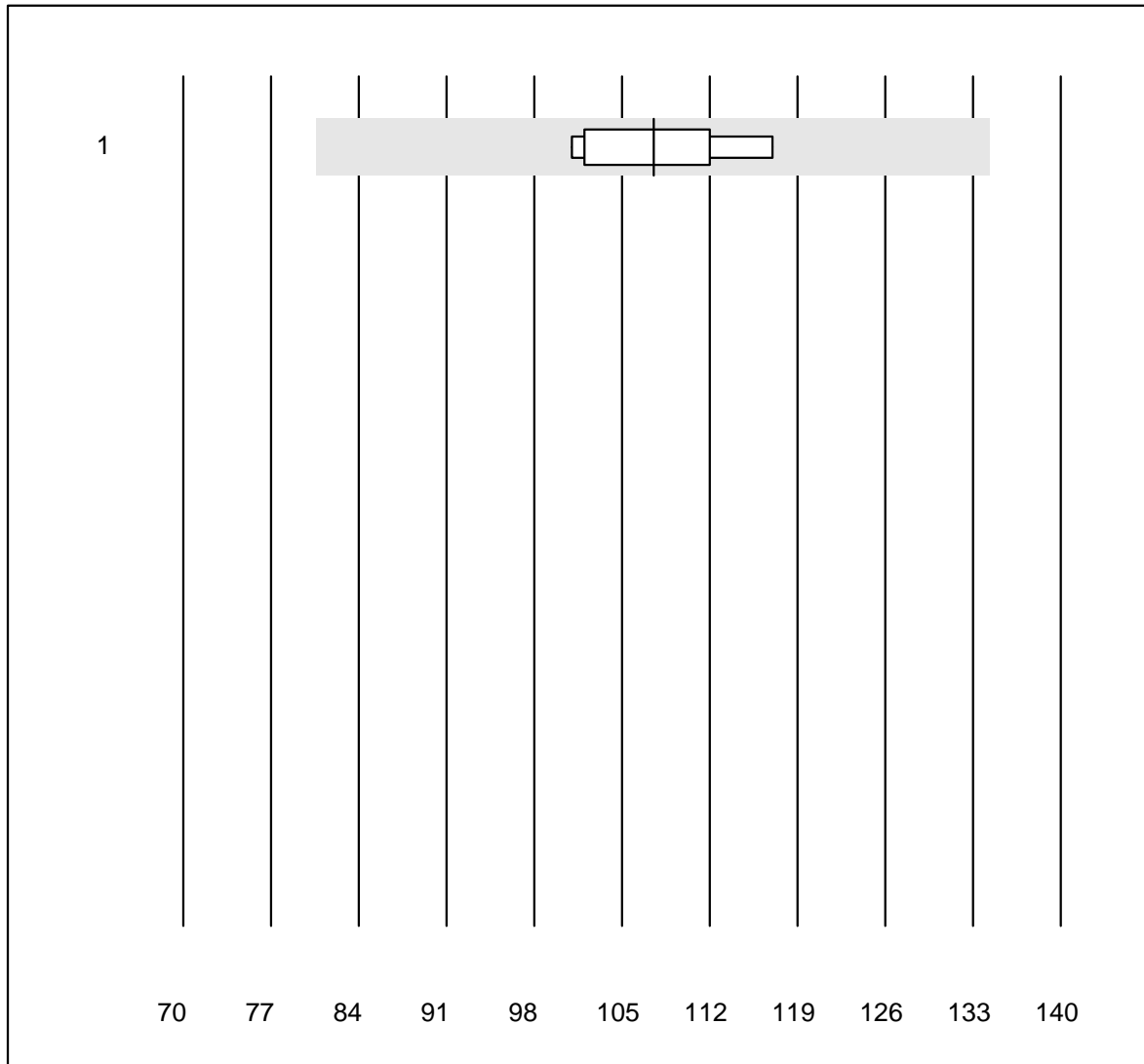


MQ tolerance : 30 %

Occult blood qn (ng/ml)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	OC-Sensor	8	100.0	0.0	0.0	587	19.7	e*

## Amylase-Urine

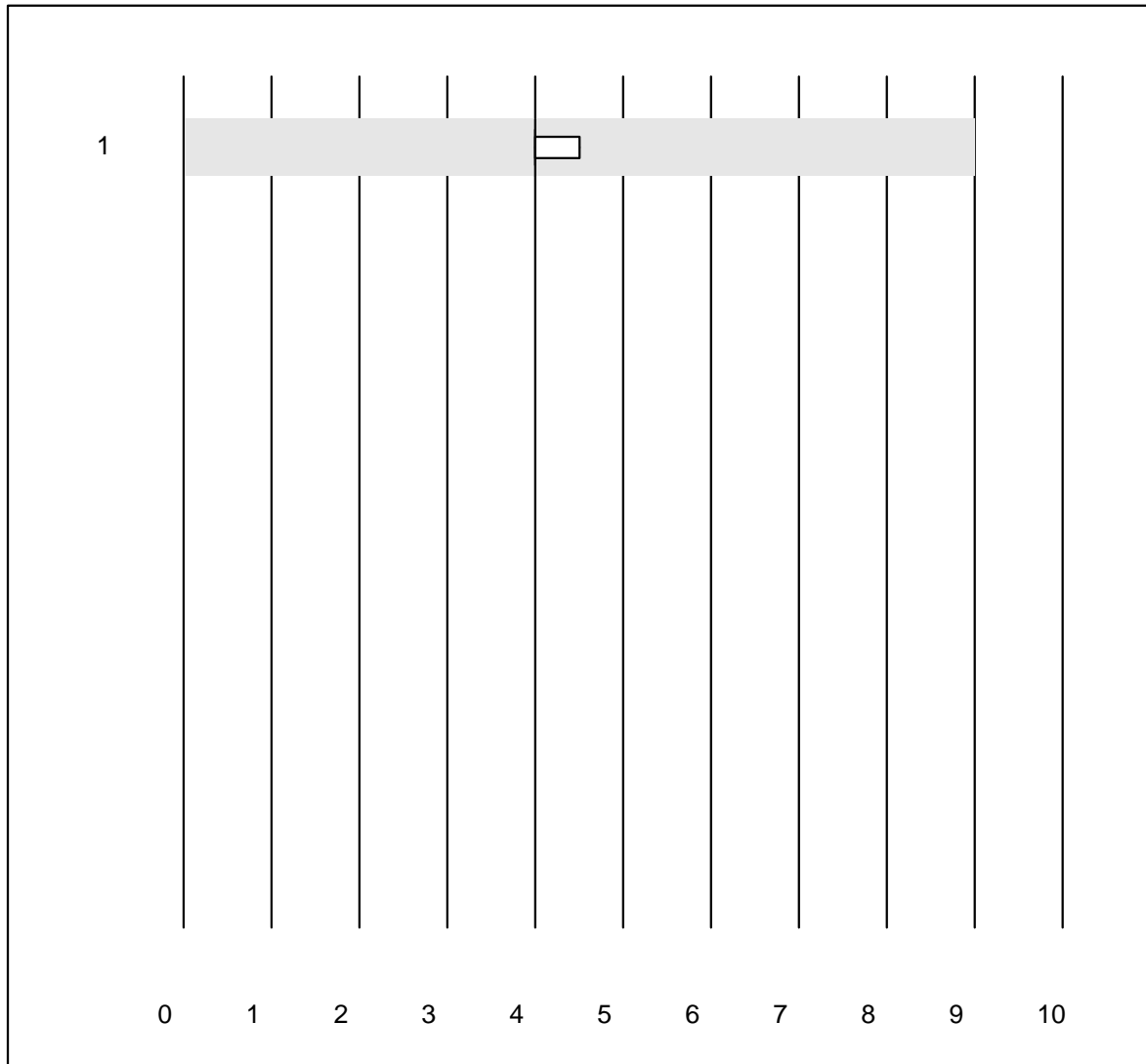


MQ tolerance : 25 %

Amylase-Urine (U/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 IFCC	6	100.0	0.0	0.0	108	5.8	e

