

Verein für
Association pour le
Associazione per il



medizinische Qualitätskontrolle
contrôle de qualité médical
controllo di qualità medico

Survey Report

2014 - 2

Survey Specimens

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

The following survey specimens were produced specifically for MQ by a sub-contractor:
B1 Strep A Test, B2 Uricult, H4 Parasitic Hematology, K14 tumor marker

Determination of target values

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

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

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

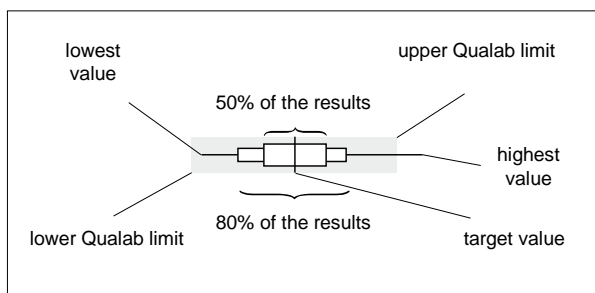
QUALAB and MQ tolerances

For all mandatory analyzes, QUALAB tolerances are used (www.qualab.ch, 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:

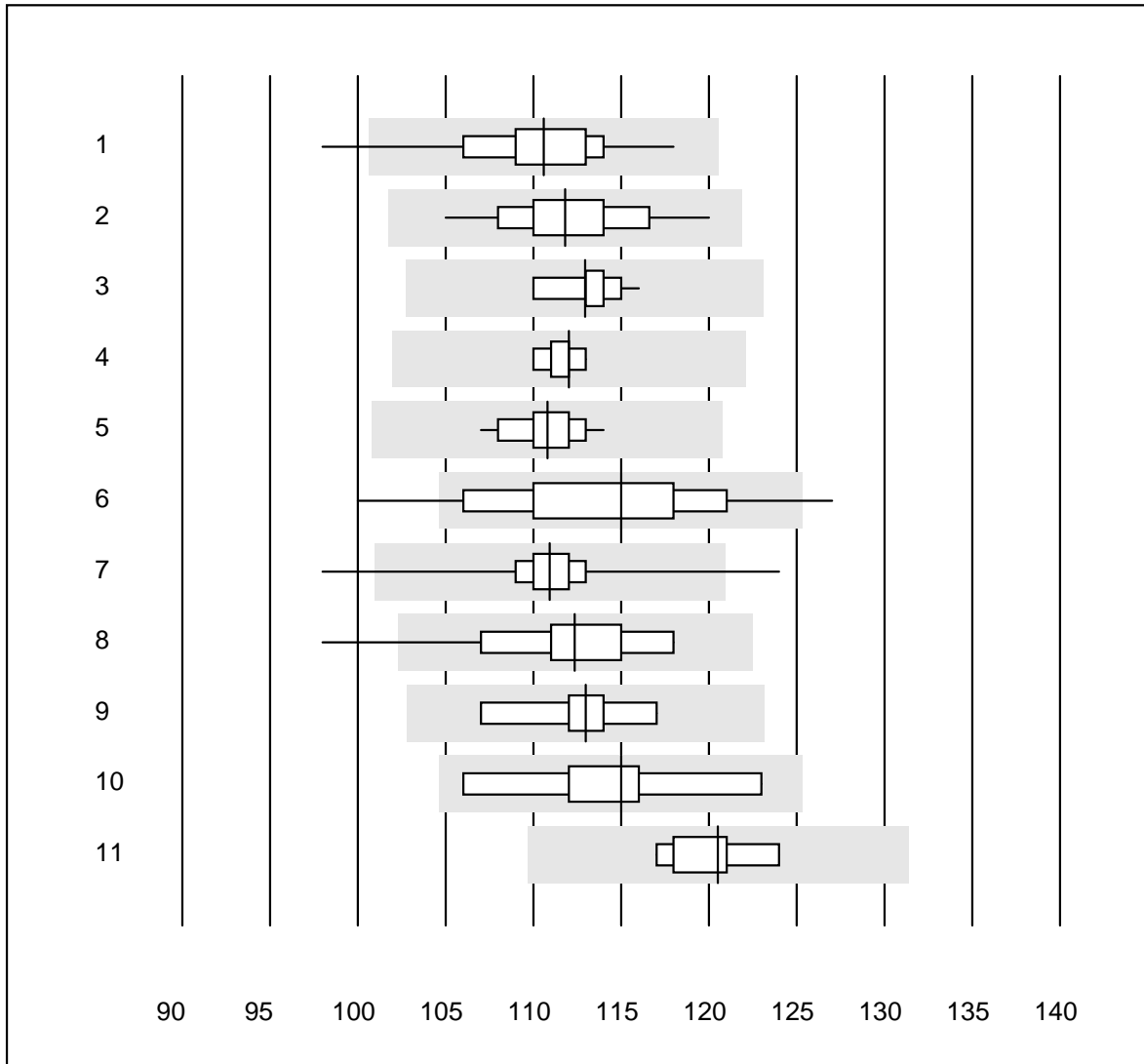
- The chemical control K1 is a ready-to-use commercial control serum. Even if the specimen is of human origin, it is possible that matrix effects occur. These are device-specific and result in different target values.
- Only one specimen was measured. Since the scatter of the results is dependent on 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, 30.6.2014

Dr. R. Fried
Suvey 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

Hemoglobin

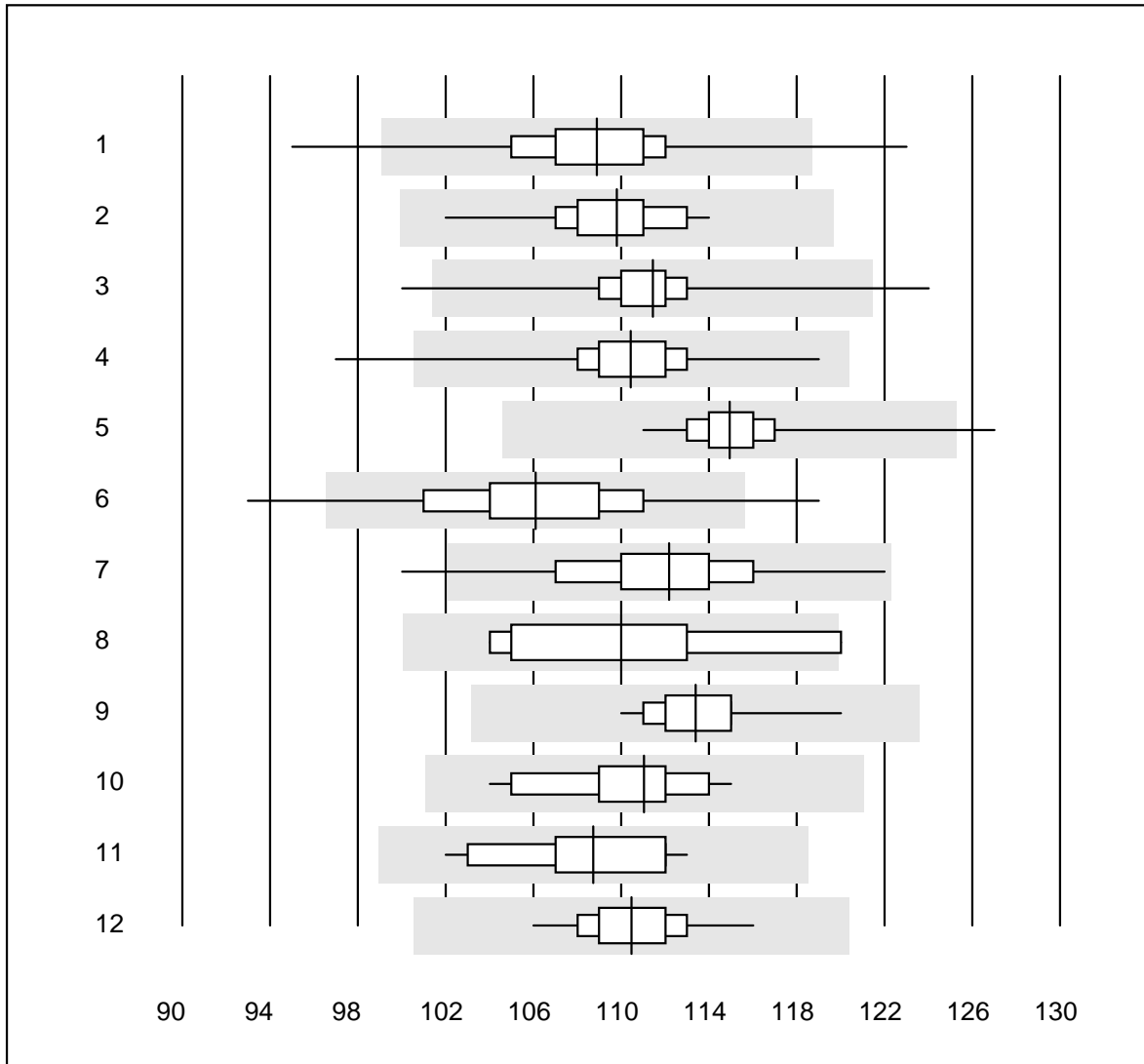


QUALAB tolerance : 9 %

Hemoglobin (g/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Automat	60	98.3	1.7	0.0	110.6	3.0	e
2	Cyanmethemoglobin	64	96.9	0.0	3.1	111.8	3.0	e
3	Sysmex XT/XE/XS	38	100.0	0.0	0.0	112.9	1.3	e
4	Sysmex K1000	5	100.0	0.0	0.0	112.0	1.0	e
5	ABX Pentra	14	100.0	0.0	0.0	110.8	1.8	e
6	Reflotron	95	84.2	6.3	9.5	115.0	4.9	e
7	Hemocue	322	92.9	0.6	6.5	110.9	2.2	e
8	Dr. Lange	25	88.0	8.0	4.0	112.4	4.6	e
9	Hemocontrol	9	100.0	0.0	0.0	113.0	2.5	e
10	Eurolyser	5	100.0	0.0	0.0	115.0	5.4	e*
11	Other methods	7	85.7	0.0	14.3	120.5	2.1	e

Hemoglobin

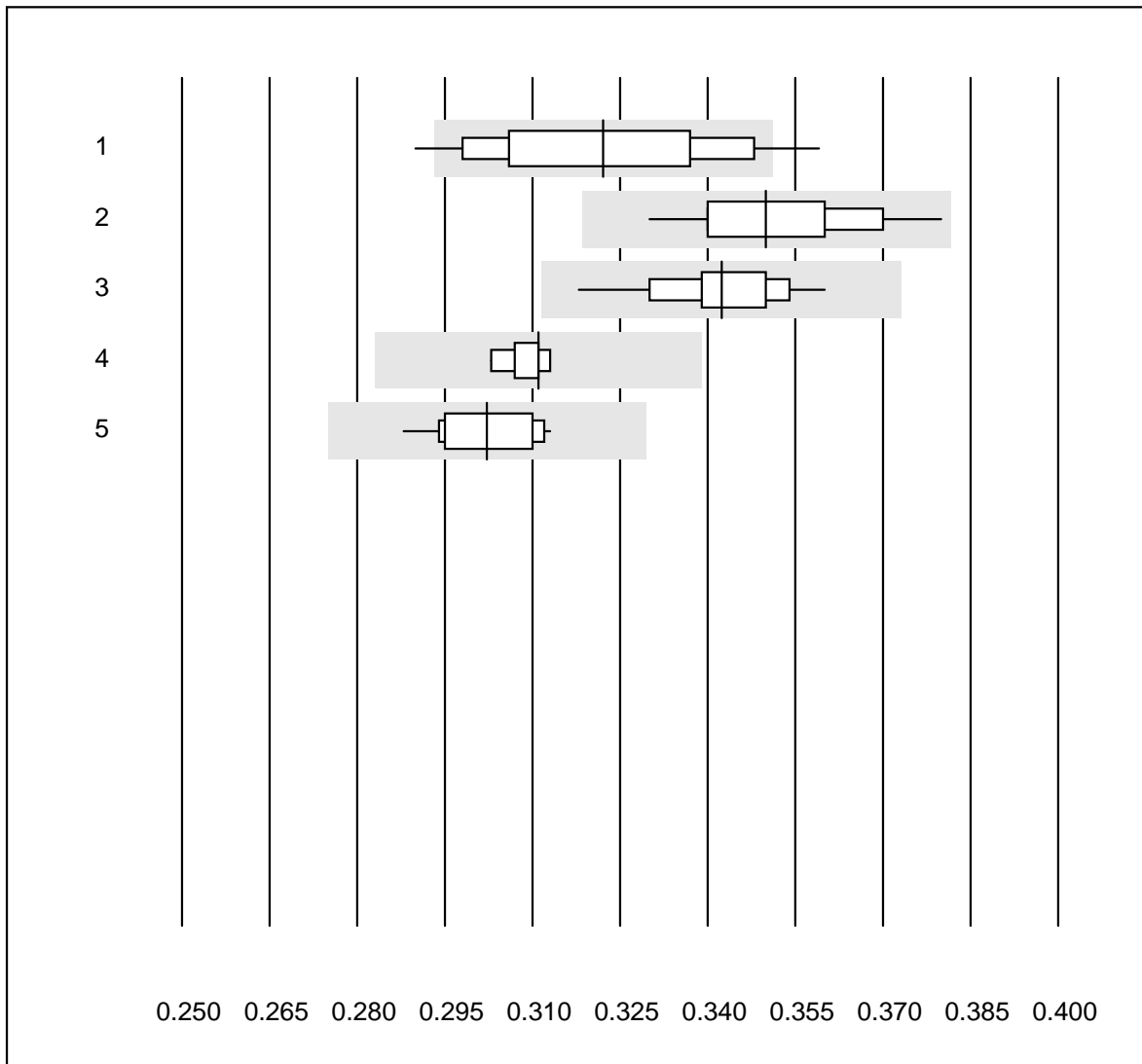


QUALAB tolerance : 9 %

Hemoglobin (g/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Abx Micros	966	96.5	1.4	2.1	109	2.9	e
2	Microsemi	128	99.2	0.0	0.8	110	2.0	e
3	Sysmex KX21	465	97.4	0.4	2.2	111	1.8	e
4	Sysmex PochH - 100i	205	97.5	1.0	1.5	110	2.4	e
5	Sysmex XP 300	92	97.8	1.1	1.1	115	1.8	e
6	Mythic	256	96.8	1.6	1.6	106	3.6	e
7	Swelab	66	97.0	3.0	0.0	112	3.5	e
8	MS4	10	80.0	10.0	10.0	110	5.3	e*
9	Abacus Junior	13	100.0	0.0	0.0	113	2.3	e
10	Medonic	22	90.9	0.0	9.1	111	2.8	e
11	Nihon Kohden Celltac	22	100.0	0.0	0.0	109	3.1	e
12	Samsung HC10	33	100.0	0.0	0.0	110	1.9	e

Hematocrit

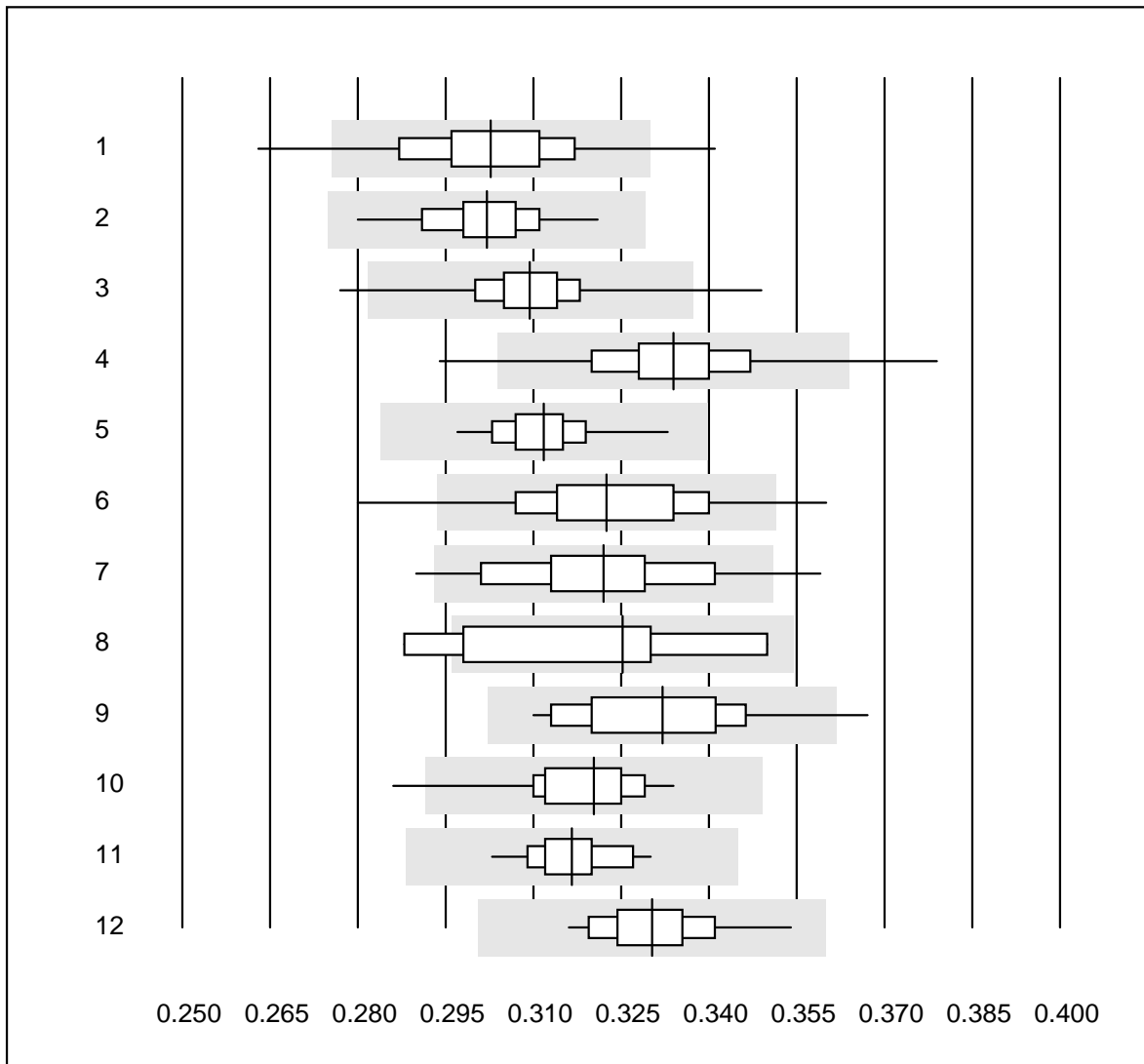


QUALAB tolerance : 9 %

Hematocrit (l/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Automat	50	88.0	8.0	4.0	0.32	5.7	e
2	Centrifuge	18	88.9	0.0	11.1	0.35	3.8	e
3	Sysmex XT/XE/XS	37	100.0	0.0	0.0	0.34	2.6	e
4	Sysmex K1000	5	100.0	0.0	0.0	0.31	1.3	e
5	ABX Pentra	14	100.0	0.0	0.0	0.30	2.7	e

Hematocrit

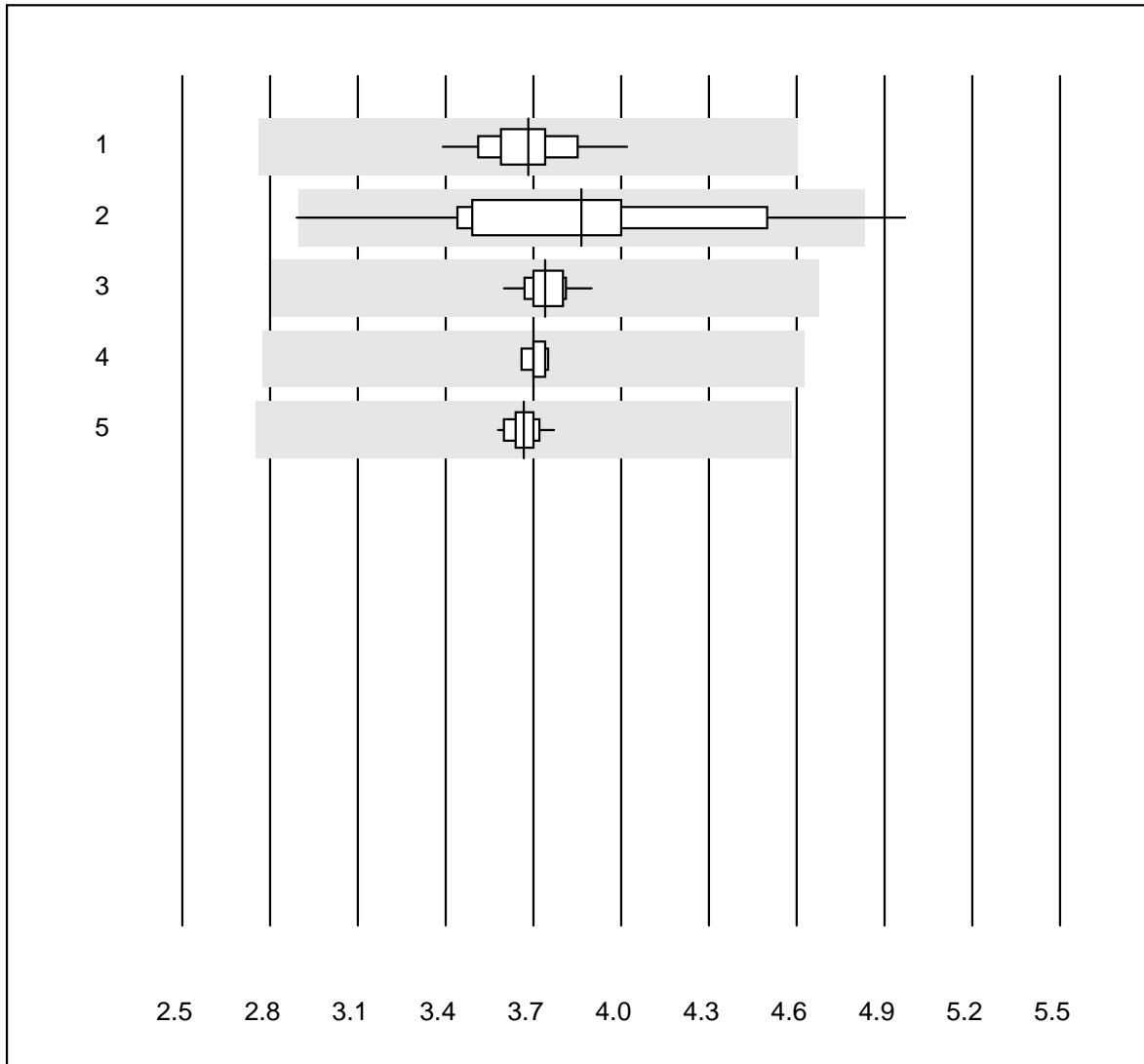


QUALAB tolerance : 9 %

Hematocrit (l/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Abx Micros	965	93.3	3.9	2.8	0.30	4.0	e
2	Microsemi	127	99.2	0.0	0.8	0.30	2.6	e
3	Sysmex KX21	465	96.5	1.1	2.4	0.31	2.6	e
4	Sysmex PochH - 100i	205	97.0	2.0	1.0	0.33	3.3	e
5	Sysmex XP 300	90	100.0	0.0	0.0	0.31	2.1	e
6	Mythic	256	92.6	4.3	3.1	0.32	4.2	e
7	Swelab	66	91.0	4.5	4.5	0.32	4.6	e
8	MS4	10	70.0	10.0	20.0	0.33	6.6	e*
9	Abacus Junior	13	92.3	7.7	0.0	0.33	5.0	e*
10	Medonic	22	86.4	4.5	9.1	0.32	3.2	e
11	Nihon Kohden Celltac	22	100.0	0.0	0.0	0.32	2.2	e
12	Samsung HC10	33	100.0	0.0	0.0	0.33	2.6	e

Erythrocytes

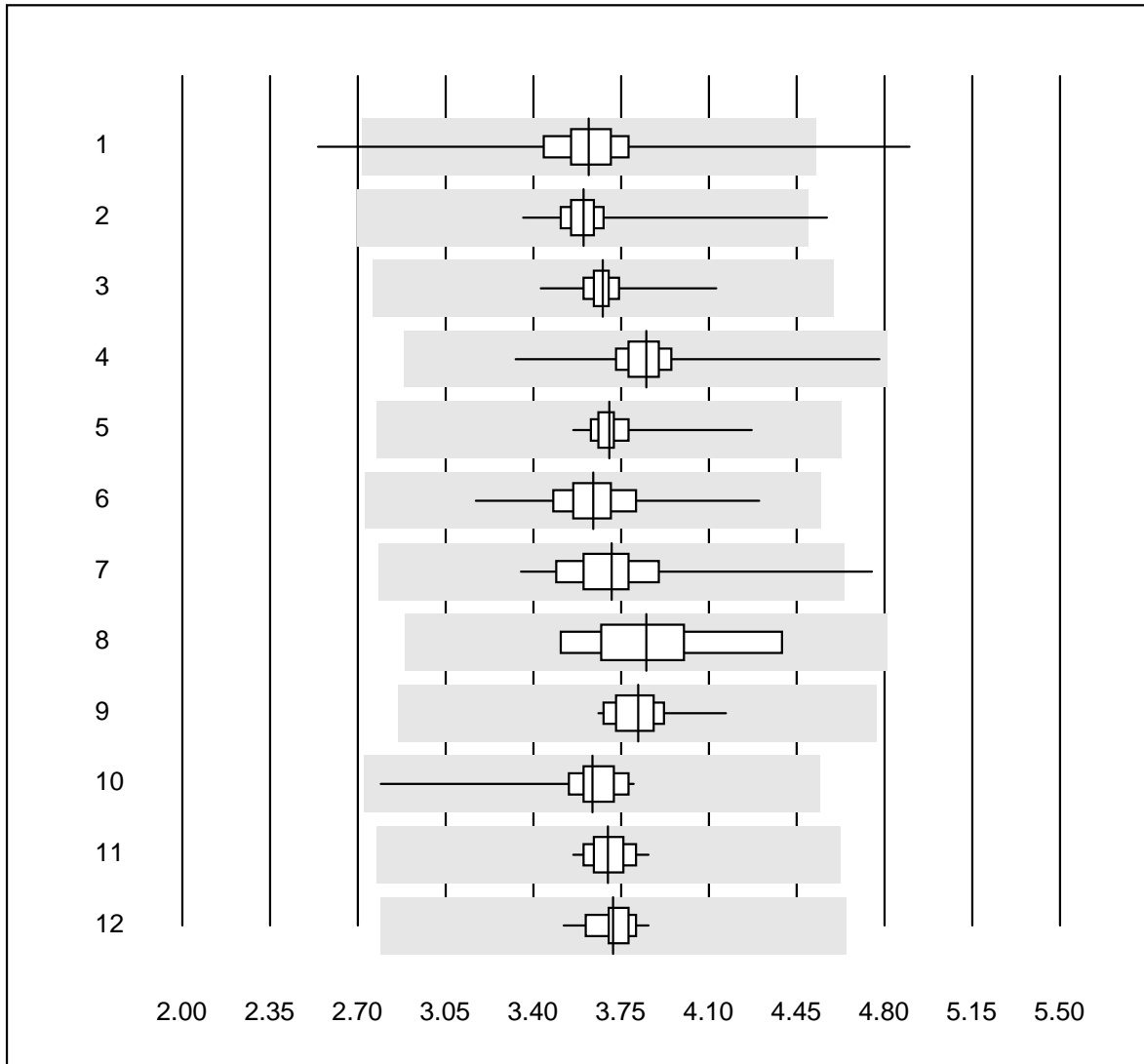


QUALAB tolerance : 25 %

Erythrocytes (T/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Automat	47	100.0	0.0	0.0	3.68	3.6	e
2	Microscopic	12	83.3	16.7	0.0	3.87	14.7	e*
3	Sysmex XT/XE/XS	38	100.0	0.0	0.0	3.74	1.6	e
4	Sysmex K1000	5	100.0	0.0	0.0	3.70	1.0	e
5	ABX Pentra	14	100.0	0.0	0.0	3.67	1.4	e

Erythrocytes

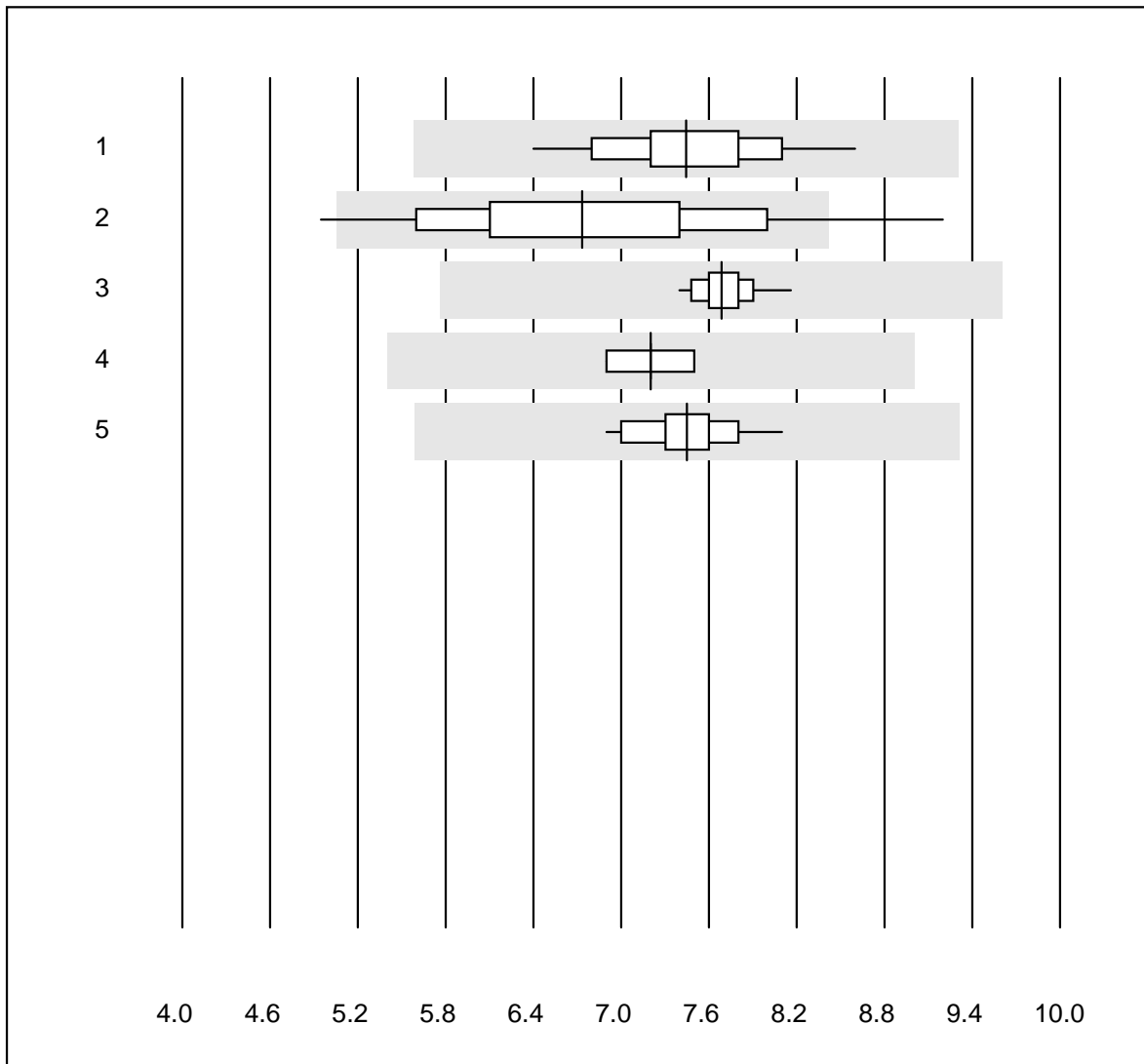


QUALAB tolerance : 25 %

Erythrocytes (T/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Abx Micros	965	98.7	0.2	1.1	3.6	4.3	e
2	Microsemi	129	99.2	0.8	0.0	3.6	3.1	e
3	Sysmex KX21	465	98.3	0.0	1.7	3.7	1.9	e
4	Sysmex PochH - 100i	205	100.0	0.0	0.0	3.8	3.8	e
5	Sysmex XP 300	92	100.0	0.0	0.0	3.7	2.3	e
6	Mythic	256	97.3	0.0	2.7	3.6	3.9	e
7	Swelab	66	98.5	1.5	0.0	3.7	6.1	e
8	MS4	9	100.0	0.0	0.0	3.9	7.5	e
9	Abacus Junior	13	100.0	0.0	0.0	3.8	3.5	e
10	Medonic	22	95.5	0.0	4.5	3.6	5.7	e
11	Samsung HC10	33	100.0	0.0	0.0	3.7	2.2	e
12	Nihon Kohden Celltac	22	95.5	0.0	4.5	3.7	2.3	e

Leucocytes

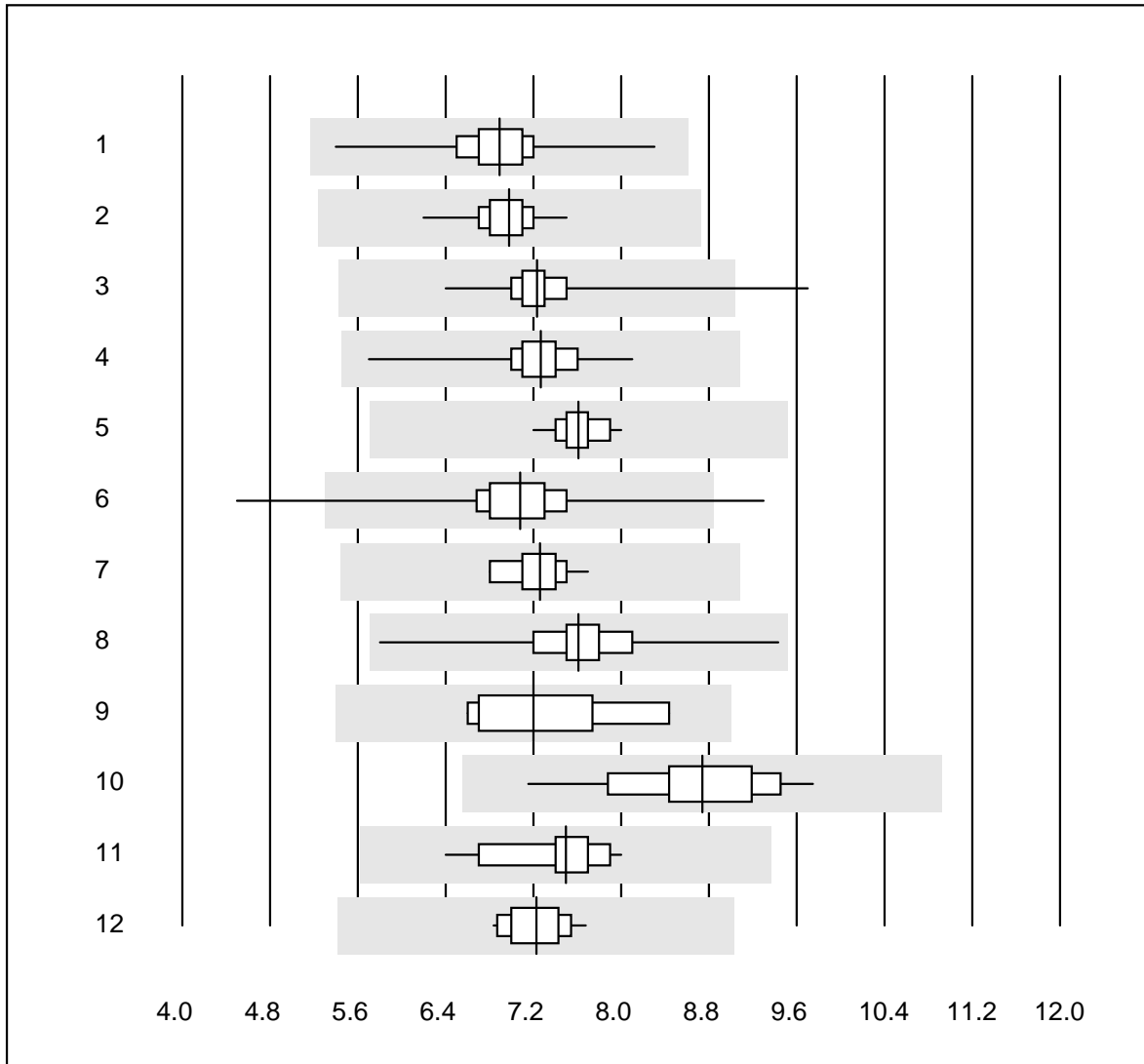


QUALAB tolerance : 25 %

Leucocytes (G/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Automat	43	100.0	0.0	0.0	7.44	6.6	e
2	Microscopic	79	91.2	6.3	2.5	6.74	14.1	e
3	Sysmex XT/XE/XS	38	100.0	0.0	0.0	7.69	2.2	e
4	Sysmex K1000	5	100.0	0.0	0.0	7.20	2.9	e
5	ABX Pentra	14	100.0	0.0	0.0	7.45	4.2	e

Leucocytes

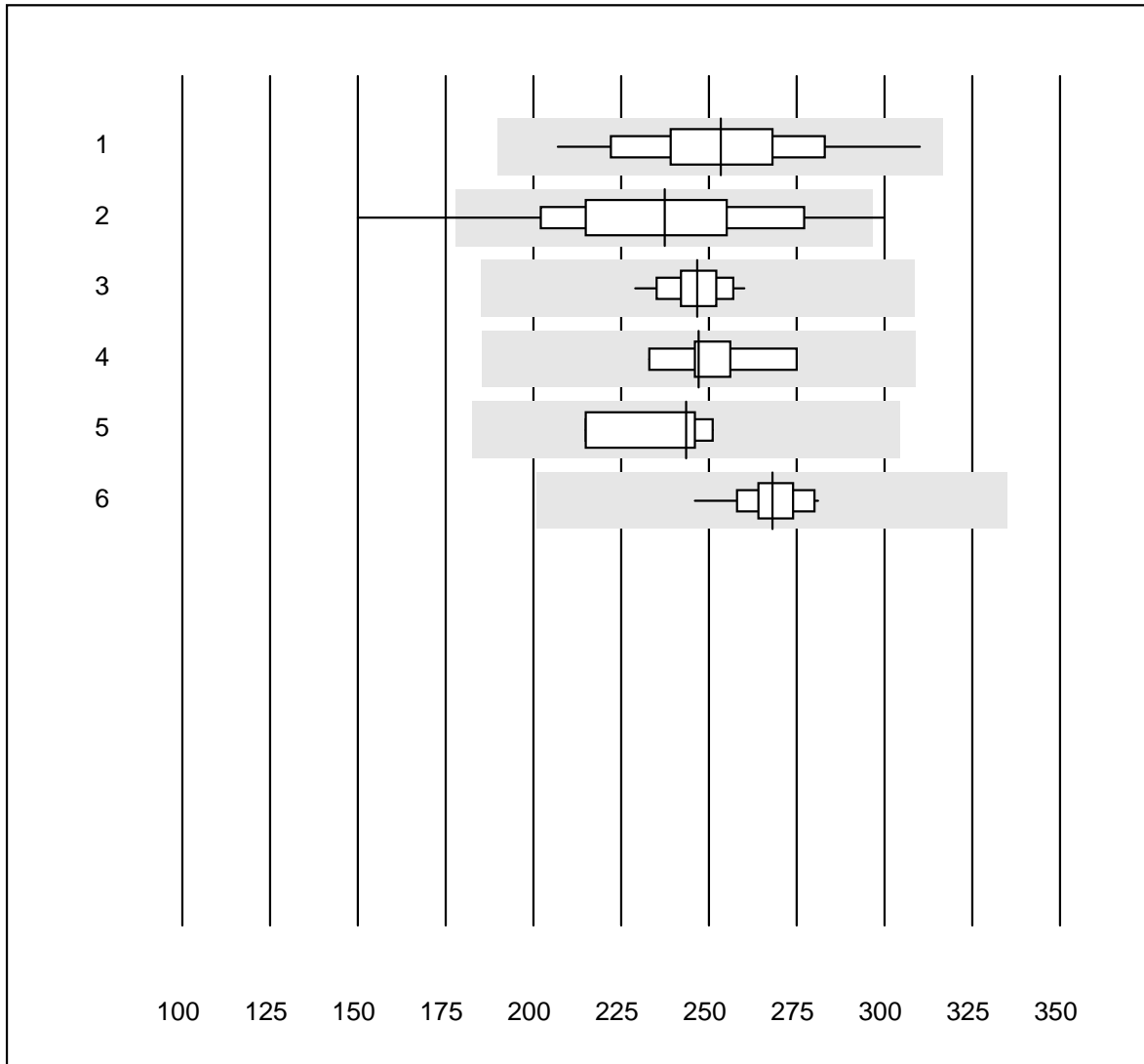


QUALAB tolerance : 25 %

Leucocytes (G/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Abx Micros	966	99.4	0.0	0.6	6.89	4.4	e
2	Microsemi	129	100.0	0.0	0.0	6.98	3.1	e
3	Sysmex KX21	465	99.4	0.4	0.2	7.23	3.7	e
4	Sysmex PochH - 100i	205	99.0	0.0	1.0	7.27	3.6	e
5	Sysmex XP 300	92	98.9	0.0	1.1	7.61	2.4	e
6	Mythic	253	98.8	0.8	0.4	7.08	6.1	e
7	Nihon Kohden Celltac	22	90.9	0.0	9.1	7.26	3.4	e
8	Swelab	66	95.5	0.0	4.5	7.61	6.6	e
9	MS4	9	100.0	0.0	0.0	7.20	8.7	e
10	Abacus Junior	13	100.0	0.0	0.0	8.74	8.1	e
11	Medonic	22	100.0	0.0	0.0	7.50	5.5	e
12	Samsung HC10	33	100.0	0.0	0.0	7.22	3.5	e

Thrombocytes

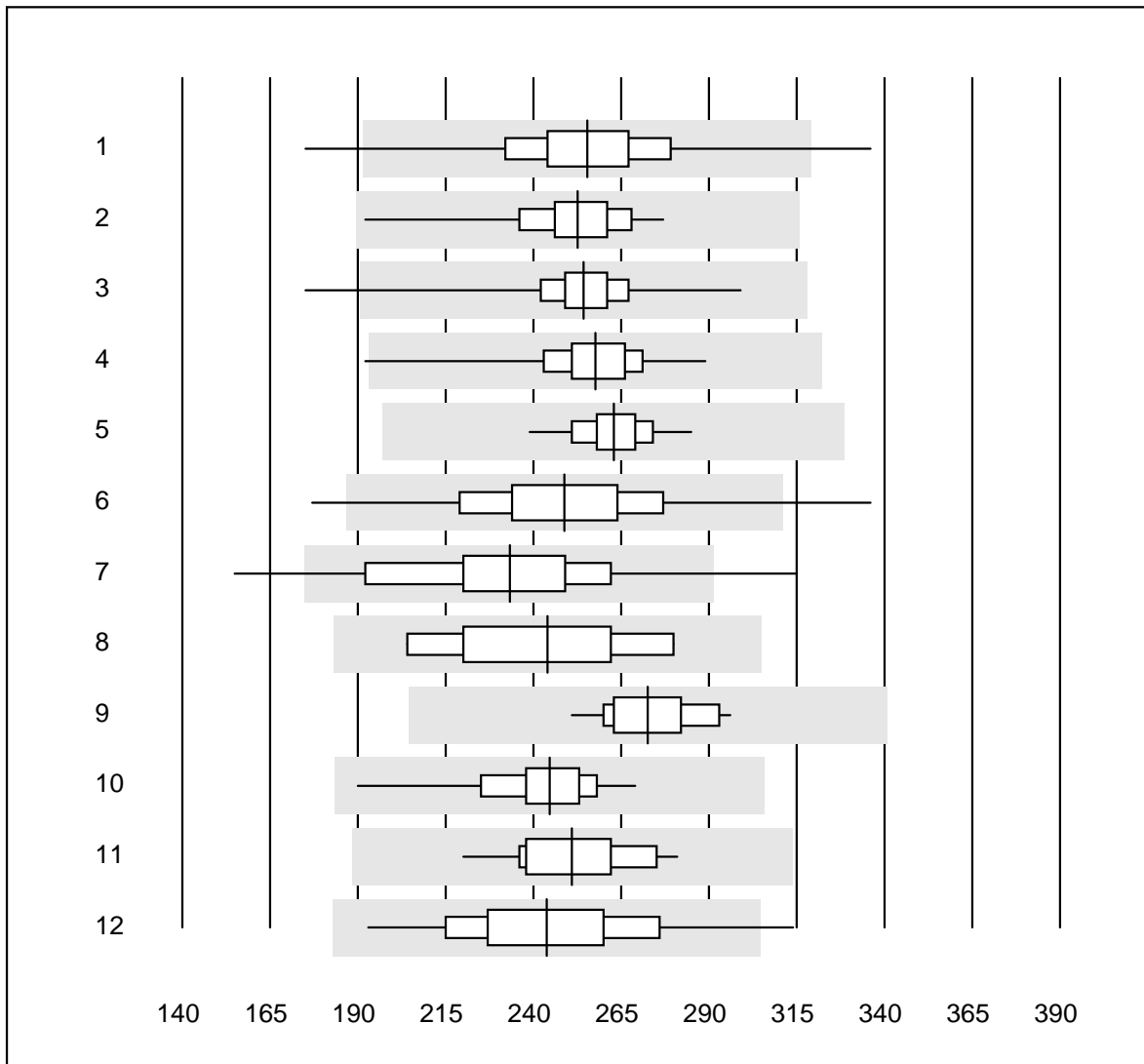


QUALAB tolerance : 25 %

Thrombocytes (G/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Automat	40	100.0	0.0	0.0	253.3	9.2	e
2	Microscopic	51	94.1	3.9	2.0	237.3	13.3	e
3	Sysmex XT/XE/XS	38	100.0	0.0	0.0	246.7	3.2	e
4	Sysmex K1000	5	100.0	0.0	0.0	247.0	6.2	e
5	Advia 120	4	100.0	0.0	0.0	243.5	6.7	e*
6	ABX Pentra	14	100.0	0.0	0.0	268.1	3.5	e

Thrombocytes

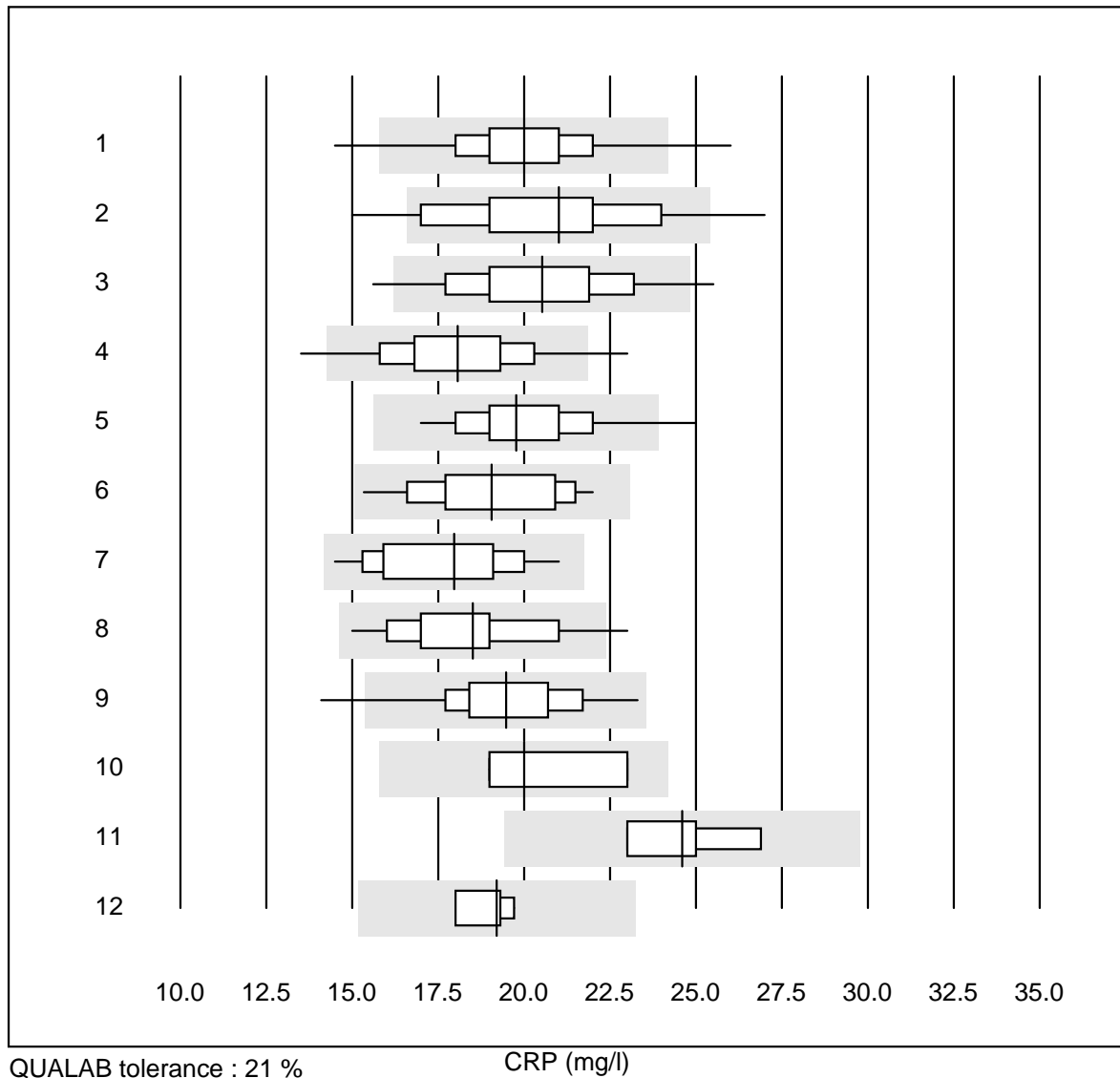


QUALAB tolerance : 25 %

Thrombocytes (G/l)

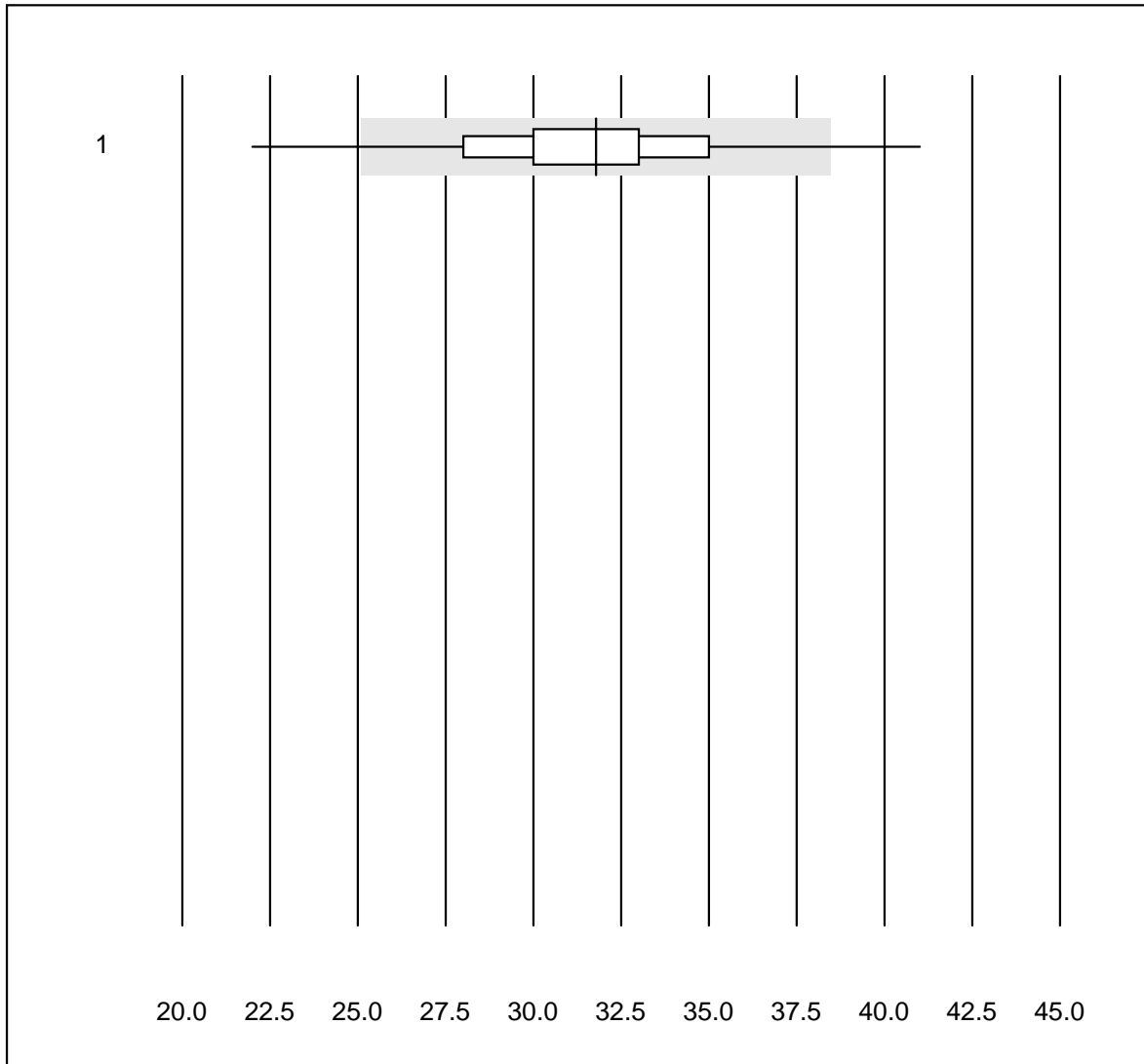
No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Abx Micros	965	98.3	1.0	0.7	255.3	7.7	e
2	Microsemi	129	100.0	0.0	0.0	252.7	5.4	e
3	Sysmex KX21	465	98.9	0.9	0.2	254.3	4.8	e
4	Sysmex PochH - 100i	204	99.5	0.5	0.0	257.7	4.9	e
5	Sysmex XP 300	92	100.0	0.0	0.0	262.9	3.6	e
6	Mythic	256	97.6	1.6	0.8	248.8	9.8	e
7	Swelab	66	92.4	7.6	0.0	233.2	12.6	e
8	MS4	9	100.0	0.0	0.0	244.0	10.9	e*
9	Abacus Junior	13	84.6	0.0	15.4	272.5	5.2	e
10	Medonic	22	100.0	0.0	0.0	244.6	8.0	e
11	Nihon Kohden Celltac	22	100.0	0.0	0.0	251.0	6.7	e
12	Samsung HC10	33	97.0	3.0	0.0	243.8	10.9	e

CRP



No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Afinion	1037	98.3	0.9	0.8	20.0	8.1	e
2	NycoCard SingleTest-	567	77.6	8.6	13.8	21.0	12.8	e
3	Abx Micros	182	95.1	2.7	2.2	20.5	9.9	e
4	ABX Micros CRP200	349	93.1	4.3	2.6	18.1	10.2	e
5	Quick Read go	62	93.6	1.6	4.8	19.8	7.6	e
6	Turbidimetry	35	100.0	0.0	0.0	19.1	9.4	e
7	Cobas	12	100.0	0.0	0.0	18.0	11.3	e*
8	Fuji Dri-Chem	20	90.0	5.0	5.0	18.5	10.9	e
9	Eurolyser	109	82.6	1.8	15.6	19.5	9.1	e
10	AQT 90 FLEX	7	100.0	0.0	0.0	20.0	8.8	e*
11	Spotchem D-Concept	5	100.0	0.0	0.0	24.6	6.6	e*
12	Spotchem SI-3510	4	100.0	0.0	0.0	19.2	3.8	e

CRP

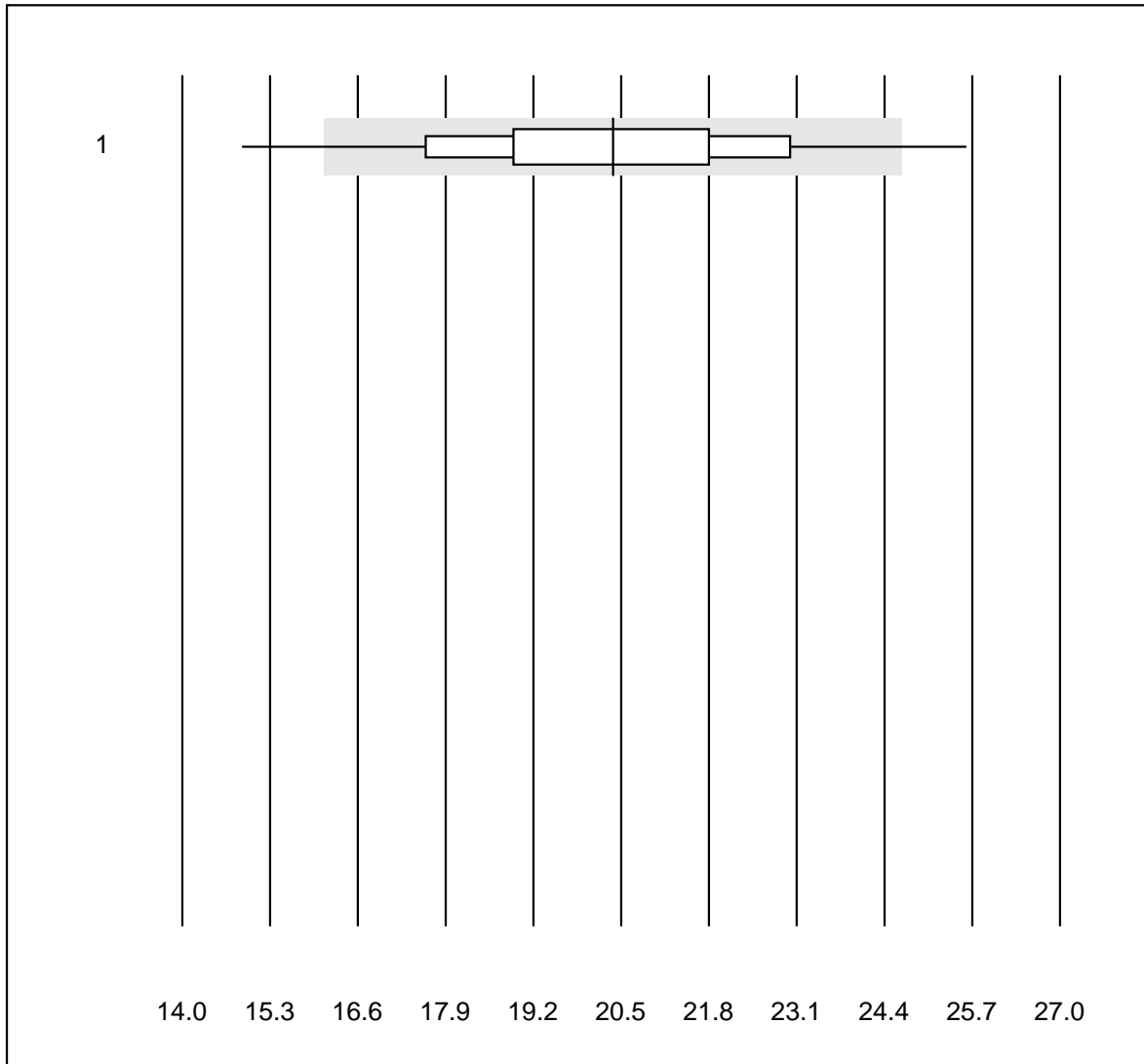


QUALAB tolerance : 21 %

CRP (mg/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	QuikRead (Vollblut)	209	92.8	4.8	2.4	31.8	10.0	e

CRP emi



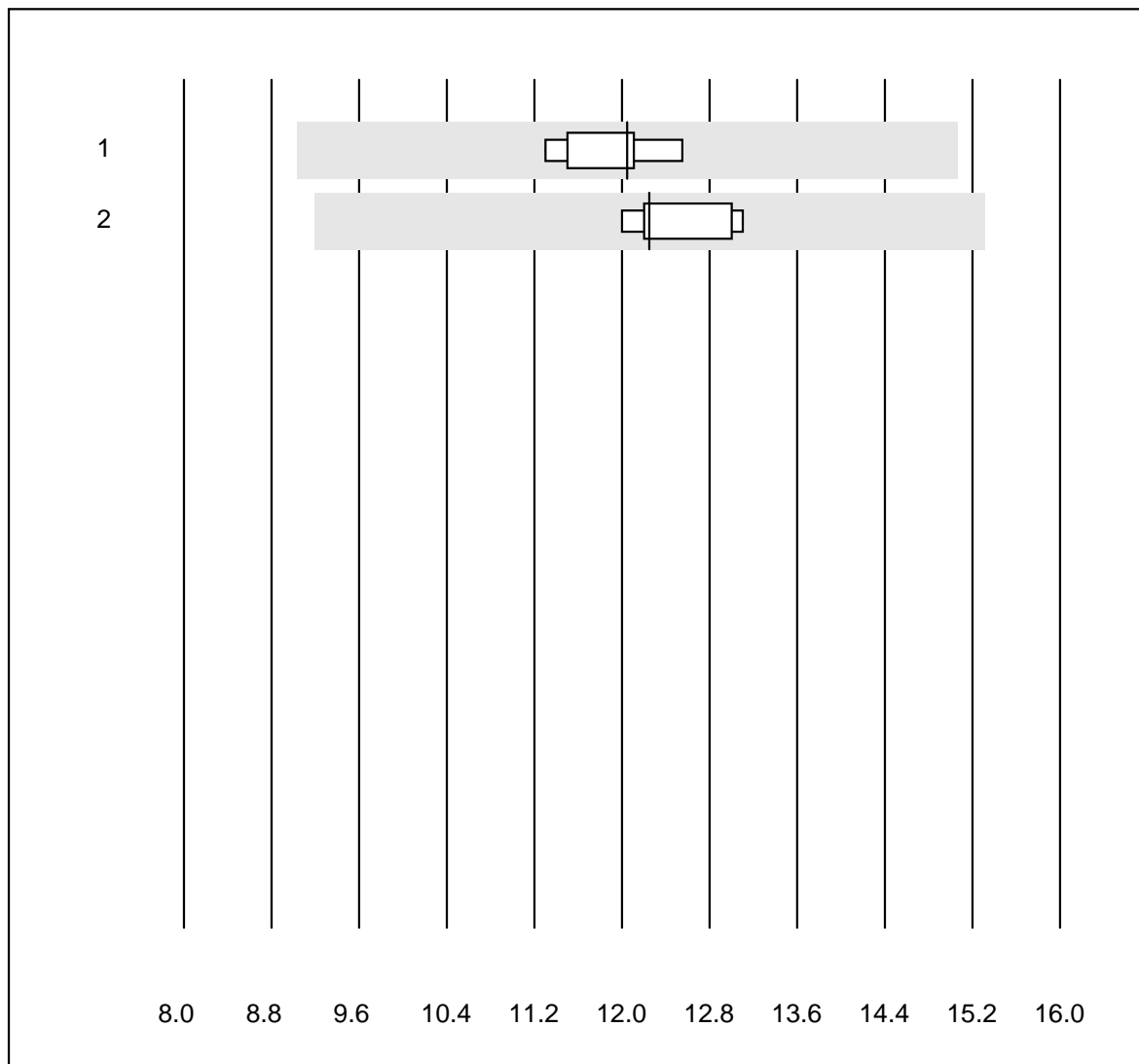
QUALAB tolerance : 21 %

CRP emi (mg/l)

No.Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1 Microsemi	126	94.4	3.2	2.4	20.4	10.1	e

I2 Plasmaproteins

IgG



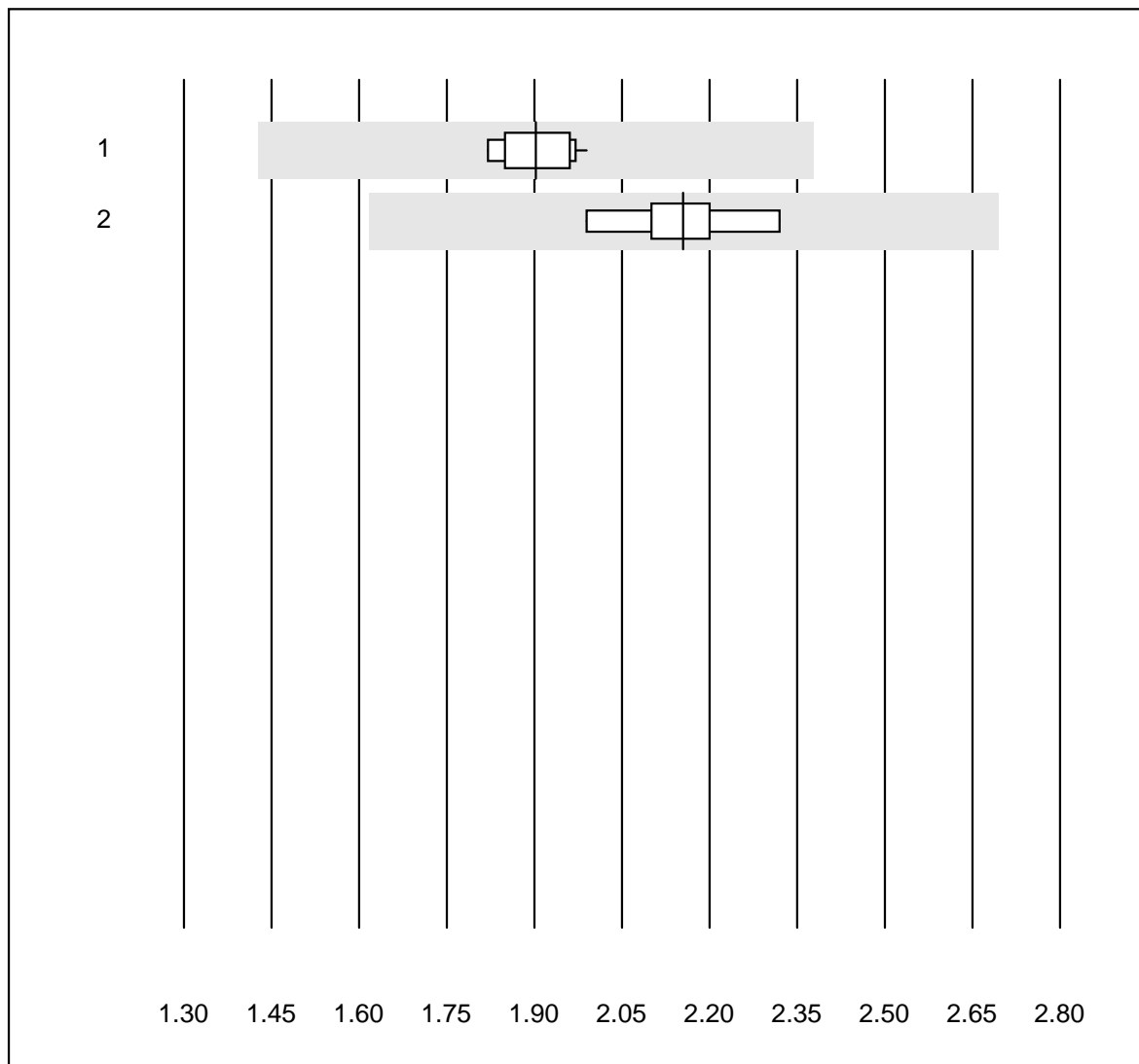
QUALAB tolerance : 25 %

IgG (g/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Turbidimetry	9	100.0	0.0	0.0	12.1	3.7	e
2	Nephelometry	6	100.0	0.0	0.0	12.3	3.7	e

I2 Plasmaproteins

IgA



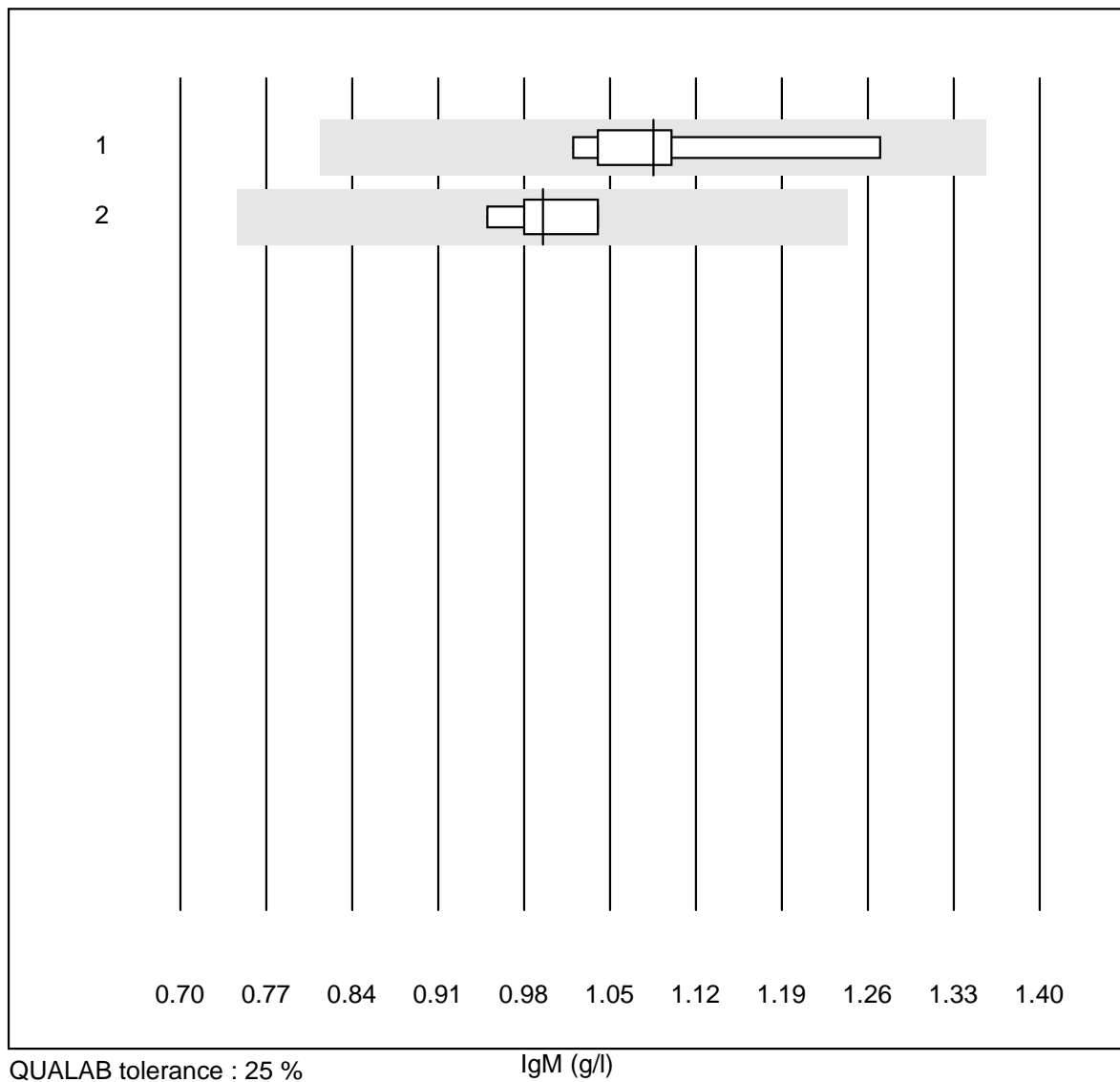
QUALAB tolerance : 25 %

IgA (g/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Turbidimetry	10	100.0	0.0	0.0	1.9	3.2	e
2	Nephelometry	6	100.0	0.0	0.0	2.2	5.1	e

I2 Plasmaproteins

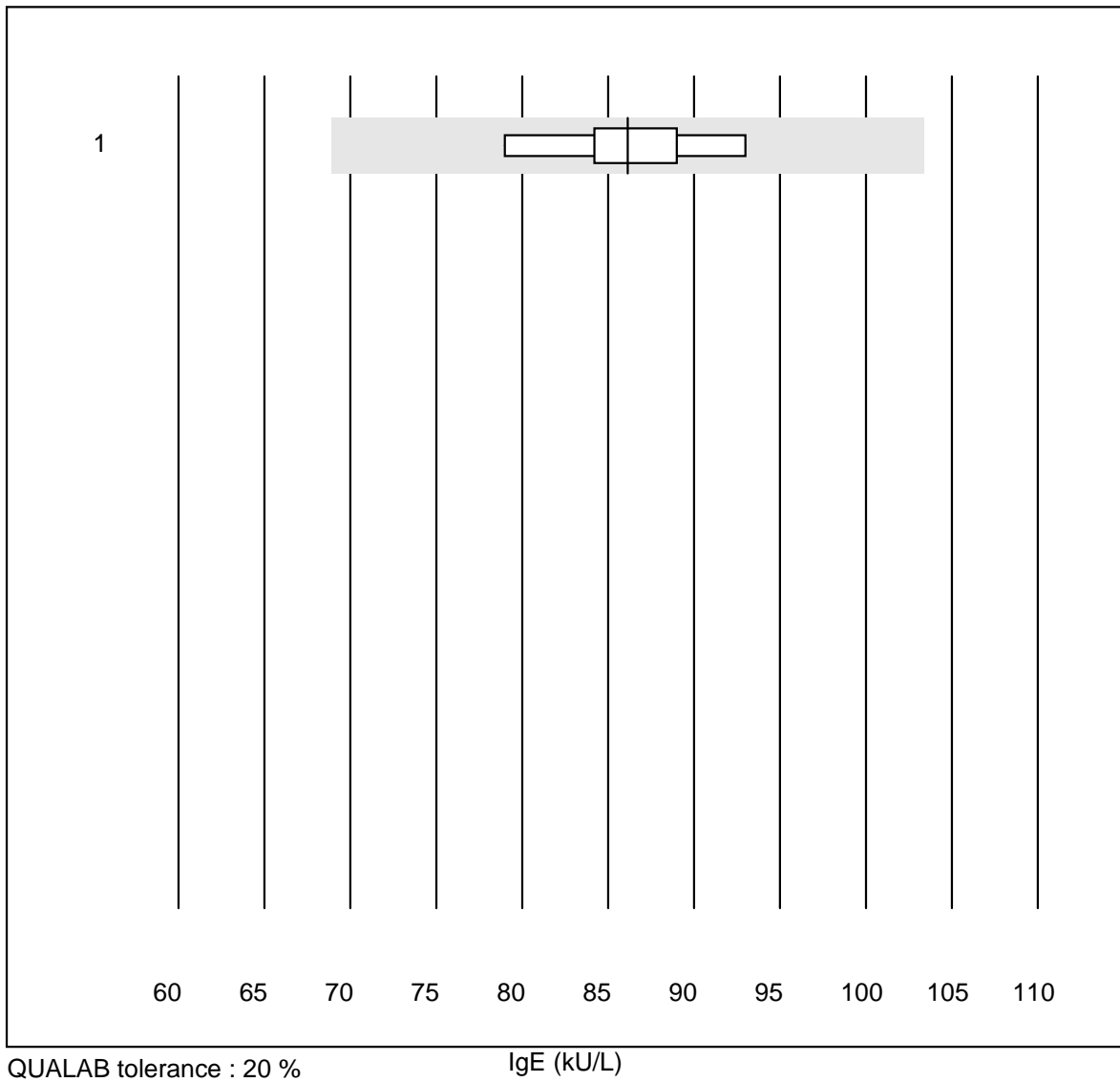
IgM



No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Nephelometry	6	100.0	0.0	0.0	1.1	8.1	e*
2	Cobas Integra 800/40	6	100.0	0.0	0.0	1.0	3.5	e

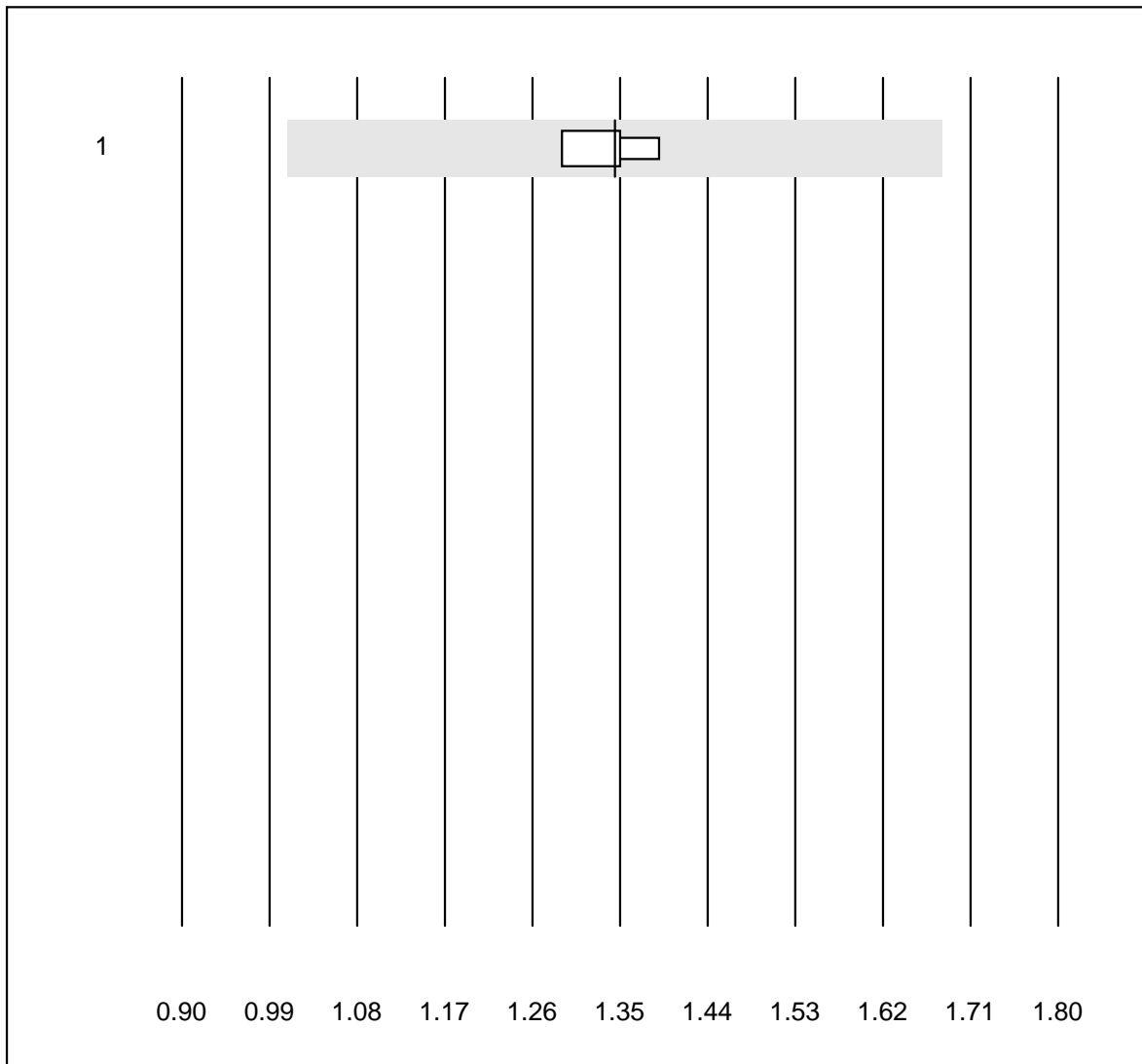
I2 Plasmaproteins

IgE



No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	all Participants	8	100.0	0.0	0.0	86	4.8	e

Alpha-1-Antitrypsin

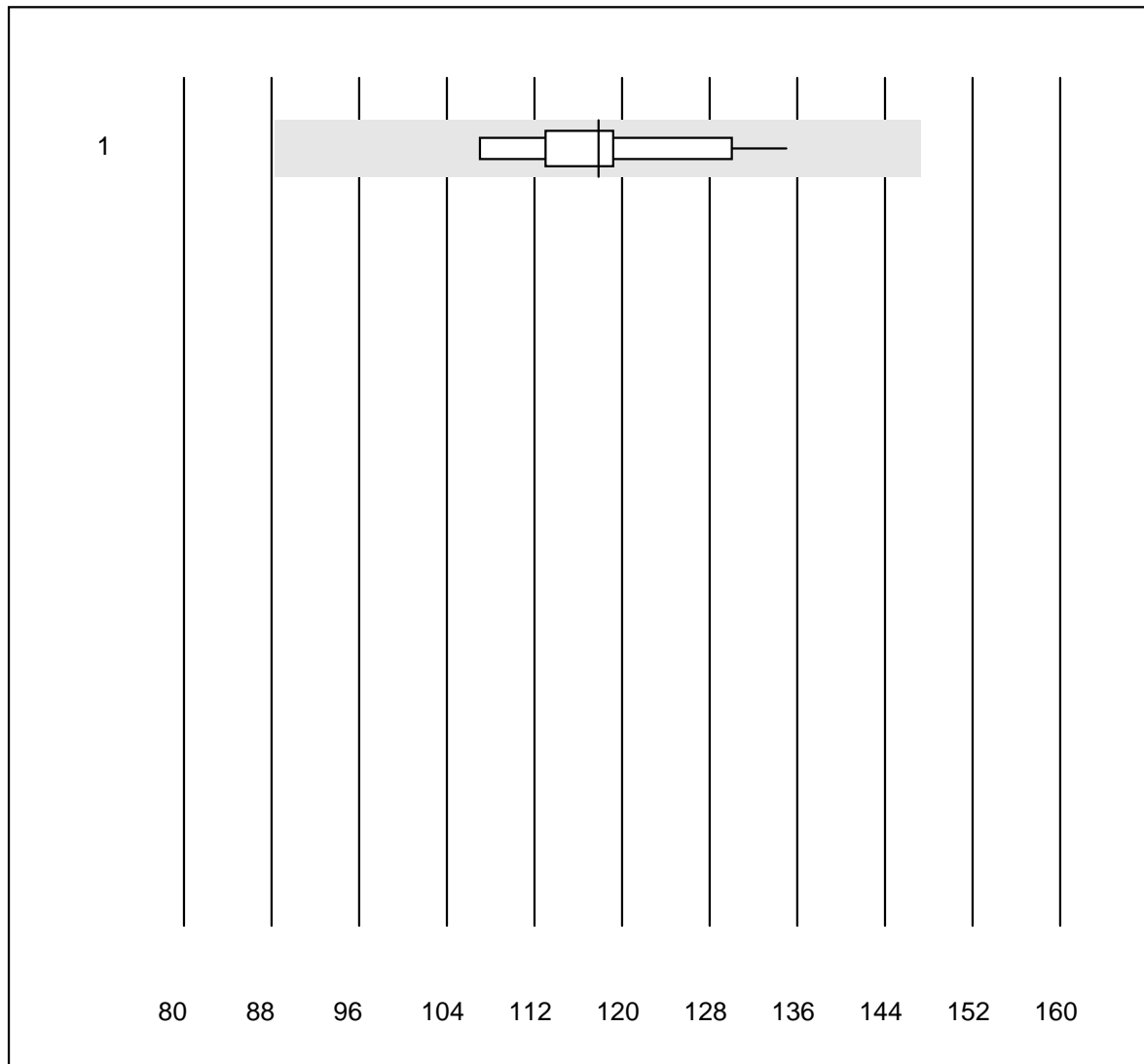


QUALAB tolerance : 25 %

Alpha-1-Antitrypsin (g/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Nephelometry	4	100.0	0.0	0.0	1.35	3.1	e

Anti-streptolysin-O

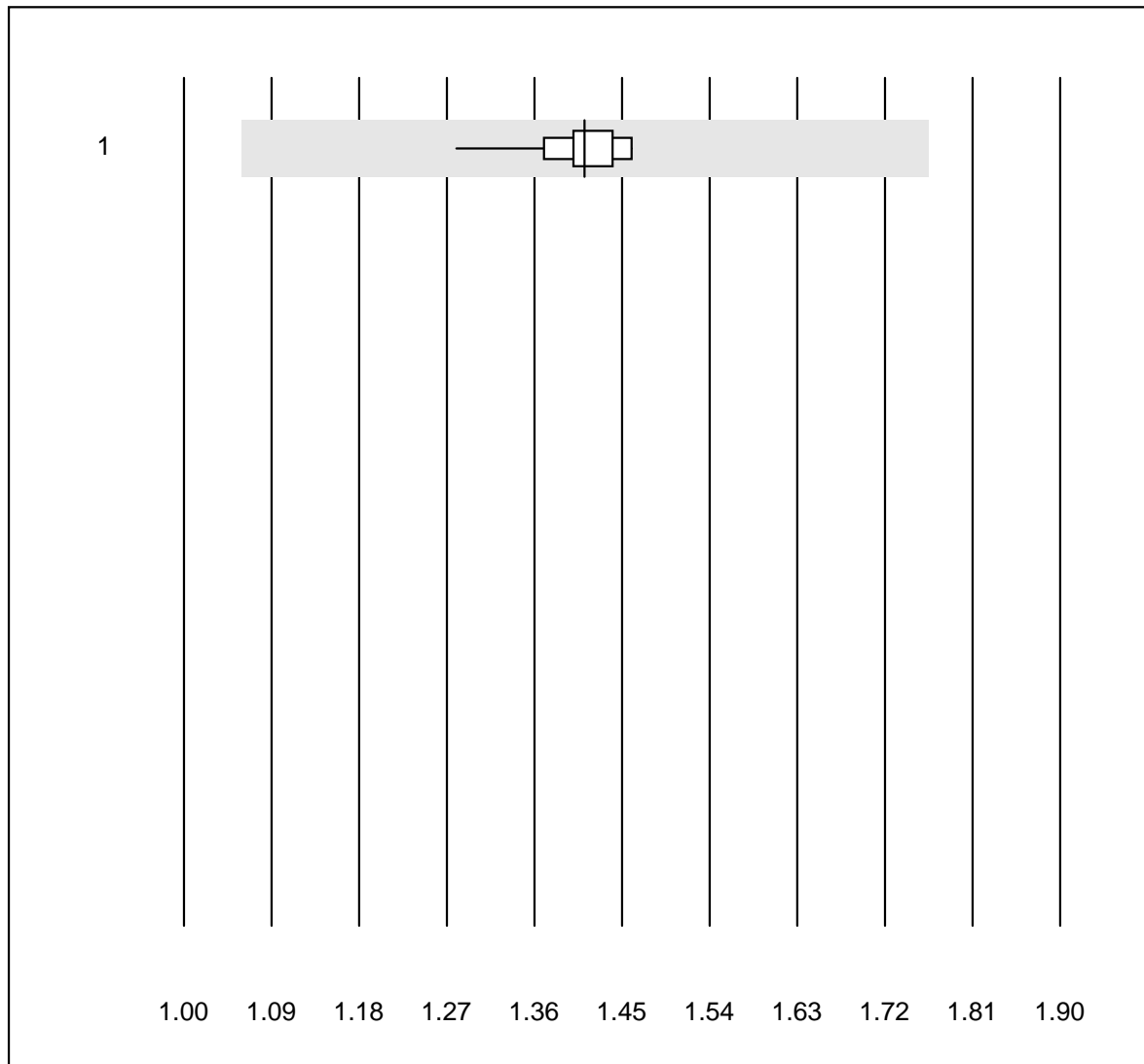


QUALAB tolerance : 25 %

Anti-streptolysin-O (kIU/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Type
1	all Participants	10	100.0	0.0	0.0	118	7.4	e

Complement C3

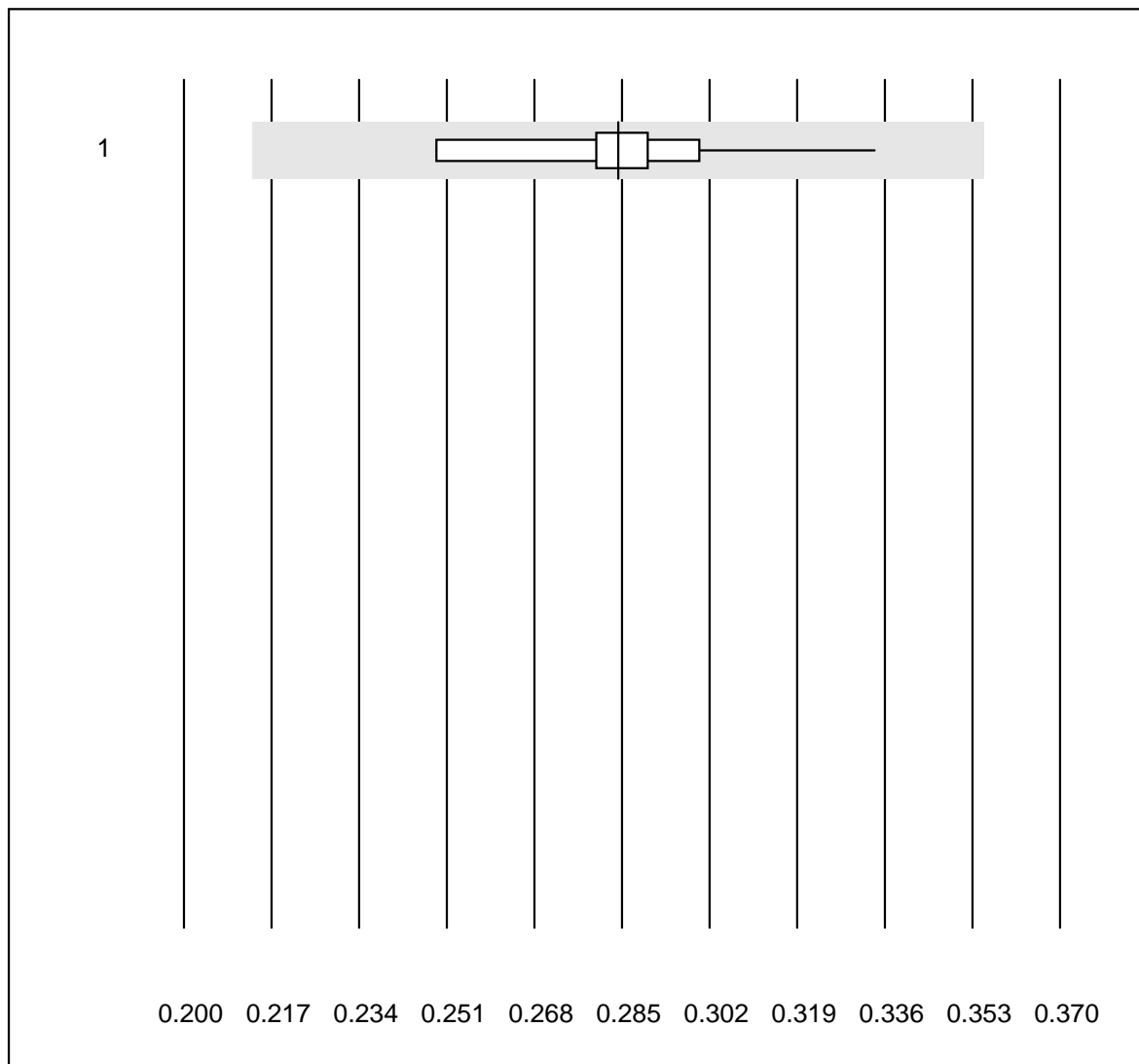


QUALAB tolerance : 25 %

Complement C3 (g/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Type
1	all Participants	11	100.0	0.0	0.0	1.41	3.6	e