## Pancreatic Amylase-Urine

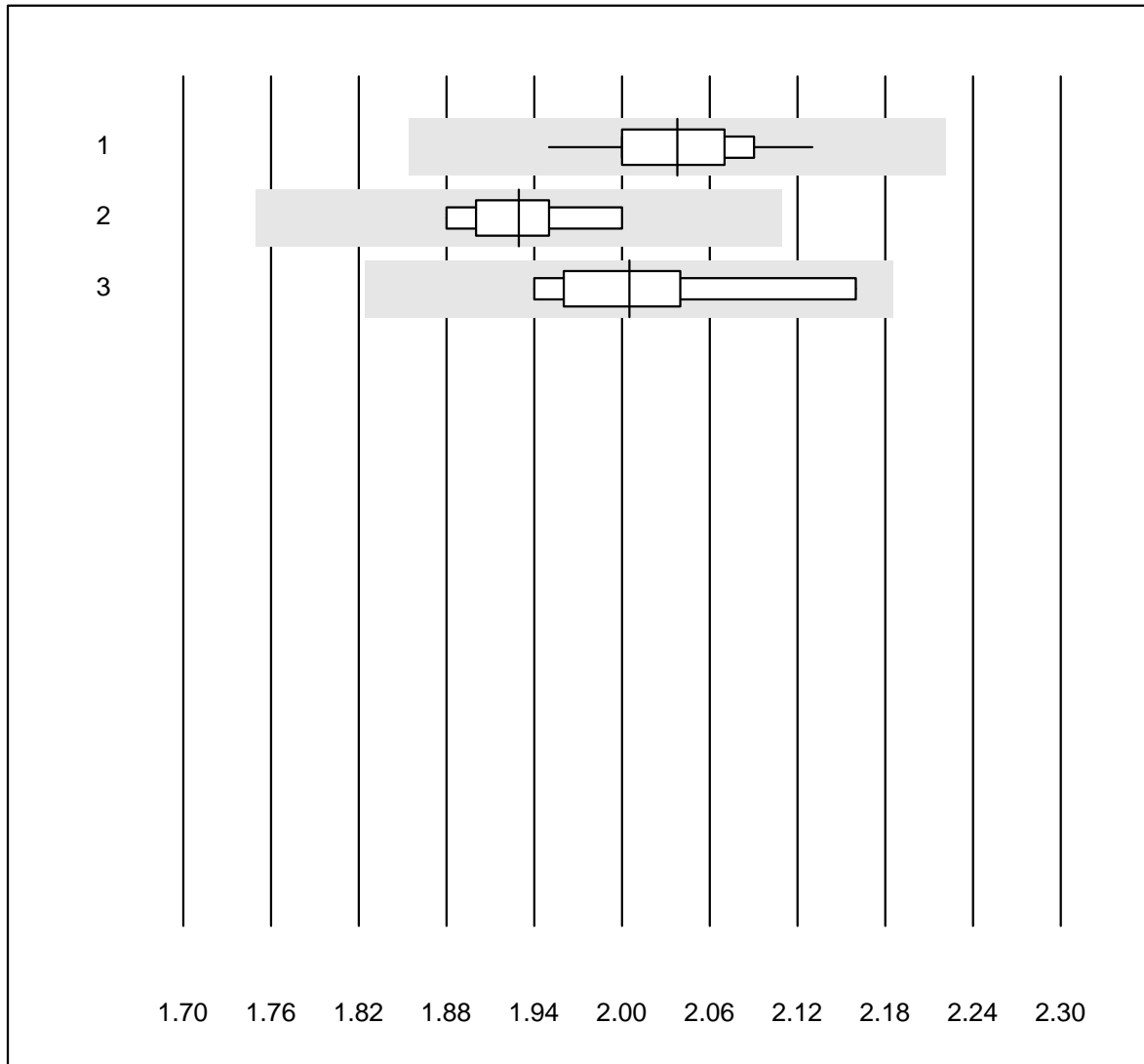


QUALAB tolerance : 18 %  
( < 25.0: +/- 5.0 U/l)

Pancreatic Amylase-Urine (U/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 IFCC	4	100.0	0.0	0.0	4.0	6.1	e*

## Calcium-Urine

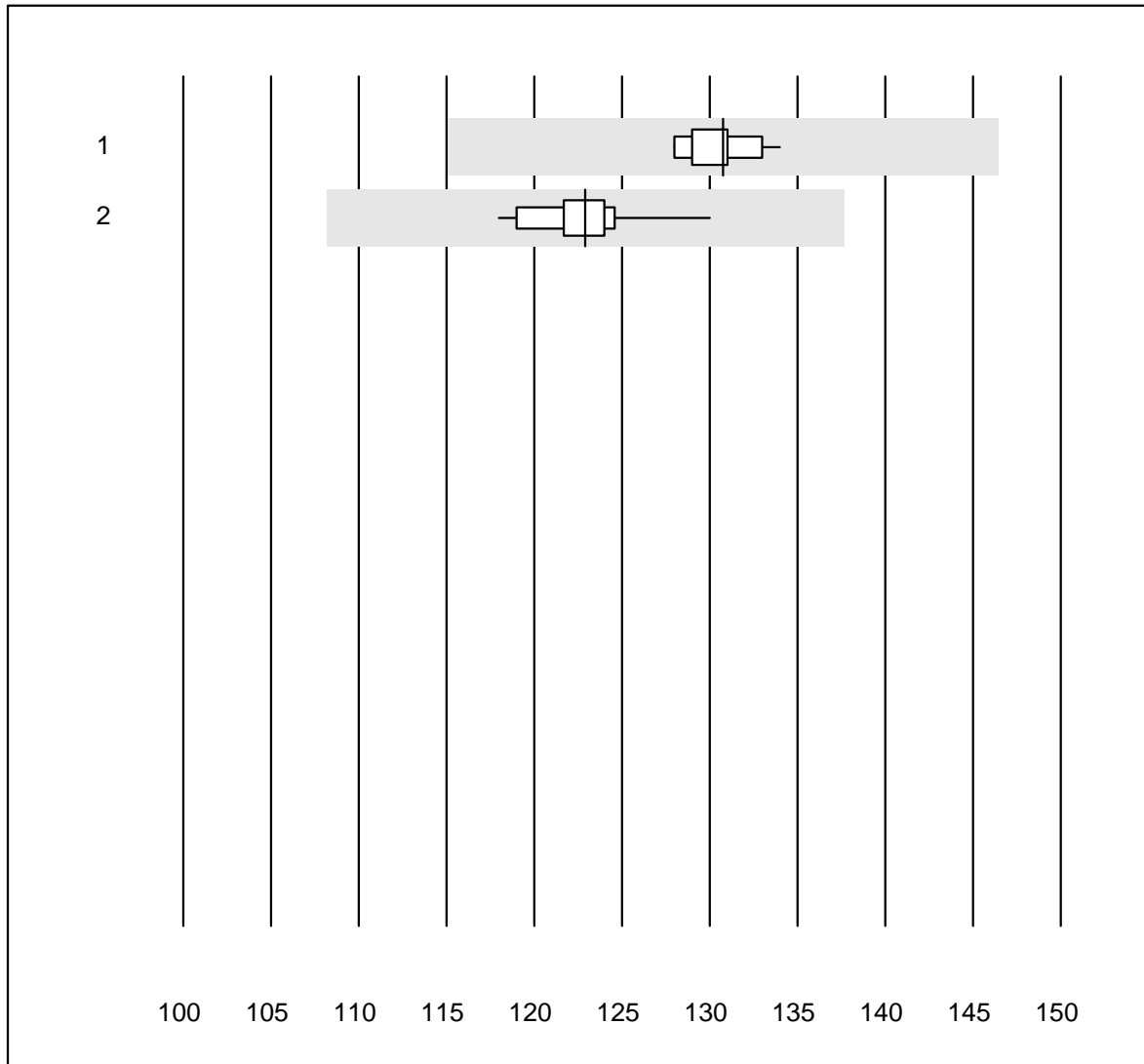


MQ tolerance : 9 %  
 (< 2.00: +/- 0.18 mmol/l)

Calcium-Urine (mmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Roche, Cobas	13	100.0	0.0	0.0	2.04	2.4	e
2	Abbott	11	90.9	0.0	9.1	1.93	2.2	e
3	Other methods	6	100.0	0.0	0.0	2.01	3.9	e*

## Chloride-Urine



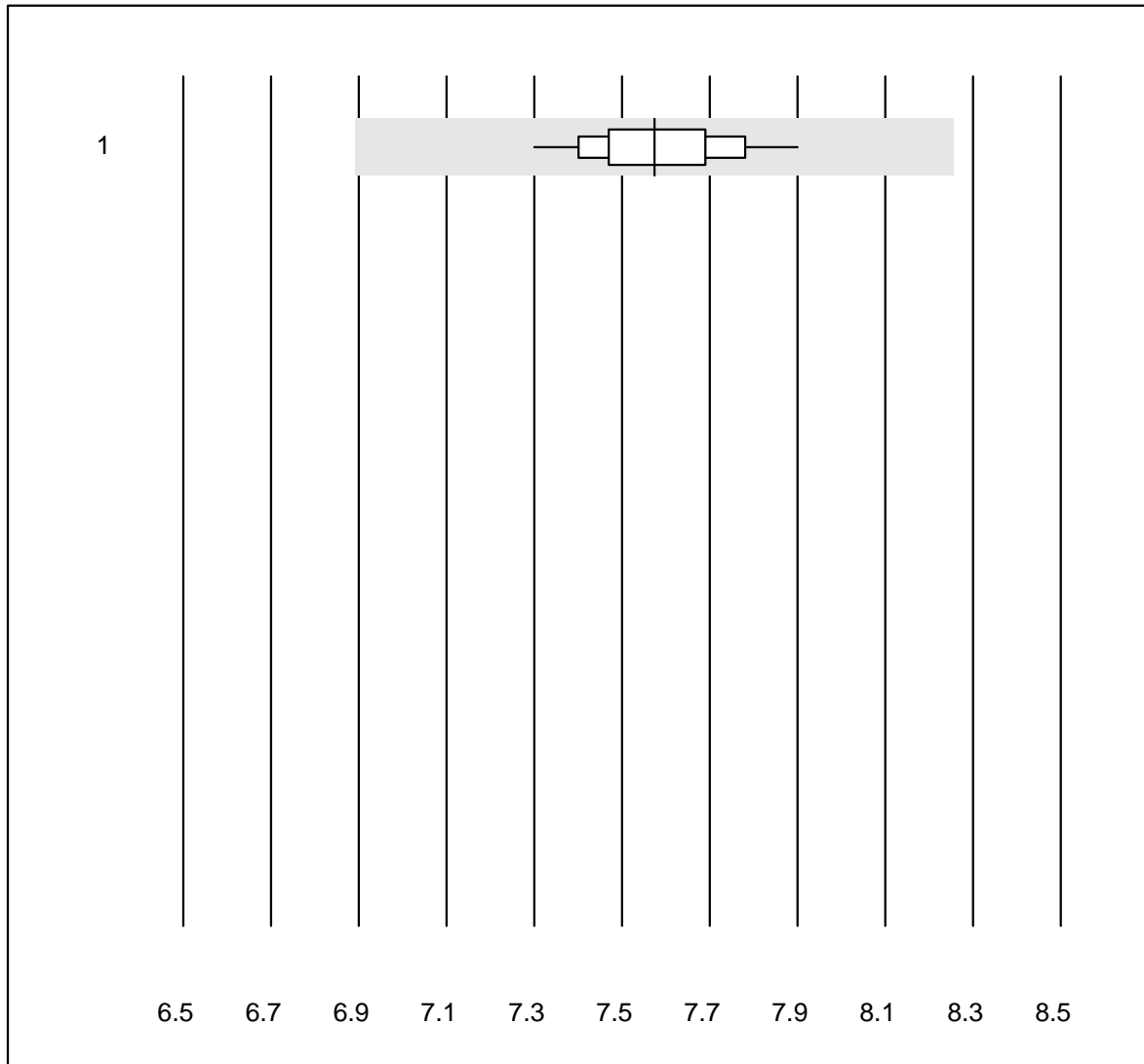
MQ tolerance : 12 %

Chloride-Urine (mmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	12	100.0	0.0	0.0	131	1.4	e
2	Roche, Cobas	13	100.0	0.0	0.0	123	2.4	e