Complement C4

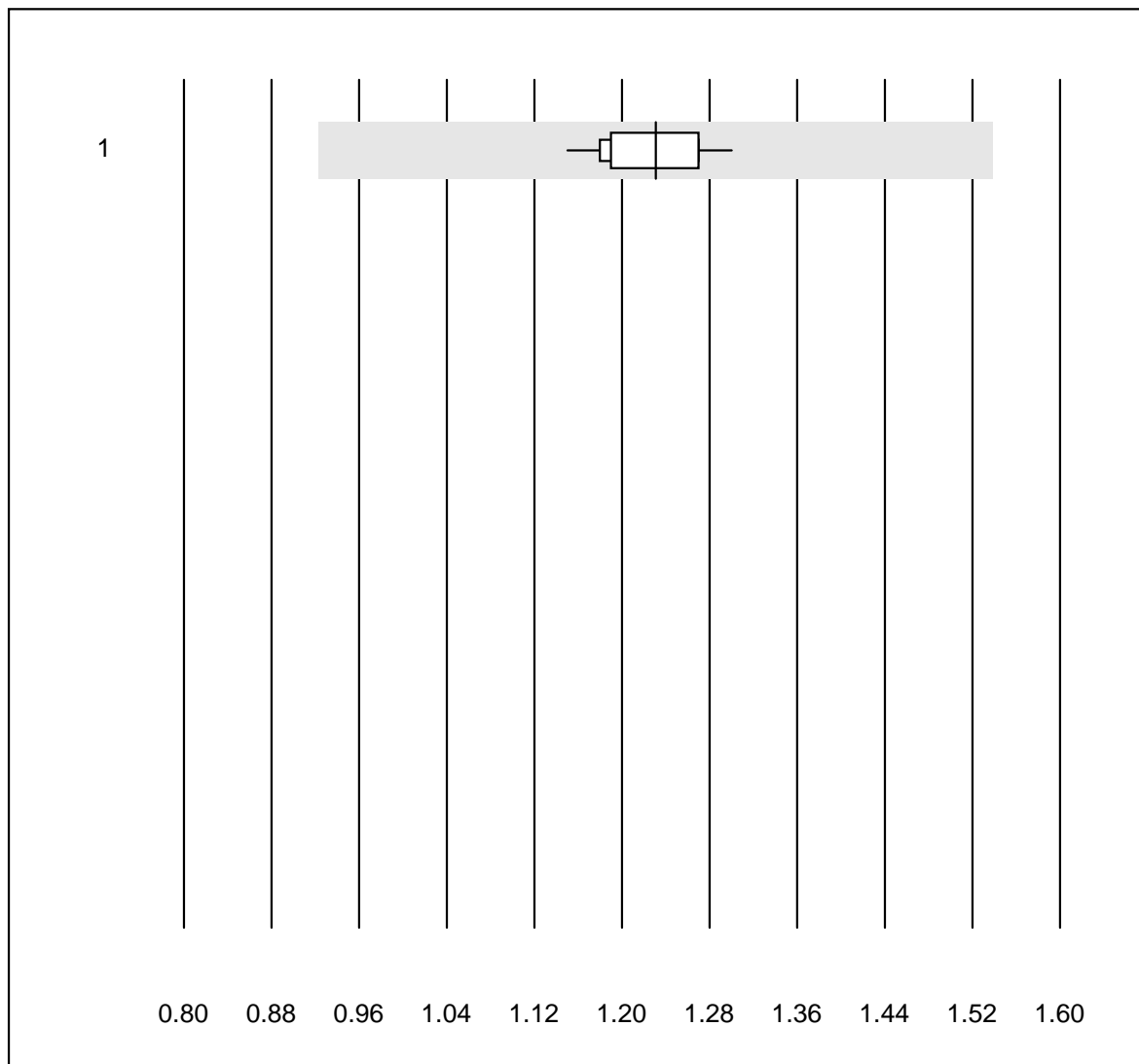


QUALAB tolerance : 25 %

Complement C4 (g/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	all Participants	10	100.0	0.0	0.0	0.28	8.5	e

Haptoglobin

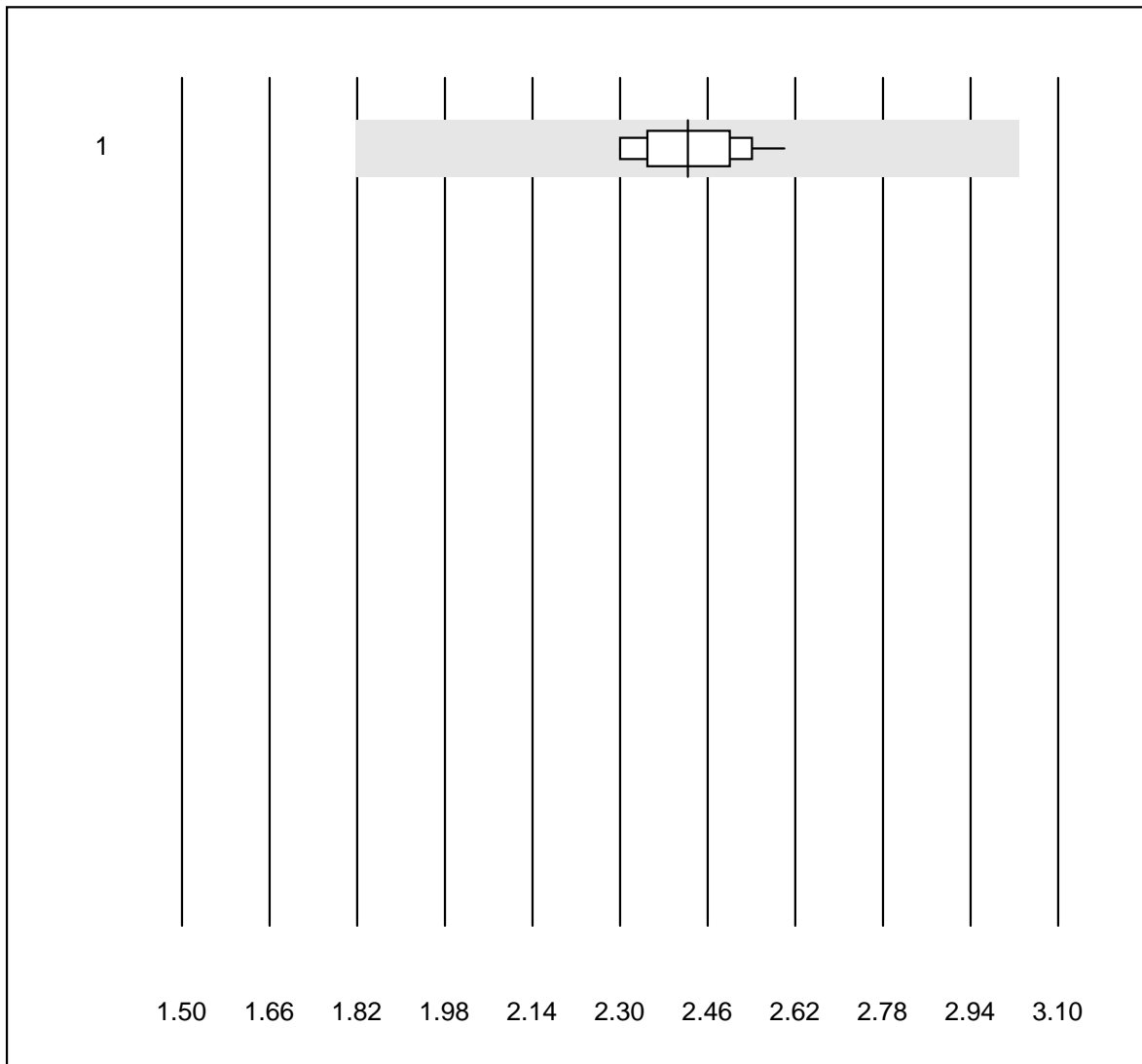


QUALAB tolerance : 25 %

Haptoglobin (g/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	all Participants	12	100.0	0.0	0.0	1.23	3.8	e

Transferrin

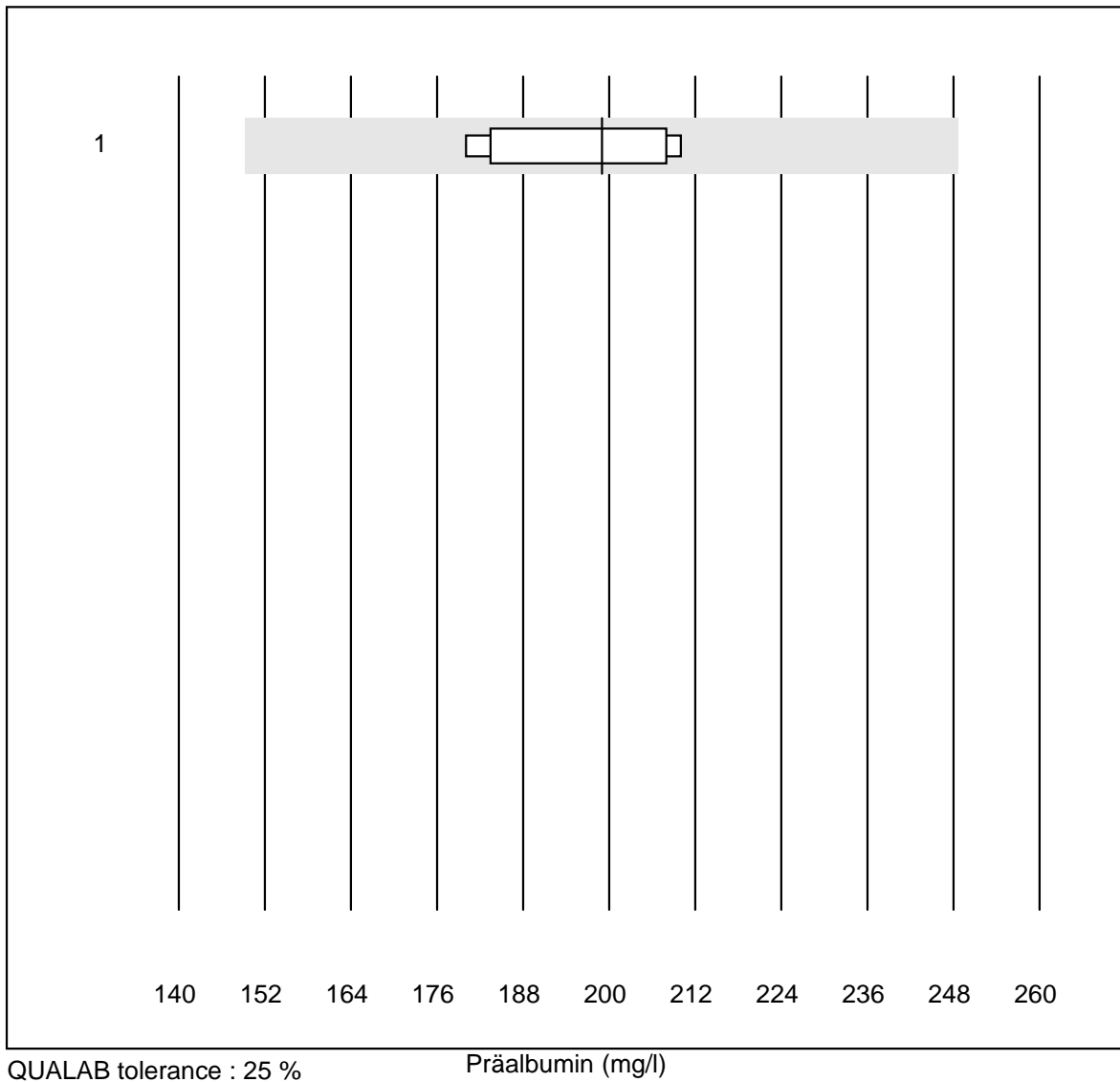


QUALAB tolerance : 25 %

Transferrin (g/l)

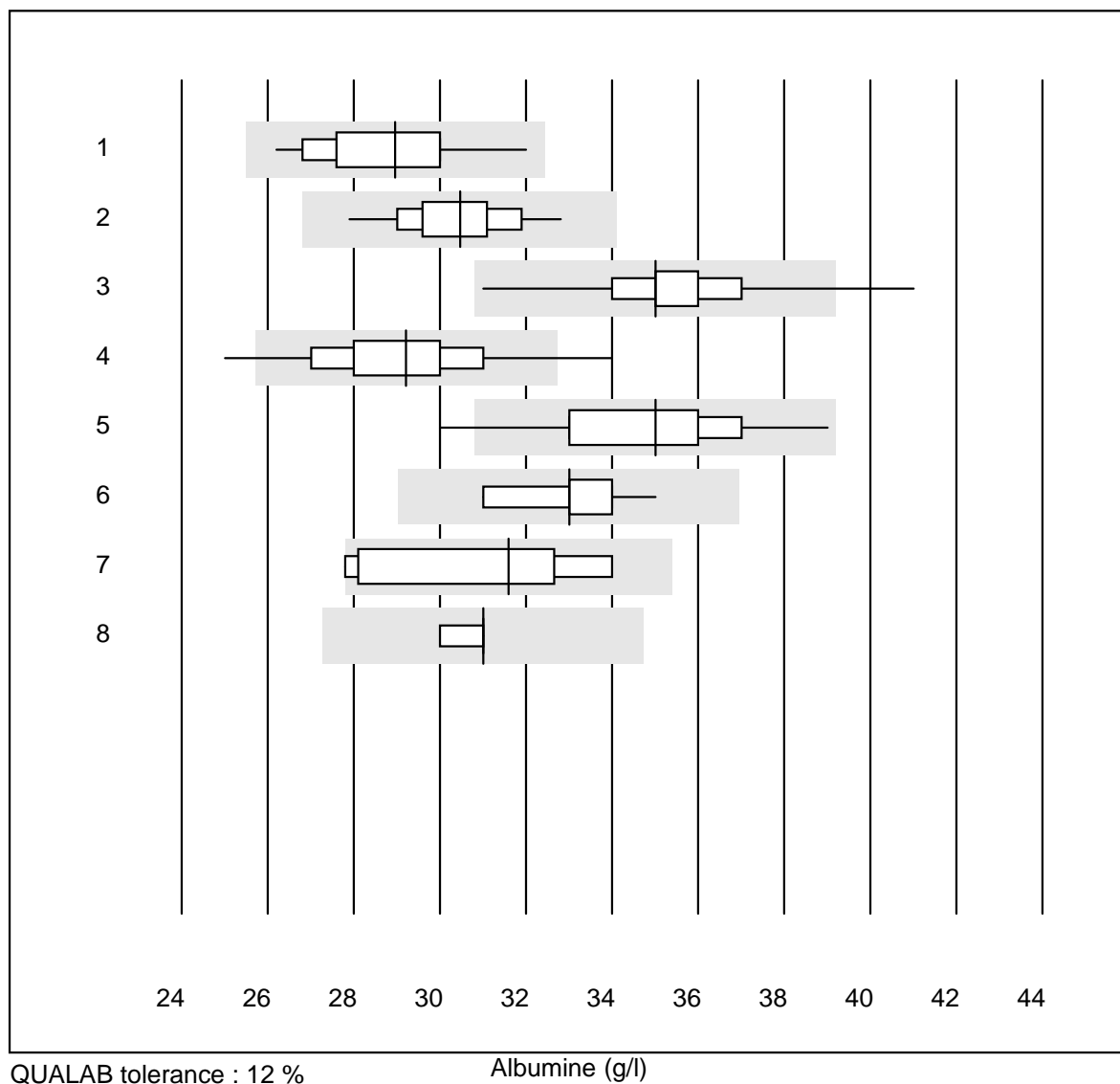
No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Type
1	all Participants	14	100.0	0.0	0.0	2.42	4.0	e

Präalbumin



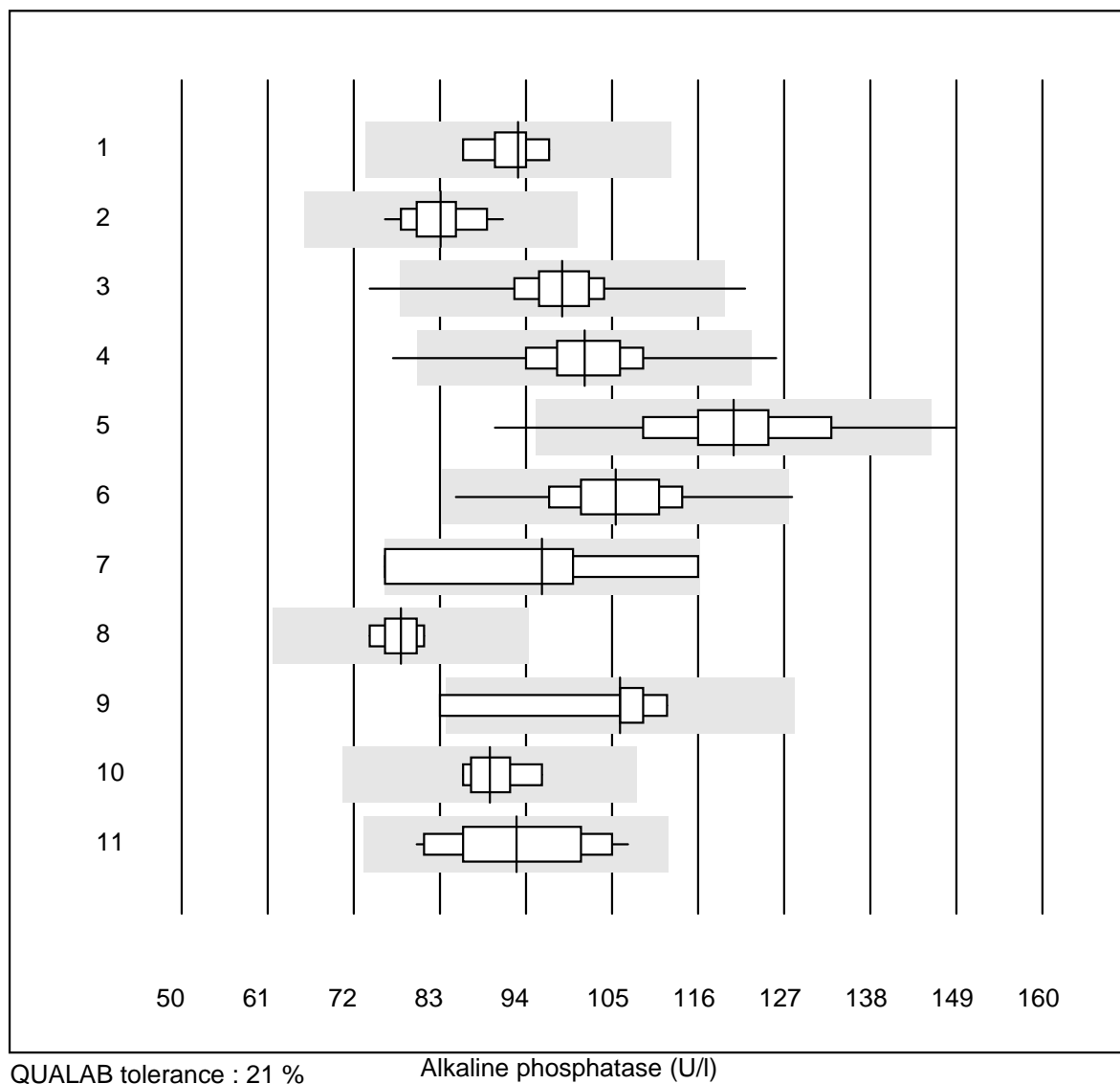
No.Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1 all Participants	8	100.0	0.0	0.0	199.0	6.3	e

Albumine



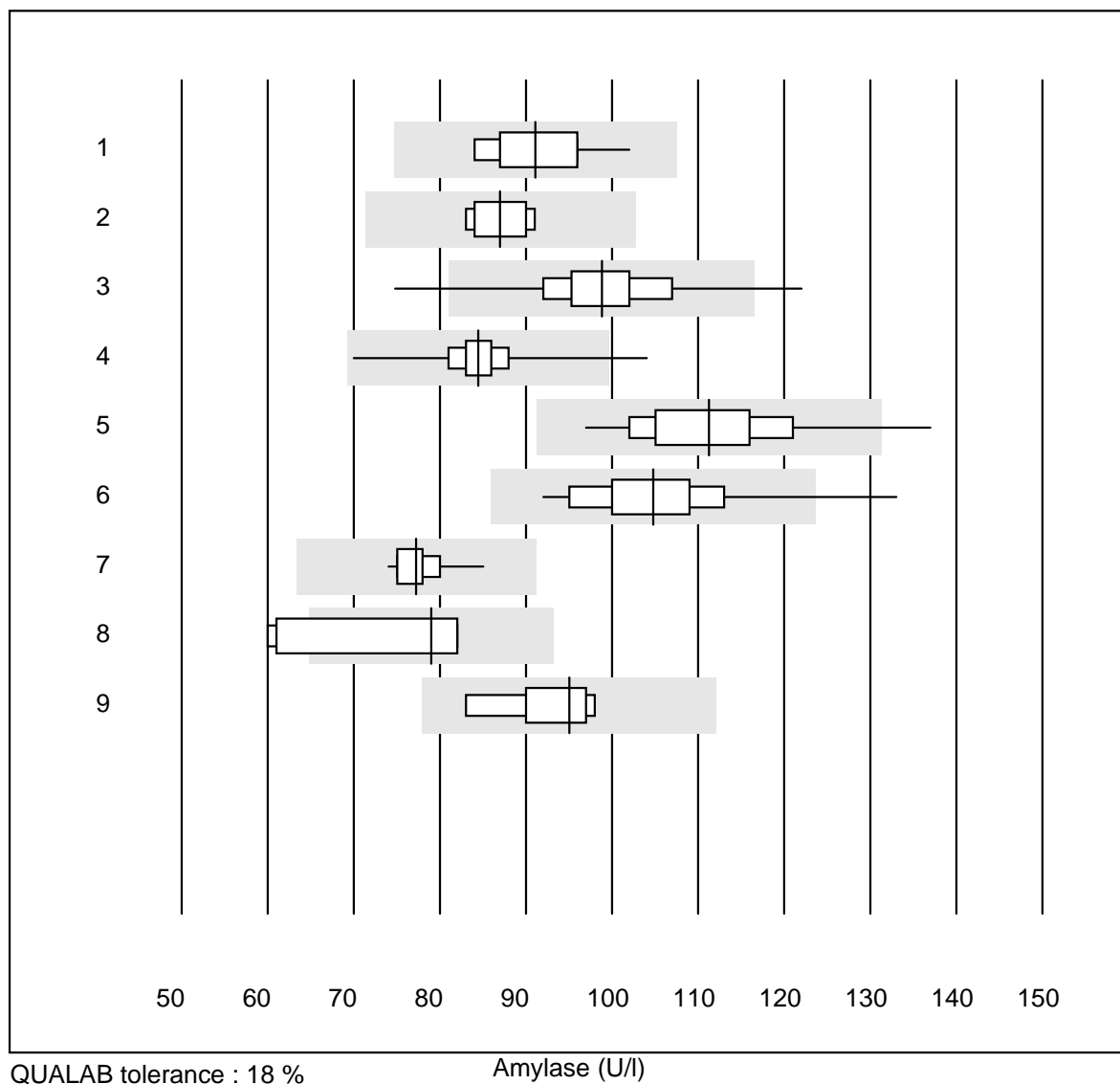
No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Standard chemistry	11	100.0	0.0	0.0	29	5.6	e*
2	Cobas	15	100.0	0.0	0.0	30	4.1	e
3	Fuji Dri-Chem	146	98.6	1.4	0.0	35	3.9	e
4	Spotchem/Ready	51	90.2	9.8	0.0	29	6.4	e
5	Spotchem D-Concept	57	96.4	1.8	1.8	35	5.0	e
6	Piccolo	17	100.0	0.0	0.0	33	3.6	e
7	Abx Mira	7	85.7	14.3	0.0	32	7.4	e*
8	Hitachi S40/M40	5	100.0	0.0	0.0	31	1.5	e

Alkaline phosphatase



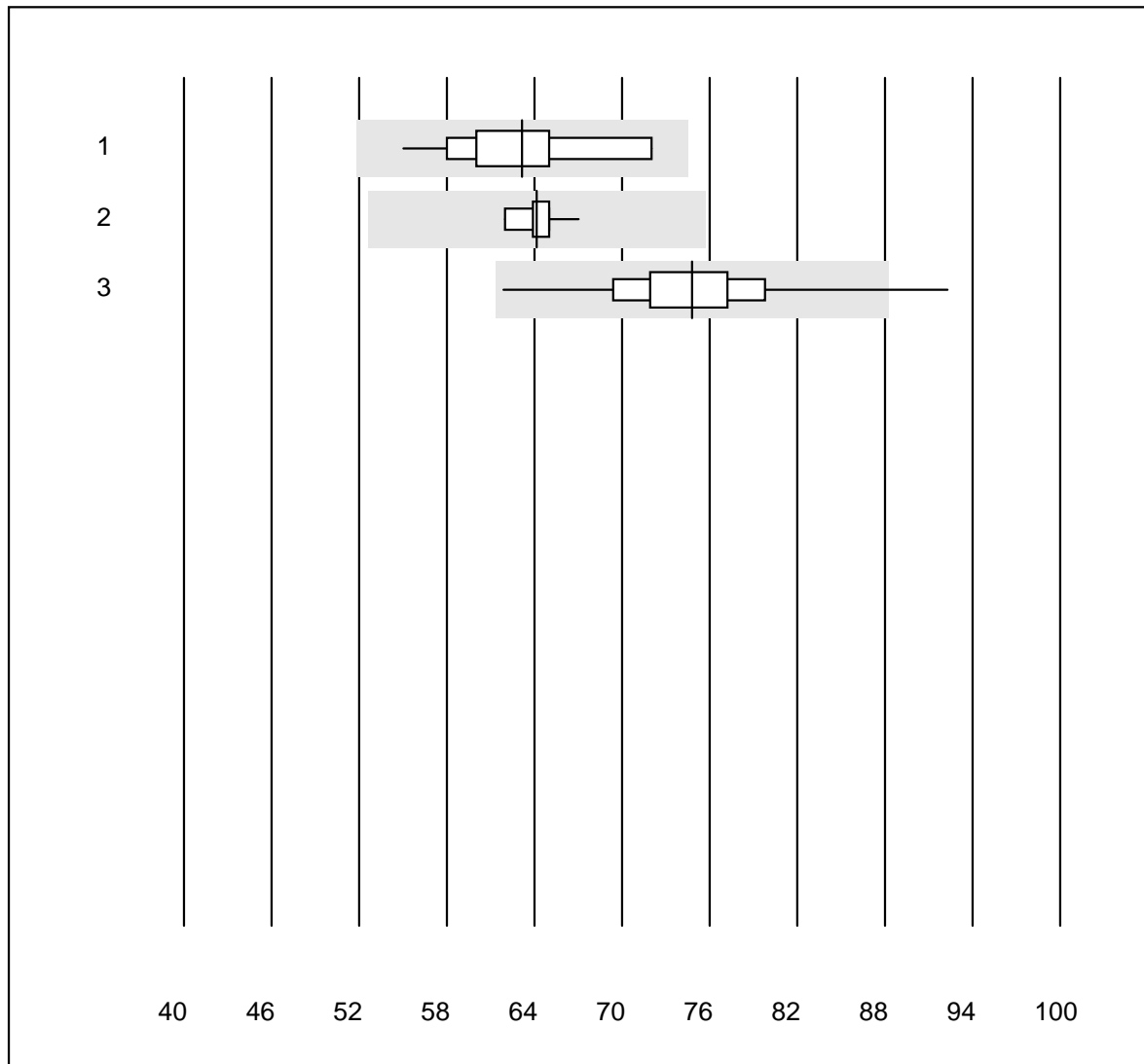
No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	IFCC/SGKC 37°C	6	100.0	0.0	0.0	93	4.1	e
2	Cobas	19	100.0	0.0	0.0	83	4.8	e
3	Reflotron	733	98.8	0.5	0.7	99	5.3	e
4	Fuji Dri-Chem	598	99.5	0.3	0.2	101	5.9	e
5	Spotchem/Ready	135	96.3	3.7	0.0	120	8.4	e
6	Spotchem D-Concept	97	98.0	1.0	1.0	105	6.8	e
7	Vitros/Ektachem	4	100.0	0.0	0.0	96	17.3	e*
8	Hitachi S40/M40	9	100.0	0.0	0.0	78	3.0	e
9	Olympus	5	80.0	20.0	0.0	106	11.2	e*
10	Piccolo	17	100.0	0.0	0.0	89	3.6	e
11	Abx Mira	20	95.0	0.0	5.0	93	9.4	e

Amylase



No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	IFCC EPS liquid 37°C	10	100.0	0.0	0.0	91	6.1	e
2	Cobas	7	100.0	0.0	0.0	87	3.6	e
3	Reflotron	194	98.0	1.5	0.5	99	6.5	e
4	Fuji Dri-Chem	453	99.8	0.2	0.0	84	3.6	e
5	Spotchem/Ready	86	93.0	3.5	3.5	111	7.3	e
6	Spotchem D-Concept	78	98.7	1.3	0.0	105	6.9	e
7	Piccolo	16	100.0	0.0	0.0	77	3.4	e
8	Abx Mira	7	71.4	28.6	0.0	79	13.3	e*
9	Hitachi S40/M40	6	100.0	0.0	0.0	95	6.2	e*

Pancreatic amylase

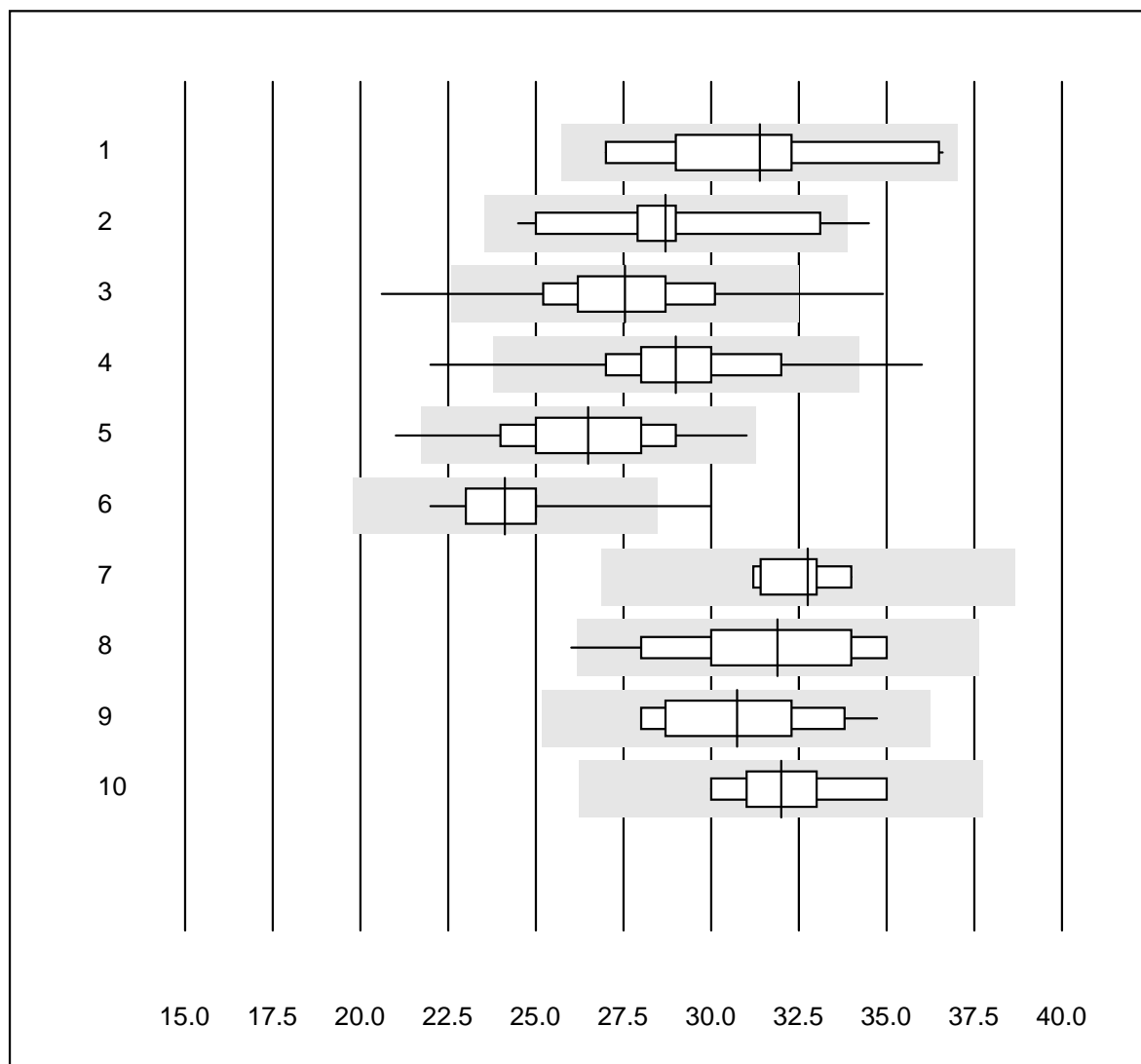


QUALAB tolerance : 18 %

Pancreatic amylase (U/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	IFCC EPS liquid 37°C	18	100.0	0.0	0.0	63	7.1	e
2	Cobas	13	100.0	0.0	0.0	64	2.0	e
3	Reflotron	461	97.6	0.4	2.0	75	5.8	e

Bilirubin

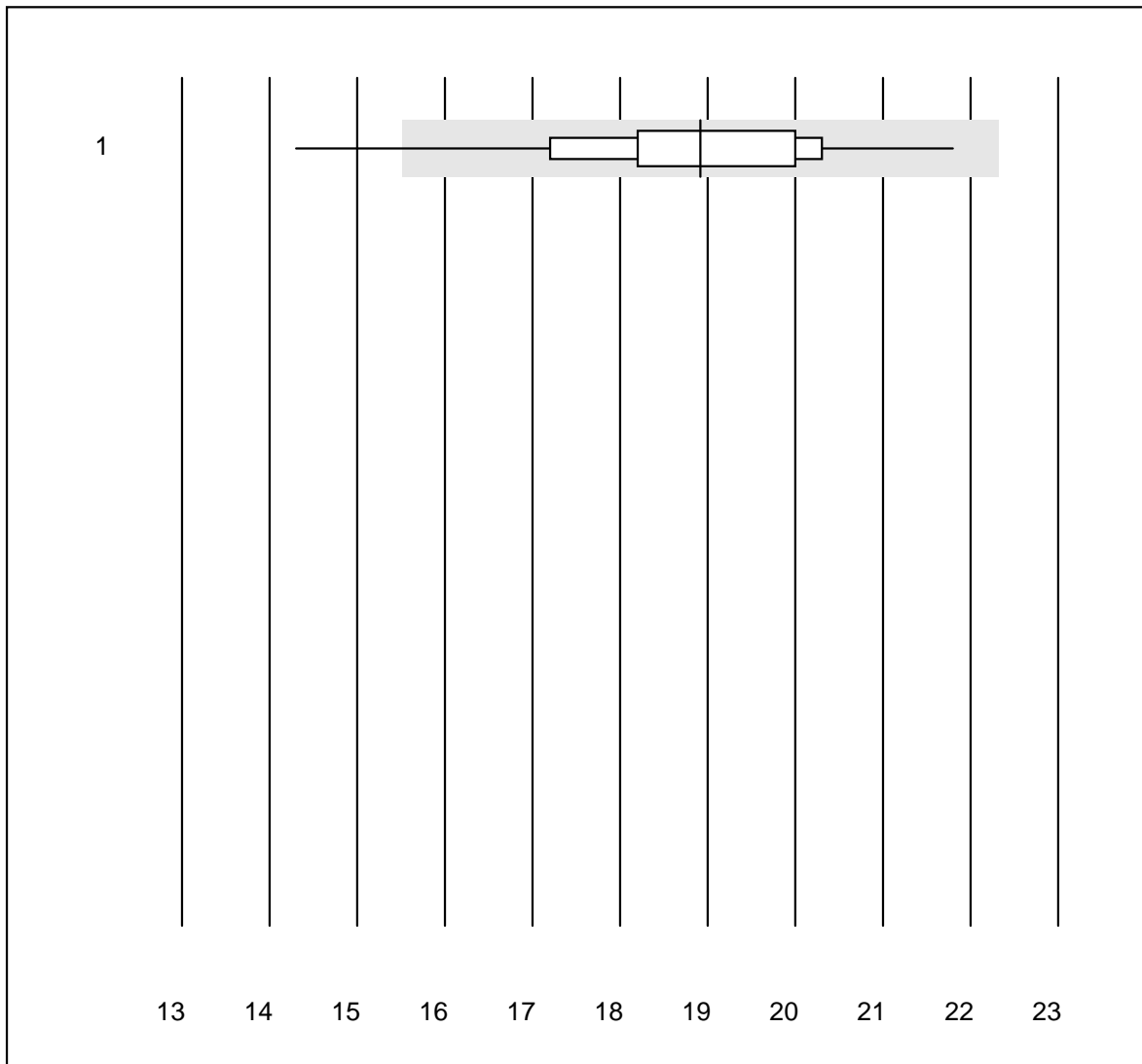


QUALAB tolerance : 18 %

Bilirubin (µmol/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Standard chemistry	10	100.0	0.0	0.0	31.4	10.0	e*
2	Cobas	19	94.7	5.3	0.0	28.7	7.9	e
3	Reflotron	538	94.5	3.5	2.0	27.5	7.4	e
4	Fuji Dri-Chem	443	96.9	1.1	2.0	29.0	6.8	e
5	Spotchem/Ready	104	98.1	1.9	0.0	26.5	8.1	e
6	Spotchem D-Concept	82	97.6	1.2	1.2	24.1	5.4	e
7	Beckman/Olympus	5	100.0	0.0	0.0	32.8	3.6	e
8	Piccolo	17	88.2	5.9	5.9	31.9	8.4	e
9	Abx Mira	18	100.0	0.0	0.0	30.7	7.5	e
10	Hitachi S40/M40	9	100.0	0.0	0.0	32.0	4.7	e

Bilirubin direct

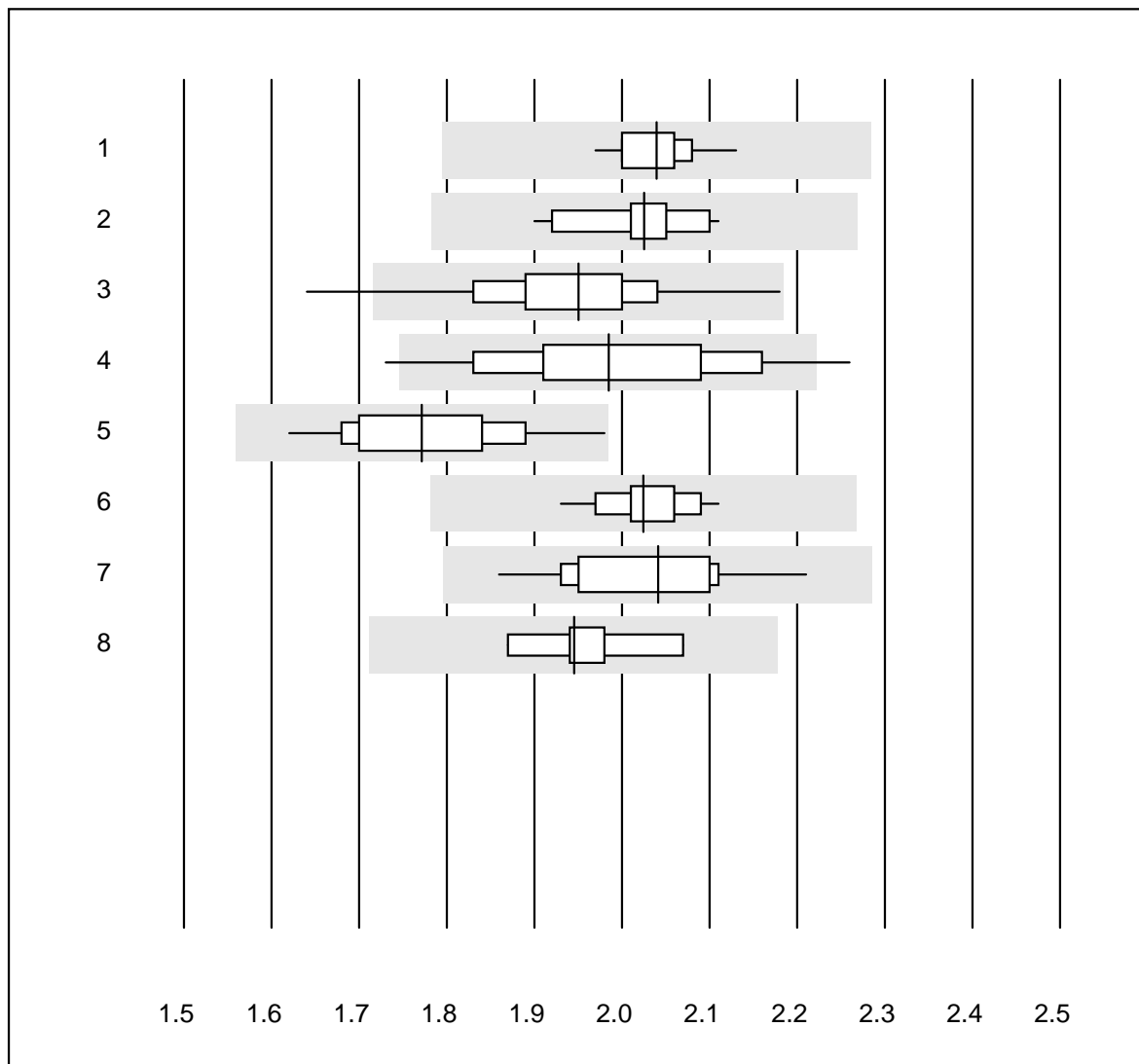


QUALAB tolerance : 18 %

Bilirubin direct (µmol/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Type
1	Fuji Dri-Chem	27	88.9	3.7	7.4	18.9	7.9	e

Calcium

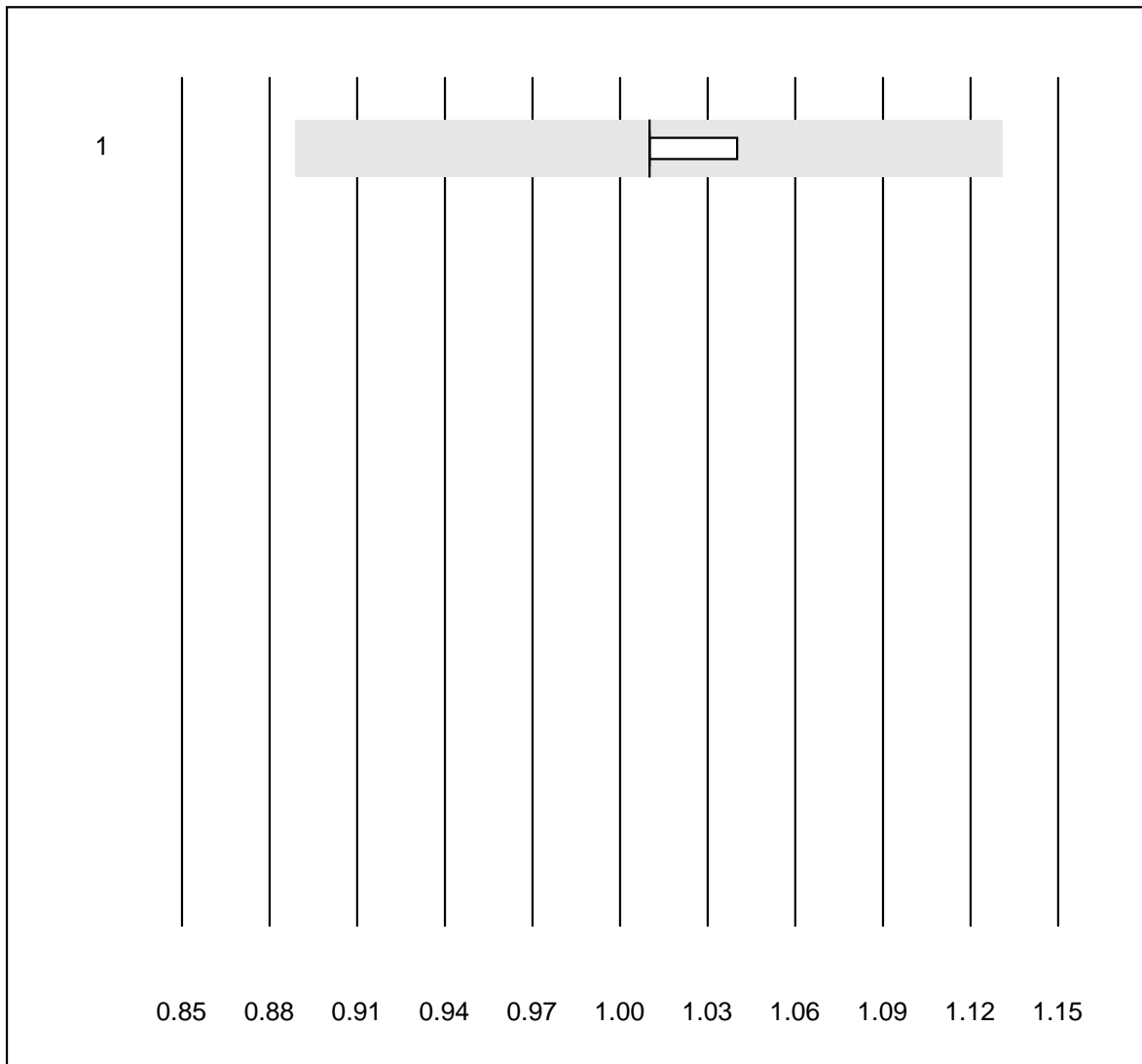


QUALAB tolerance : 12 %

Calcium (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Standard chemistry	14	100.0	0.0	0.0	2.04	2.0	e
2	Cobas	14	100.0	0.0	0.0	2.03	2.8	e
3	Fuji Dri-Chem	315	98.1	0.6	1.3	1.95	4.3	e
4	Spotchem/Ready	49	93.9	6.1	0.0	1.98	6.4	e
5	Spotchem D-Concept	51	94.1	0.0	5.9	1.77	5.0	e
6	Piccolo	18	100.0	0.0	0.0	2.02	2.1	e
7	Abx Mira	13	92.3	0.0	7.7	2.04	4.6	e
8	Hitachi S40/M40	6	83.3	0.0	16.7	1.95	3.7	e*