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

## Glucose-Urine

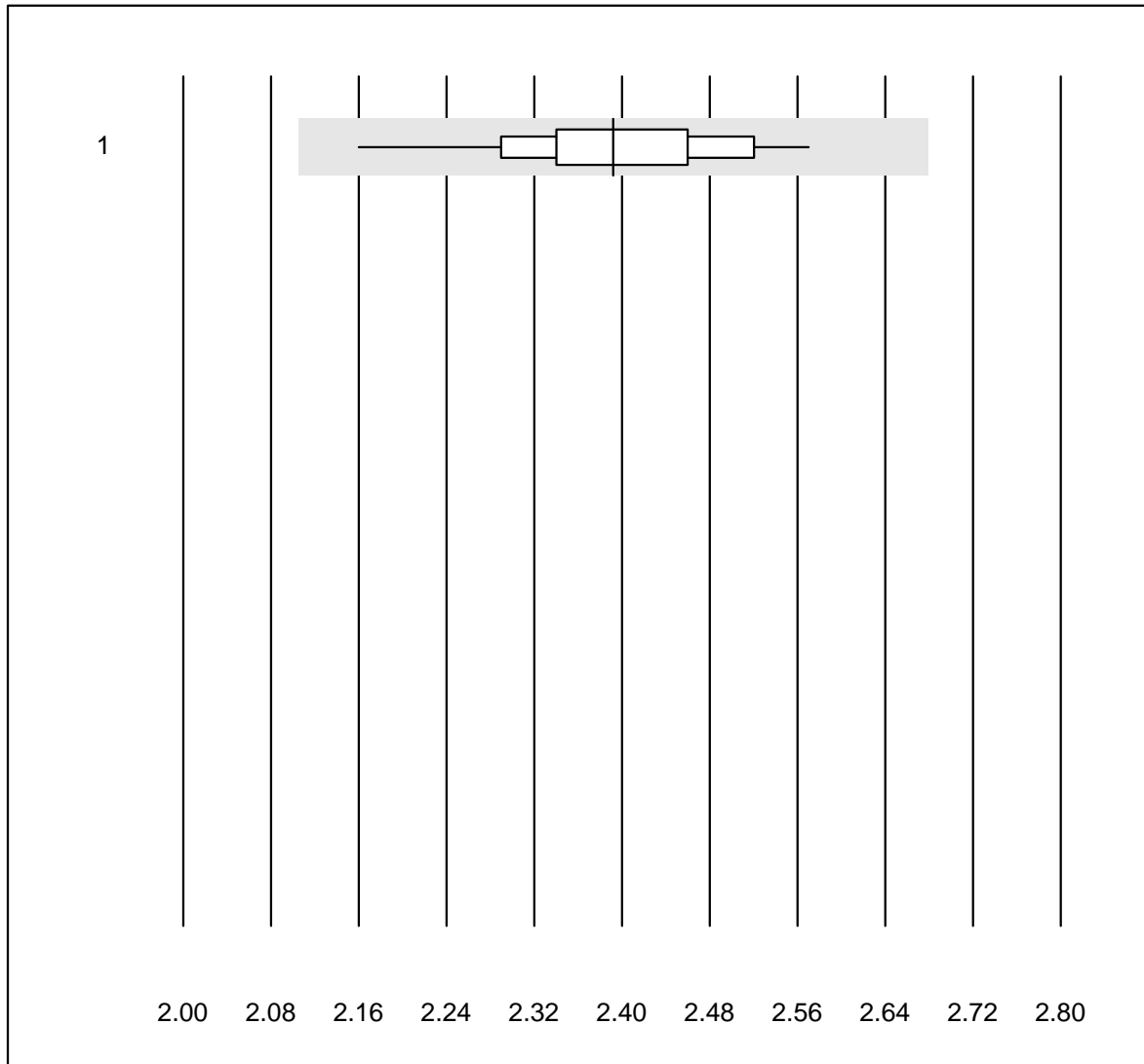


QUALAB tolerance : 9 %

Glucose-Urine (mmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Standard chemistry	27	100.0	0.0	0.0	7.6	1.8	e

## Magnesium-Urine



MQ tolerance : 12 %

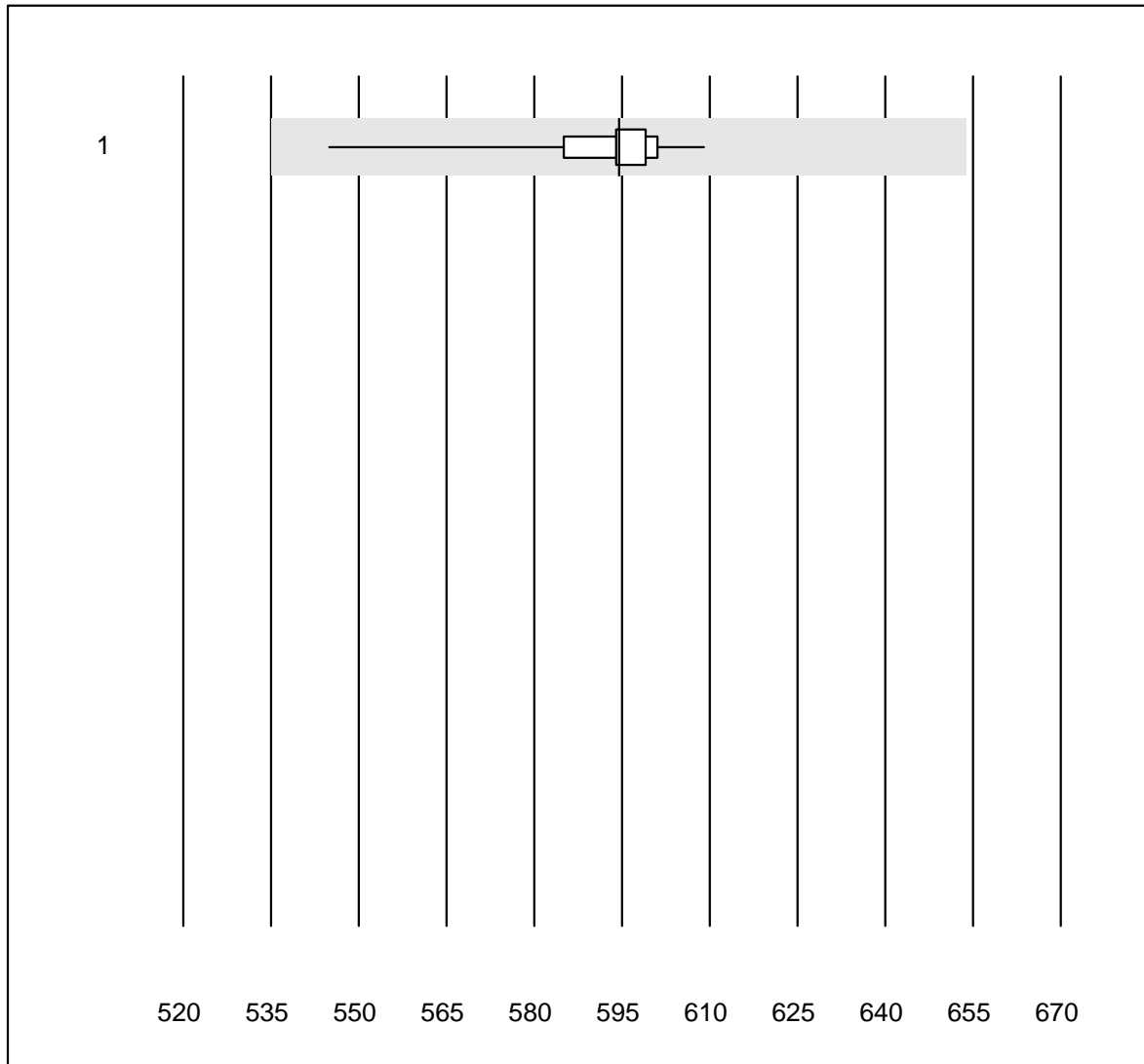
Magnesium-Urine (mmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Standard chemistry	18	100.0	0.0	0.0	2.39	3.9	e