Calcium ISE

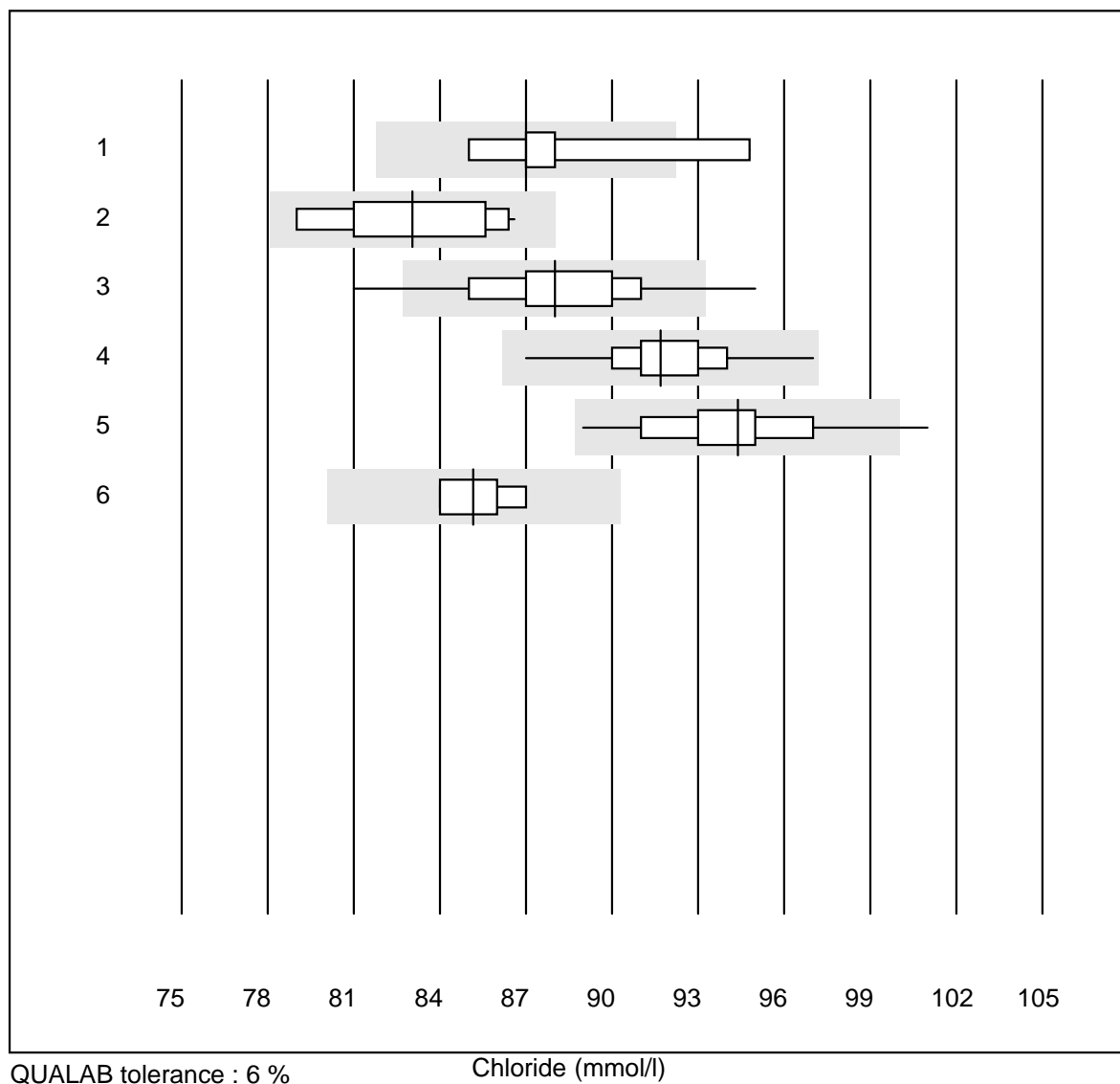


QUALAB tolerance : 12 %

Calcium ISE (mmol/l)

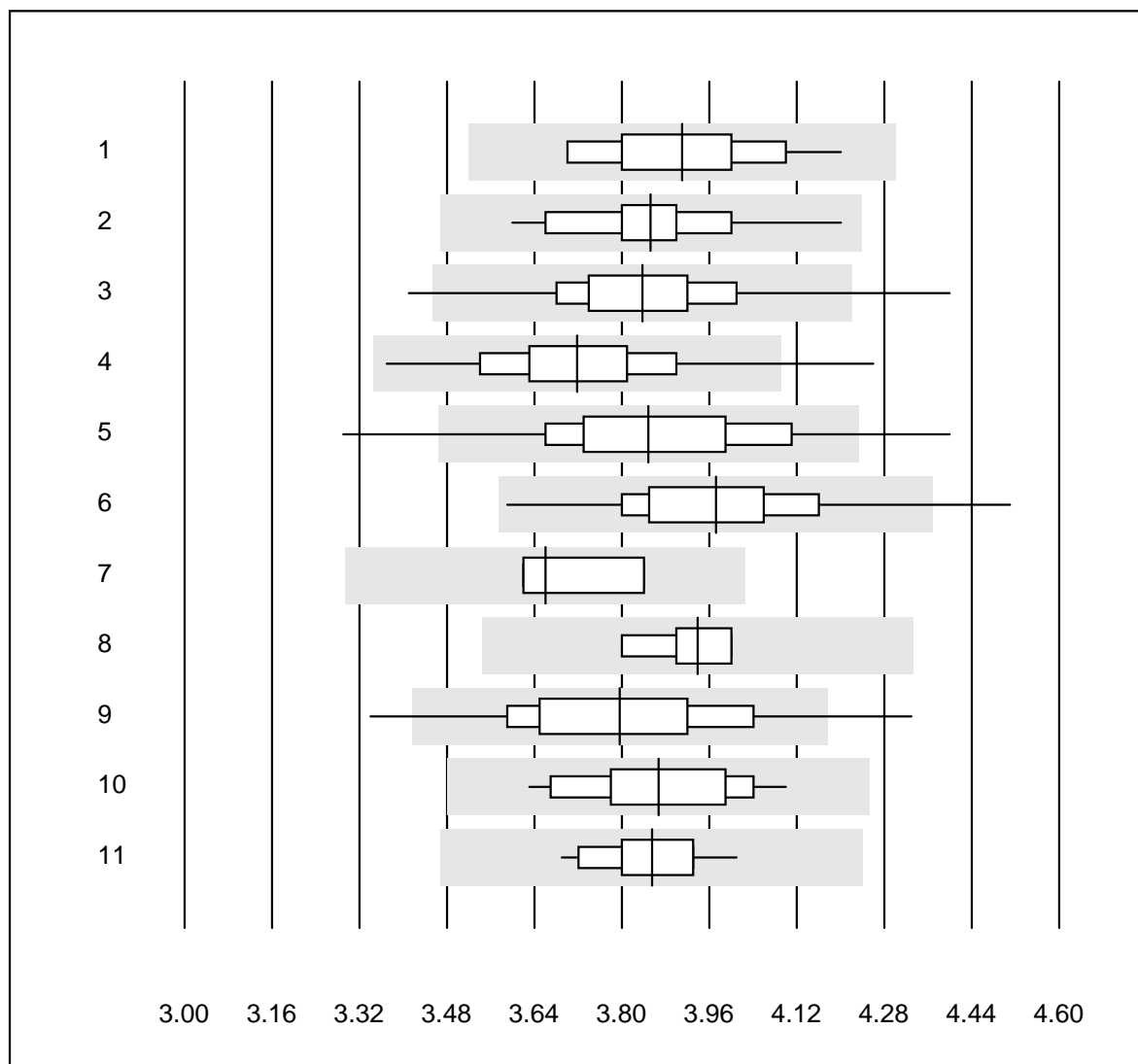
No.Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1 ISE	4	100.0	0.0	0.0	1.01	1.5	e

Chloride



No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	ISE	9	88.9	11.1	0.0	87	3.2	e*
2	Cobas	12	100.0	0.0	0.0	83	3.3	e*
3	Fuji Dri-Chem	519	96.3	2.9	0.8	88	2.8	e
4	Spotchem D-Concept	91	98.9	0.0	1.1	92	2.0	e
5	Spotchem EL-SE 1520	112	93.7	0.9	5.4	94	2.2	e
6	Piccolo	13	92.3	0.0	7.7	85	1.3	e

Cholesterol total

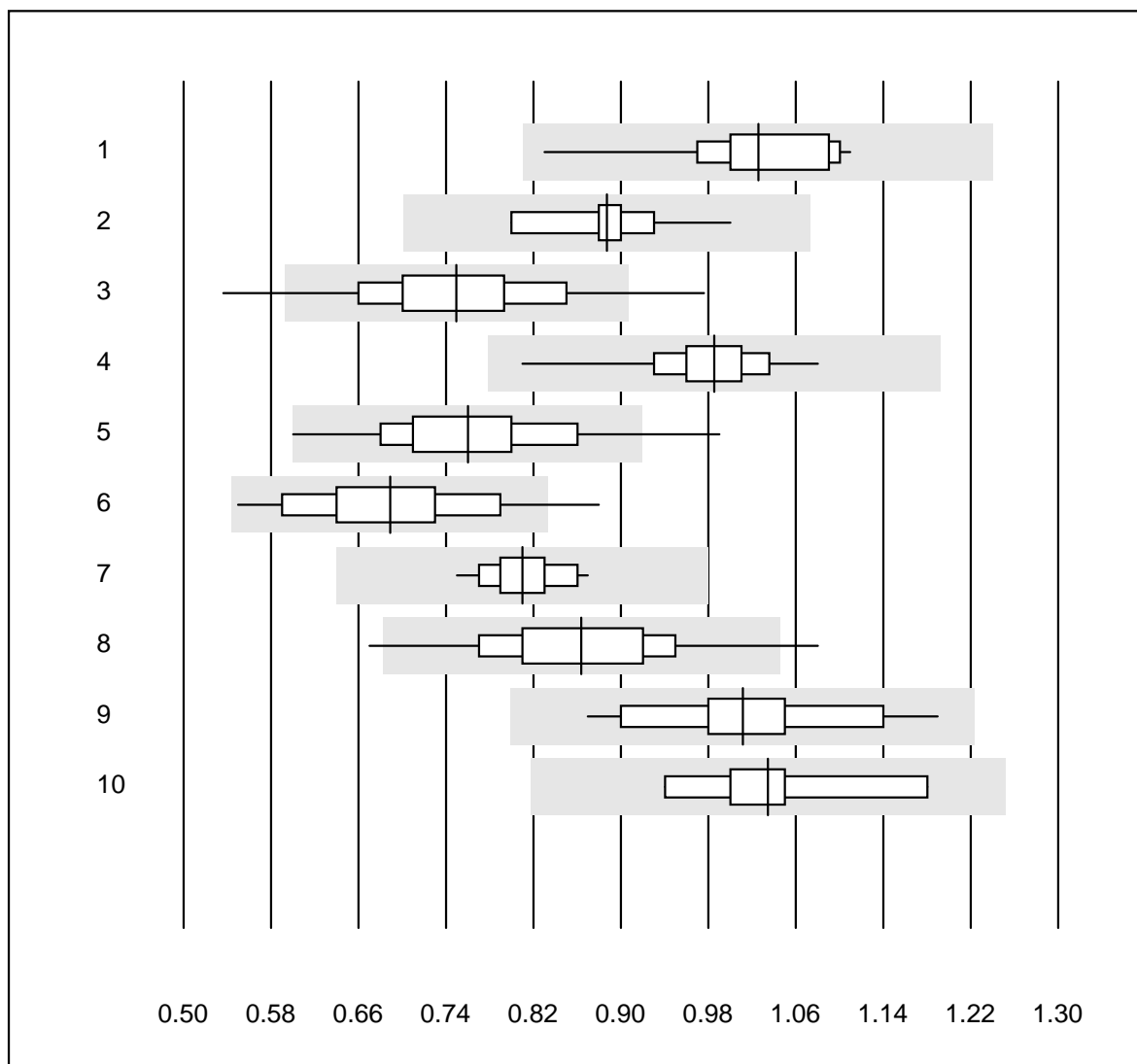


QUALAB tolerance : 10 %

Cholesterol total (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Standard chemistry	15	93.3	0.0	6.7	3.9	3.7	e
2	Cobas	19	100.0	0.0	0.0	3.9	3.3	e
3	Reflotron	904	98.8	0.8	0.4	3.8	3.6	e
4	Fuji Dri-Chem	626	99.0	0.8	0.2	3.7	3.6	e
5	Spotchem/Ready	161	91.9	6.2	1.9	3.8	5.2	e
6	Spotchem D-Concept	106	96.3	2.8	0.9	4.0	4.2	e
7	Vitros/Ektachem	4	75.0	0.0	25.0	3.7	3.0	e*
8	Piccolo	13	100.0	0.0	0.0	3.9	1.9	e
9	Cholestech LDX	193	95.9	3.6	0.5	3.8	4.8	e
10	Abx Mira	19	94.7	0.0	5.3	3.9	3.3	e
11	Hitachi S40/M40	11	100.0	0.0	0.0	3.9	2.4	e

Cholesterin HDL

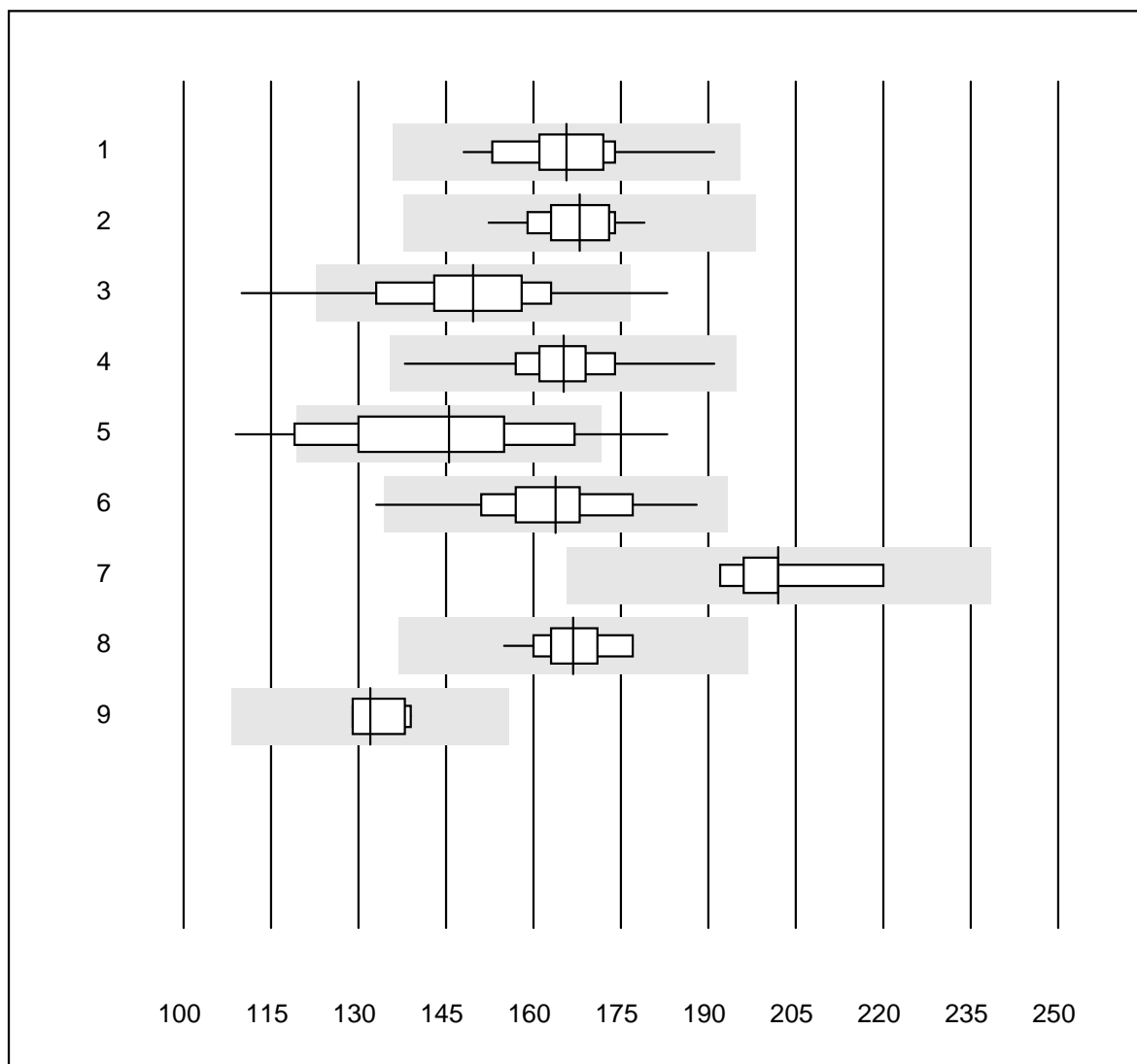


QUALAB tolerance : 21 %

Cholesterin HDL (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Wet chemistry, direc	14	100.0	0.0	0.0	1.03	7.2	e
2	Cobas	17	100.0	0.0	0.0	0.89	5.1	e
3	Reflotron	678	92.6	4.3	3.1	0.75	9.9	e
4	Fuji Dri-Chem	583	99.5	0.0	0.5	0.99	4.0	e
5	Spotchem/Ready	146	94.5	4.8	0.7	0.76	9.9	e
6	Spotchem D-Concept	103	94.2	2.9	2.9	0.69	10.2	e
7	Piccolo	13	100.0	0.0	0.0	0.81	4.5	e
8	Cholestech LDX	193	98.0	1.0	1.0	0.86	8.4	e
9	Abx Mira	17	100.0	0.0	0.0	1.01	8.3	e
10	Hitachi S40/M40	10	90.0	0.0	10.0	1.03	6.7	e

Creatine kinase

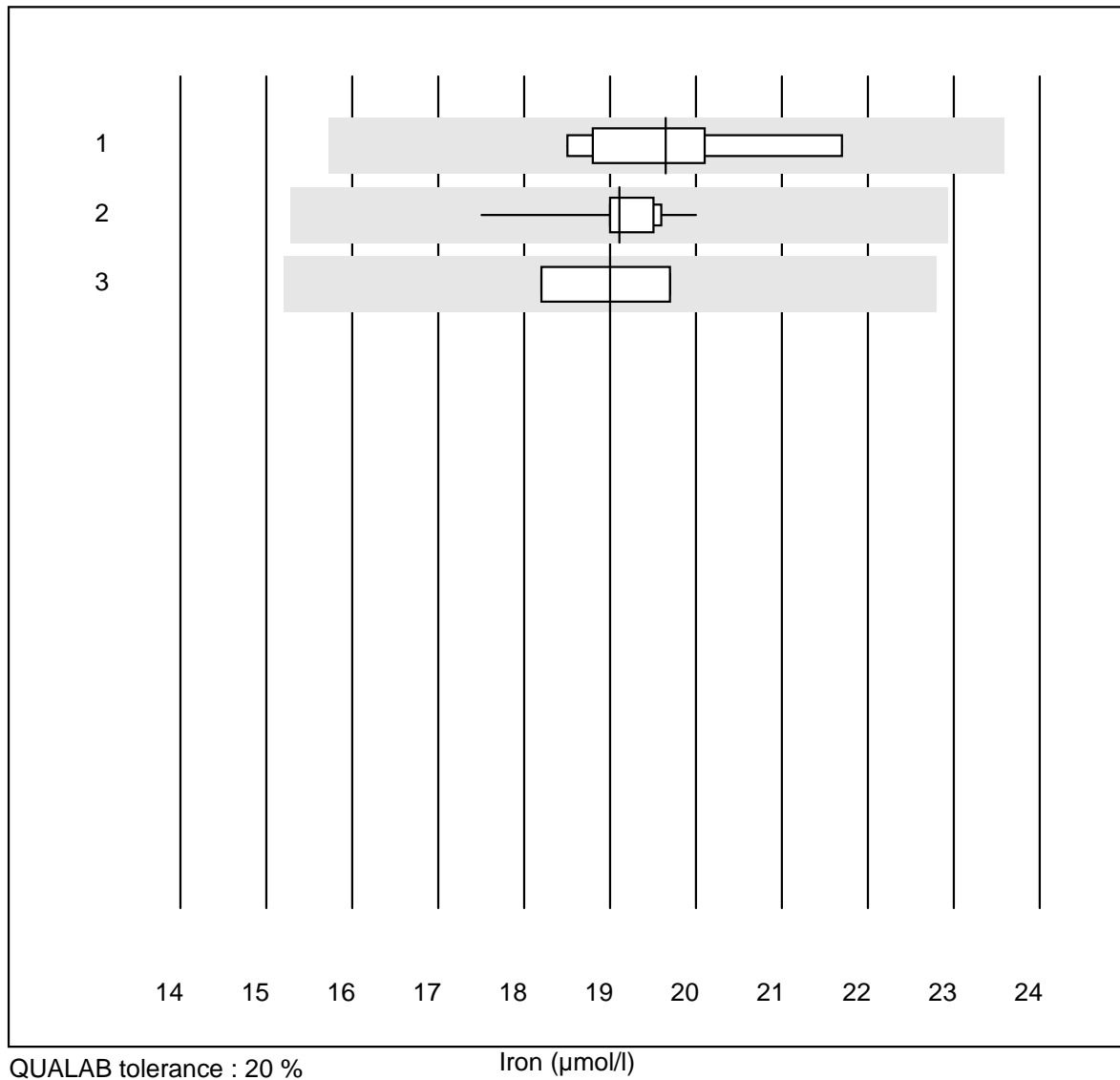


QUALAB tolerance : 18 %

Creatine kinase (U/l)

No.Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1 IFCC/SGKC 37°C	14	100.0	0.0	0.0	166	6.2	e
2 Cobas	16	100.0	0.0	0.0	168	4.1	e
3 Reflotron	461	93.7	3.5	2.8	150	8.1	e
4 Fuji Dri-Chem	381	98.2	0.0	1.8	165	4.4	e
5 Spotchem/Ready	62	79.1	16.1	4.8	145	11.9	e
6 Spotchem D-Concept	61	98.4	1.6	0.0	164	6.2	e
7 Piccolo	5	100.0	0.0	0.0	202	5.3	e*
8 Abx Mira	16	100.0	0.0	0.0	167	3.5	e
9 Hitachi S40/M40	5	80.0	0.0	20.0	132	3.6	e

Iron

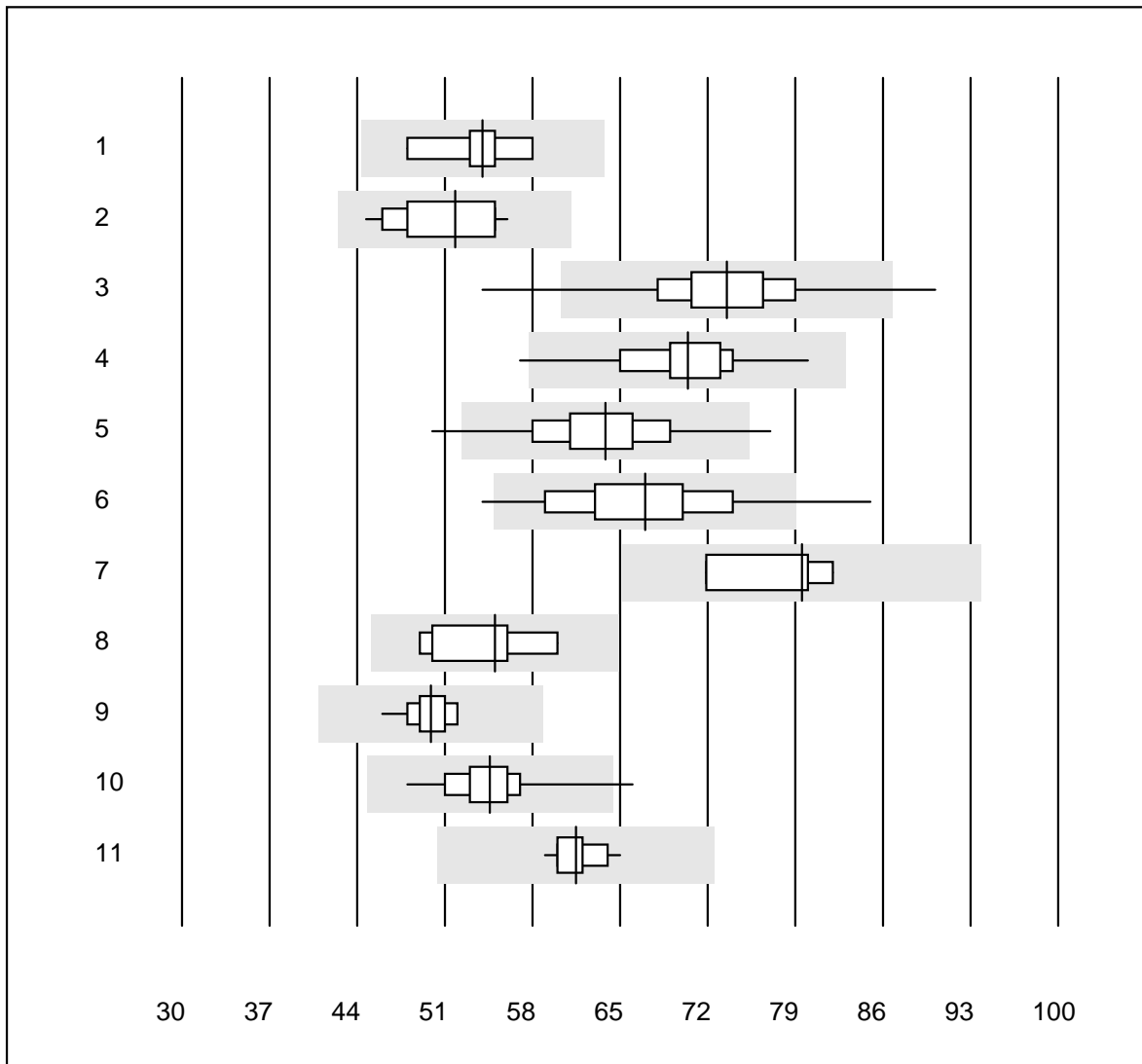


QUALAB tolerance : 20 %

Iron (µmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Standard chemistry	6	100.0	0.0	0.0	20	5.8	e
2	Cobas	11	100.0	0.0	0.0	19	3.3	e
3	Abx Mira	4	100.0	0.0	0.0	19	4.4	e

Gamma-glutamyltransferase

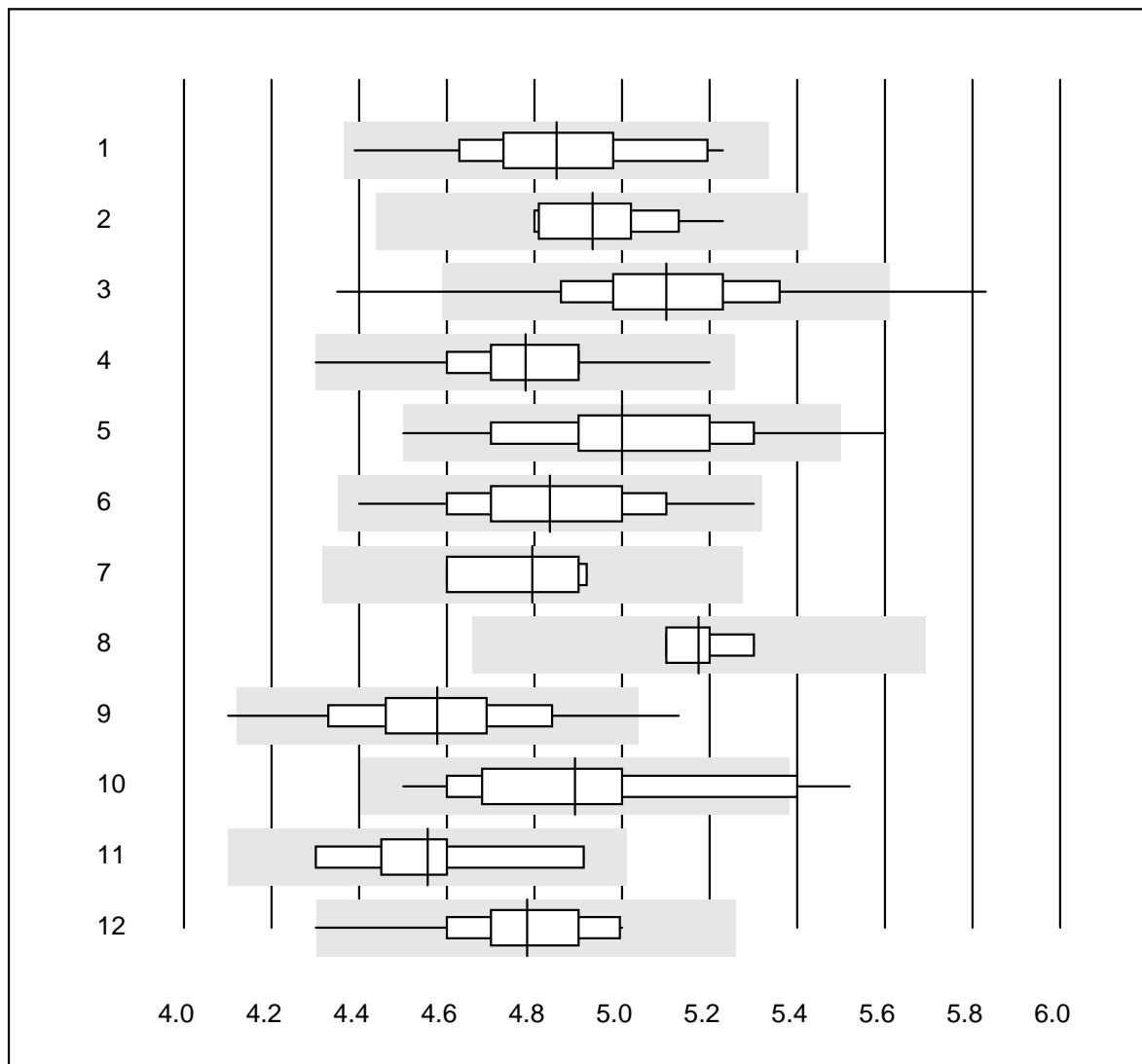


QUALAB tolerance : 18 %

Gamma-glutamyltransferase (U/l)

No.Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1 IFCC/SGKC 37'C	5	100.0	0.0	0.0	54	6.8	e*
2 Cobas	18	100.0	0.0	0.0	52	7.0	e
3 Reflotron	964	97.9	1.0	1.1	74	6.1	e
4 Fuji Dri-Chem	647	99.2	0.2	0.6	70	4.8	e
5 Spotchem/Ready	161	97.5	1.9	0.6	64	6.9	e
6 Spotchem D-Concept	111	91.9	1.8	6.3	67	8.5	e
7 Vitros/Ektachem	4	100.0	0.0	0.0	80	5.6	e*
8 DGKC 37'C	8	100.0	0.0	0.0	55	6.6	e*
9 Piccolo	17	100.0	0.0	0.0	50	3.5	e
10 Abx Mira	20	95.0	5.0	0.0	55	6.3	e
11 Hitachi S40/M40	12	100.0	0.0	0.0	61	2.9	e

Glucose

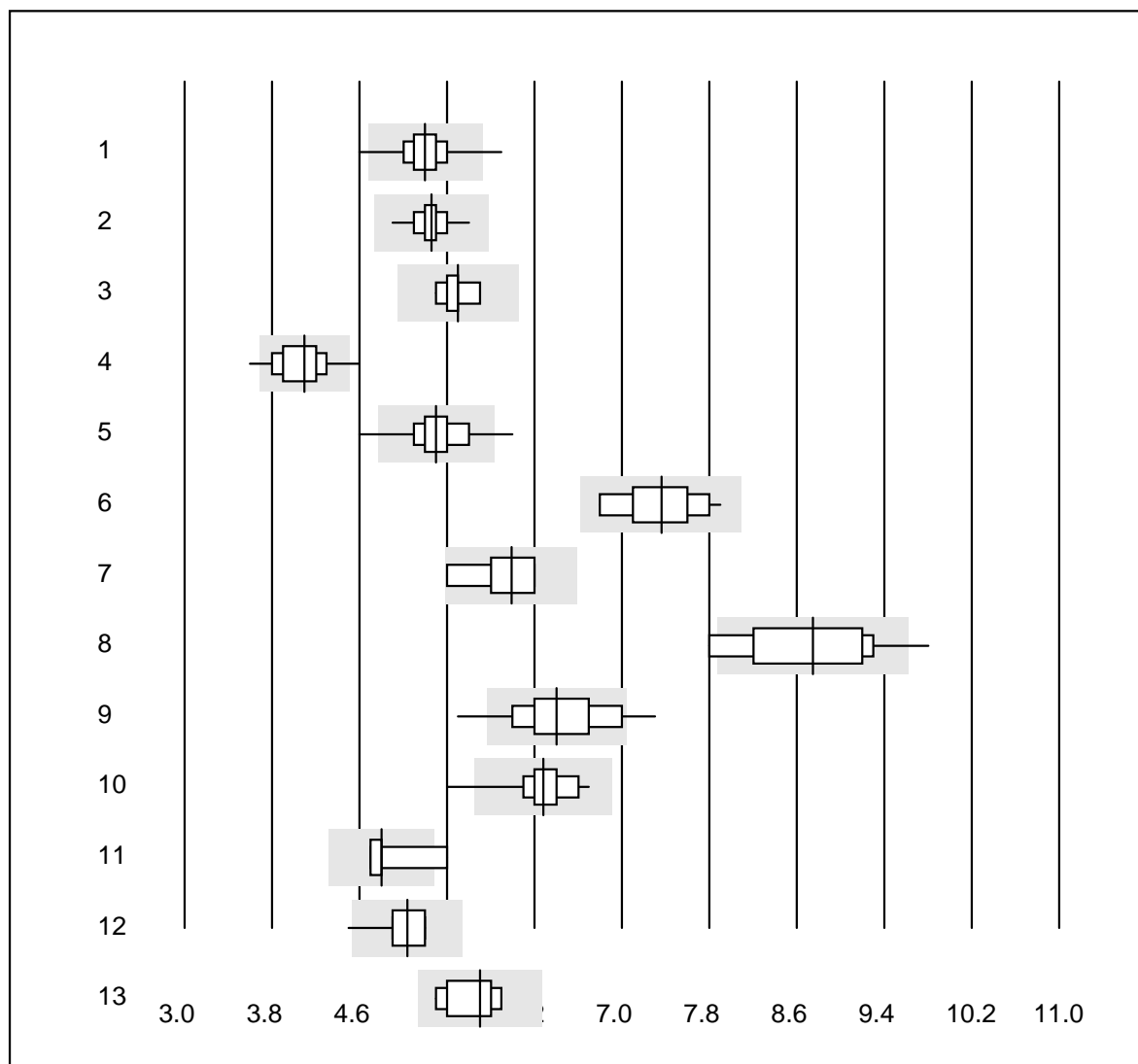


QUALAB tolerance : 10 %

Glucose (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Standard chemistry	27	100.0	0.0	0.0	4.9	4.4	e
2	Cobas	19	100.0	0.0	0.0	4.9	2.7	e
3	Reflotron	979	96.9	1.9	1.2	5.1	4.0	e
4	Fuji Dri-Chem	609	99.6	0.2	0.2	4.8	2.5	e
5	Spotchem/Ready	144	91.0	6.9	2.1	5.0	4.8	e
6	Spotchem D-Concept	106	99.1	0.0	0.9	4.8	3.8	e
7	Vitros/Ektachem	4	100.0	0.0	0.0	4.8	3.3	e*
8	Piccolo	19	100.0	0.0	0.0	5.2	1.5	e
9	Cholestech LDX	154	96.8	2.6	0.6	4.6	4.2	e
10	Abx Mira	19	79.0	10.5	10.5	4.9	5.8	e*
11	Lange	7	85.7	0.0	14.3	4.6	4.4	e*
12	Hitachi S40/M40	12	91.7	8.3	0.0	4.8	4.1	e

Glucose

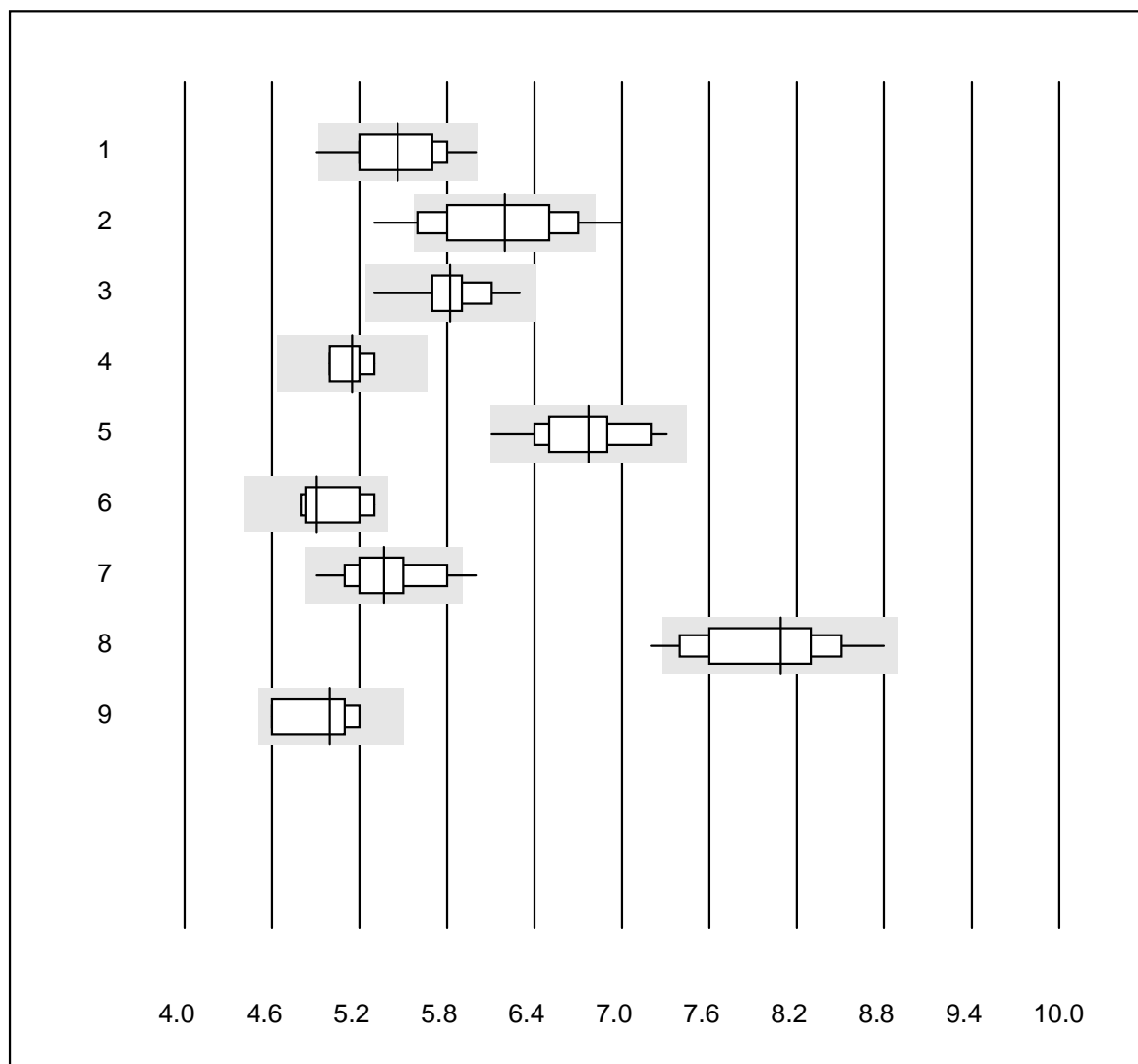


QUALAB tolerance : 10 %

Glucose (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Accu-Chek Aviva	410	98.1	0.7	1.2	5.2	3.3	e
2	Accu-Chek Inform 2	170	99.4	0.0	0.6	5.3	2.7	e
3	Accu-Chek Mobile	5	100.0	0.0	0.0	5.5	2.7	e*
4	Bayer Contour 2 (5s)	152	53.3	3.3	43.4	4.1	5.5	e
5	Bayer Contour XT/NEX	892	97.7	1.6	0.7	5.3	3.9	e
6	Bayer Breeze 2	20	100.0	0.0	0.0	7.4	4.4	e
7	Glucocard	10	90.0	0.0	10.0	6.0	4.6	e*
8	Omnitest	12	66.6	16.7	16.7	8.8	7.3	e*
9	Hemocue (Plasma)	60	91.6	6.7	1.7	6.4	5.6	e
10	Hemocue RT	20	95.0	5.0	0.0	6.3	4.2	e
11	Freestyle precision/	4	75.0	25.0	0.0	4.8	6.5	e*
12	Freestyle Freedom li	11	90.9	9.1	0.0	5.0	4.2	e*
13	Sanofi BG Star	7	100.0	0.0	0.0	5.7	4.1	e*

Glucose B

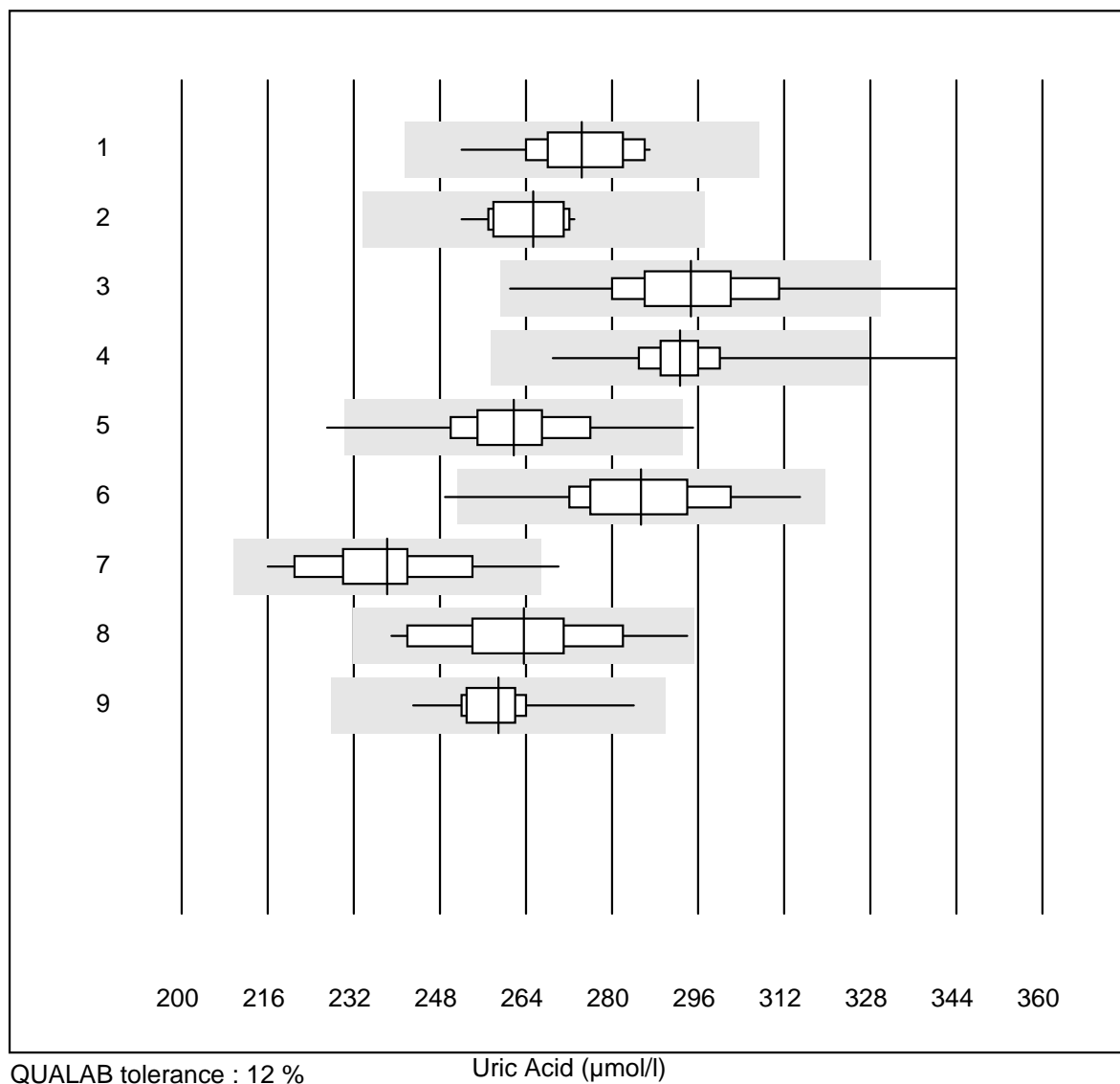


QUALAB tolerance : 10 %

Glucose B (mmol/l)

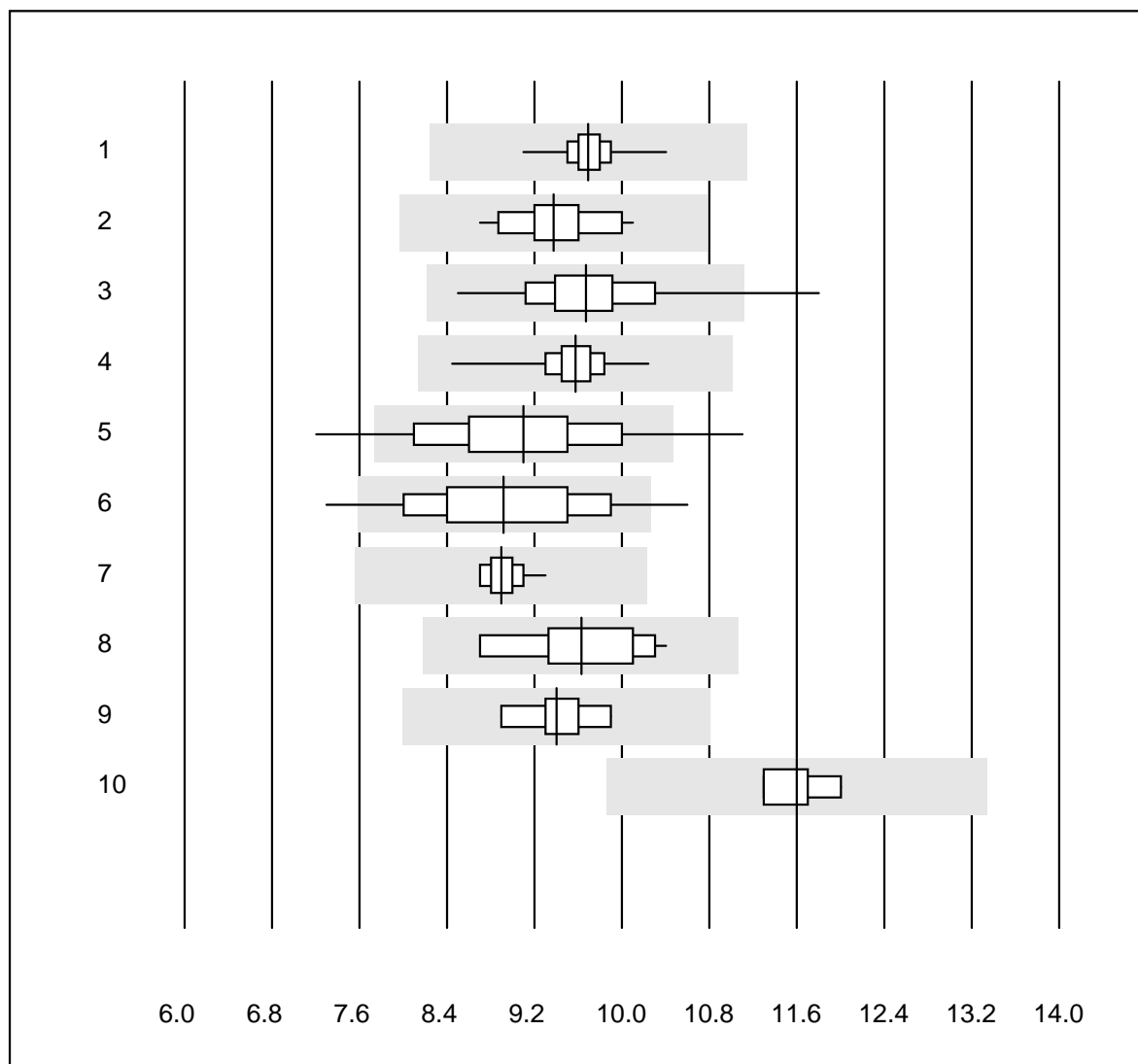
No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Bayer Elite	12	91.7	8.3	0.0	5.5	5.6	e*
2	Hemocue	73	84.9	11.0	4.1	6.2	6.8	e
3	mylife Pura	53	100.0	0.0	0.0	5.8	3.3	e
4	AccuChek Sensor	7	100.0	0.0	0.0	5.2	2.4	e
5	OneTouch Ultra	30	96.7	0.0	3.3	6.8	4.5	e
6	AccuChek Compact	6	100.0	0.0	0.0	4.9	4.2	e*
7	Bayer Contour (15s)	99	96.0	1.0	3.0	5.4	4.8	e
8	Healthpro	16	93.7	6.3	0.0	8.1	5.5	e*
9	MyLife UNIO	4	100.0	0.0	0.0	5.0	5.3	e*