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



## Osmolality-Urine

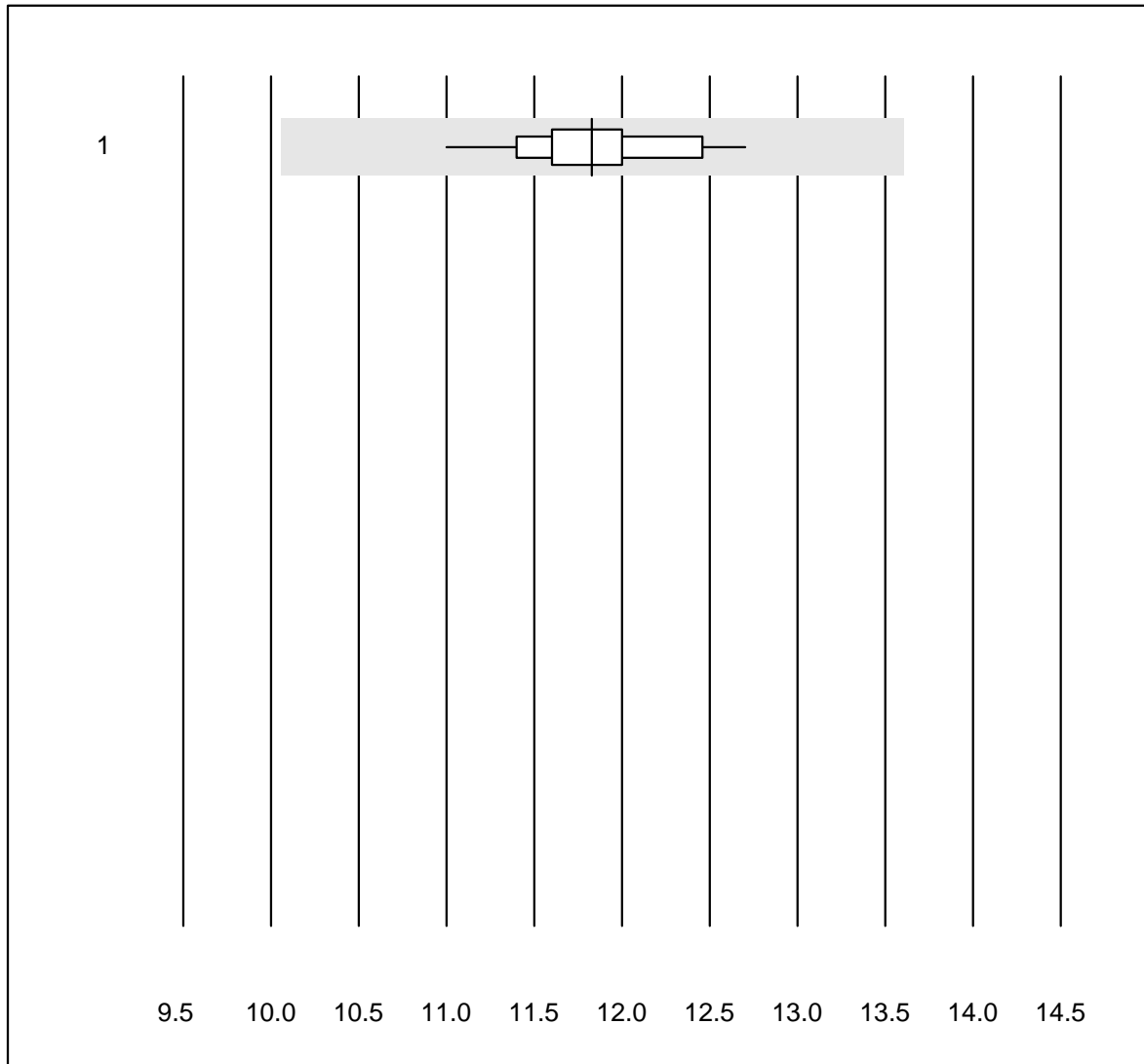


MQ tolerance : 10 %

Osmolality-Urine (mosm/kg)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cryoskopy	20	100.0	0.0	0.0	594	2.1	e

## Phosphate-Urine

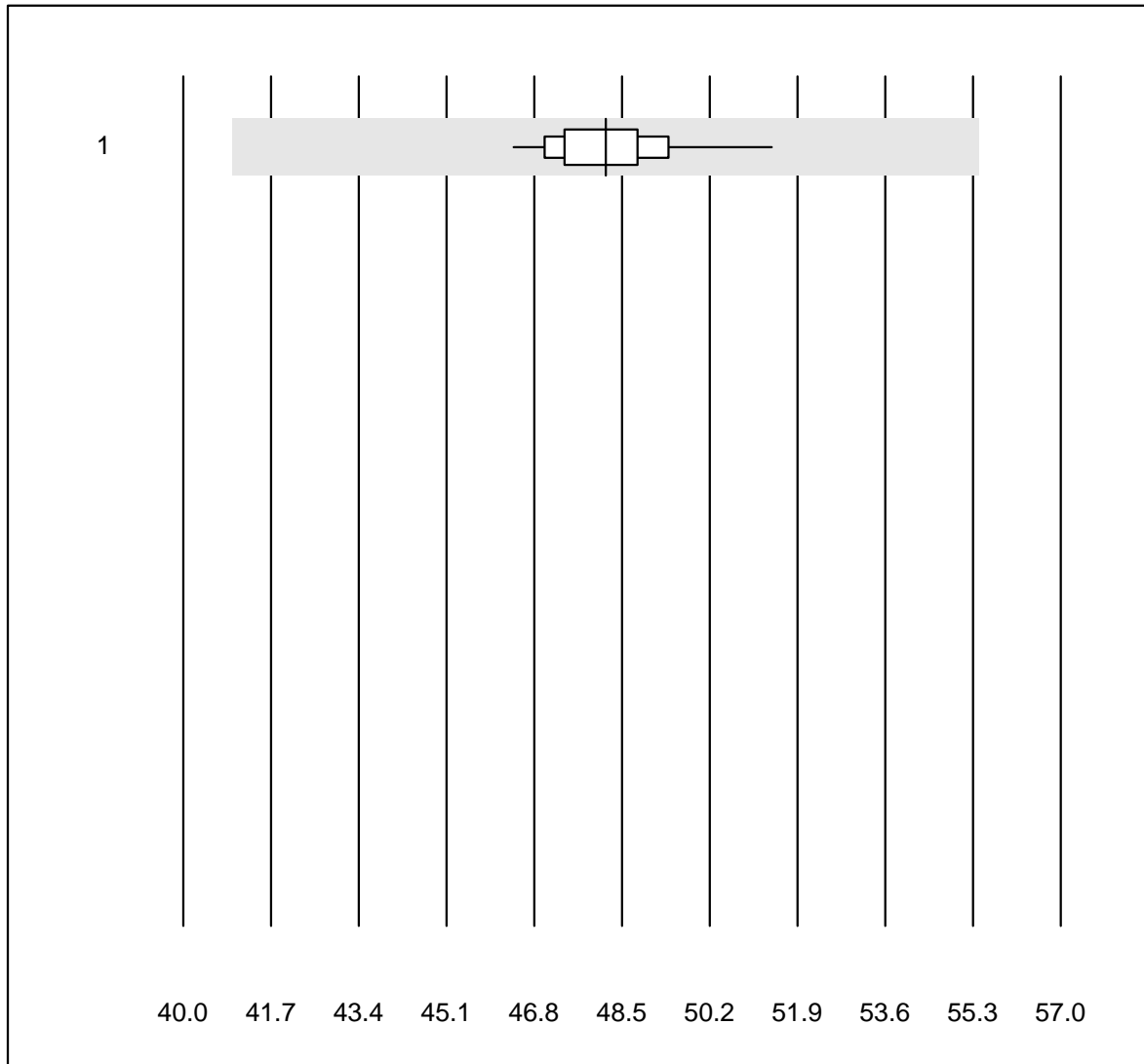


MQ tolerance : 15 %

Phosphate-Urine (mmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Standard chemistry	28	100.0	0.0	0.0	11.8	3.1	e

## Potassium-Urine

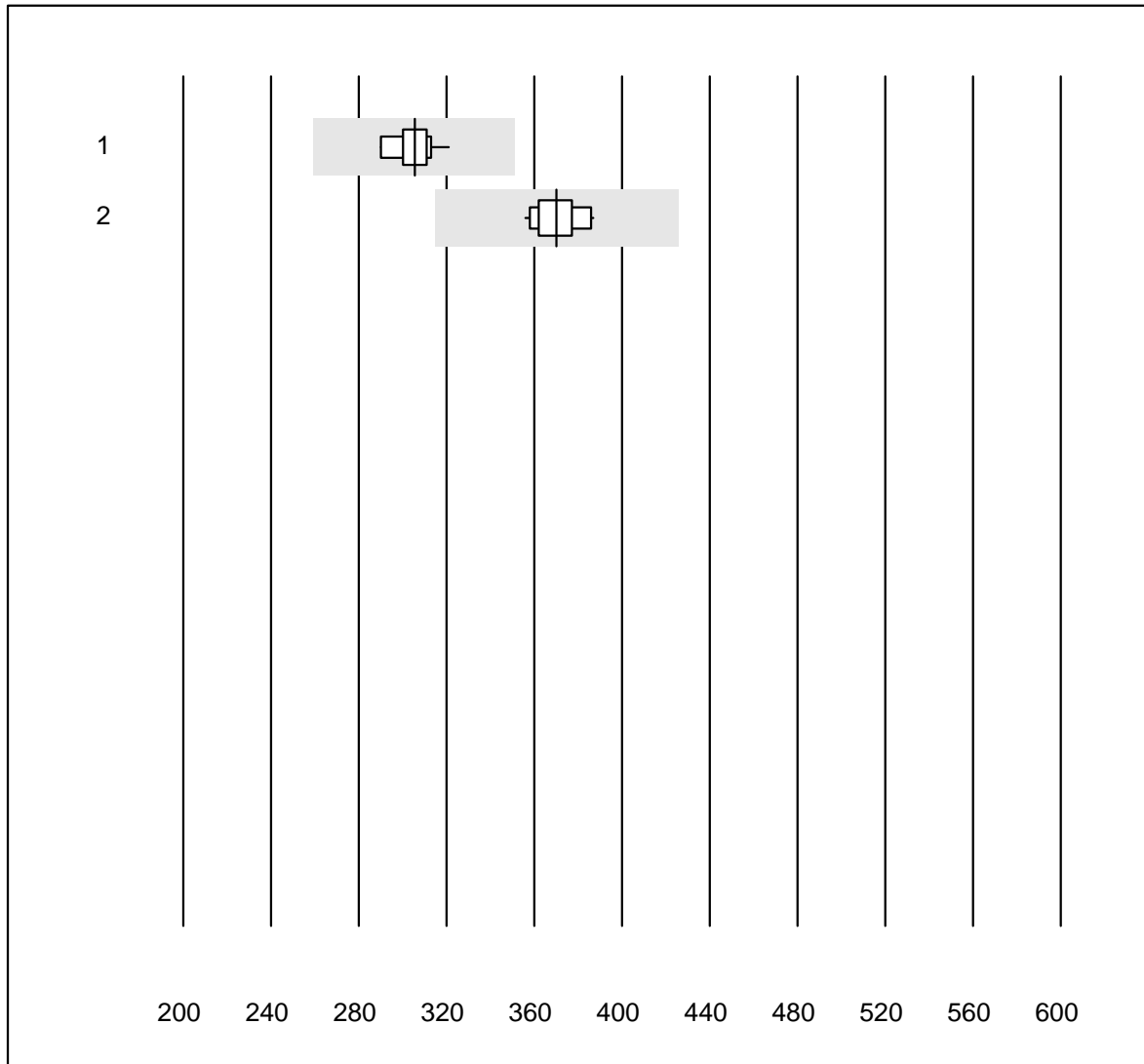


MQ tolerance : 15 %

Potassium-Urine (mmol/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 all Participants	37	100.0	0.0	0.0	48	2.3	e