Uric Acid



No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Standard chemistry	16	100.0	0.0	0.0	274	3.4	e
2	Cobas	15	100.0	0.0	0.0	265	2.5	e
3	Reflotron	852	97.5	0.7	1.8	295	4.3	e
4	Fuji Dri-Chem	607	99.3	0.2	0.5	293	2.1	e
5	Spotchem/Ready	134	97.1	2.2	0.7	262	4.5	e
6	Spotchem D-Concept	100	98.0	1.0	1.0	285	4.2	e
7	Piccolo	14	92.9	7.1	0.0	238	5.6	e*
8	Abx Mira	17	100.0	0.0	0.0	264	5.5	e
9	Hitachi S40/M40	12	100.0	0.0	0.0	259	3.8	e

Urea

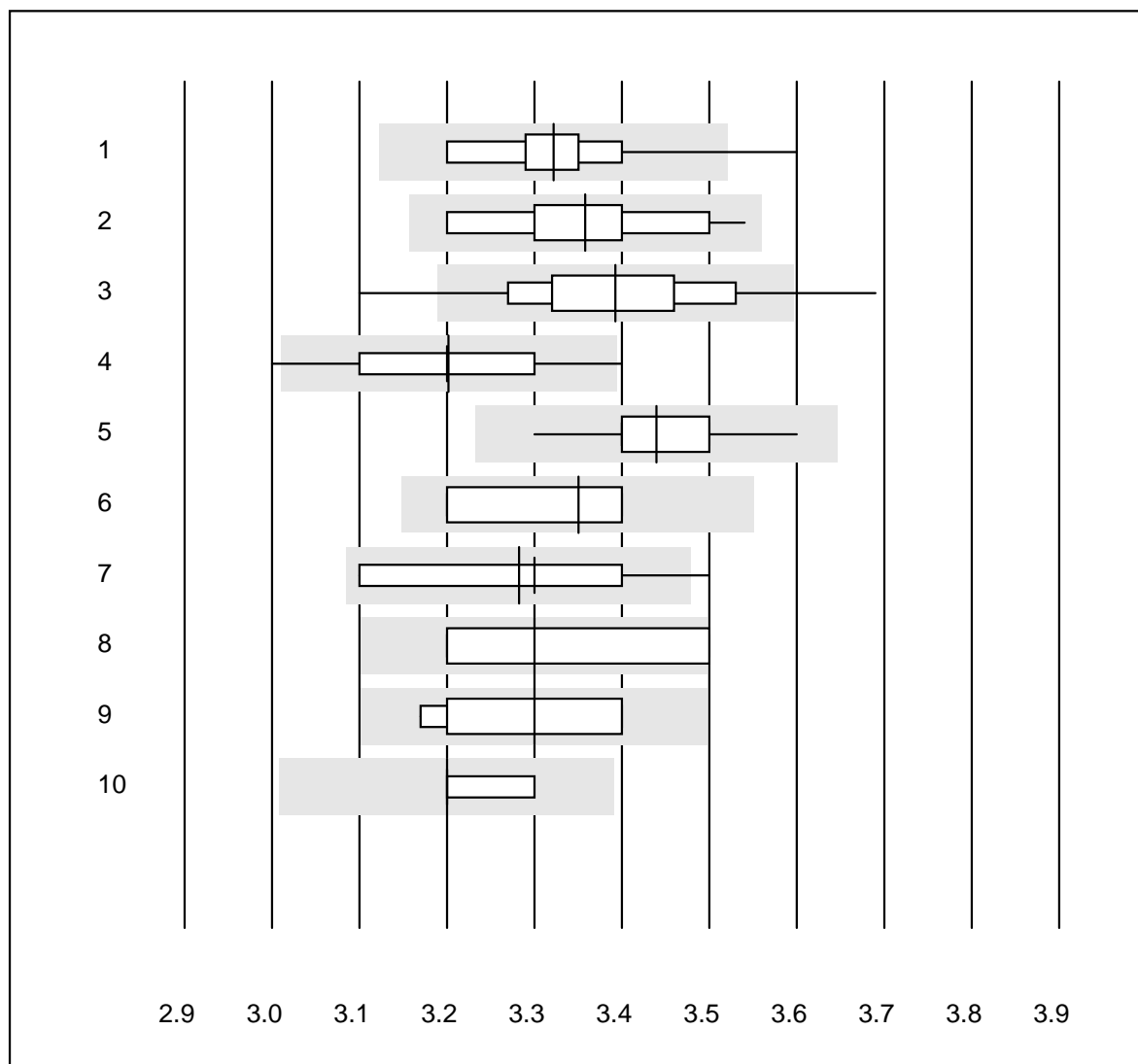


QUALAB tolerance : 15 %

Urea (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Standard chemistry	13	100.0	0.0	0.0	9.7	3.1	e
2	Cobas	18	100.0	0.0	0.0	9.4	3.8	e
3	Reflotron	371	96.7	1.1	2.2	9.7	4.9	e
4	Fuji Dri-Chem	382	99.7	0.0	0.3	9.6	2.3	e
5	Spotchem/Ready	93	89.3	7.5	3.2	9.1	8.2	e
6	Spotchem D-Concept	69	91.4	7.2	1.4	8.9	8.1	e
7	Piccolo	19	100.0	0.0	0.0	8.9	1.7	e
8	Abx Mira	10	100.0	0.0	0.0	9.6	5.8	e*
9	Hitachi S40/M40	9	100.0	0.0	0.0	9.4	3.5	e
10	iStat Chem8	4	100.0	0.0	0.0	11.6	2.6	e

Potassium

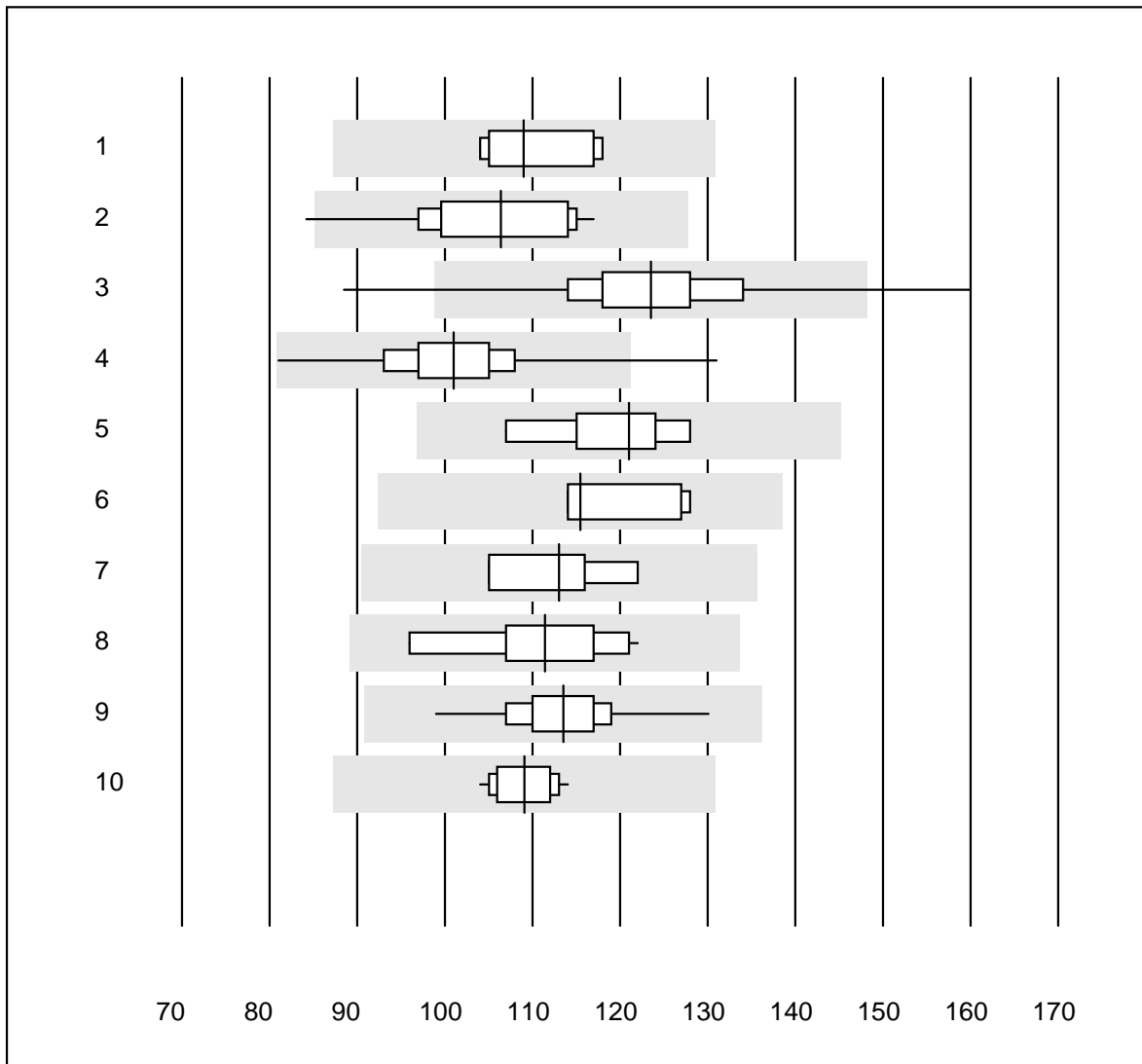


QUALAB tolerance : 6 %

Potassium (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	ISE	20	95.0	5.0	0.0	3.32	2.9	e
2	Cobas	19	100.0	0.0	0.0	3.36	2.7	e
3	Reflotron	887	91.2	5.6	3.2	3.39	3.0	e
4	Fuji Dri-Chem	646	94.1	3.6	2.3	3.20	2.1	e
5	Spotchem D-Concept	103	98.1	0.0	1.9	3.44	1.8	e
6	Vitros/Ektachem	4	100.0	0.0	0.0	3.35	2.9	e*
7	Spotchem EL-SE 1520	118	96.7	2.5	0.8	3.28	2.6	e
8	Piccolo	13	38.4	23.1	38.5	3.30	4.5	e*
9	Abx Mira	7	100.0	0.0	0.0	3.30	2.9	e*
10	iStat Chem8	4	100.0	0.0	0.0	3.20	1.6	e*

Creatinine

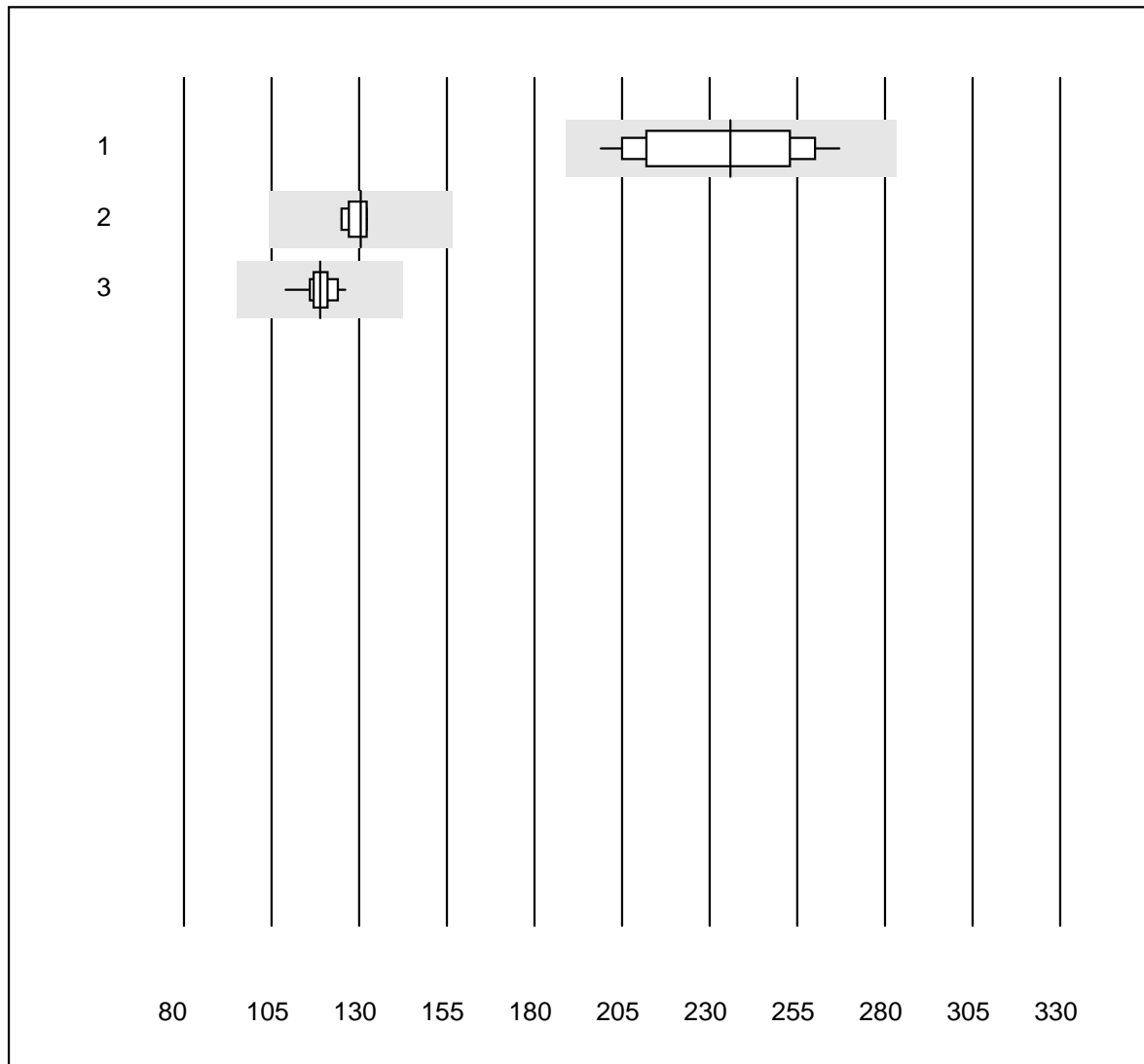


QUALAB tolerance : 20 %

Creatinine (µmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Standard chemistry	7	100.0	0.0	0.0	109	4.9	e
2	Cobas	20	95.0	5.0	0.0	106	7.7	e
3	Reflotron	1056	97.2	1.9	0.9	124	7.0	e
4	Fuji Dri-Chem	676	98.1	0.7	1.2	101	6.2	e
5	Vitros/Ektachem	5	100.0	0.0	0.0	121	6.9	e*
6	Jaffé	6	100.0	0.0	0.0	116	5.6	e
7	Enzymatic	6	100.0	0.0	0.0	113	5.9	e*
8	Piccolo	19	100.0	0.0	0.0	111	6.7	e
9	Abx Mira	21	100.0	0.0	0.0	114	5.6	e
10	Hitachi S40/M40	11	100.0	0.0	0.0	109	3.1	e

Creatinine E

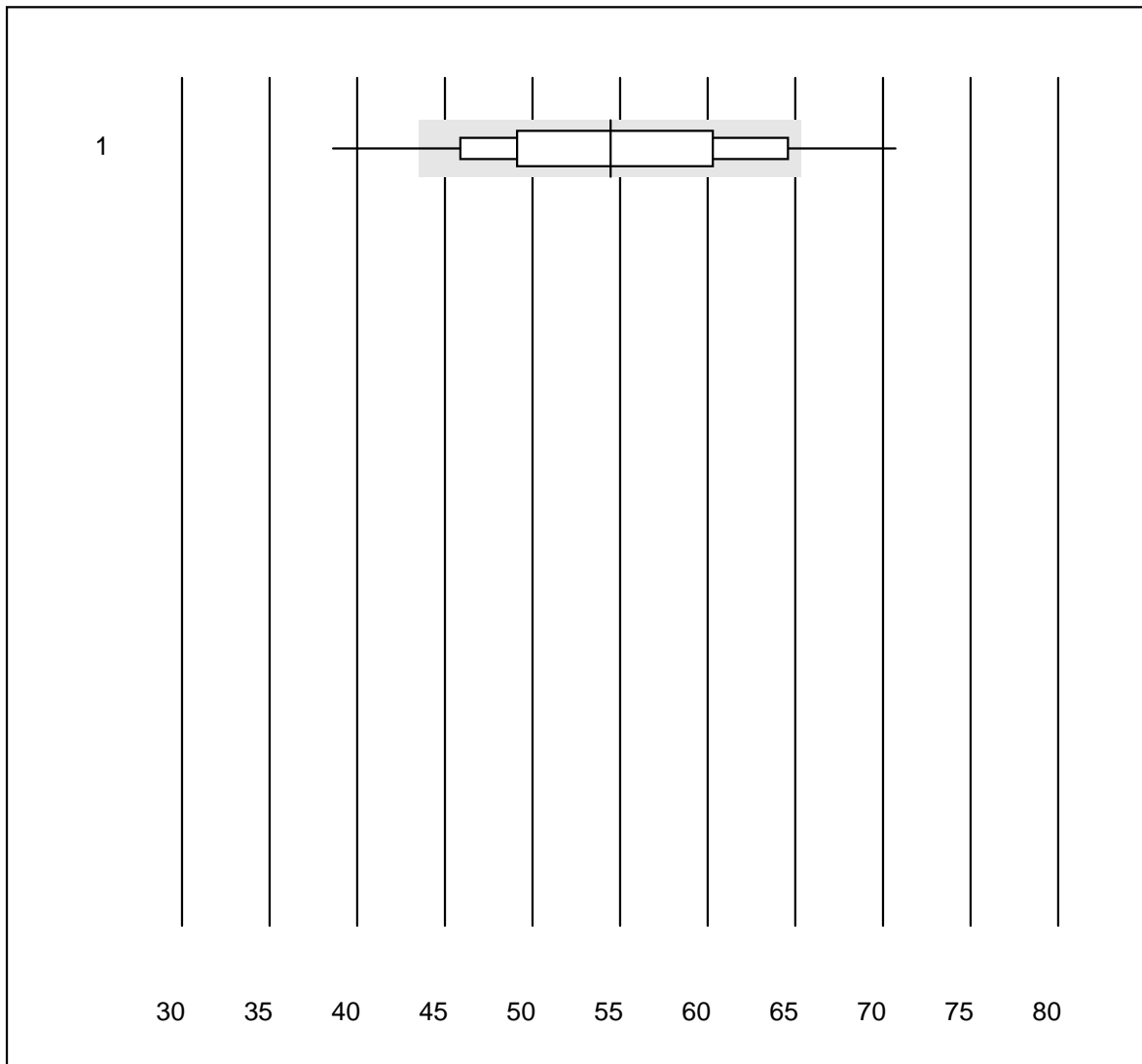


QUALAB tolerance : 20 %

Creatinine E (µmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Statsensor i / Nova	22	100.0	0.0	0.0	236	9.1	e
2	iStat Chem8	6	100.0	0.0	0.0	131	2.2	e
3	ABL700/800 Radiomete	11	100.0	0.0	0.0	119	3.8	e

eGFR

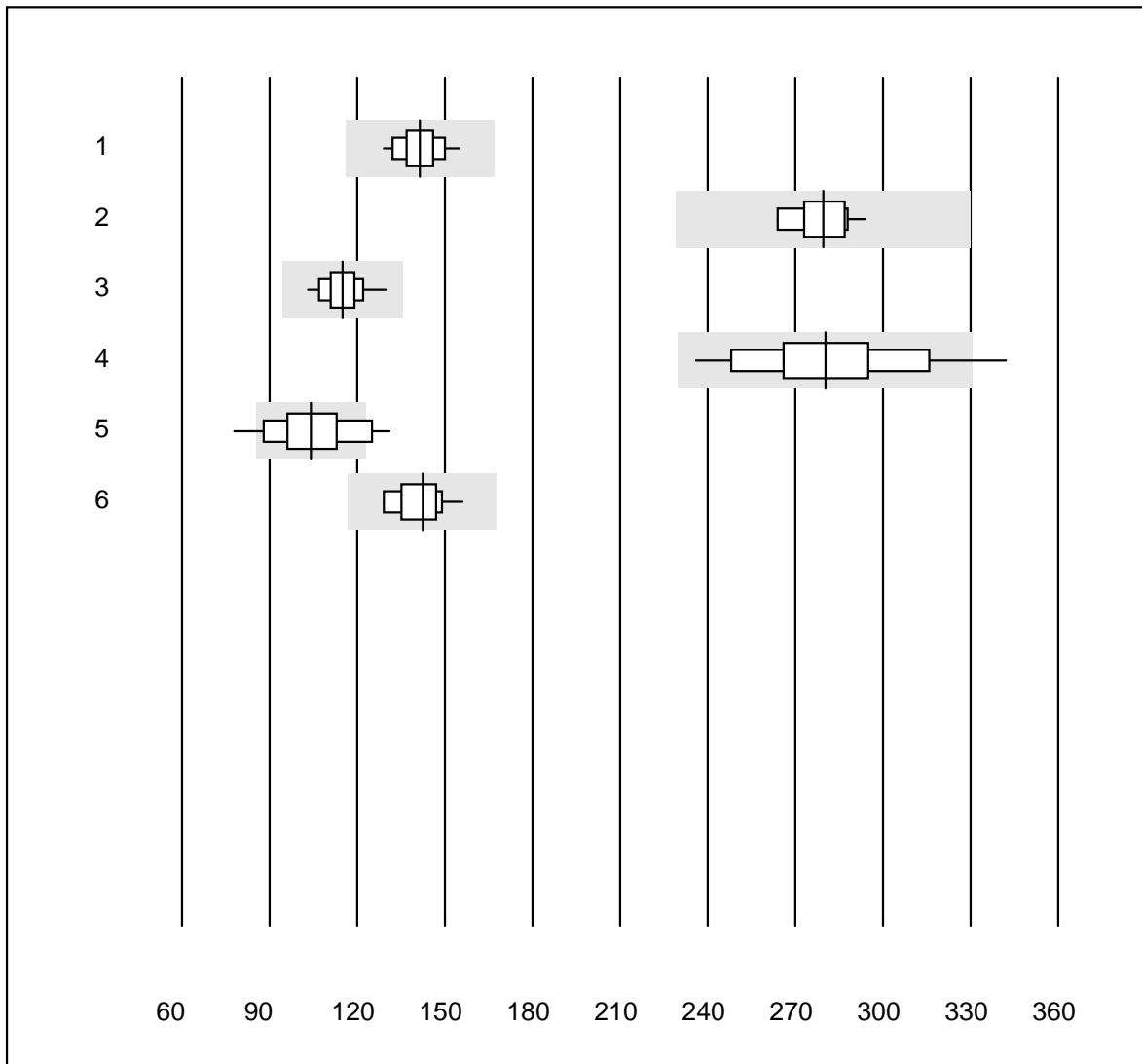


QUALAB tolerance : 20 %

eGFR ()

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	all Participants	899	81.0	12.7	6.3	54	13.4	e

LDH

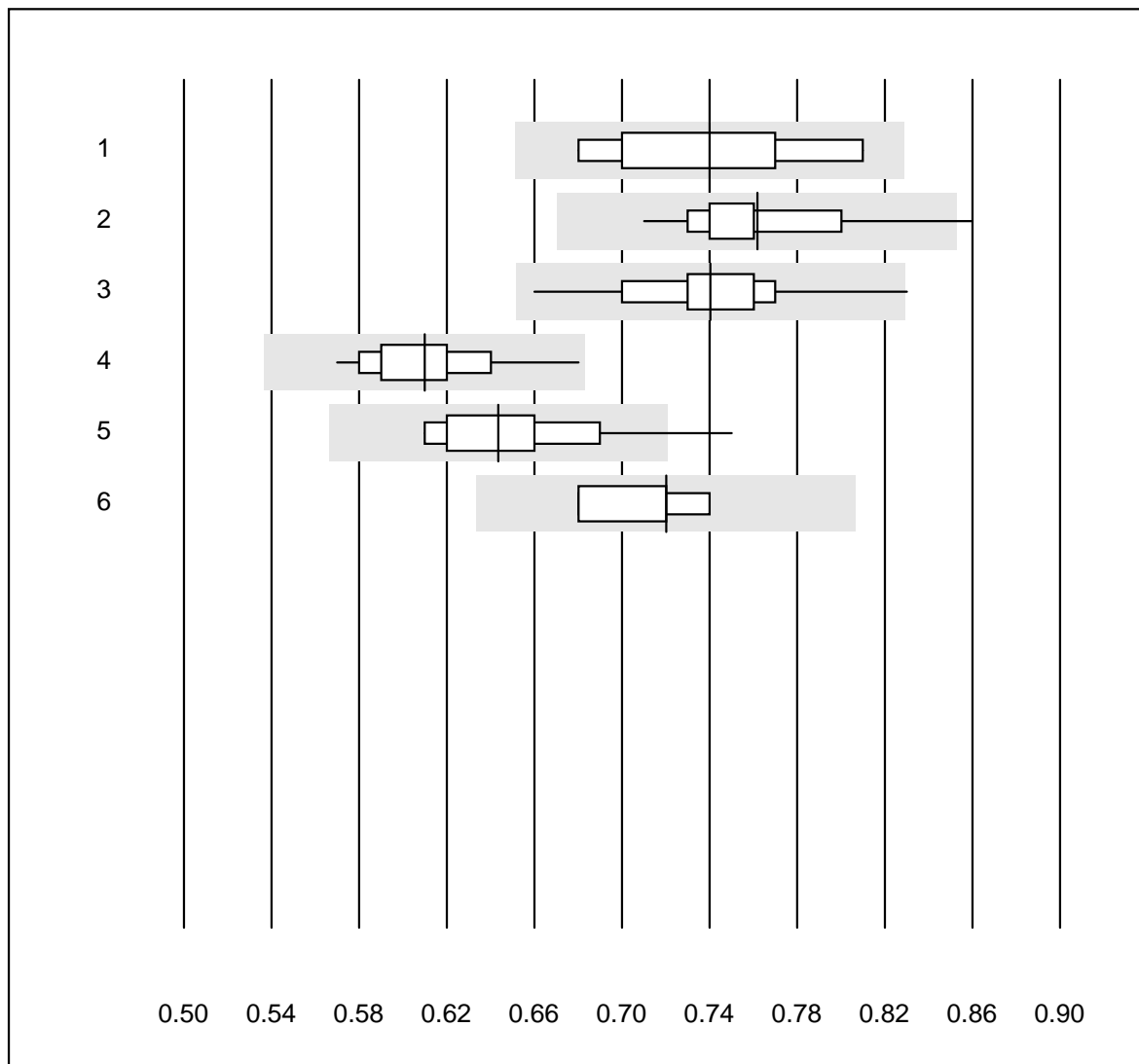


QUALAB tolerance : 18 %

LDH (U/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	IFCC	17	100.0	0.0	0.0	141	4.6	e
2	Cobas	10	100.0	0.0	0.0	280	3.4	e
3	Fuji Dri-Chem	139	98.6	0.0	1.4	115	4.9	e
4	Spotchem/Ready	41	95.1	4.9	0.0	280	9.2	e
5	Spotchem D-Concept	32	68.8	15.6	15.6	104	13.1	e*
6	Abx Mira	11	100.0	0.0	0.0	142	5.9	e

Magnesium

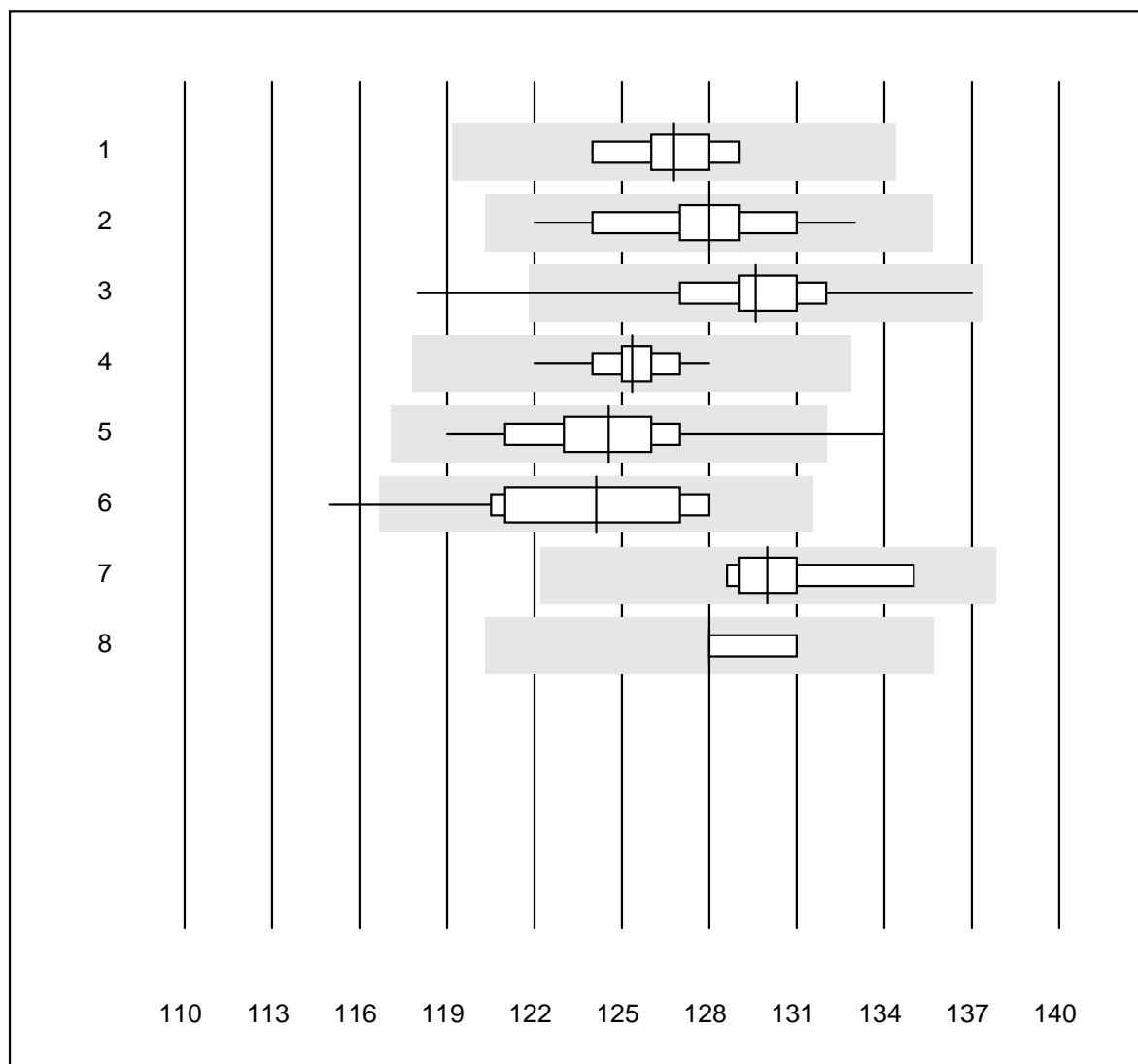


QUALAB tolerance : 12 %

Magnesium (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Standard chemistry	9	100.0	0.0	0.0	0.74	6.4	e*
2	Cobas	13	84.6	7.7	7.7	0.76	4.9	e
3	Fuji Dri-Chem	104	97.1	1.0	1.9	0.74	3.8	e
4	Spotchem D-Concept	21	100.0	0.0	0.0	0.61	4.8	e
5	Spotchem/Ready	18	88.8	5.6	5.6	0.64	5.5	e
6	Piccolo	5	80.0	0.0	20.0	0.72	3.9	e*

Sodium

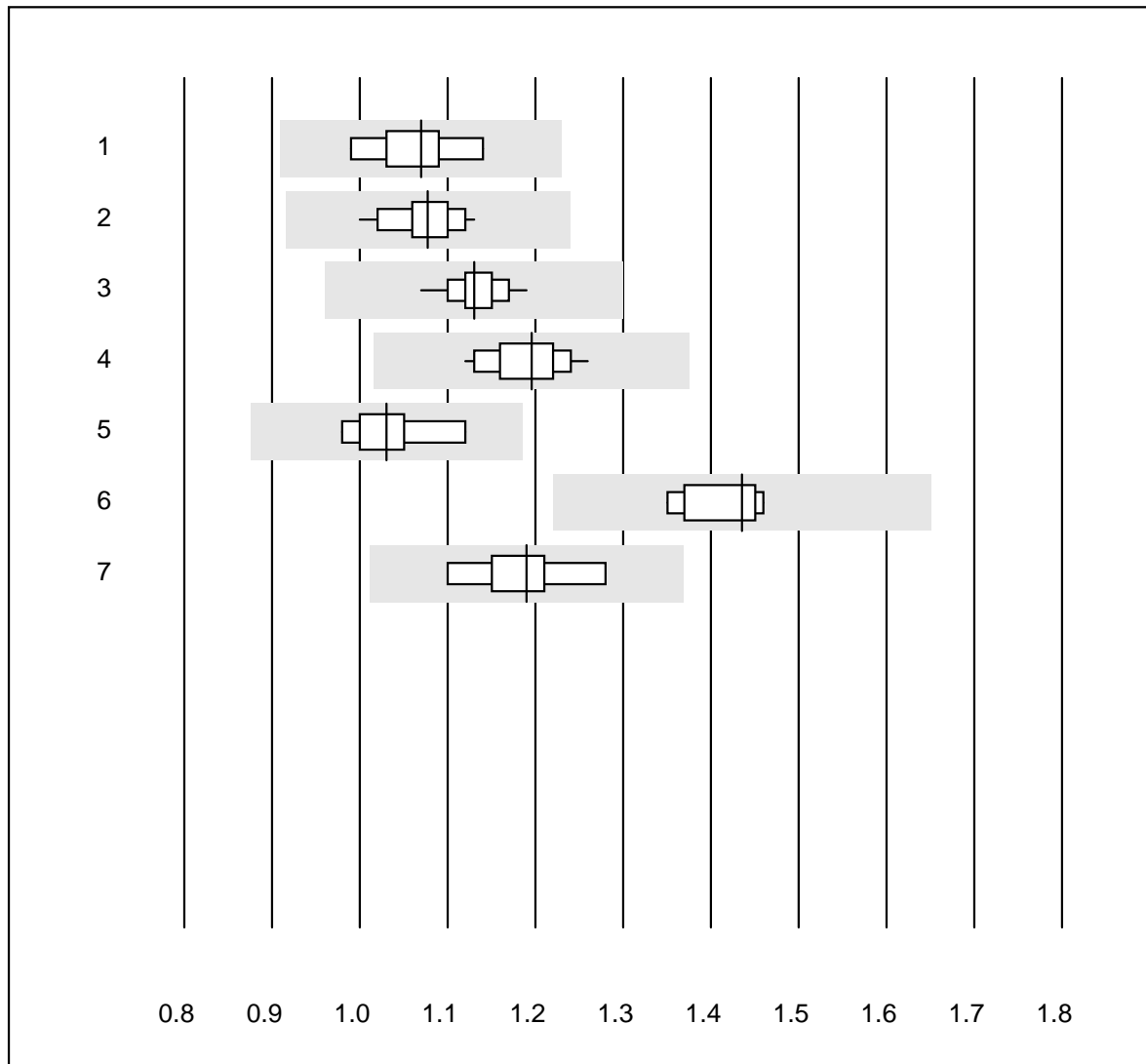


QUALAB tolerance : 6 %

Sodium (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	ISE	19	100.0	0.0	0.0	127	1.2	e
2	Cobas	18	100.0	0.0	0.0	128	2.0	e
3	Fuji Dri-Chem	596	98.4	0.3	1.3	130	1.6	e
4	Spotchem D-Concept	99	99.0	0.0	1.0	125	1.0	e
5	Spotchem EL-SE 1520	120	97.5	0.8	1.7	125	2.0	e
6	Piccolo	14	92.9	7.1	0.0	124	2.9	e*
7	Abx Mira	7	100.0	0.0	0.0	130	1.7	e
8	iStat Chem8	4	100.0	0.0	0.0	128	1.2	e

Phosphate

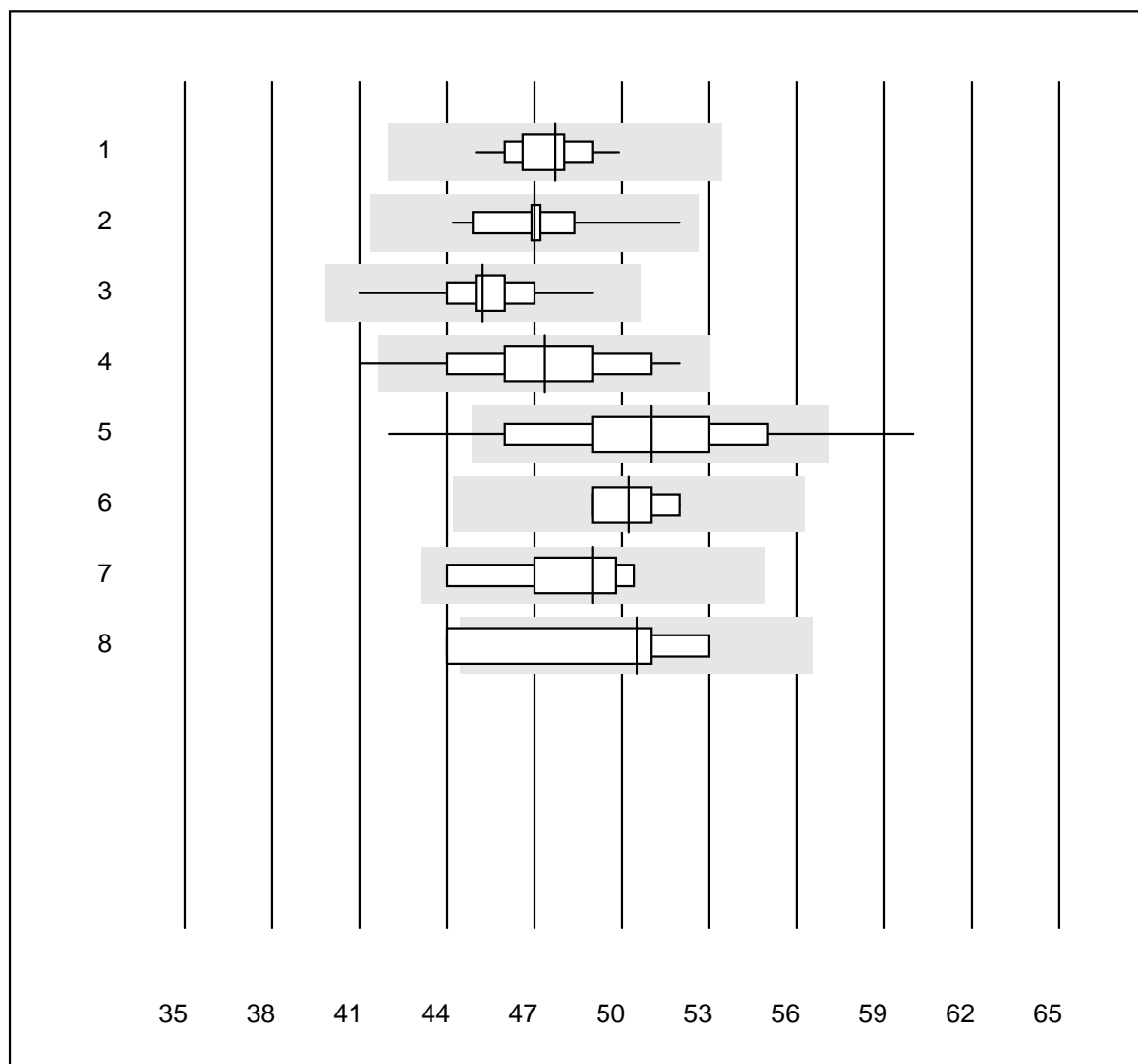


QUALAB tolerance : 15 %

Phosphate (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Standard chemistry	9	100.0	0.0	0.0	1.1	4.3	e
2	Cobas	13	100.0	0.0	0.0	1.1	3.5	e
3	Fuji Dri-Chem	75	100.0	0.0	0.0	1.1	2.2	e
4	Spotchem D-Concept	16	100.0	0.0	0.0	1.2	3.4	e
5	Spotchem/Ready	9	100.0	0.0	0.0	1.0	4.1	e
6	Piccolo	5	100.0	0.0	0.0	1.4	3.4	e
7	Abx Mira	5	100.0	0.0	0.0	1.2	5.7	e*

Protein total

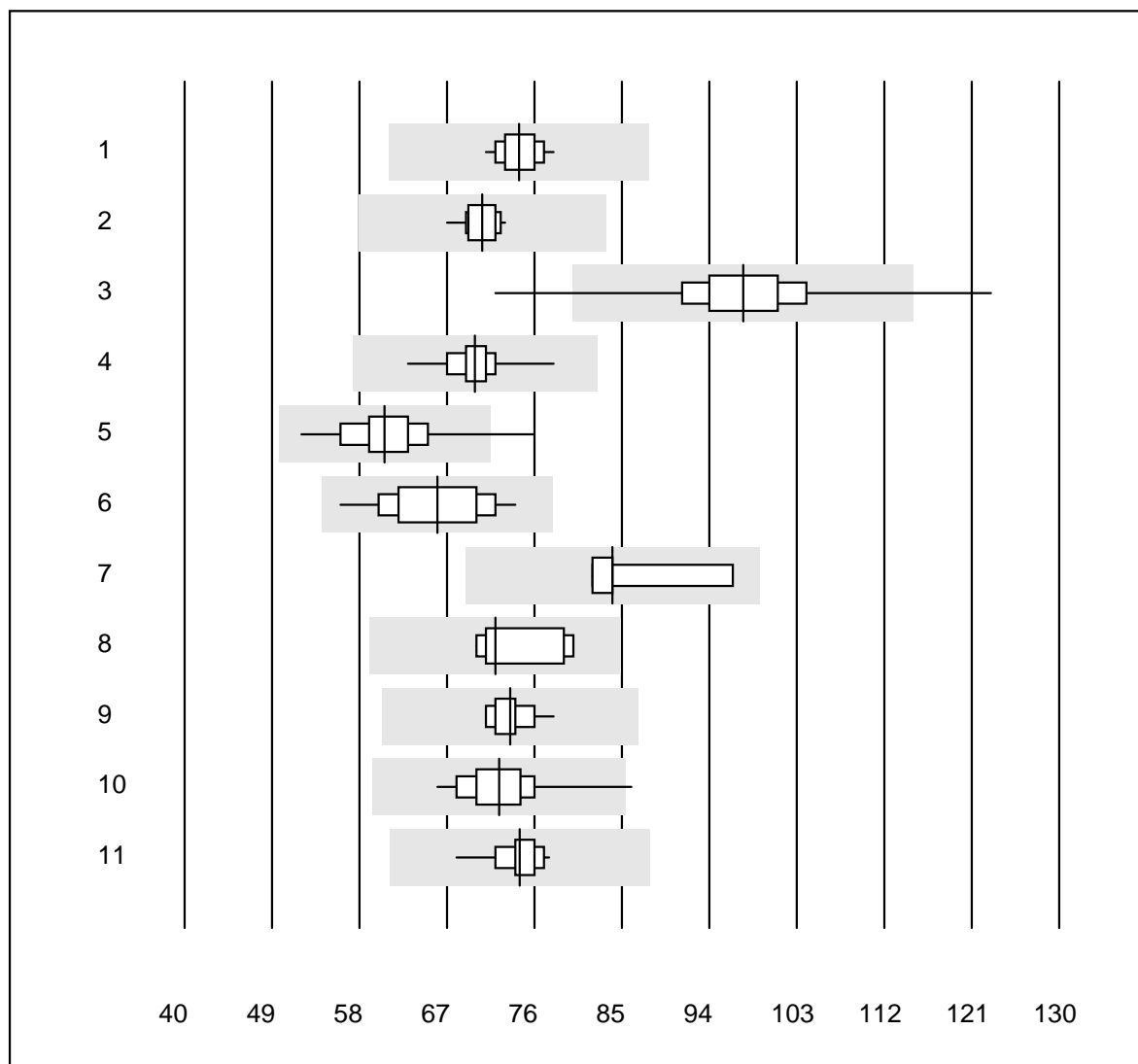


QUALAB tolerance : 12 %

Protein total (g/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Standard chemistry	12	100.0	0.0	0.0	47.7	2.8	e
2	Cobas	14	100.0	0.0	0.0	47.0	3.9	e
3	Fuji Dri-Chem	166	99.4	0.0	0.6	45.2	2.9	e
4	Spotchem/Ready	48	95.8	2.1	2.1	47.3	5.0	e
5	Spotchem D-Concept	49	91.8	8.2	0.0	51.0	7.0	e
6	Piccolo	14	100.0	0.0	0.0	50.2	2.1	e
7	Abx Mira	7	100.0	0.0	0.0	49.0	4.6	e*
8	Hitachi S40/M40	4	75.0	25.0	0.0	50.5	7.8	e*

Aspartate aminotransferase

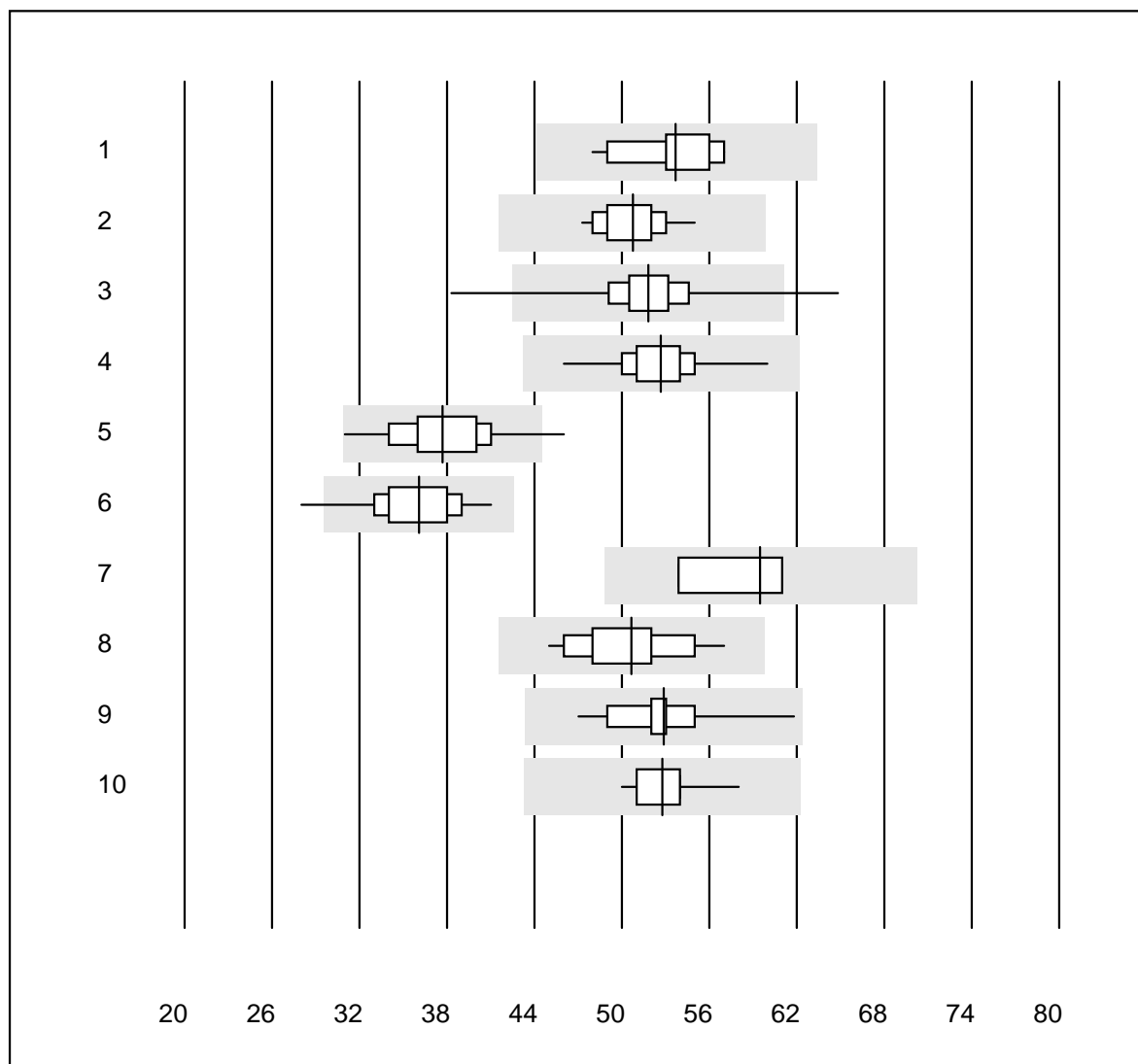


QUALAB tolerance : 18 %

Aspartate aminotransferase (U/l)

No.Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1 IFCC with Pyridox 37	12	100.0	0.0	0.0	74	2.8	e
2 Cobas	19	100.0	0.0	0.0	71	2.2	e
3 Reflotron	980	98.6	0.9	0.5	97	5.7	e
4 Fuji Dri-Chem	647	99.7	0.0	0.3	70	3.0	e
5 Spotchem/Ready	169	99.4	0.6	0.0	61	5.6	e
6 Spotchem D-Concept	107	100.0	0.0	0.0	66	6.9	e
7 Vitros/Ektachem	4	100.0	0.0	0.0	84	7.6	e*
8 IFCC with Pyridox 37	5	100.0	0.0	0.0	72	6.3	e*
9 Piccolo	18	100.0	0.0	0.0	73	2.6	e
10 Abx Mira	21	95.2	4.8	0.0	72	5.9	e
11 Hitachi S40/M40	13	100.0	0.0	0.0	75	3.5	e

Alanine aminotransferase

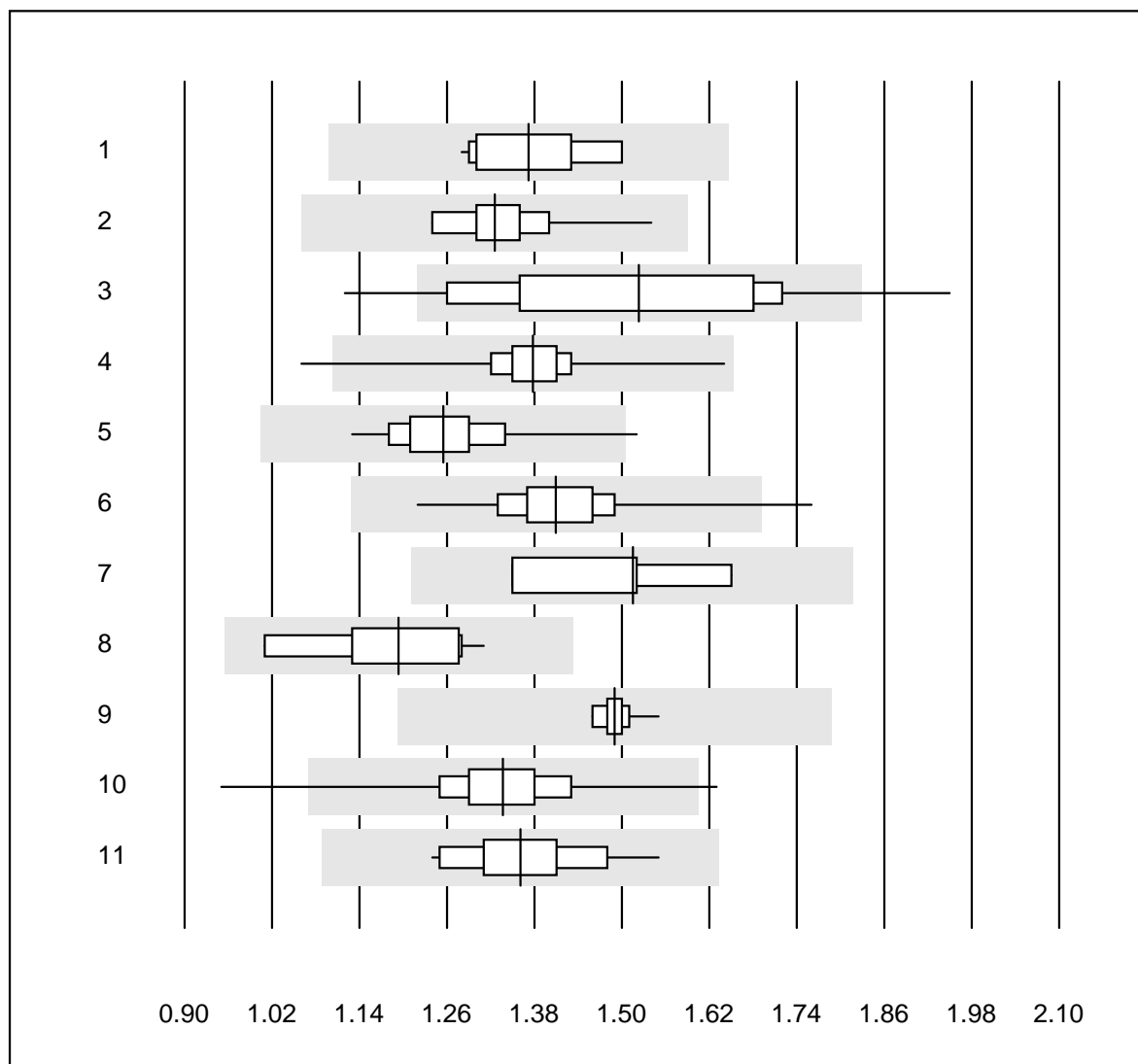


QUALAB tolerance : 18 %

Alanine aminotransferase (U/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	IFCC with Pyridox 37	13	100.0	0.0	0.0	54	5.7	e
2	Cobas	20	100.0	0.0	0.0	51	3.8	e
3	Reflotron	1007	97.7	0.9	1.4	52	5.0	e
4	Fuji Dri-Chem	660	99.7	0.0	0.3	53	3.8	e
5	Spotchem/Ready	173	97.6	1.2	1.2	38	7.8	e
6	Spotchem D-Concept	111	98.2	1.8	0.0	36	7.6	e
7	Vitros/Ektachem	4	100.0	0.0	0.0	60	5.7	e*
8	Piccolo	19	100.0	0.0	0.0	51	6.2	e
9	Abx Mira	21	95.2	0.0	4.8	53	5.5	e
10	Hitachi S40/M40	13	100.0	0.0	0.0	53	4.0	e

Triglycerides



QUALAB tolerance : 20 %

Triglycerides (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Standard chemistry	18	100.0	0.0	0.0	1.37	5.4	e
2	Cobas	19	100.0	0.0	0.0	1.33	5.1	e
3	Reflotron	794	92.7	5.7	1.6	1.52	12.0	e
4	Fuji Dri-Chem	605	99.0	0.3	0.7	1.38	3.8	e
5	Spotchem/Ready	153	98.0	0.7	1.3	1.25	5.4	e
6	Spotchem D-Concept	105	97.1	1.0	1.9	1.41	5.3	e
7	Vitros/Ektachem	4	100.0	0.0	0.0	1.52	8.1	e*
8	Hitachi S40/M40	10	100.0	0.0	0.0	1.19	7.8	e*
9	Piccolo	11	100.0	0.0	0.0	1.49	1.7	e
10	Cholestech LDX	193	98.5	1.0	0.5	1.34	5.7	e
11	Abx Mira	17	100.0	0.0	0.0	1.36	6.2	e

Fructosamine

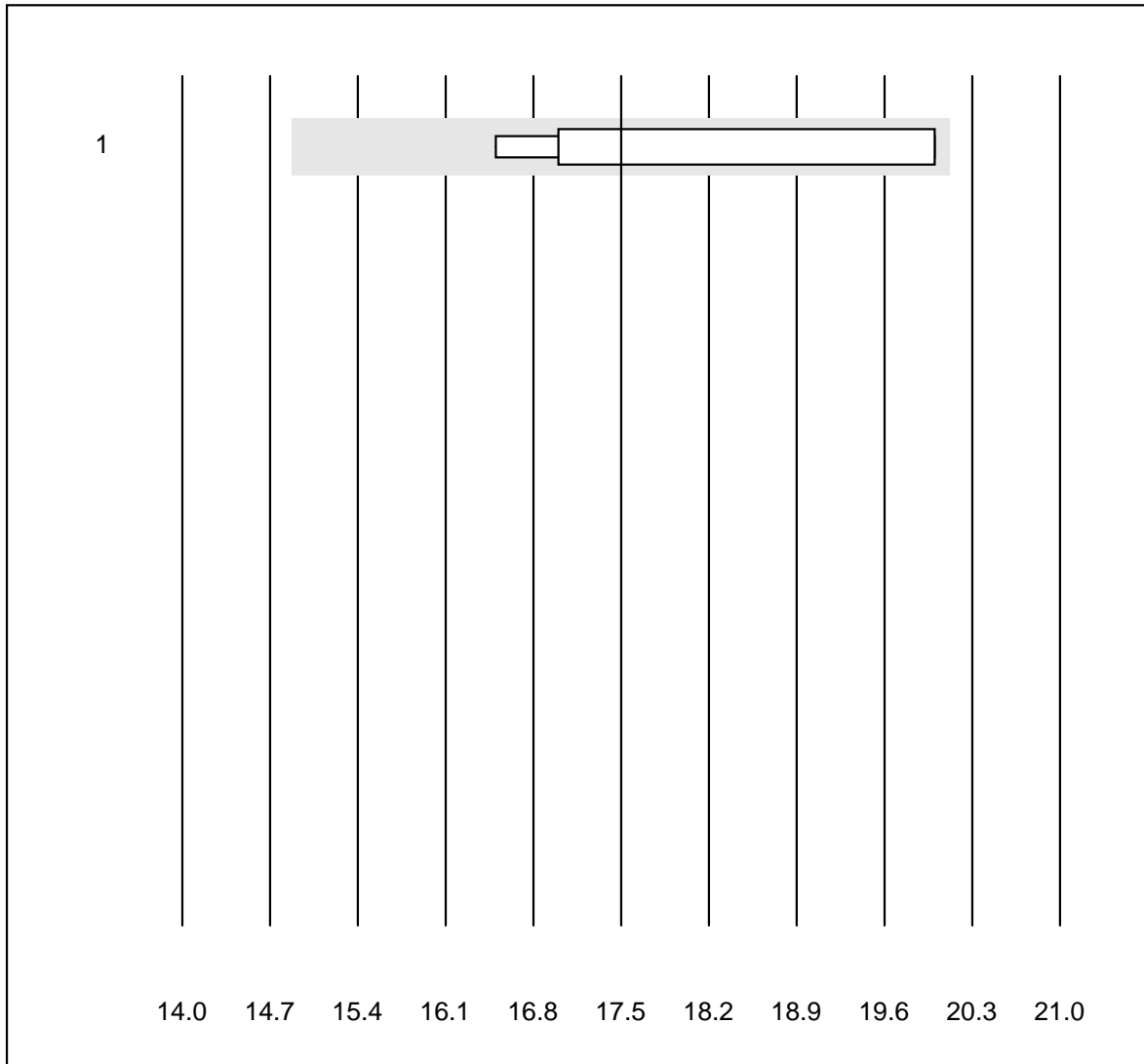


QUALAB tolerance : 15 %

Fructosamine (µmol/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Spotchem/Ready	5	100.0	0.0	0.0	187	6.4	e*

Bicarbonat

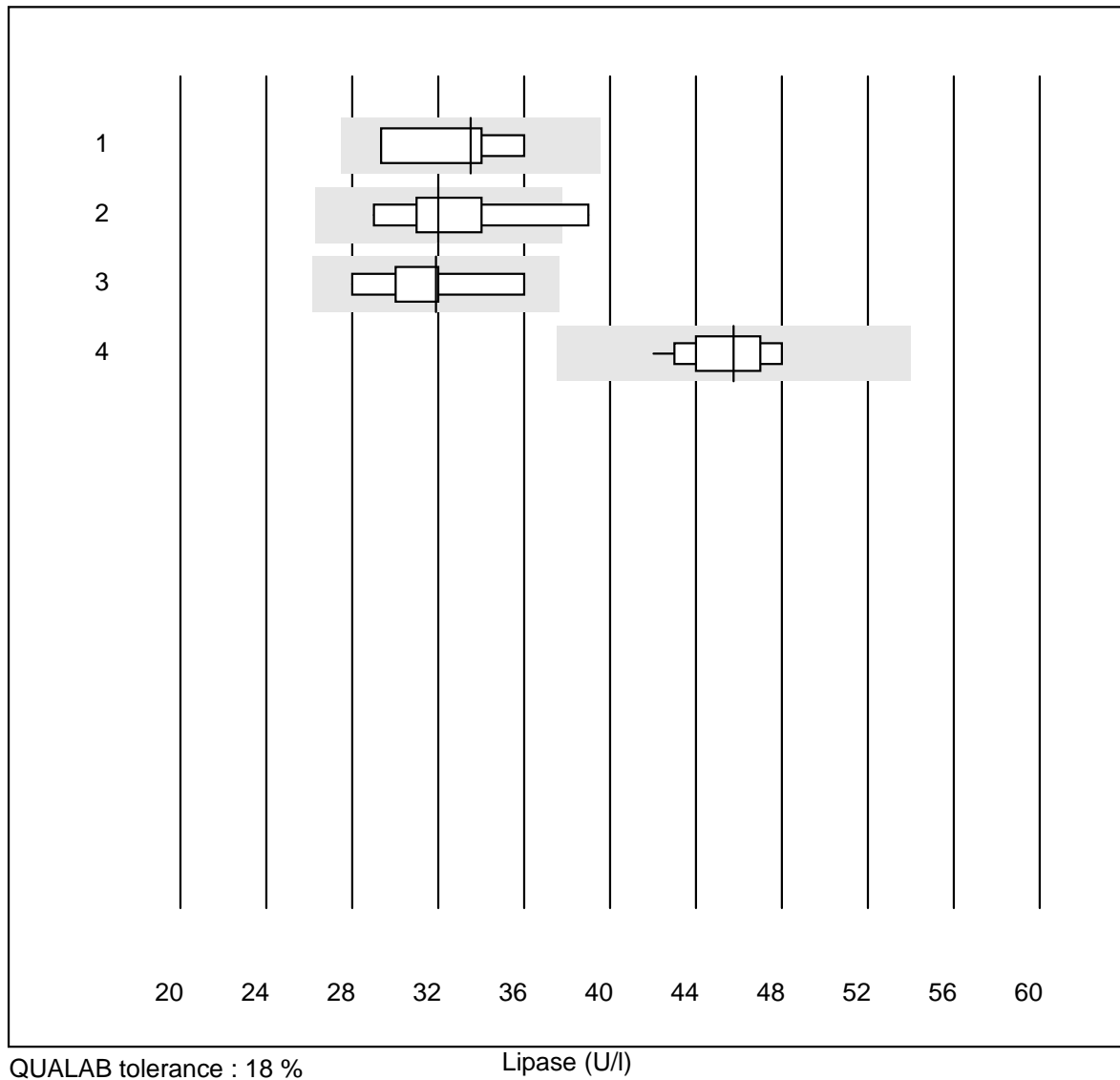


QUALAB tolerance : 15 %

Bicarbonat (mmol/l)

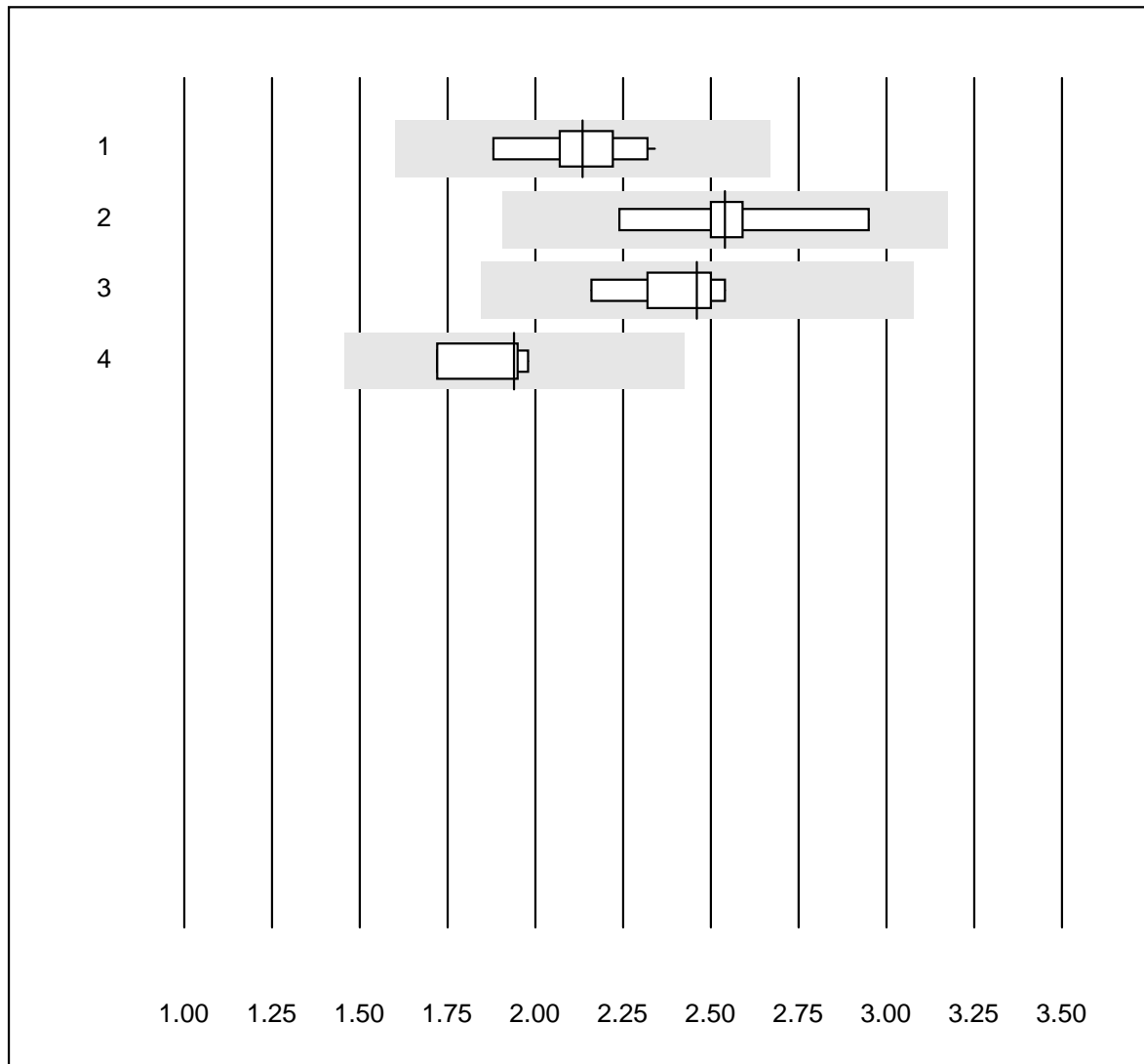
No.Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1 Piccolo	5	100.0	0.0	0.0	18	9.0	e*

Lipase



No. Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1 Abx Mira	4	100.0	0.0	0.0	33.5	8.4	e*
2 Beckman/Olympus	5	80.0	20.0	0.0	32.0	11.5	e*
3 Standard chemistry	9	88.9	0.0	11.1	31.9	7.9	e*
4 Fuji Dri-Chem	19	100.0	0.0	0.0	45.7	4.0	e

LDL Cholesterin

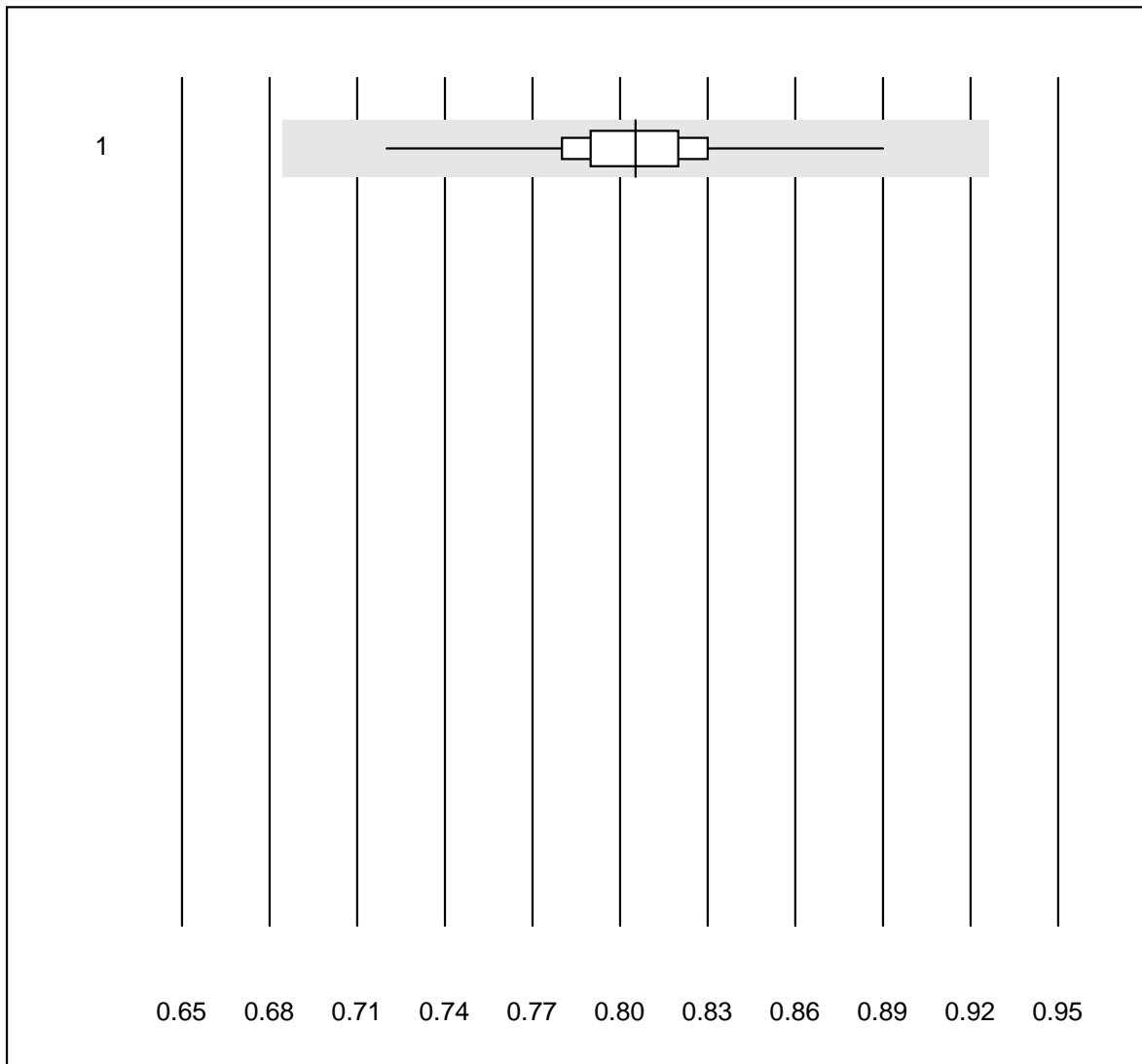


QUALAB tolerance : 25 %

LDL Cholesterin (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Abx Mira	10	100.0	0.0	0.0	2.1	6.8	e
2	Standard chemistry	5	100.0	0.0	0.0	2.5	9.9	e*
3	Roche, Cobas	5	100.0	0.0	0.0	2.5	6.5	e
4	Hitachi S40/M40	4	100.0	0.0	0.0	1.9	6.3	e*

Lithium

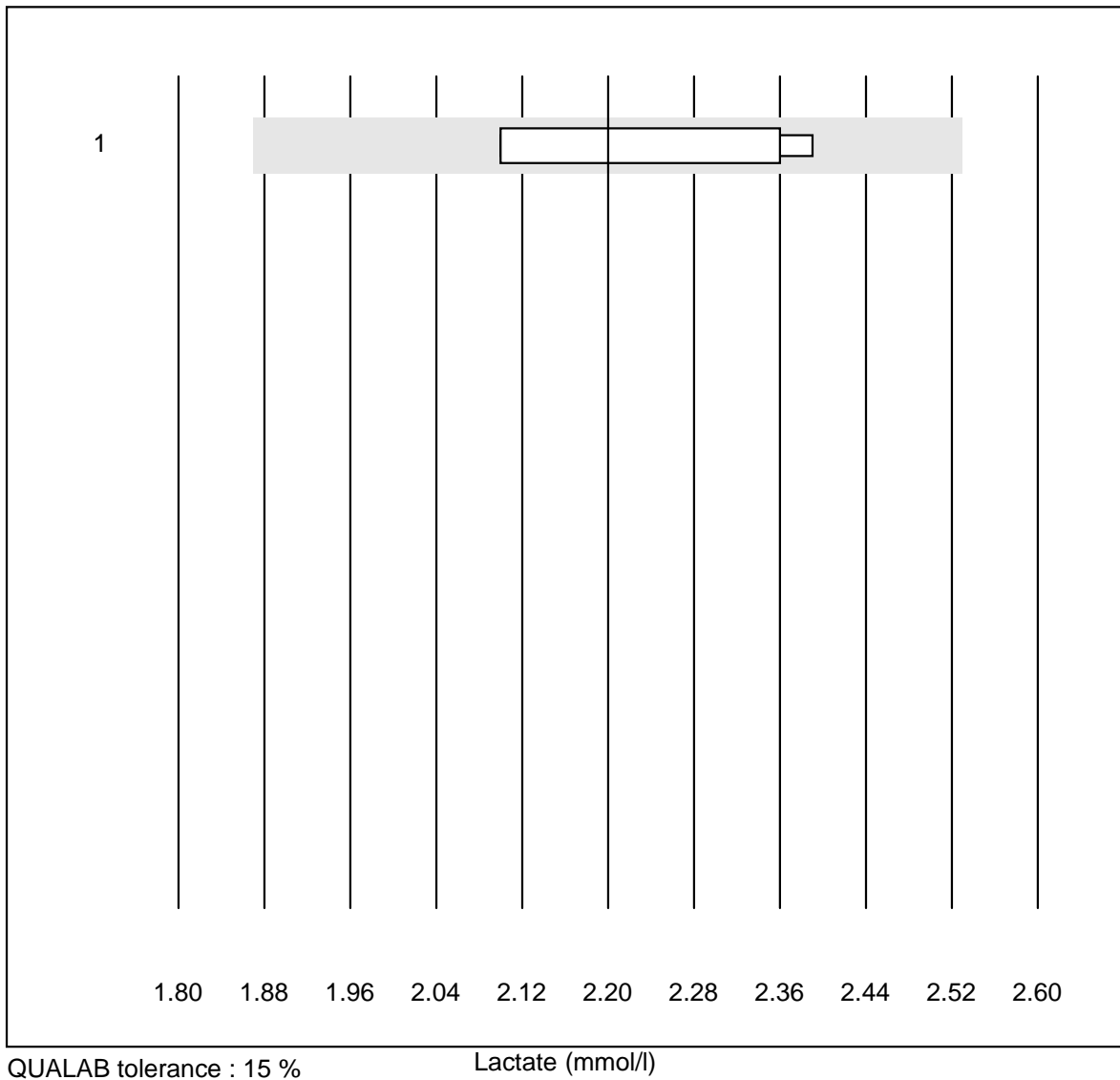


QUALAB tolerance : 15 %

Lithium (mmol/l)

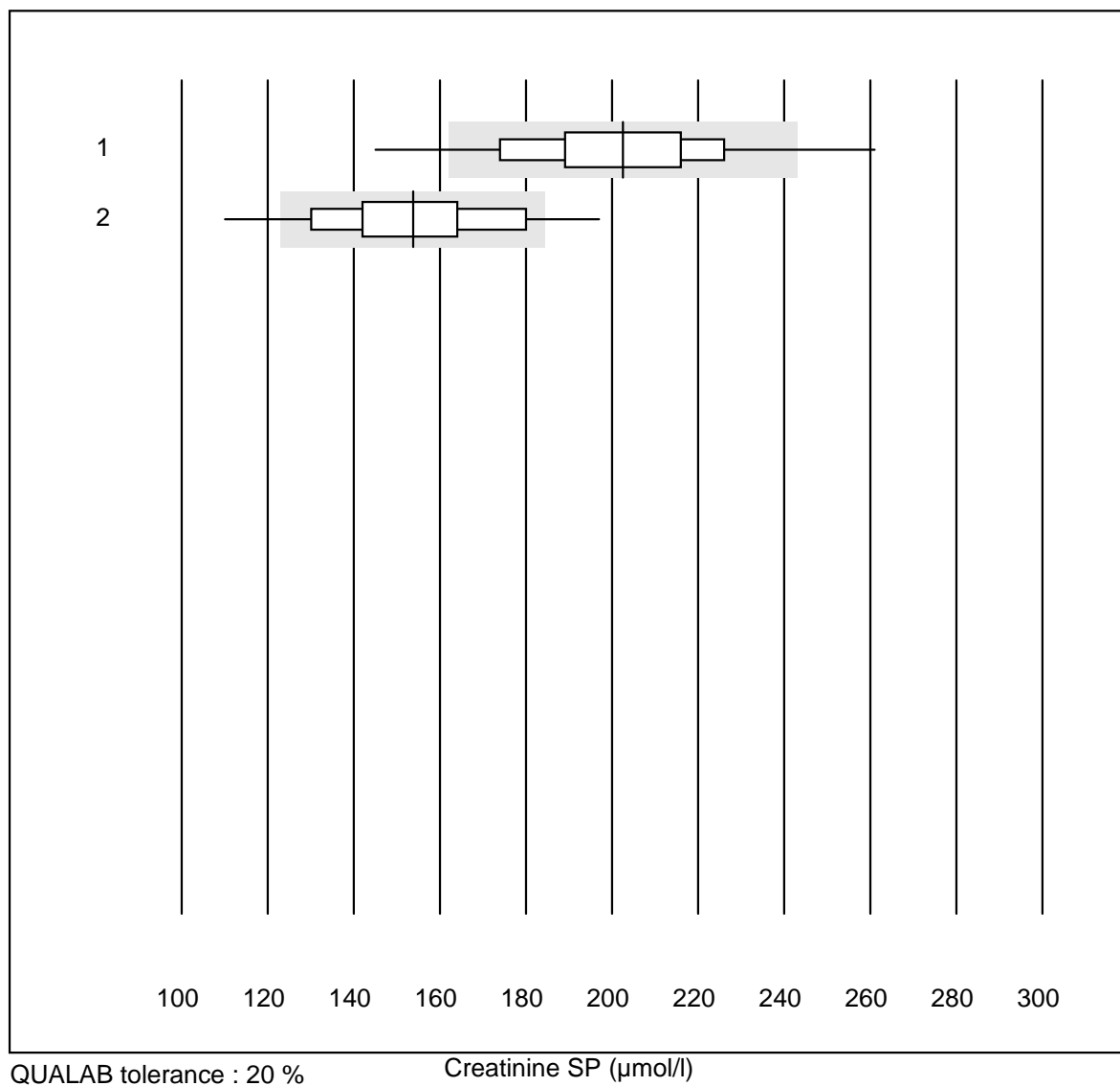
No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Type
1	all Participants	14	92.9	0.0	7.1	0.81	4.8	e

Lactate



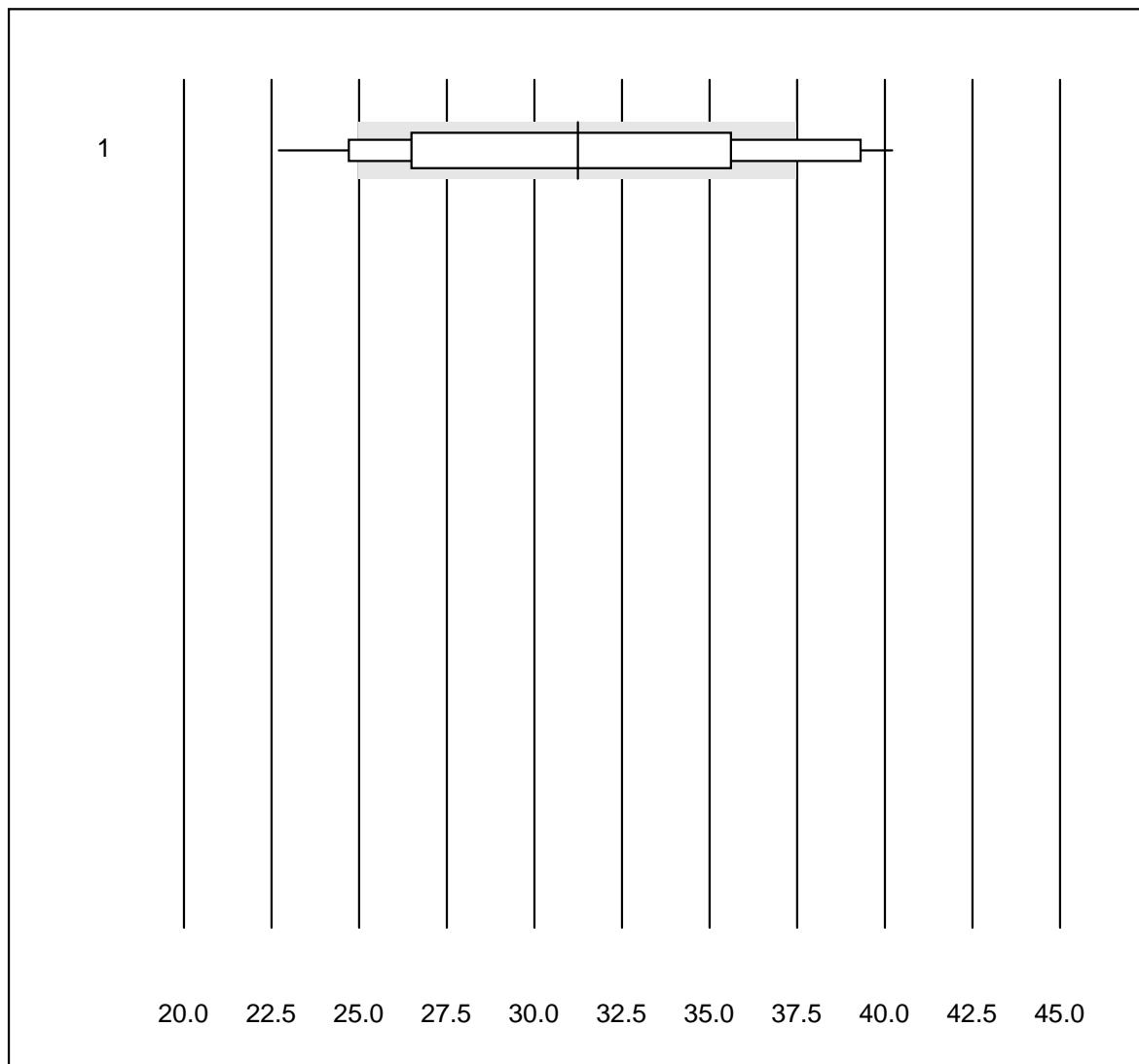
No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	all Participants	7	85.7	0.0	14.3	2.20	5.7	e*

Creatinine SP



No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Spotchem/Ready	168	89.9	6.5	3.6	202	10.7	e
2	Spotchem D-Concept	110	85.4	8.2	6.4	154	11.7	e

eGFR (Spotchem)

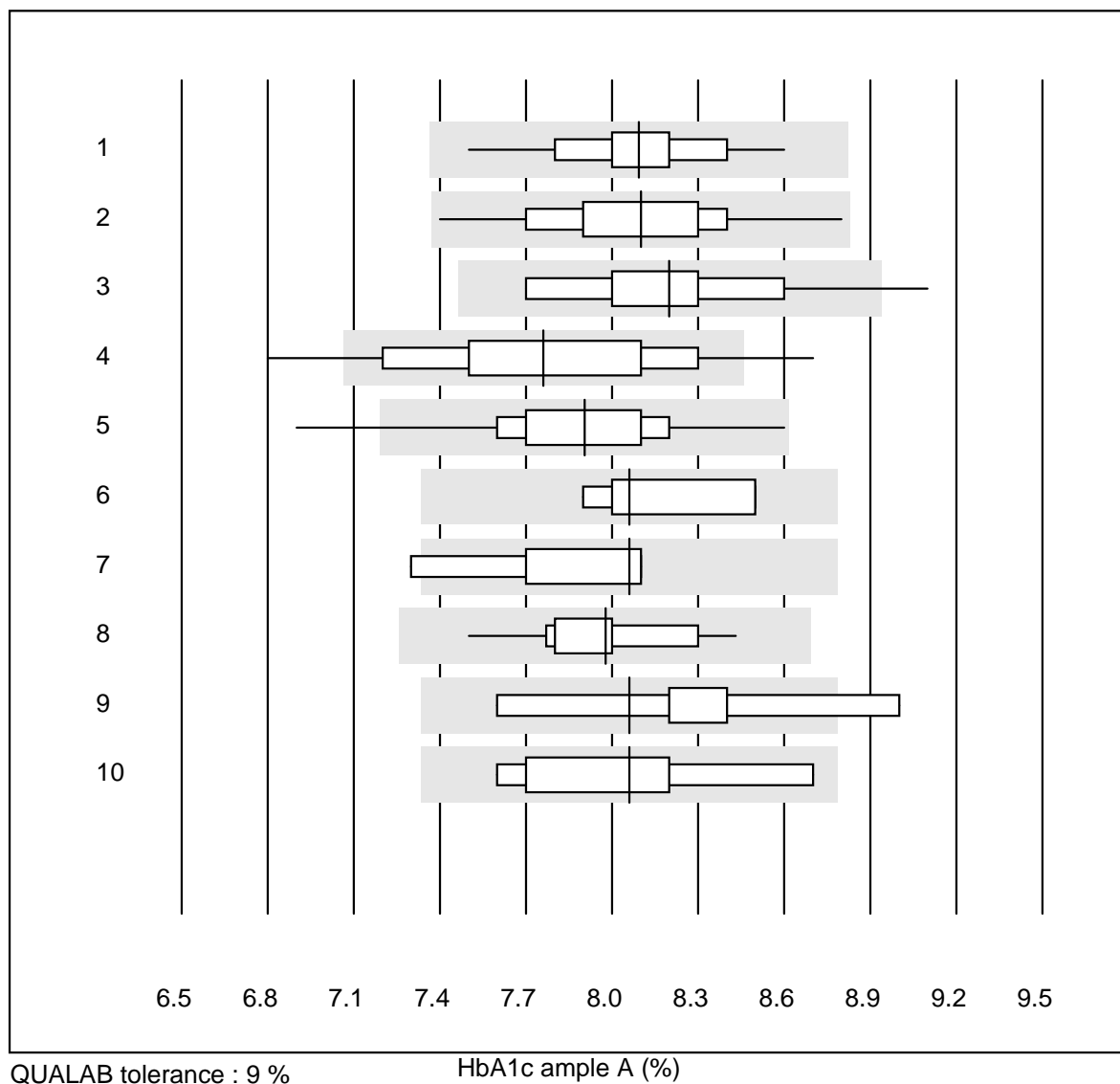


QUALAB tolerance : 20 %

eGFR (Spotchem) (l)

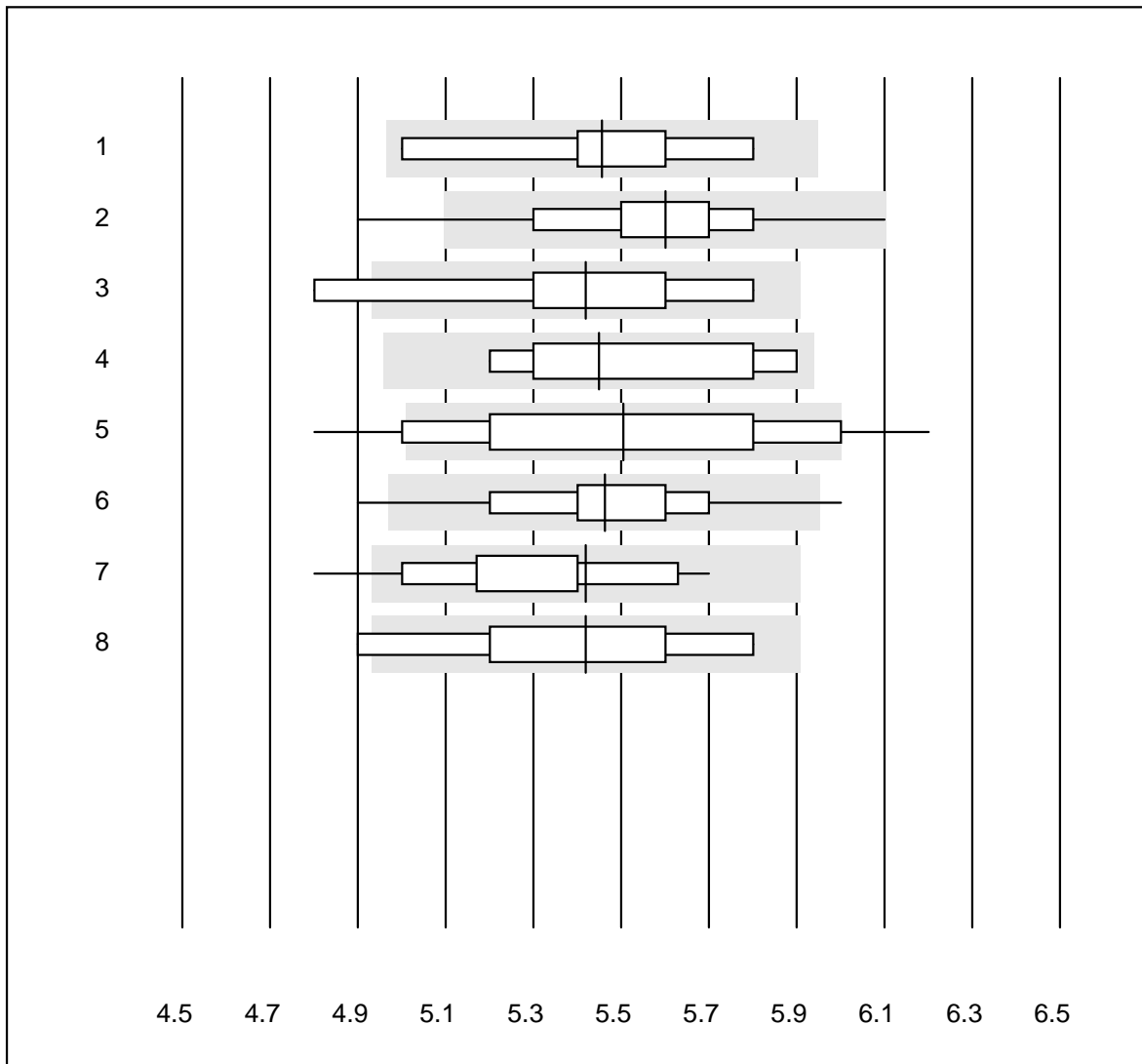
No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	all Participants	101	57.5	26.7	15.8	31	17.5	e