## Protein-Urine



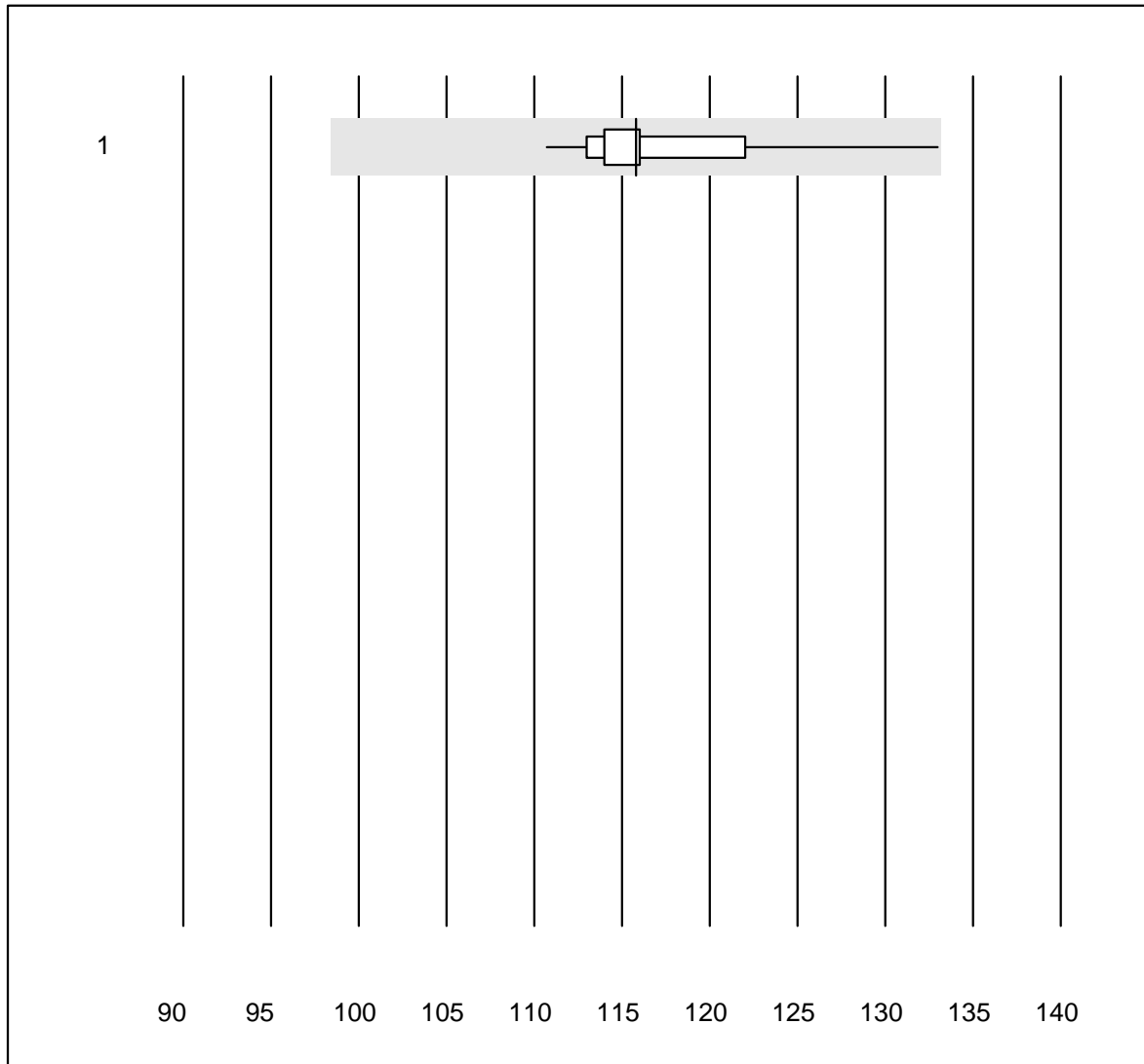
QUALAB tolerance : 15 %

Protein-Urine (mg/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Cobas/Roche	22	100.0	0.0	0.0	305.4	2.8	e
2	Abbott	16	100.0	0.0	0.0	370.0	2.7	e

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

## Sodium-Urine

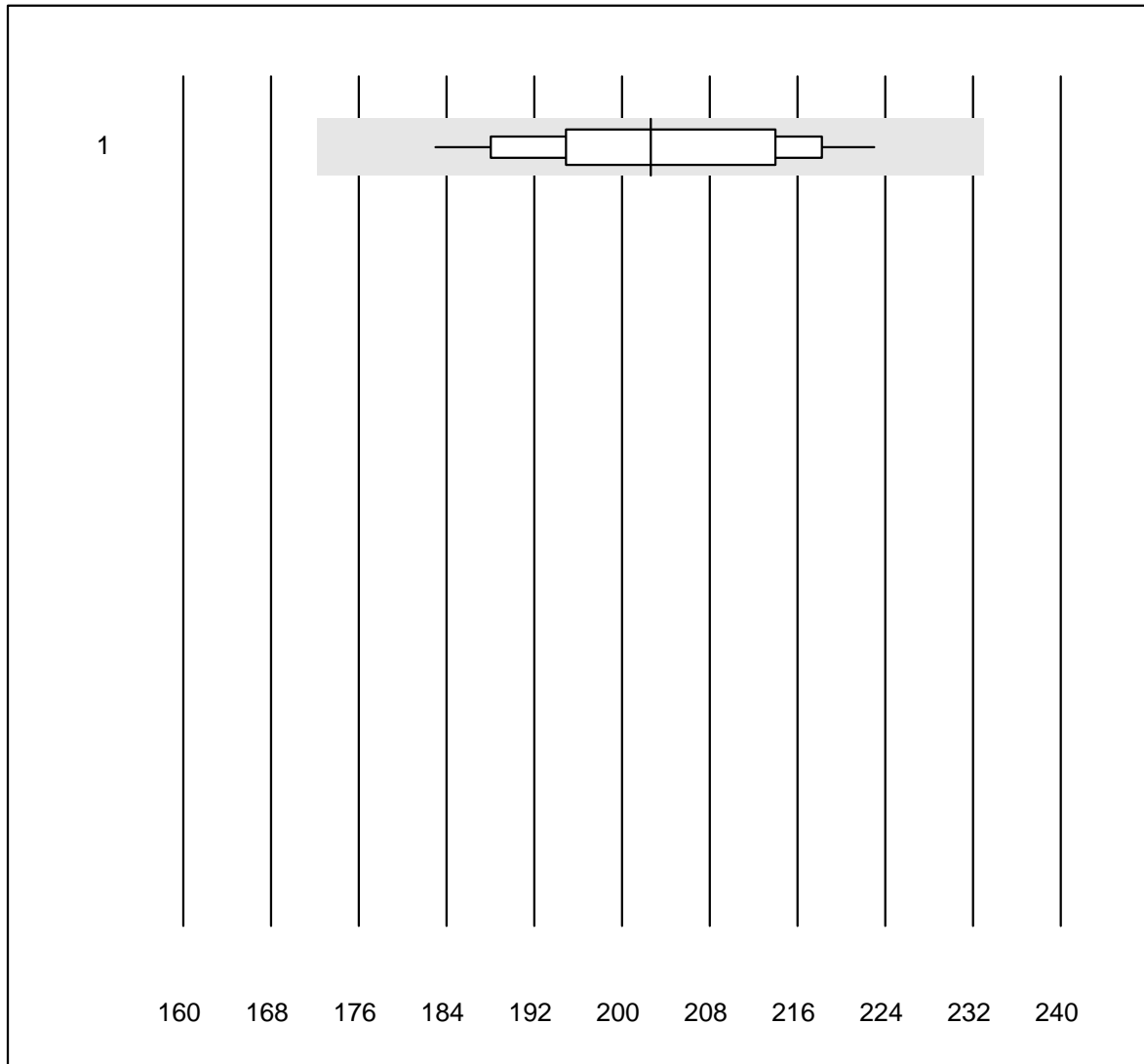


MQ tolerance : 15 %

Sodium-Urine (mmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	all Participants	37	100.0	0.0	0.0	116	3.7	e

## Urea-Urine

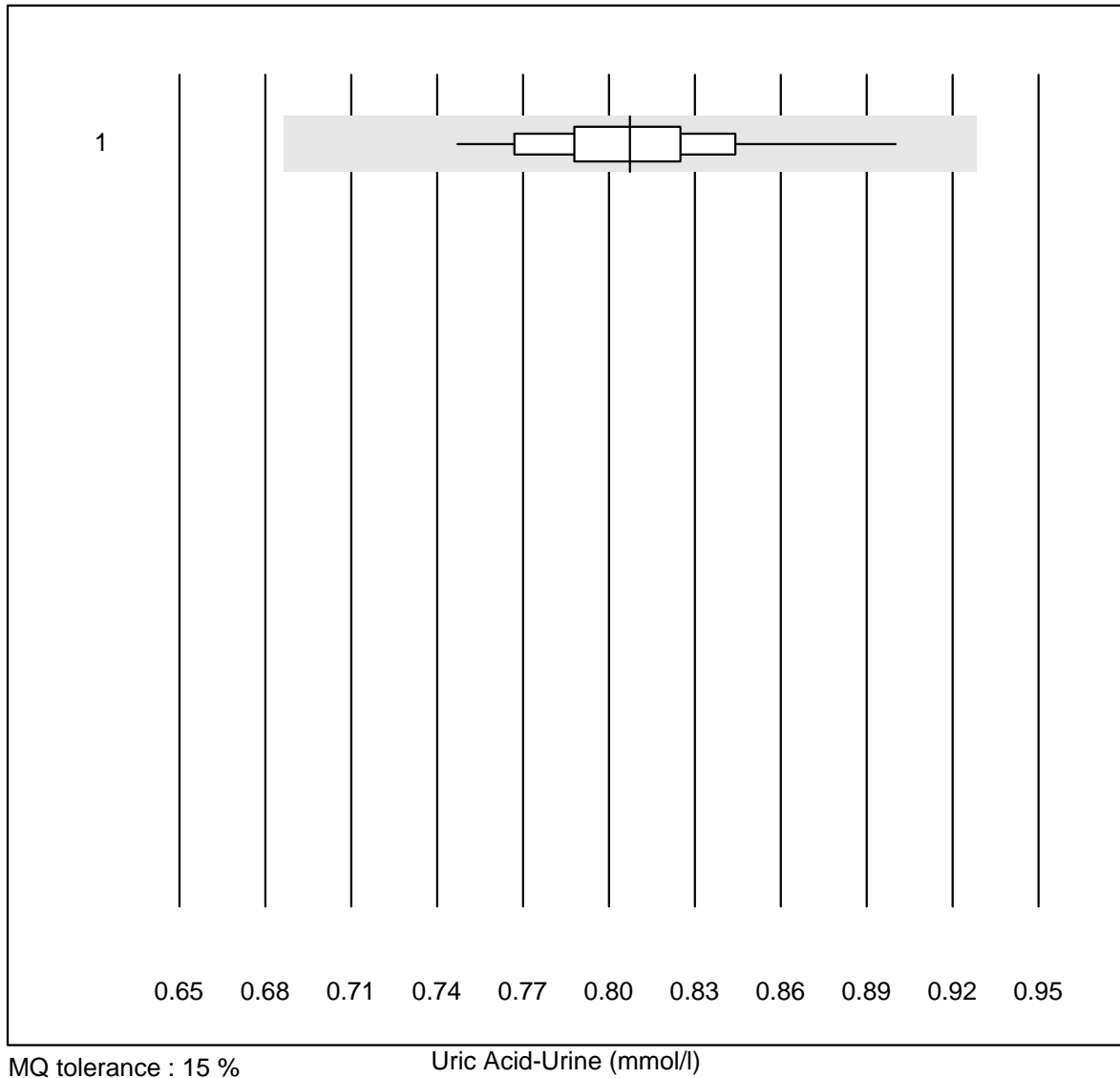


MQ tolerance : 15 %

Urea-Urine (mmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Standard chemistry	35	100.0	0.0	0.0	203	5.5	e