HbA1c ample A



No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Cobas b101	13	100.0	0.0	0.0	8.1	3.6	e
2	Afinion	618	99.4	0.0	0.6	8.1	3.4	e
3	Hemocue HbA1c 501	14	85.8	7.1	7.1	8.2	4.9	e*
4	NycoCard	163	80.9	11.7	7.4	7.8	5.5	e
5	DCA2000/Vantage	221	98.1	1.4	0.5	7.9	3.5	e
6	Others	8	87.5	0.0	12.5	8.1	2.9	a
7	HPLC	6	83.3	16.7	0.0	8.1	3.9	a
8	Roche, Cobas	21	100.0	0.0	0.0	8.0	2.8	e
9	Hitado Super D	5	80.0	20.0	0.0	8.1	6.0	a
10	A1c Now	8	100.0	0.0	0.0	8.1	4.3	a

HbA1c Probe B

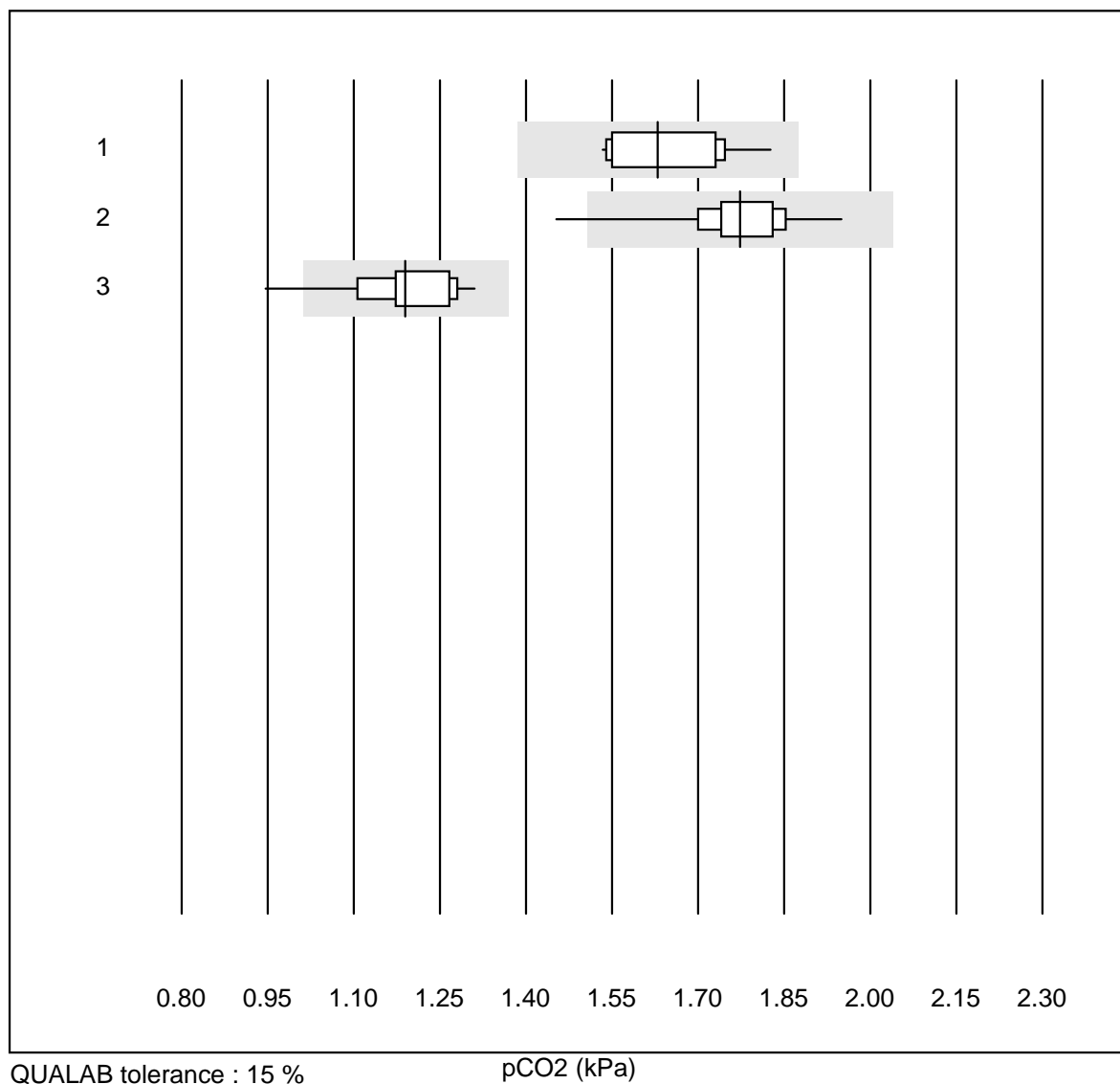


QUALAB tolerance : 9 %

HbA1c Probe B (%)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Cobas b101	14	100.0	0.0	0.0	5.5	4.8	e*
2	Afinion	467	99.4	0.6	0.0	5.6	3.4	e
3	A1c Now	5	80.0	20.0	0.0	5.4	7.0	a
4	Hemocue HbA1c 501	6	100.0	0.0	0.0	5.5	5.1	e*
5	NycoCard	118	74.6	16.1	9.3	5.5	6.5	e
6	DCA2000/Vantage	188	98.9	1.1	0.0	5.5	3.4	e
7	Roche, Cobas	16	93.7	6.3	0.0	5.4	4.5	a
8	Hitado Super D	8	87.5	12.5	0.0	5.4	5.4	a

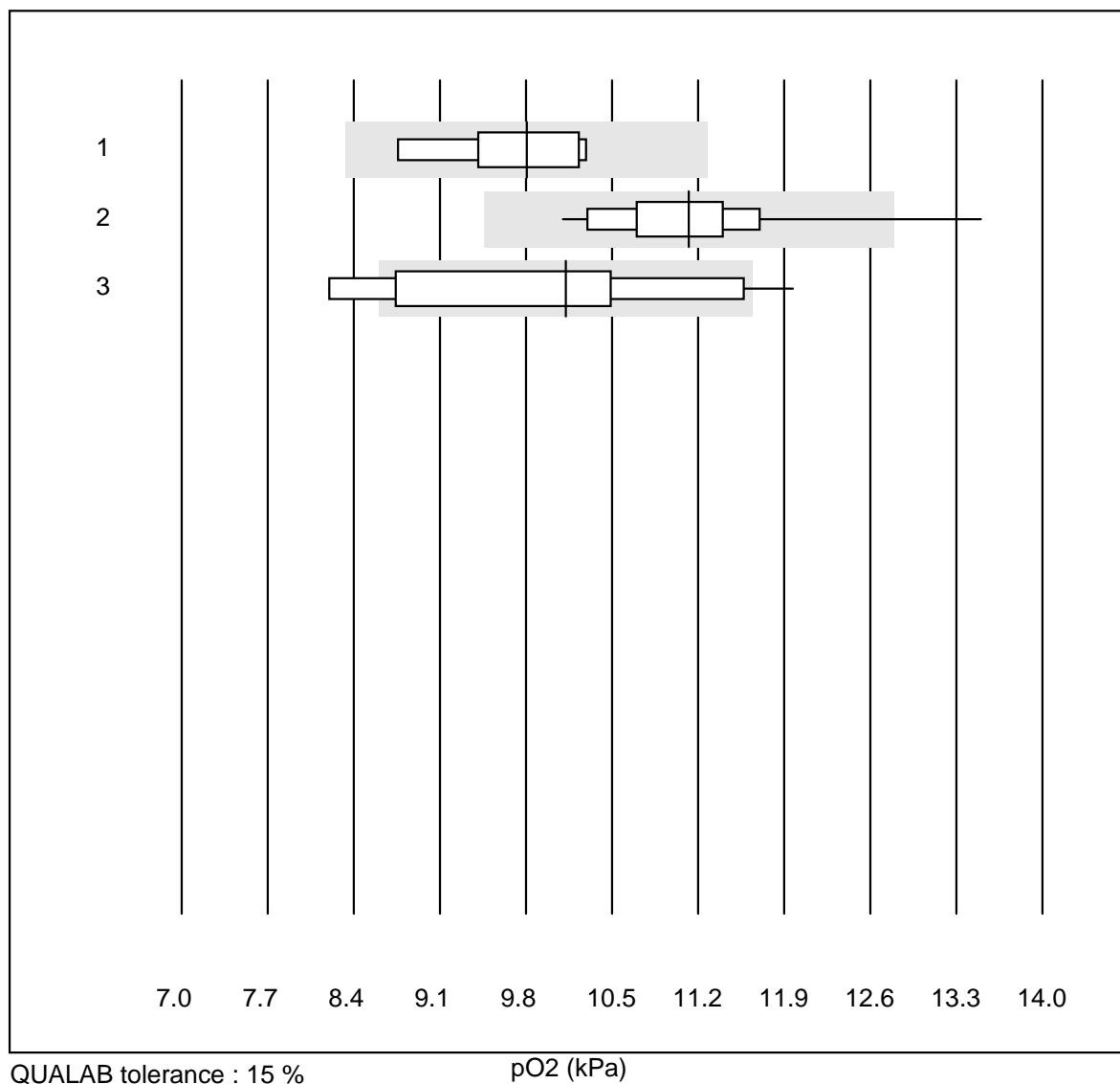
pCO2



QUALAB tolerance : 15 %

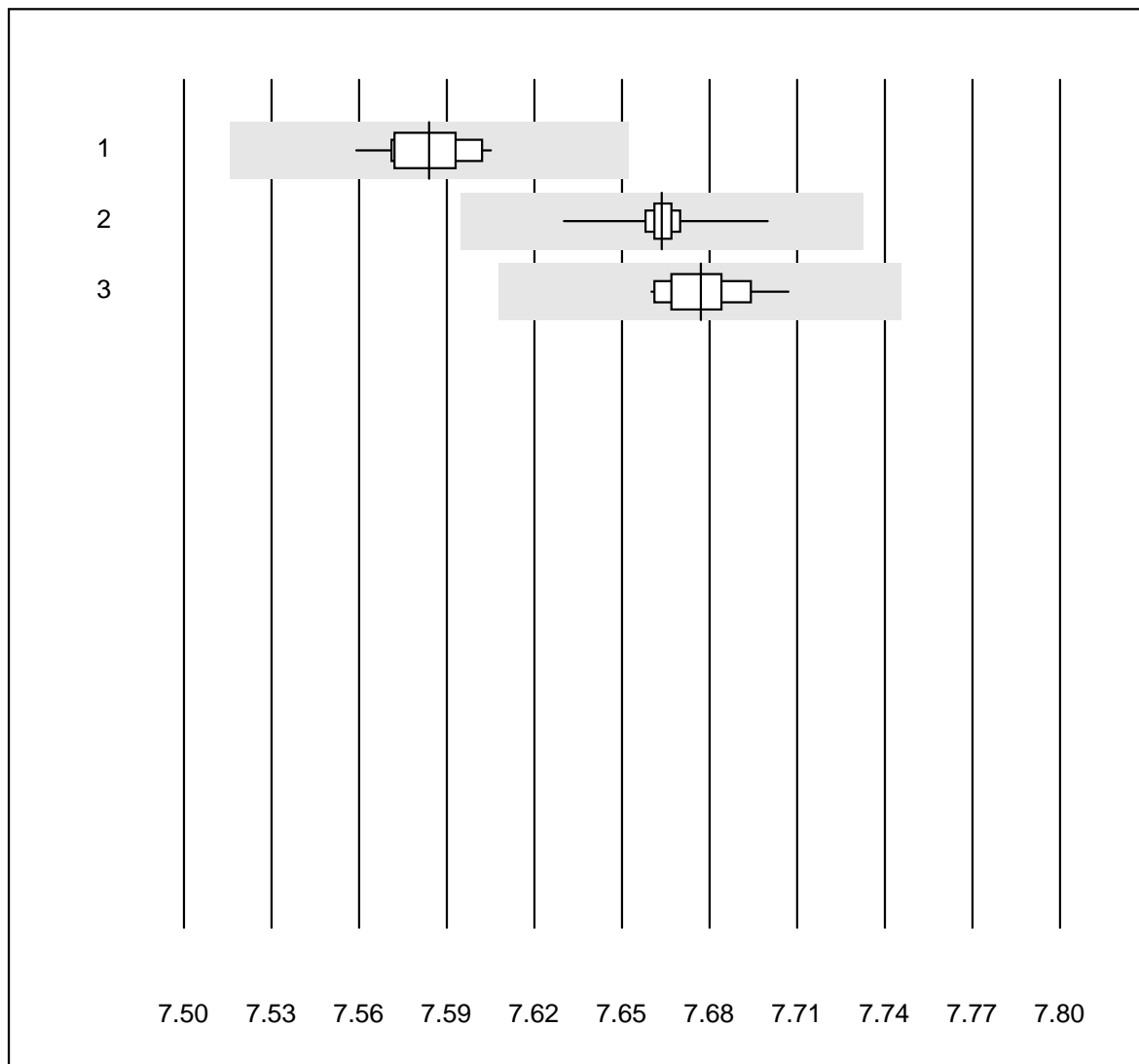
No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Cobas b121/123/221	13	84.6	0.0	15.4	1.63	5.9	e
2	iStat	36	97.2	2.8	0.0	1.77	4.8	e
3	EPOC	14	85.8	7.1	7.1	1.19	8.1	e*

pO2



No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Cobas b121/123/221	10	60.0	0.0	40.0	9.81	6.2	e*
2	iStat	35	80.0	8.6	11.4	11.13	6.8	e
3	EPOC	14	64.3	21.4	14.3	10.12	13.1	e*

pH

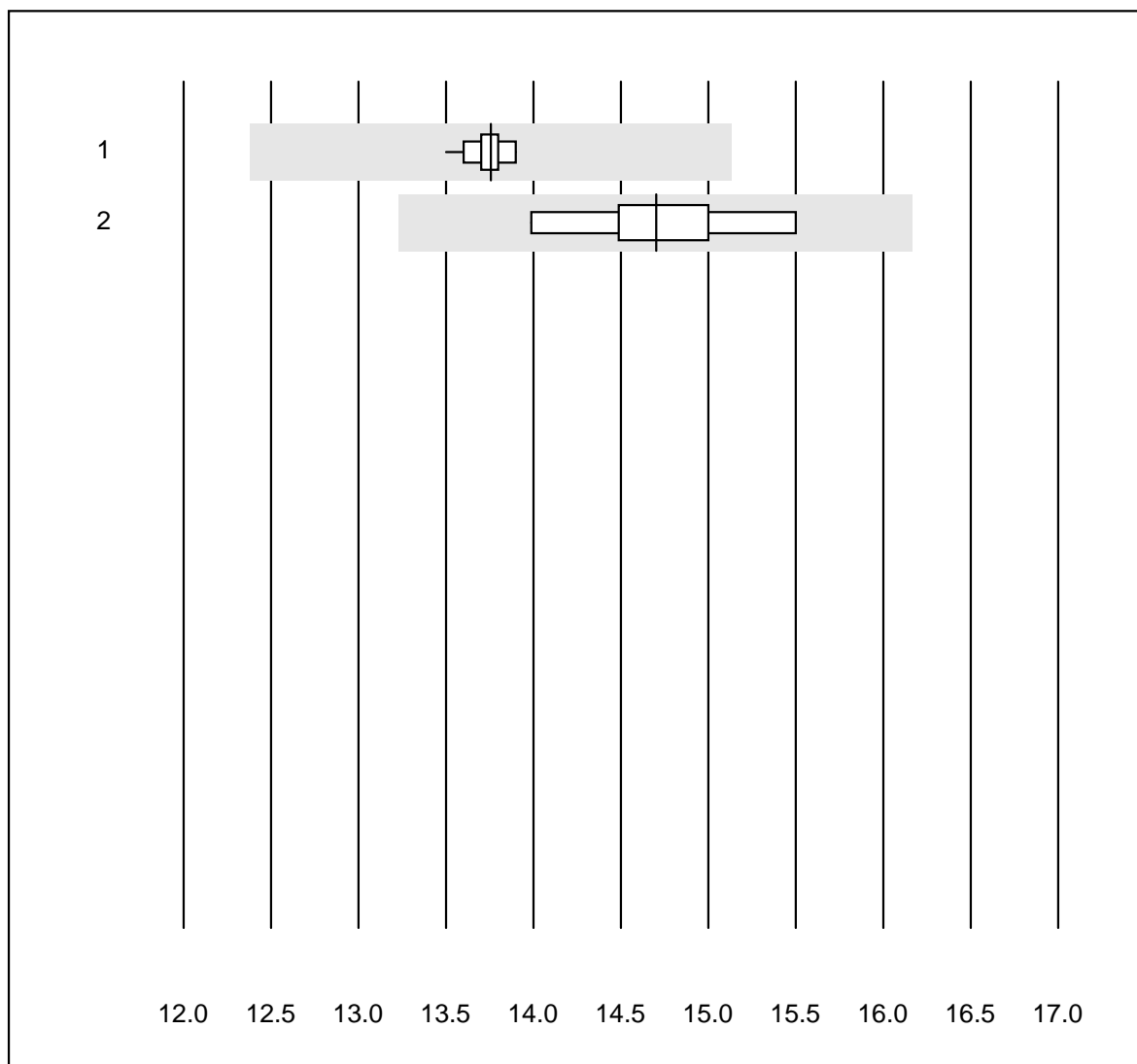


QUALAB tolerance : 1 %

pH ()

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Cobas b121/123/221	12	100.0	0.0	0.0	7.58	0.2	e
2	iStat	36	94.4	0.0	5.6	7.66	0.1	e
3	EPOC	14	100.0	0.0	0.0	7.68	0.2	e

Glucose BG

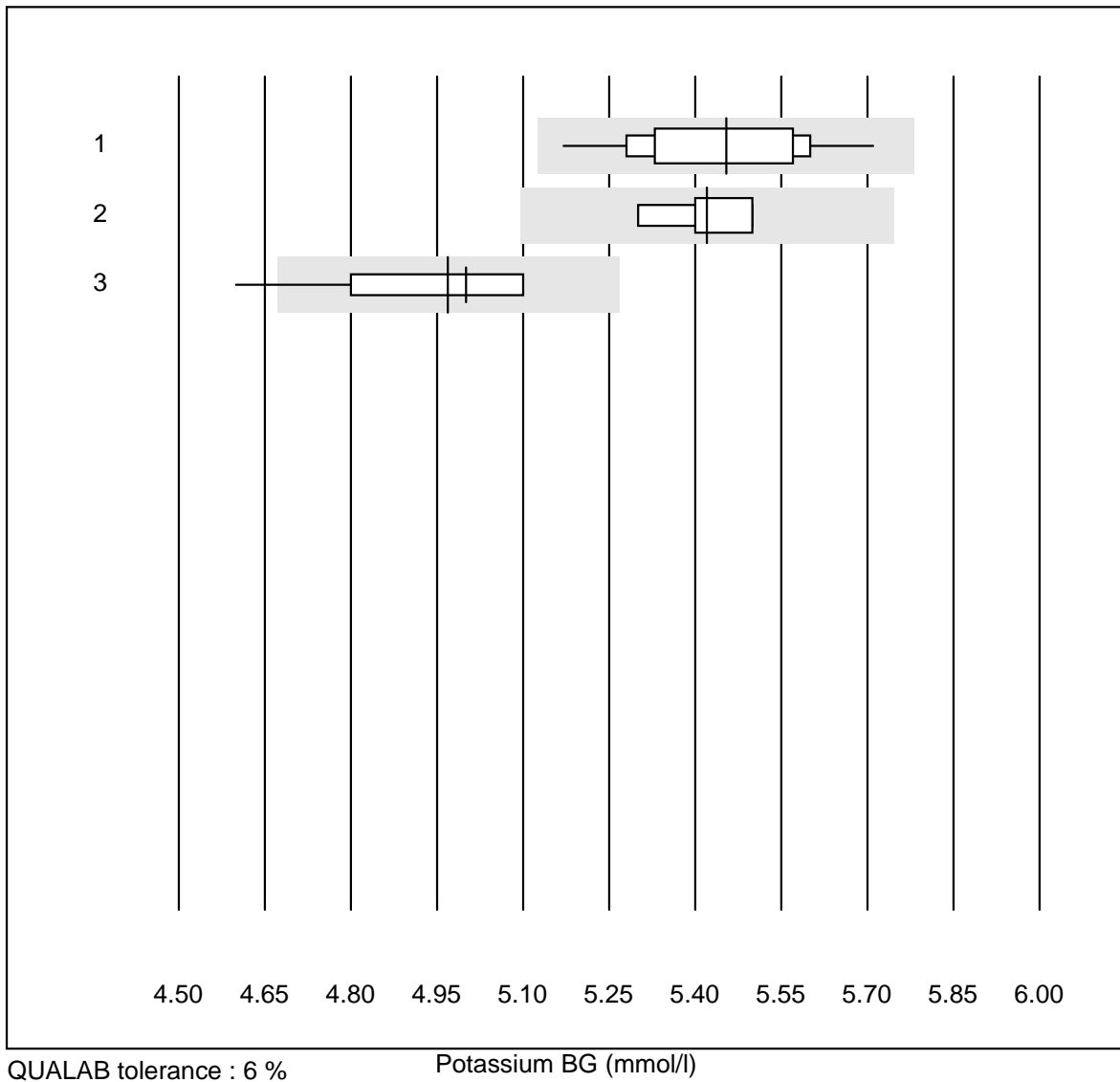


QUALAB tolerance : 10 %

Glucose BG (mmol/l)

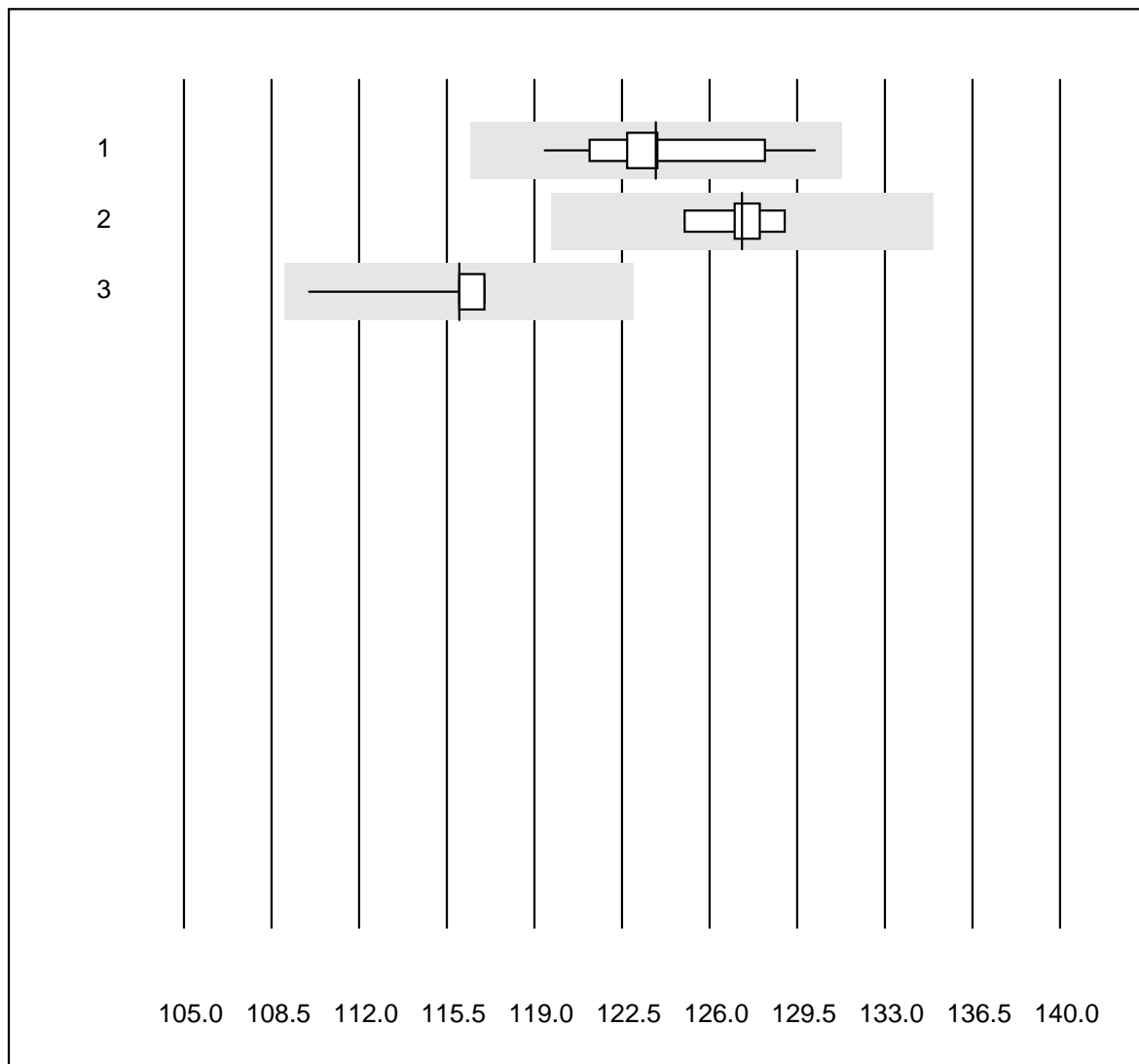
No.Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1 iStat	12	100.0	0.0	0.0	13.8	0.9	e
2 EPOC	9	100.0	0.0	0.0	14.7	3.3	e

Potassium BG



No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Cobas b121/123/221	12	100.0	0.0	0.0	5.5	2.8	e*
2	iStat	20	100.0	0.0	0.0	5.4	1.1	e
3	EPOC	13	92.3	7.7	0.0	5.0	2.8	e*

Sodium BG

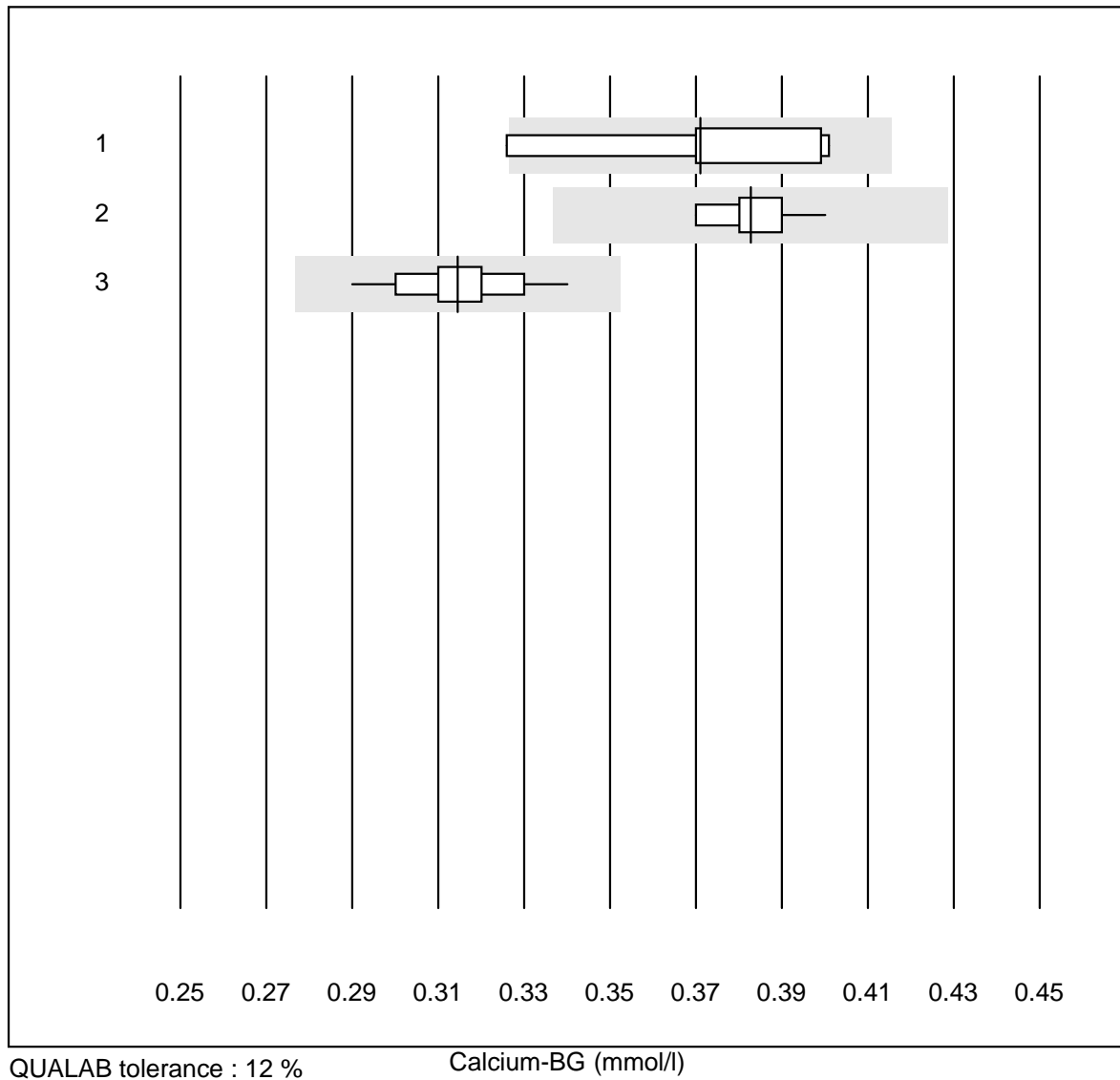


QUALAB tolerance : 6 %

Sodium BG (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Cobas b121/123/221	13	100.0	0.0	0.0	123.9	2.4	e
2	iStat	20	100.0	0.0	0.0	127.3	0.9	e
3	EPOC	12	100.0	0.0	0.0	116.0	1.7	e

Calcium-BG

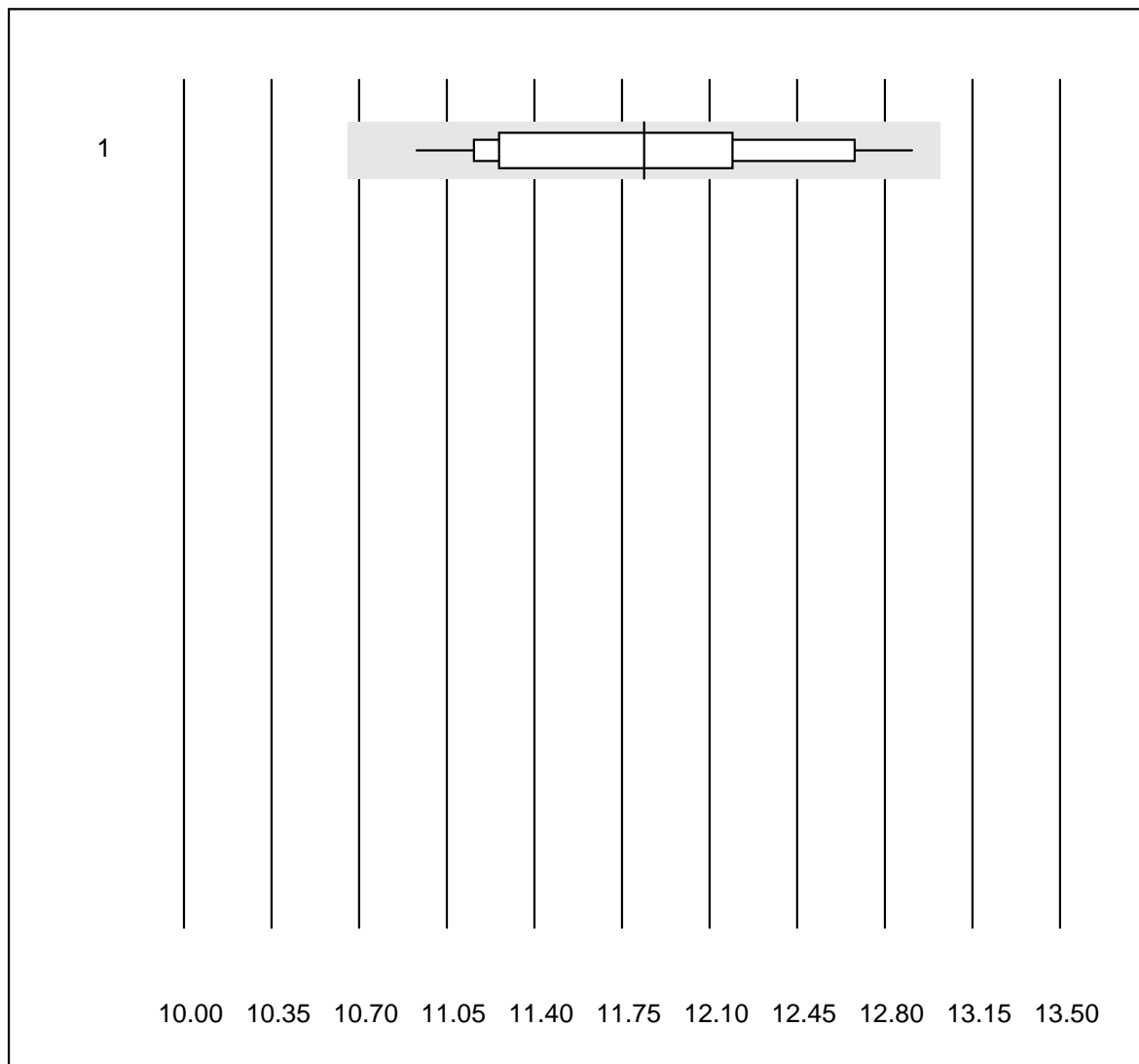


QUALAB tolerance : 12 %

Calcium-BG (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Cobas b121/123/221	10	60.0	10.0	30.0	0.37	6.9	e*
2	iStat	11	100.0	0.0	0.0	0.38	2.4	e
3	EPOC	13	100.0	0.0	0.0	0.31	4.2	e

Lactate-BG

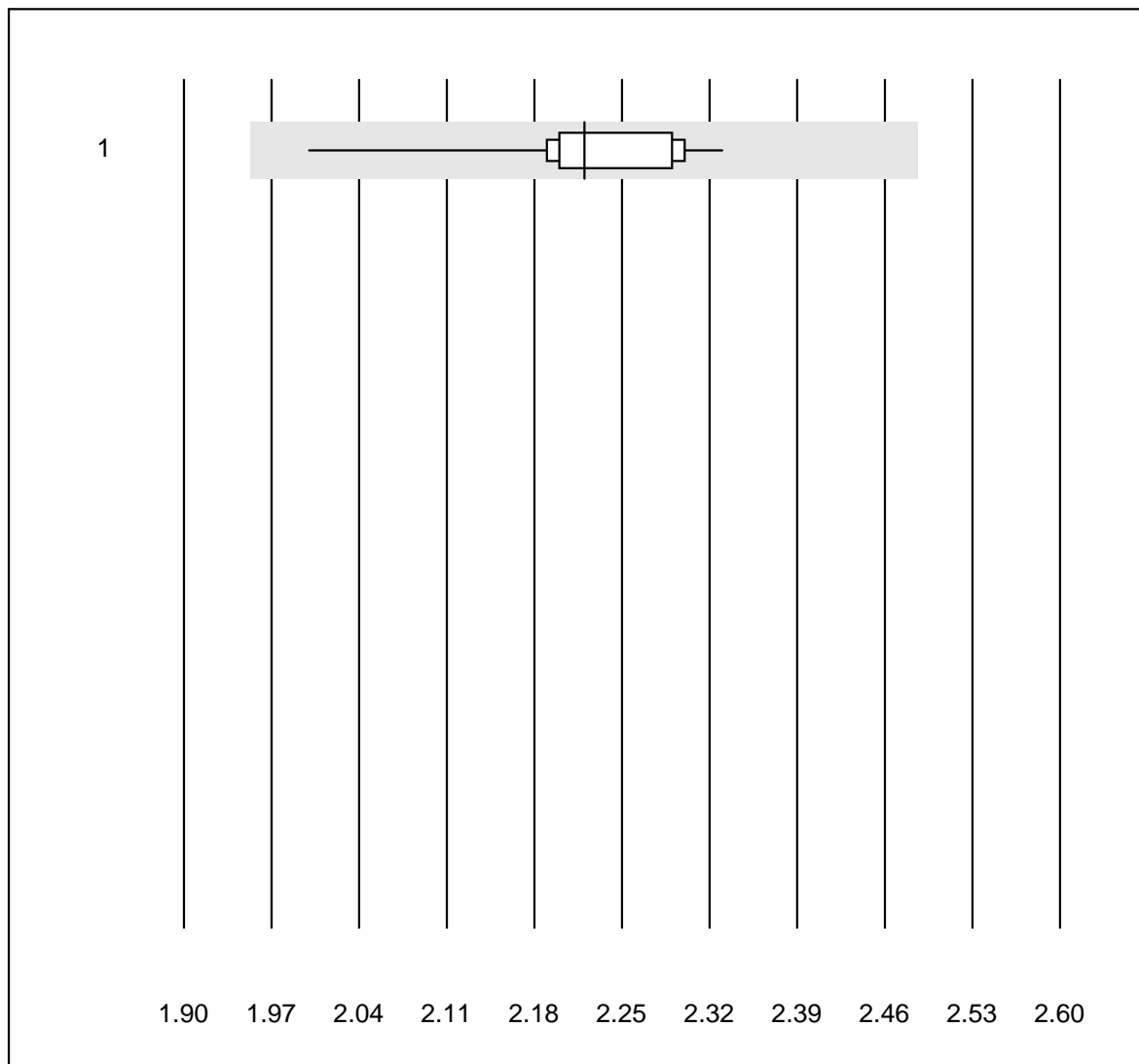


QUALAB tolerance : 10 %

Lactate-BG (mmol/l)

No.Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1 EPOC	13	100.0	0.0	0.0	11.84	5.1	e*

Calcium - Urine

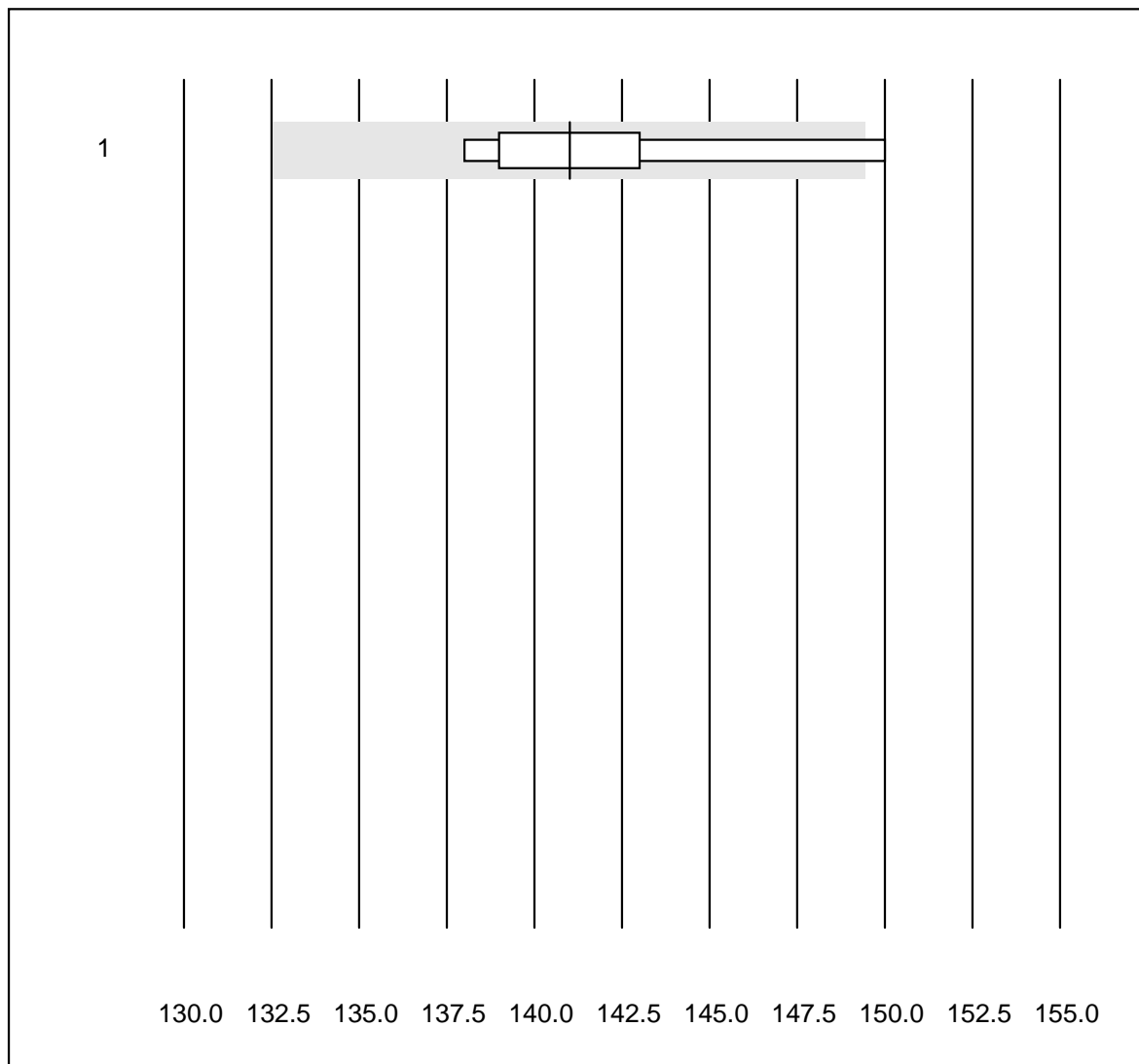


QUALAB tolerance : 12 %

Calcium - Urine (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Type
1	Standard chemistry	11	100.0	0.0	0.0	2.22	3.9	e

Chloride - Urine

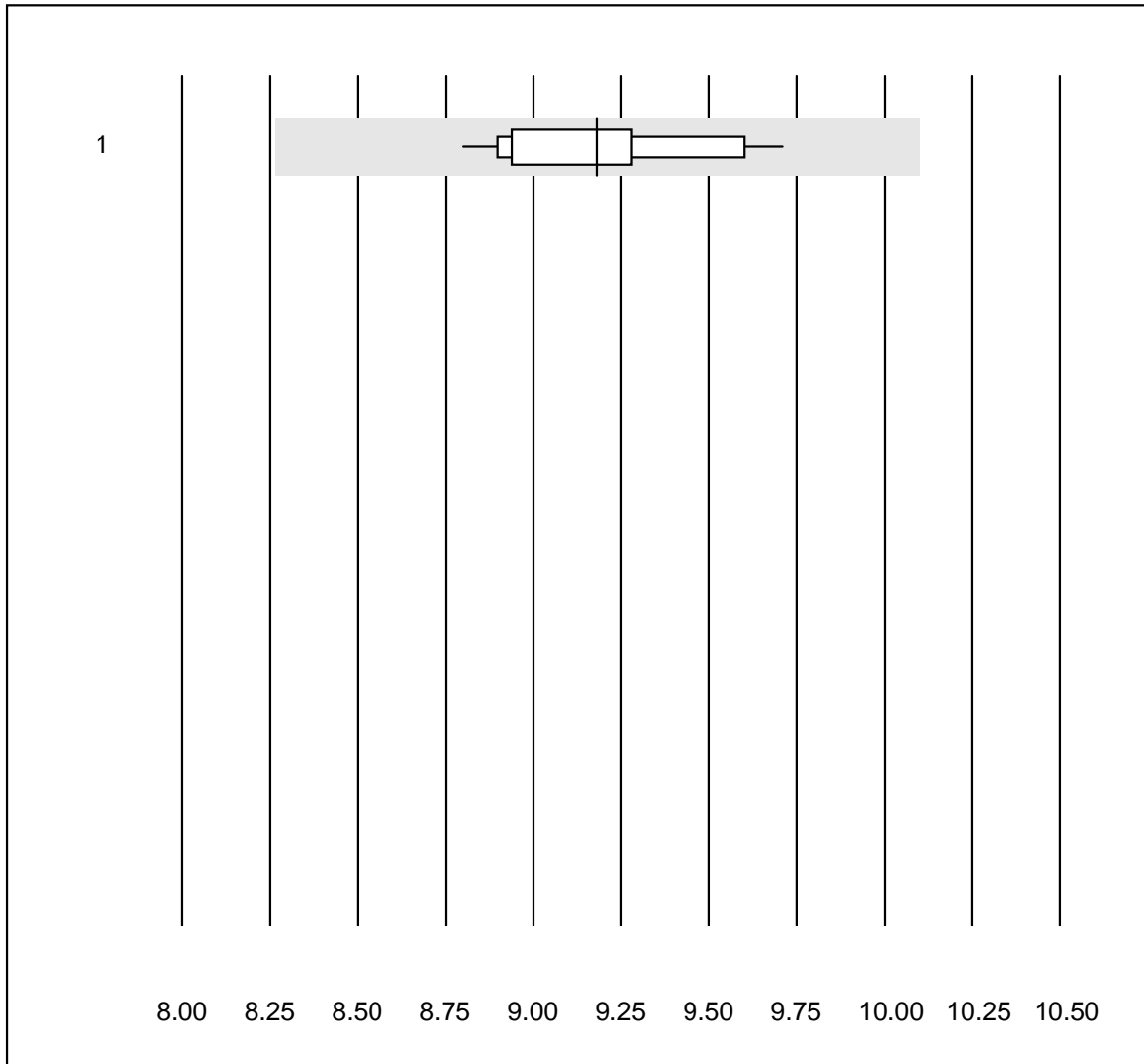


QUALAB tolerance : 6 %

Chloride - Urine (mmol/l)

No.Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1 Standard chemistry	6	83.3	16.7	0.0	141	3.0	e*