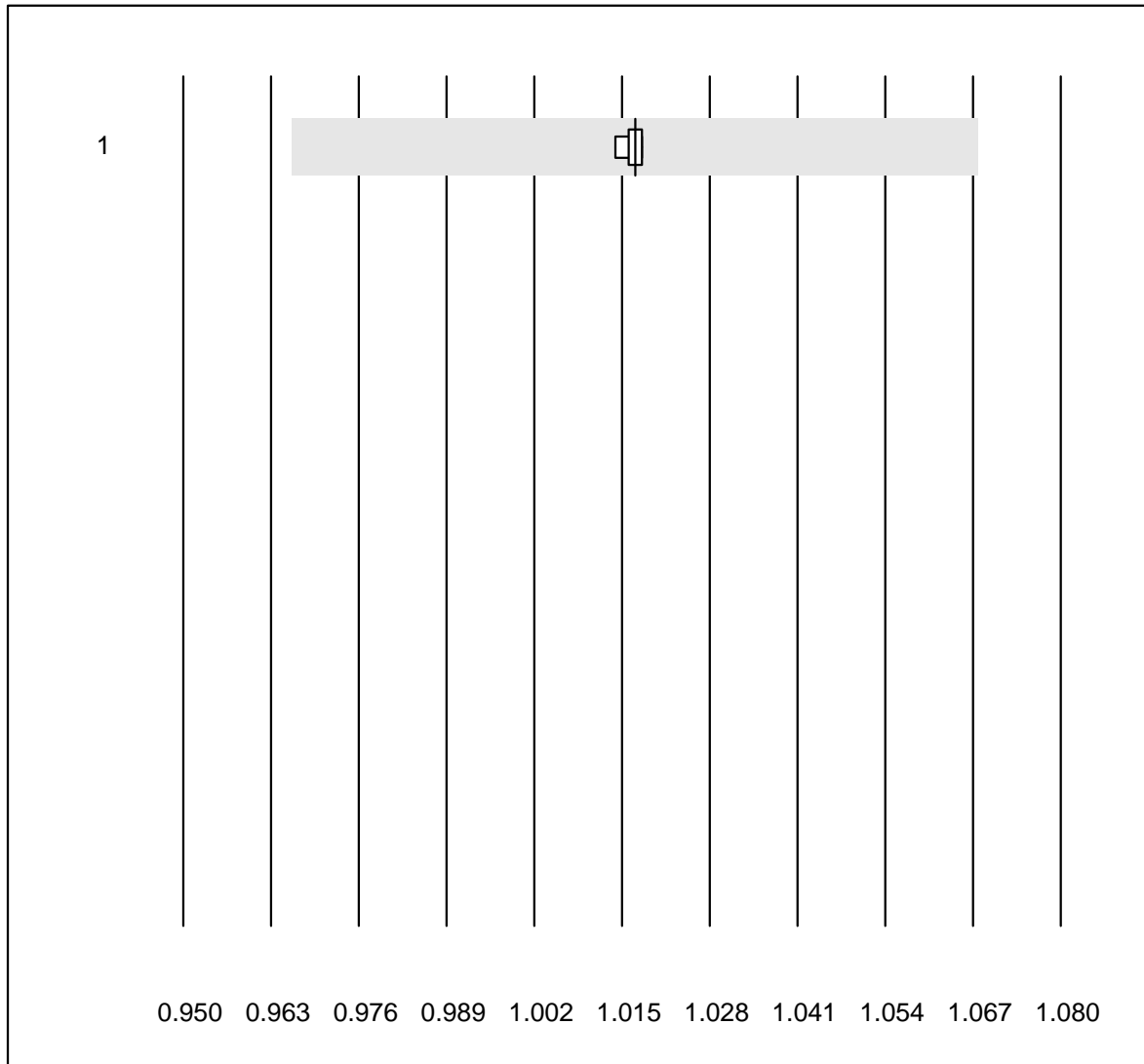
## Uric Acid-Urine



No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Standard chemistry	26	100.0	0.0	0.0	0.81	4.2	e

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

## Specific Gravity-Urine



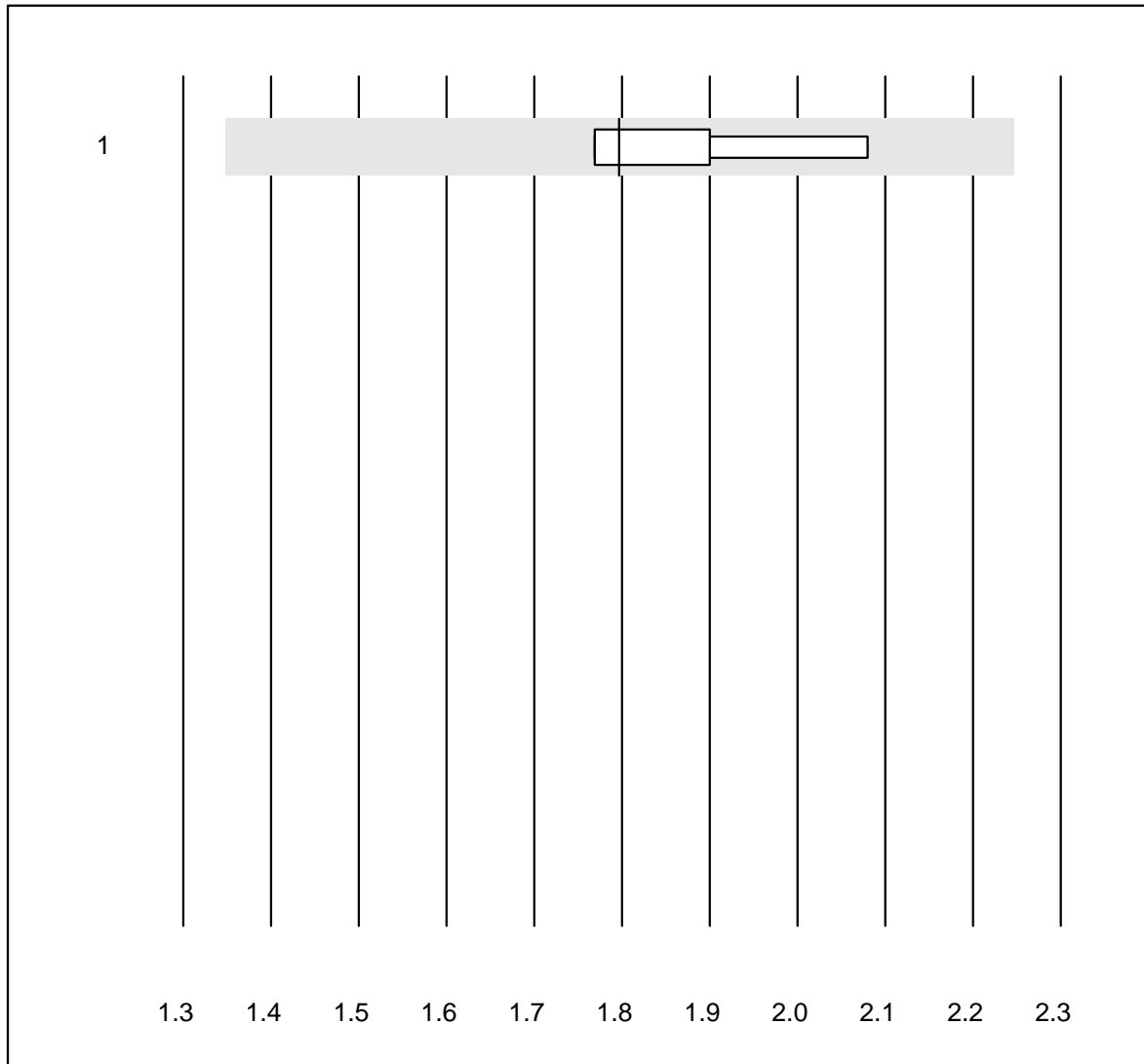
MQ tolerance : 5 %

Specific Gravity-Urine ()

No.	Method	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Refractometer	5	100.0	0.0	0.0	1.017	0.2	e



# Ethylglucuronid

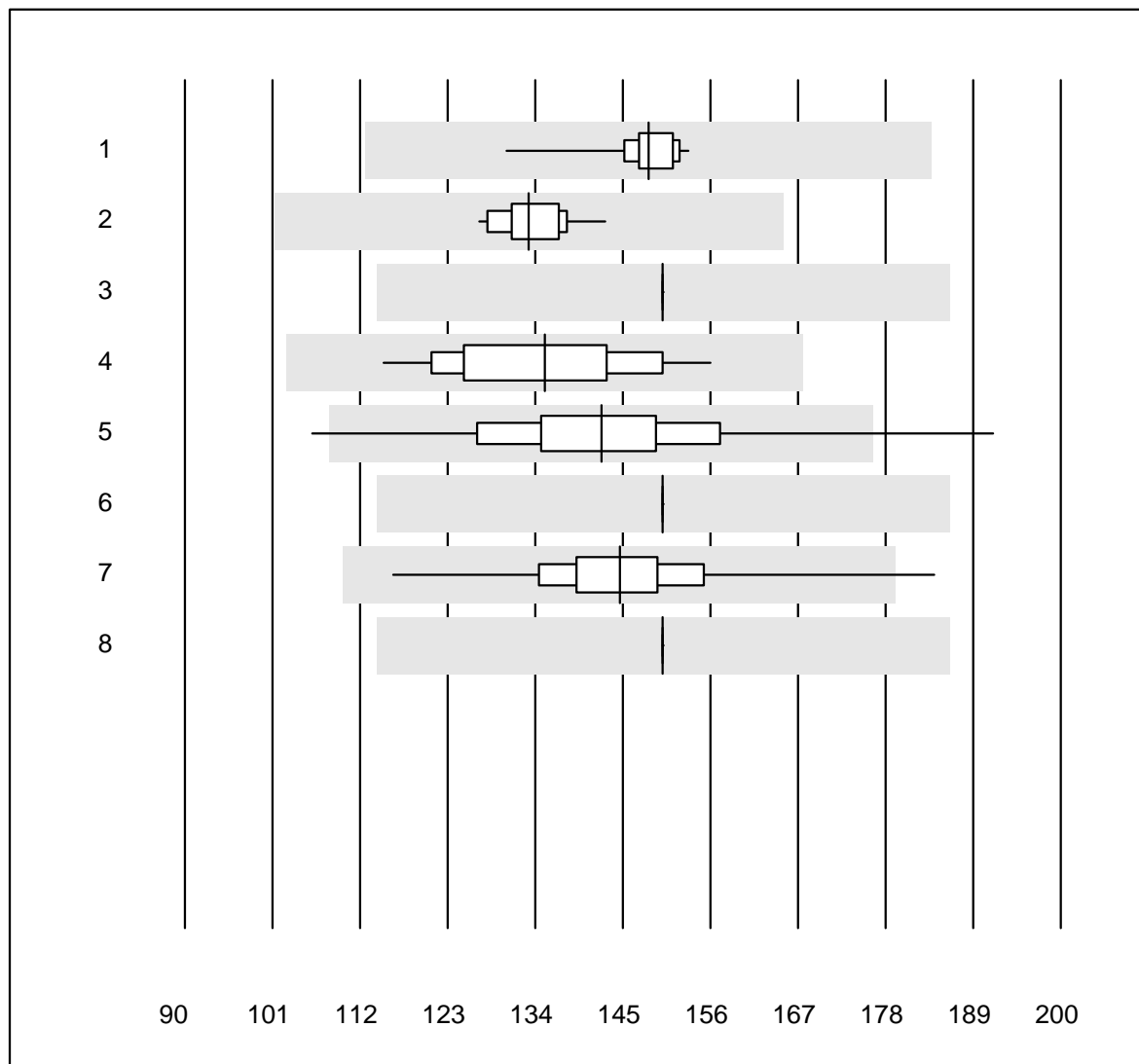


MQ tolerance : 25 %

Ethylglucuronid (mg/l)

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 all Participants	5	80.0	0.0	20.0	1.80	7.5	e*

## Creatinine U



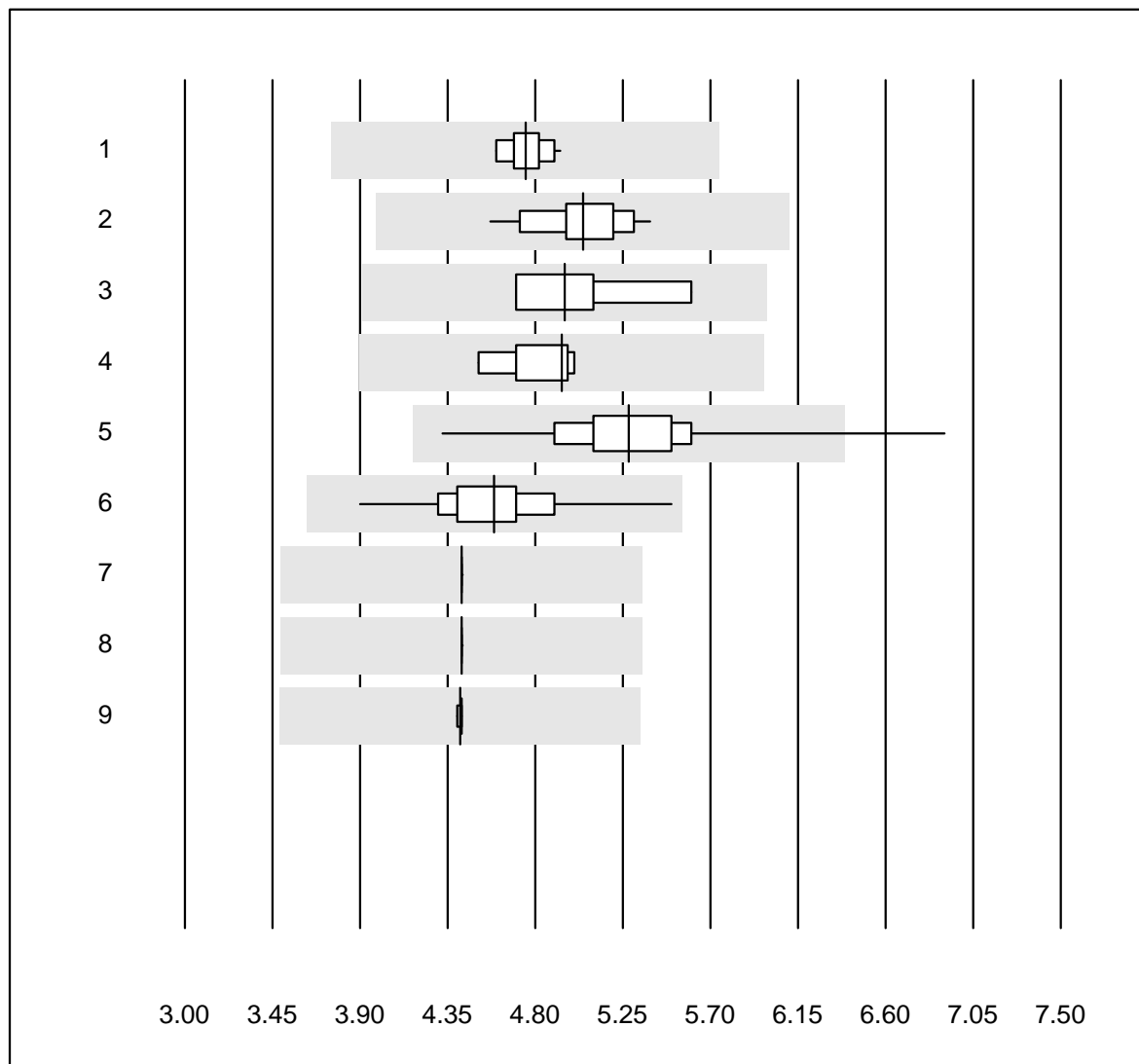
QUALAB tolerance : 24 %

Creatinine U (mg/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	14	100.0	0.0	0.0	148.2	3.8	e
2	Roche, Cobas	19	100.0	0.0	0.0	133.2	3.0	e
3	Aution	7	42.9	0.0	57.1	150.0	0.0	a
4	AFIAS	18	94.4	0.0	5.6	135.2	8.5	e
5	Afinion	503	95.4	1.6	3.0	142.3	8.6	e
6	Sysmex U	16	81.2	0.0	18.8	150.0	0.0	e
7	DCA2000/Vantage	153	92.1	0.7	7.2	144.6	6.2	e
8	Siemens Clinitek	25	64.0	0.0	36.0	150.0	0.0	e

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

### Creatinin Urin



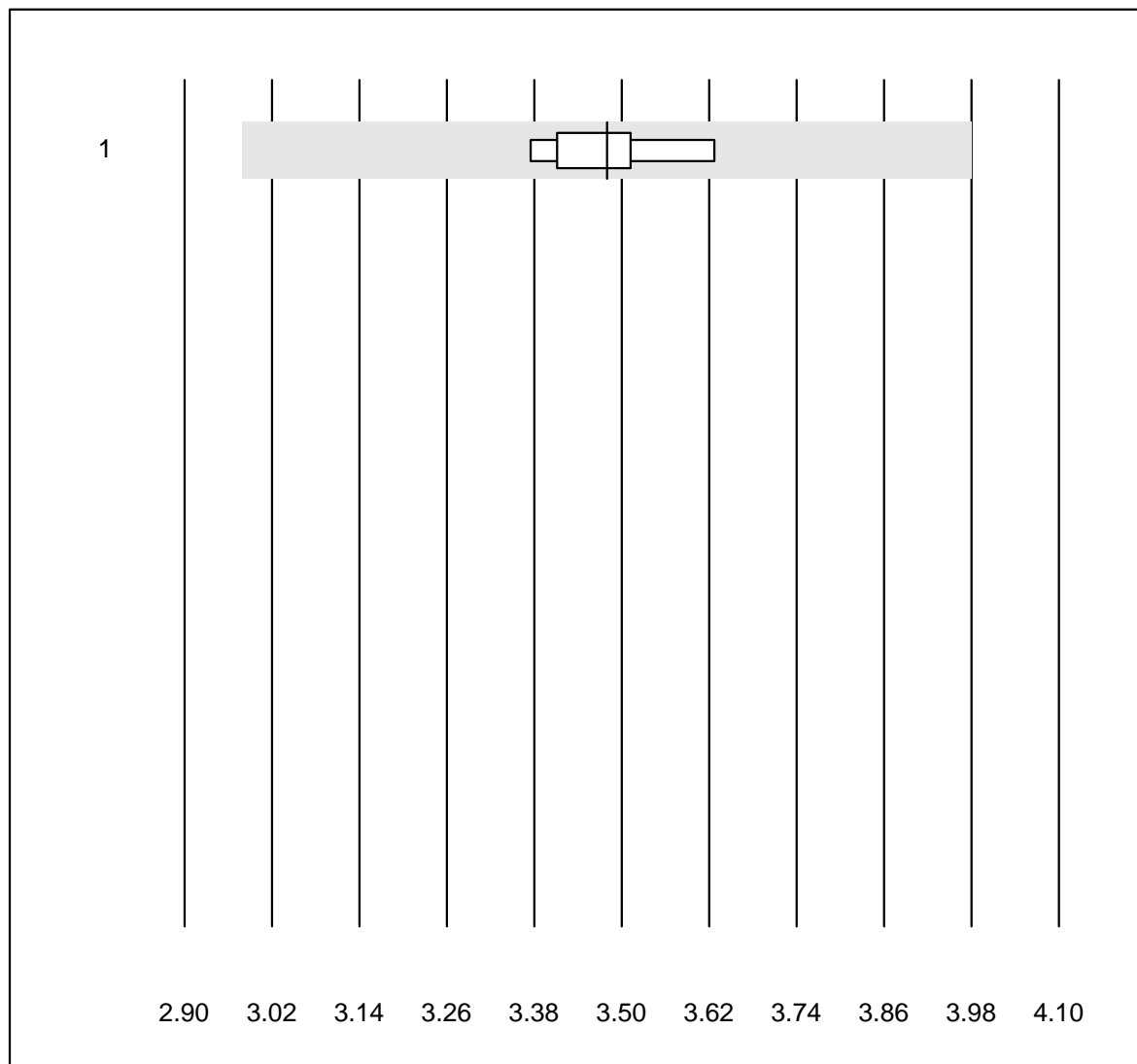
QUALAB tolerance : 21 %

Creatinin Urin (mmol/l)

No.	Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1	Abbott	13	100.0	0.0	0.0	4.7	2.3	e
2	Roche	26	100.0	0.0	0.0	5.0	4.0	e
3	Beckman	4	100.0	0.0	0.0	5.0	8.0	e*
4	Siemens	5	100.0	0.0	0.0	4.9	4.4	e
5	DCA2000/Vantage	151	90.0	0.7	9.3	5.3	6.1	e
6	Afinion	499	97.6	0.0	2.4	4.6	5.1	e
7	Sysmex U	14	85.7	0.0	14.3	4.4	0.0	e
8	Aution	7	57.1	0.0	42.9	4.4	0.0	e
9	Siemens Clinitek	23	73.9	0.0	26.1	4.4	0.2	e

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

# HBV NAT qn

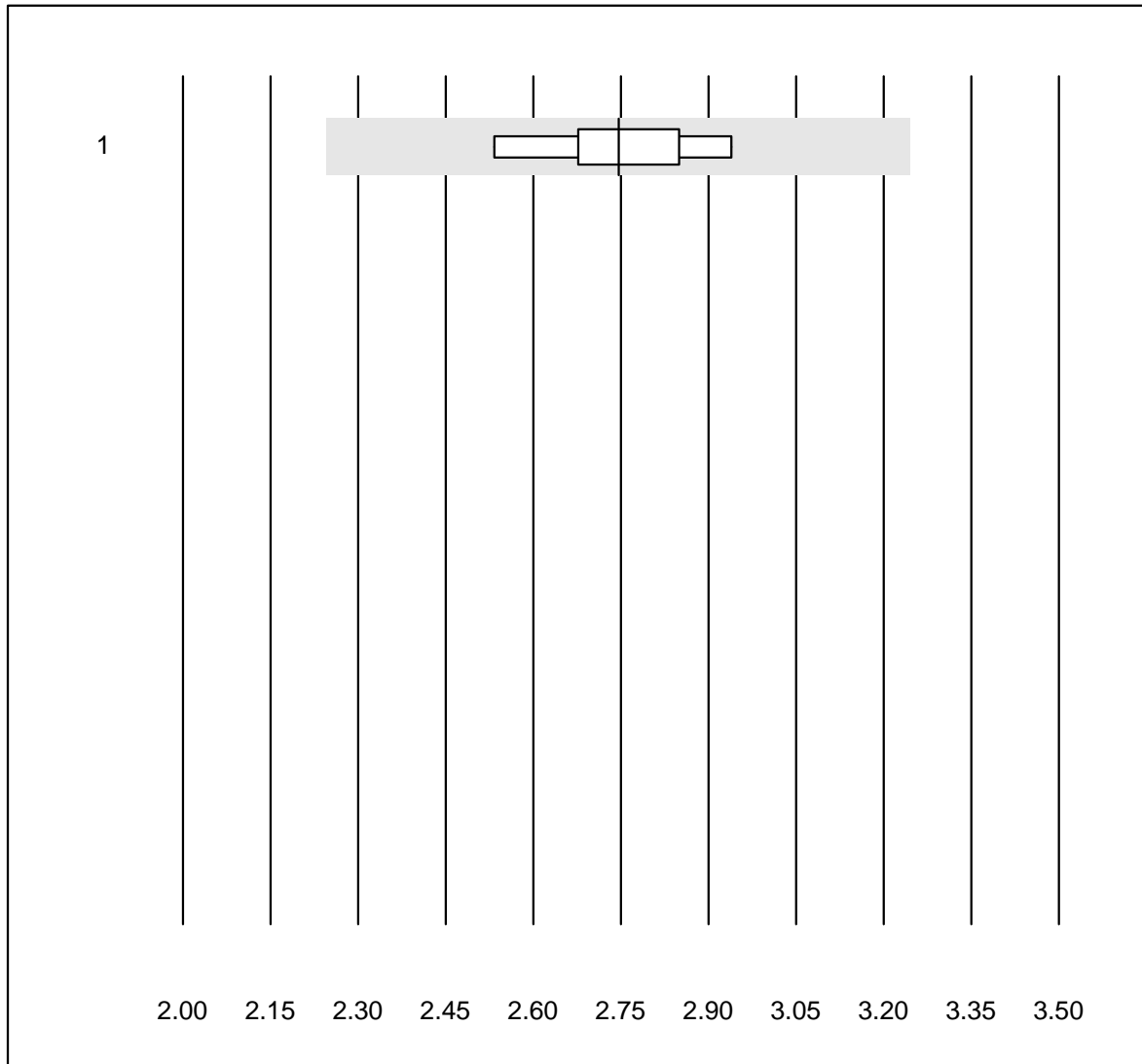


HBV NAT qn (Log10 IU/m)

QUALAB tolerance : +/- 0.50 Log10 IU/m

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 all Participants	8	100.0	0.0	0.0	3.48	2.3	e*

# HCV NAT qn

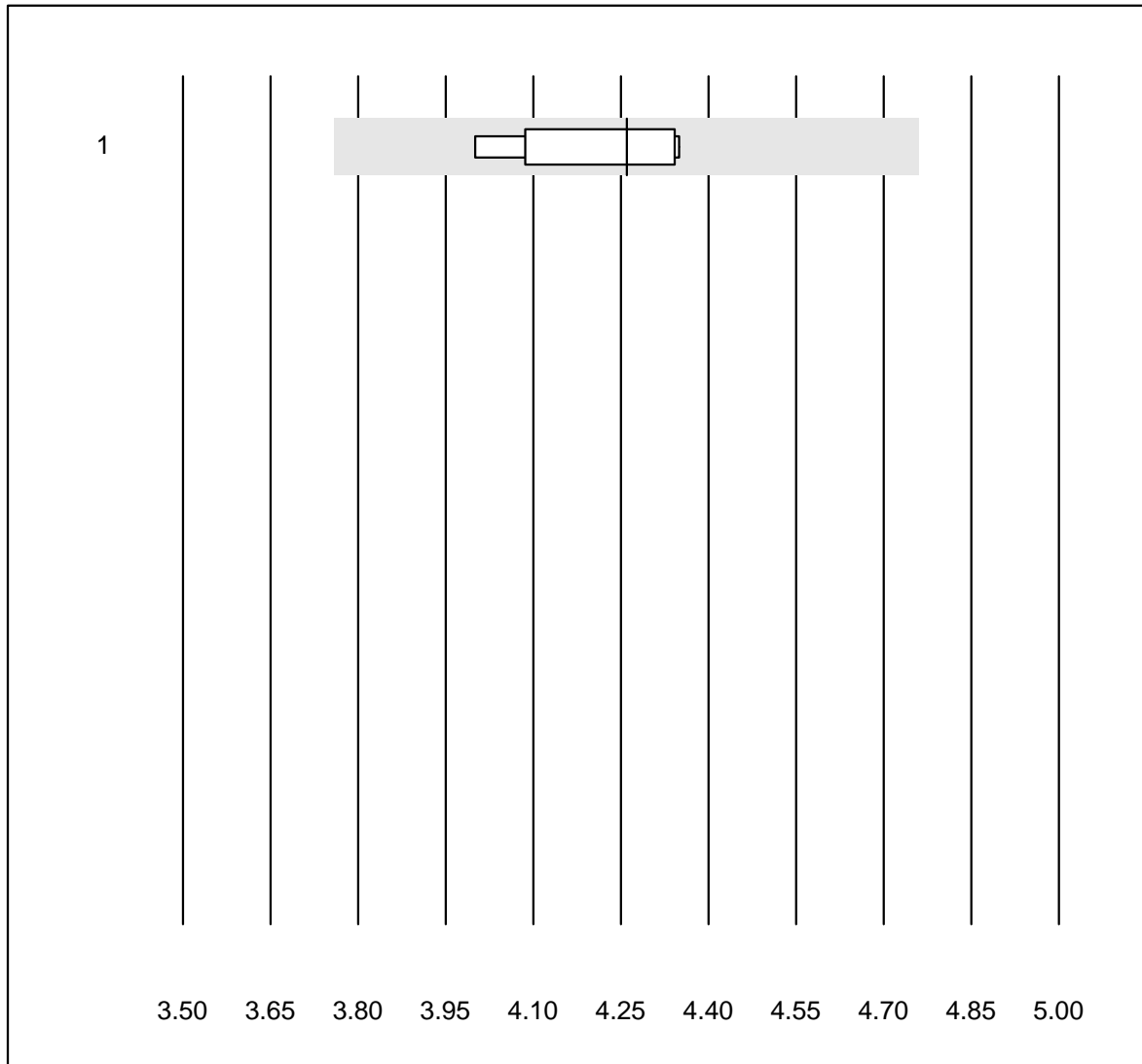


HCV NAT qn (Log10 IU/m)

QUALAB tolerance : +/- 0.50 Log10 IU/m

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 all Participants	9	100.0	0.0	0.0	2.75	4.5	e*

# HIV1 NAT qn



HIV1 NAT qn (Log10 cp/m)

QUALAB tolerance : +/- 0.50 Log10 cp/m

No. Methode	Total	% OK	% insuff.	% outlier	Target	CV%	Type
1 all Participants	7	100.0	0.0	0.0	4.26	3.2	e*