Glucose - Urine

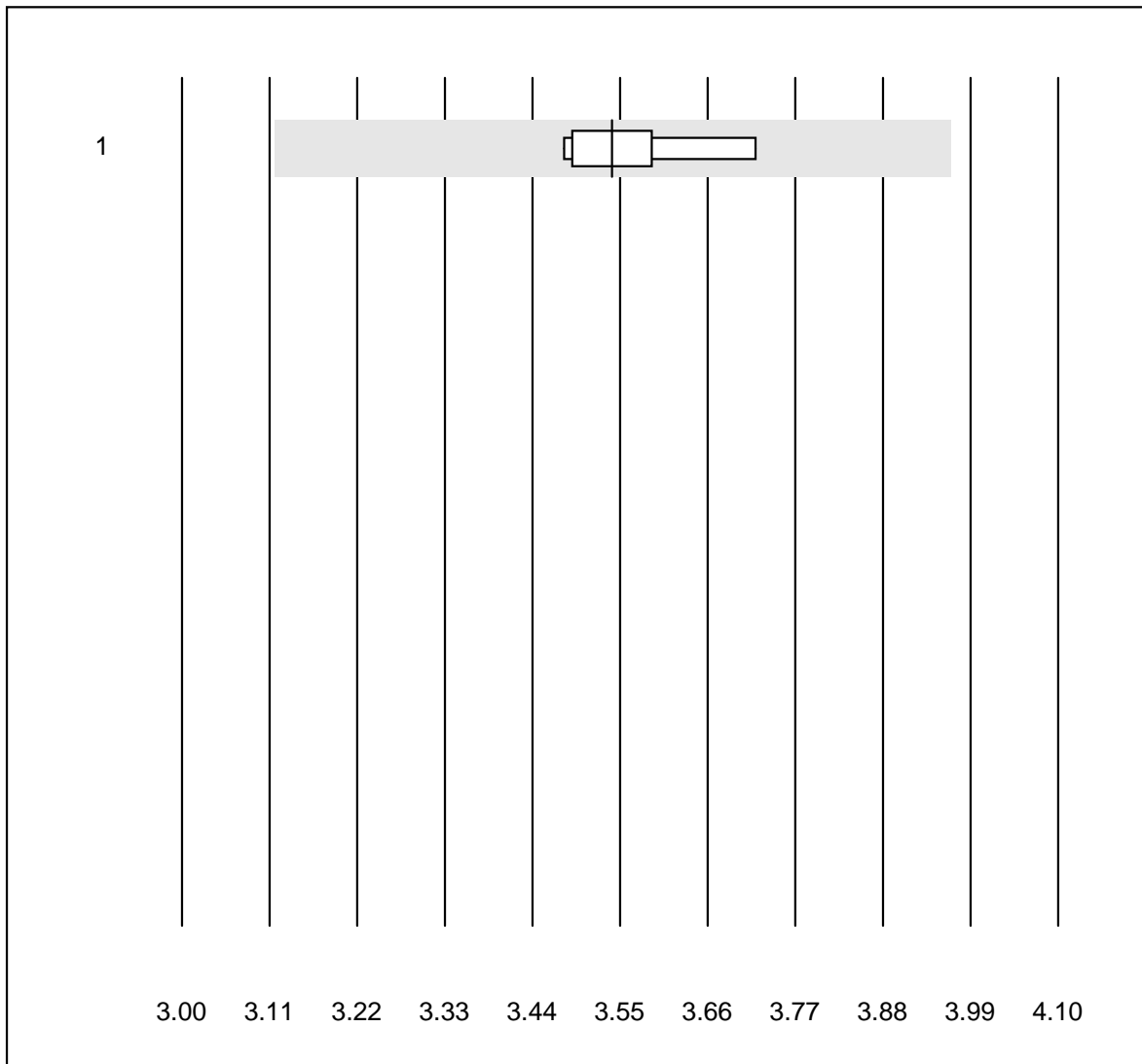


QUALAB tolerance : 10 %

Glucose - Urine (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Standard chemistry	12	100.0	0.0	0.0	9.2	2.9	e

Magnesium - Urine

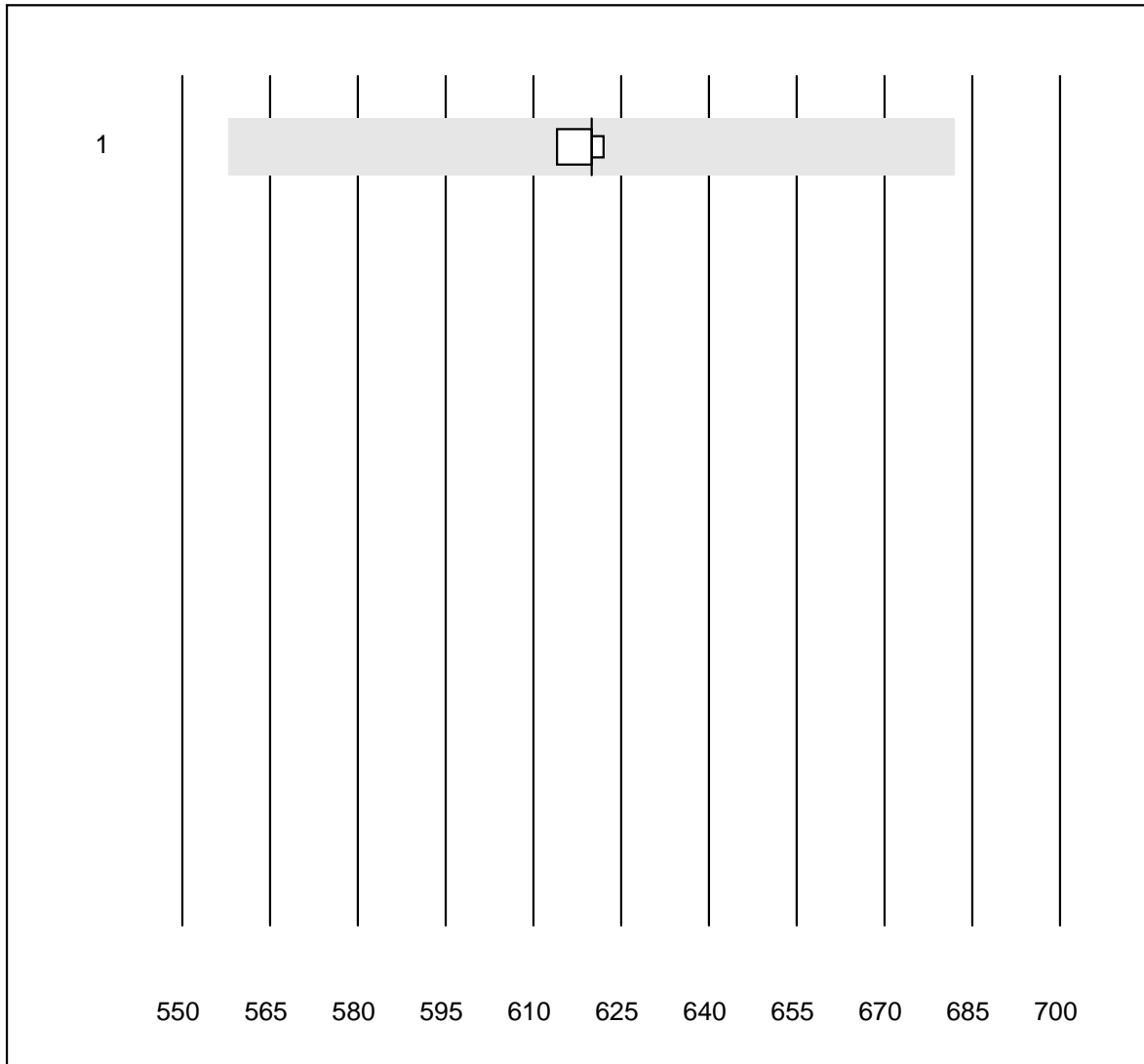


QUALAB tolerance : 12 %

Magnesium - Urine (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Standard chemistry	6	100.0	0.0	0.0	3.5	2.6	e

Osmolality - Urine

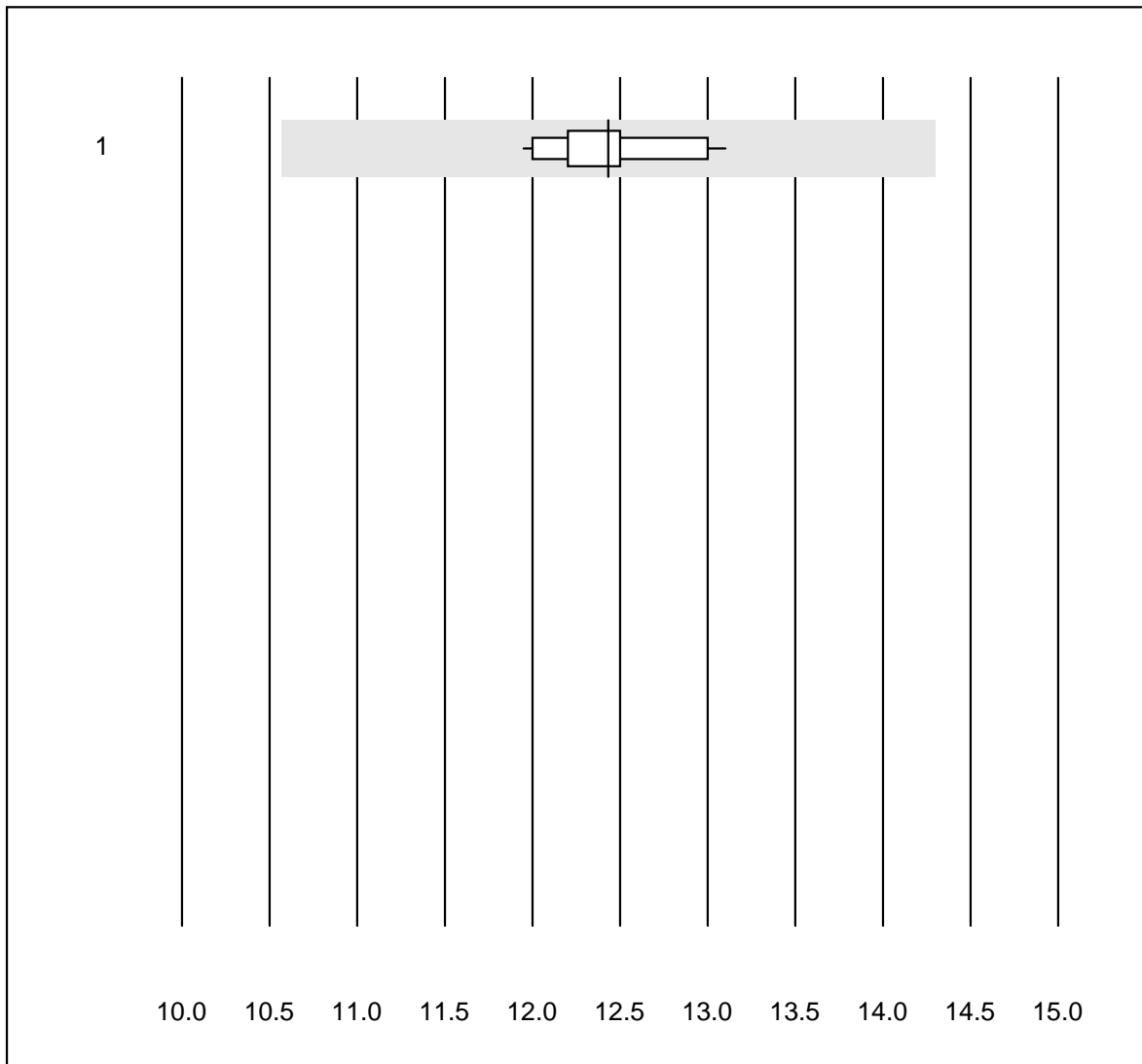


QUALAB tolerance : 10 %

Osmolality - Urine (mosm/kg)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Type
1	Cryoscopy	5	80.0	0.0	20.0	620	0.6	e

Phosphate - Urine

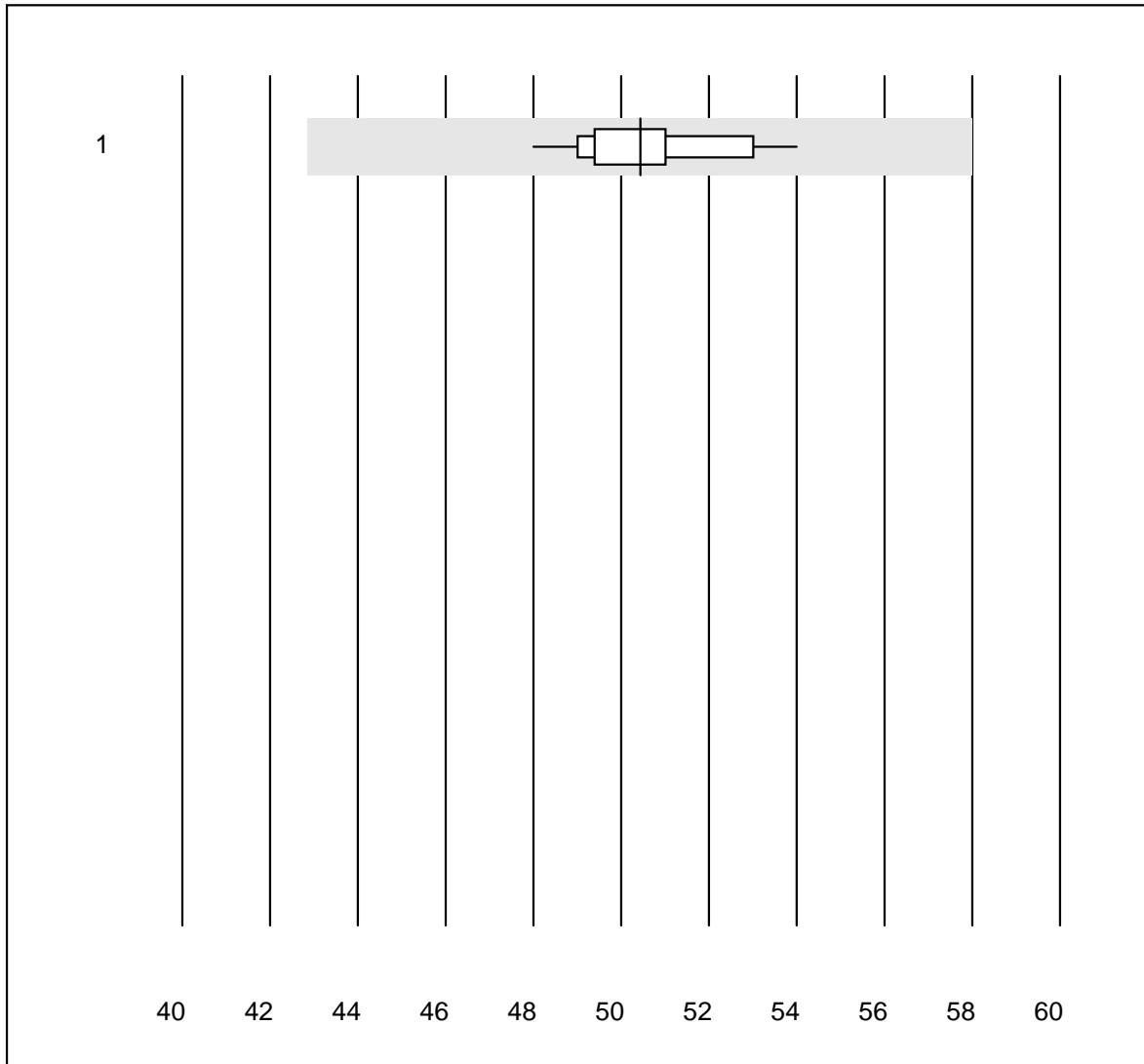


QUALAB tolerance : 15 %

Phosphate - Urine (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Standard chemistry	11	100.0	0.0	0.0	12.4	2.9	e

Potassium - Urine

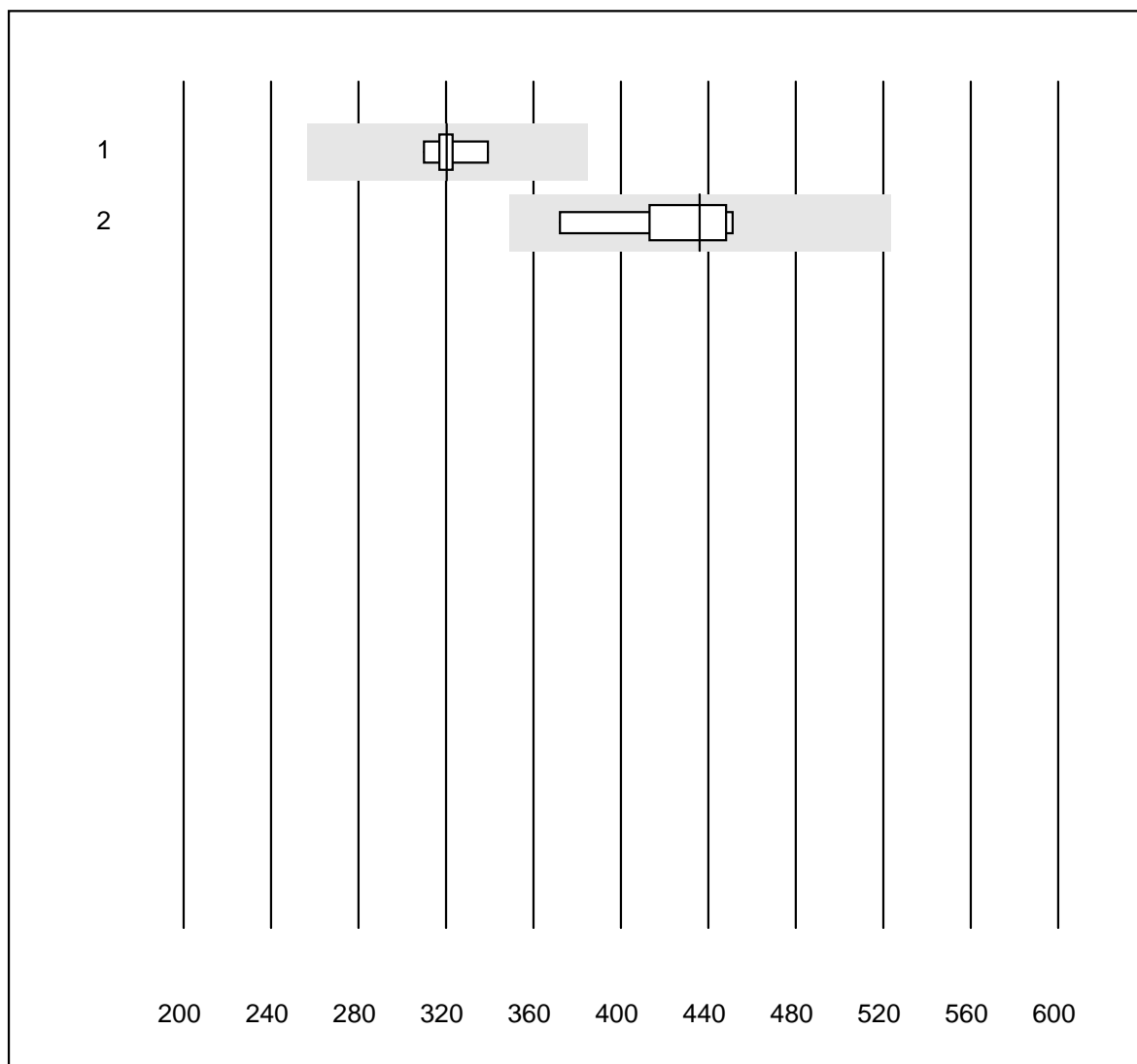


QUALAB tolerance : 15 %

Potassium - Urine (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	all Participants	16	100.0	0.0	0.0	50	3.1	e

total Protein - Urine

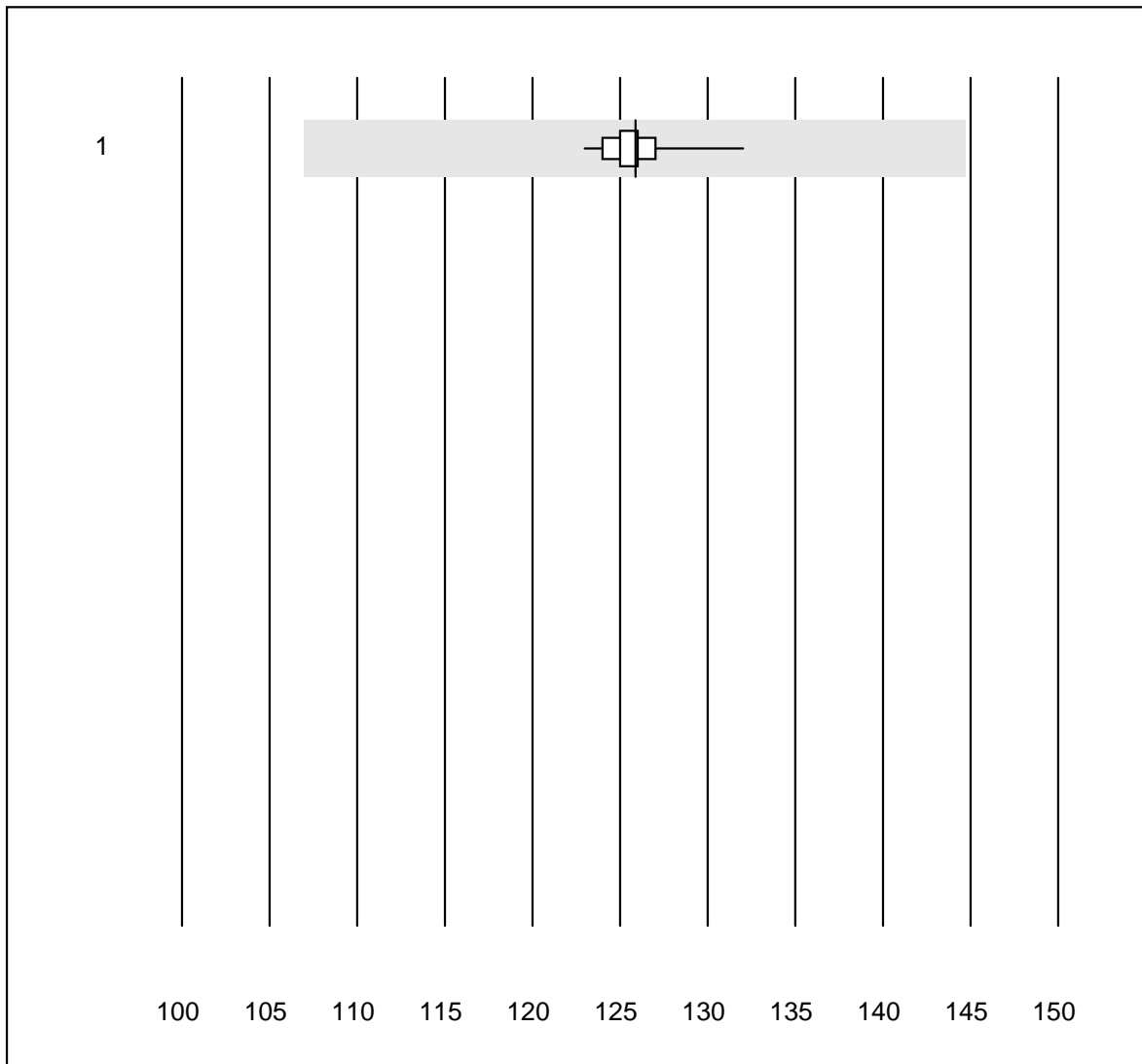


QUALAB tolerance : 20 %

total Protein - Urine (mg/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Cobas/Roche	8	100.0	0.0	0.0	320.5	2.7	e
2	Other methods	5	100.0	0.0	0.0	436.0	7.7	e*

Sodium - Urine

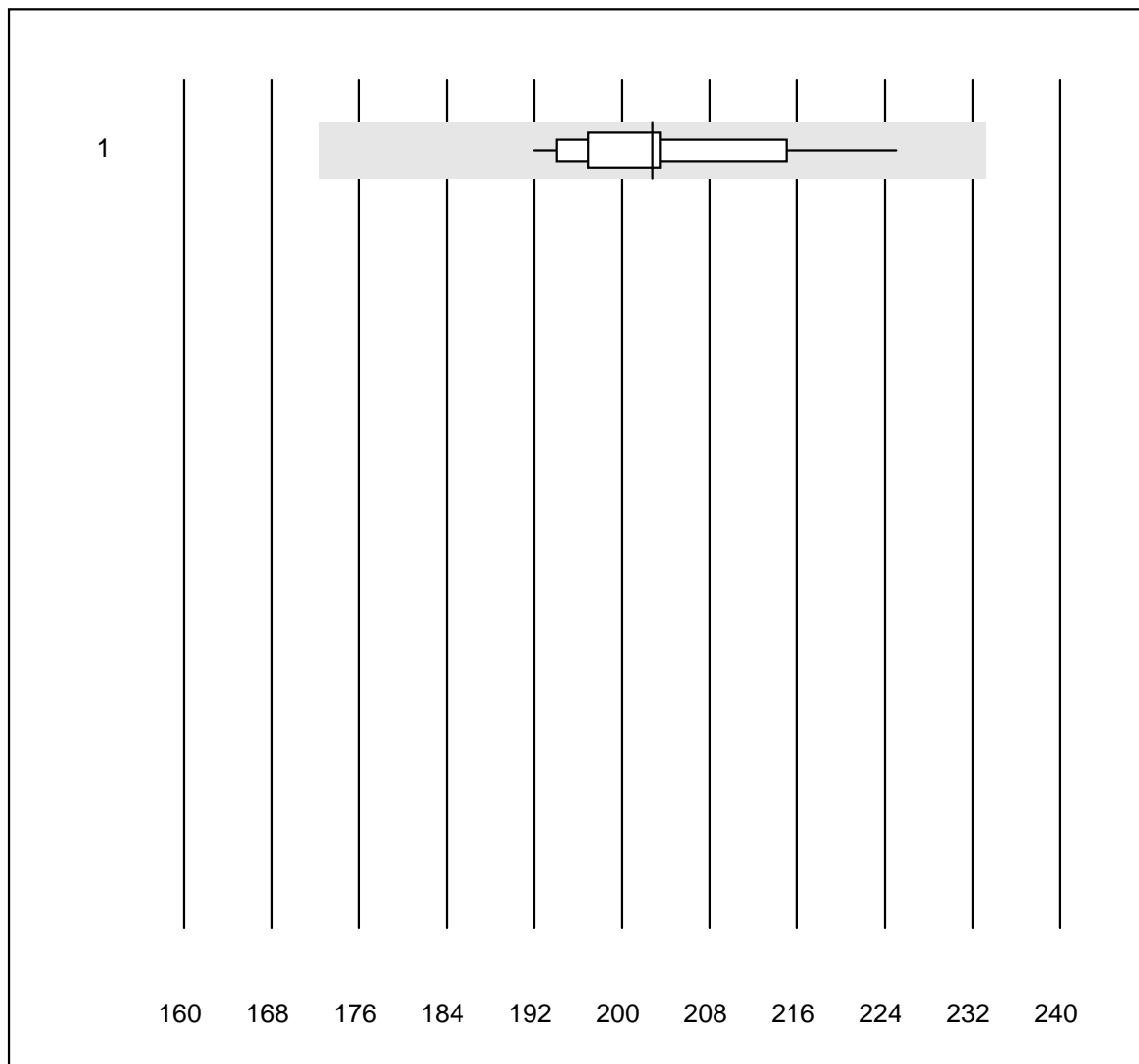


QUALAB tolerance : 15 %

Sodium - Urine (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Type
1	all Participants	16	100.0	0.0	0.0	126	1.5	e

Urea - Urine

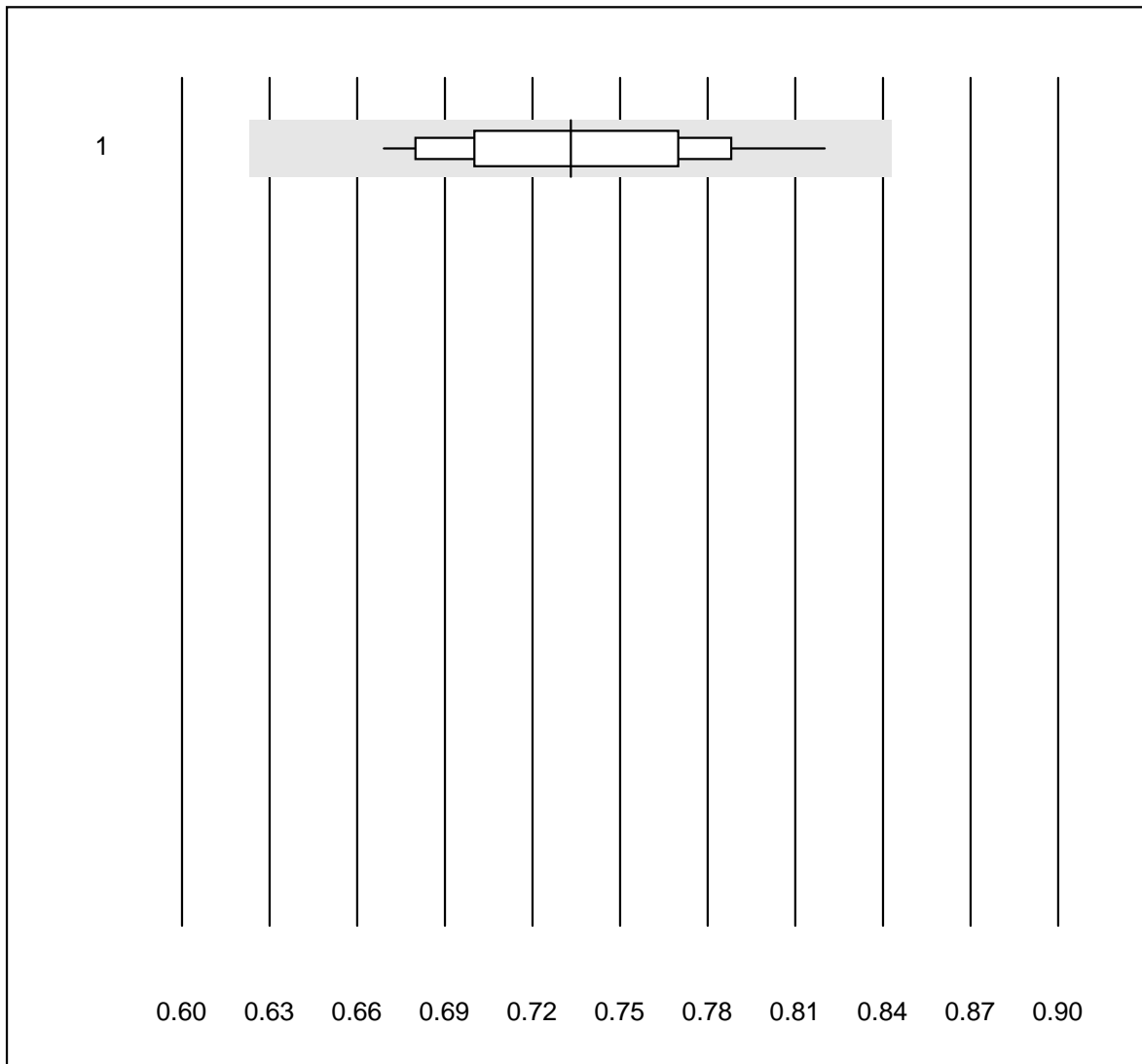


QUALAB tolerance : 15 %

Urea - Urine (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Standard chemistry	12	100.0	0.0	0.0	203	4.7	e

Uric Acid - Urine

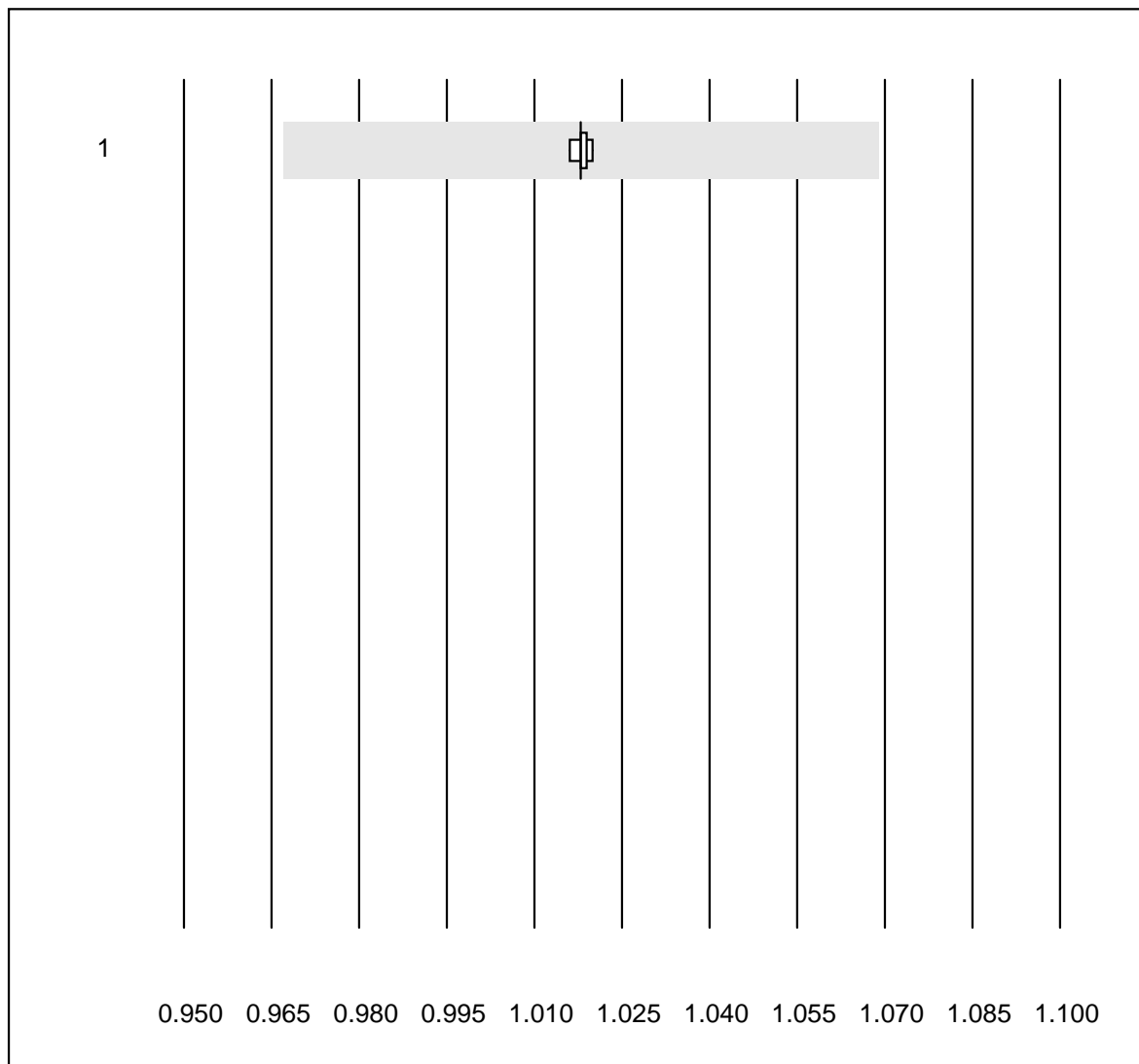


QUALAB tolerance : 15 %

Uric Acid - Urine (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Standard chemistry	11	100.0	0.0	0.0	0.73	6.5	e*

Specific Gravity - Urine



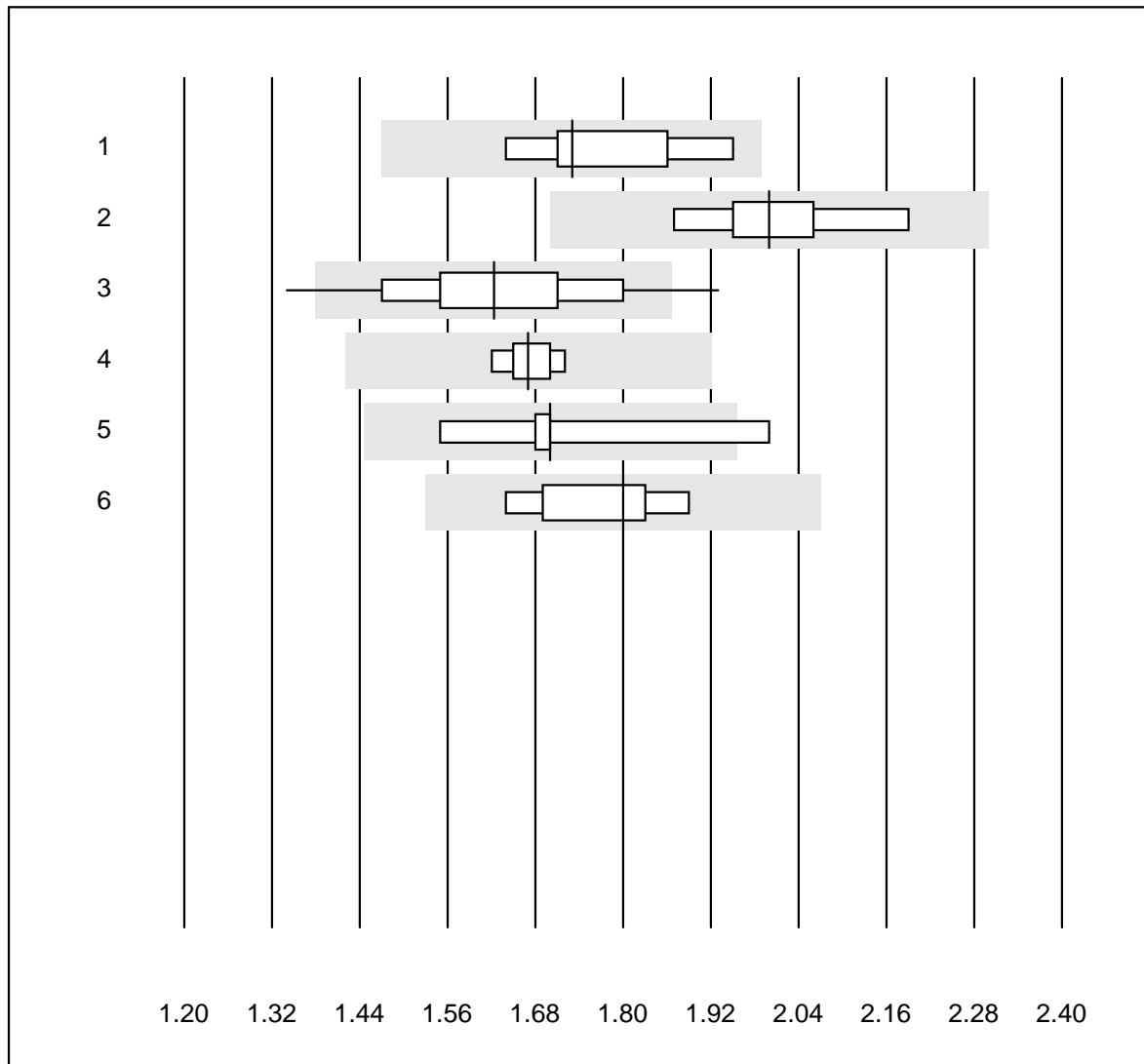
QUALAB tolerance : 5 %

Specific Gravity - Urine ()

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Type
1	Refractometer	6	100.0	0.0	0.0	1.018	0.1	e

G1 Coagulation INR

INR

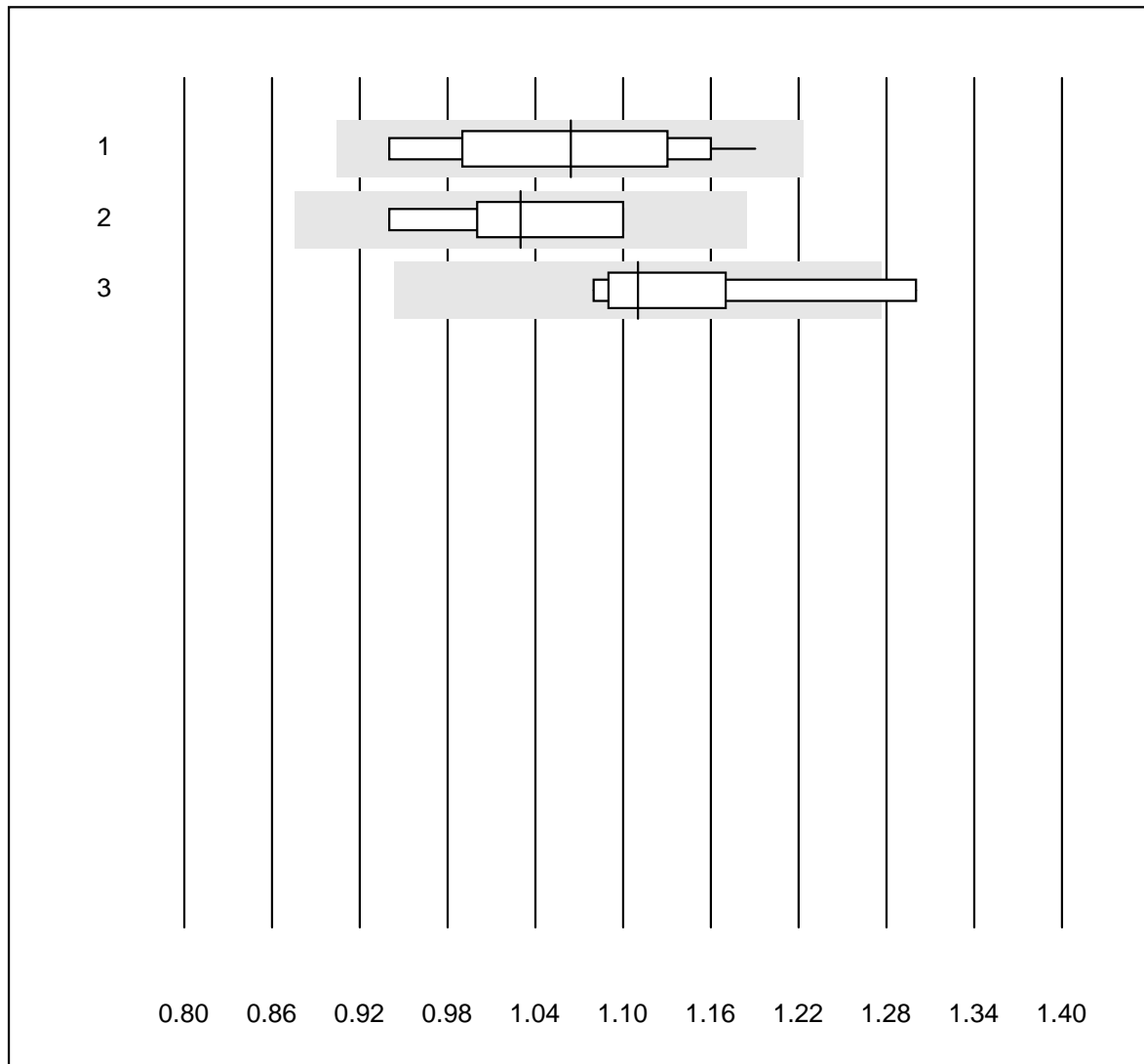


QUALAB tolerance : 15 %

INR ()

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Thromborel S	5	100.0	0.0	0.0	1.73	7.0	e*
2	Neoplastin Plus	5	100.0	0.0	0.0	2.00	6.0	e*
3	Innovin	18	88.9	11.1	0.0	1.62	8.5	e*
4	Recombiplastin IL	5	100.0	0.0	0.0	1.67	2.4	e
5	Other methods	5	80.0	20.0	0.0	1.70	9.6	e*
6	Neoplastin R	8	100.0	0.0	0.0	1.80	4.7	e

Fibrinogen OA

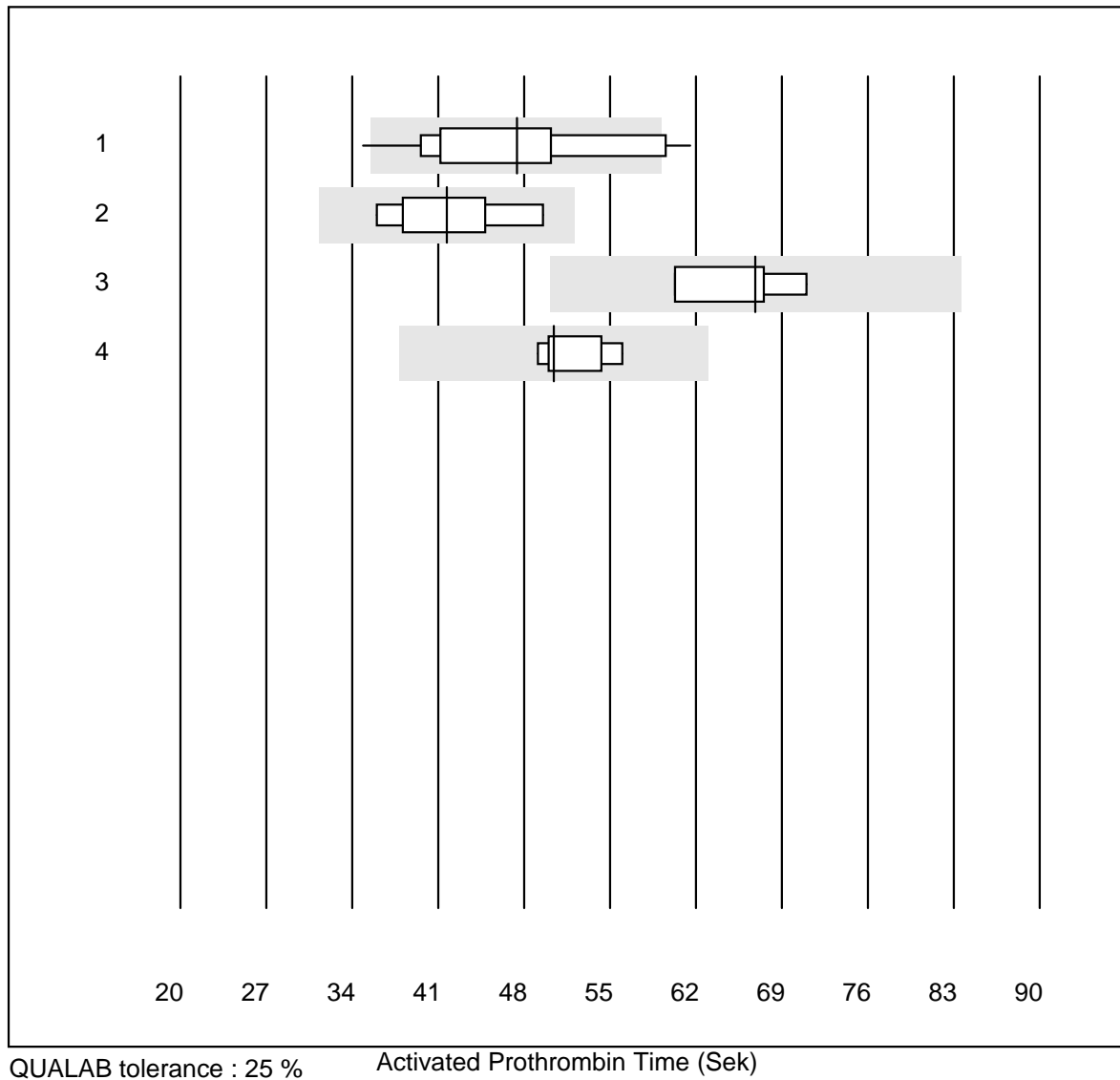


QUALAB tolerance : 15 %

Fibrinogen OA (g/l)

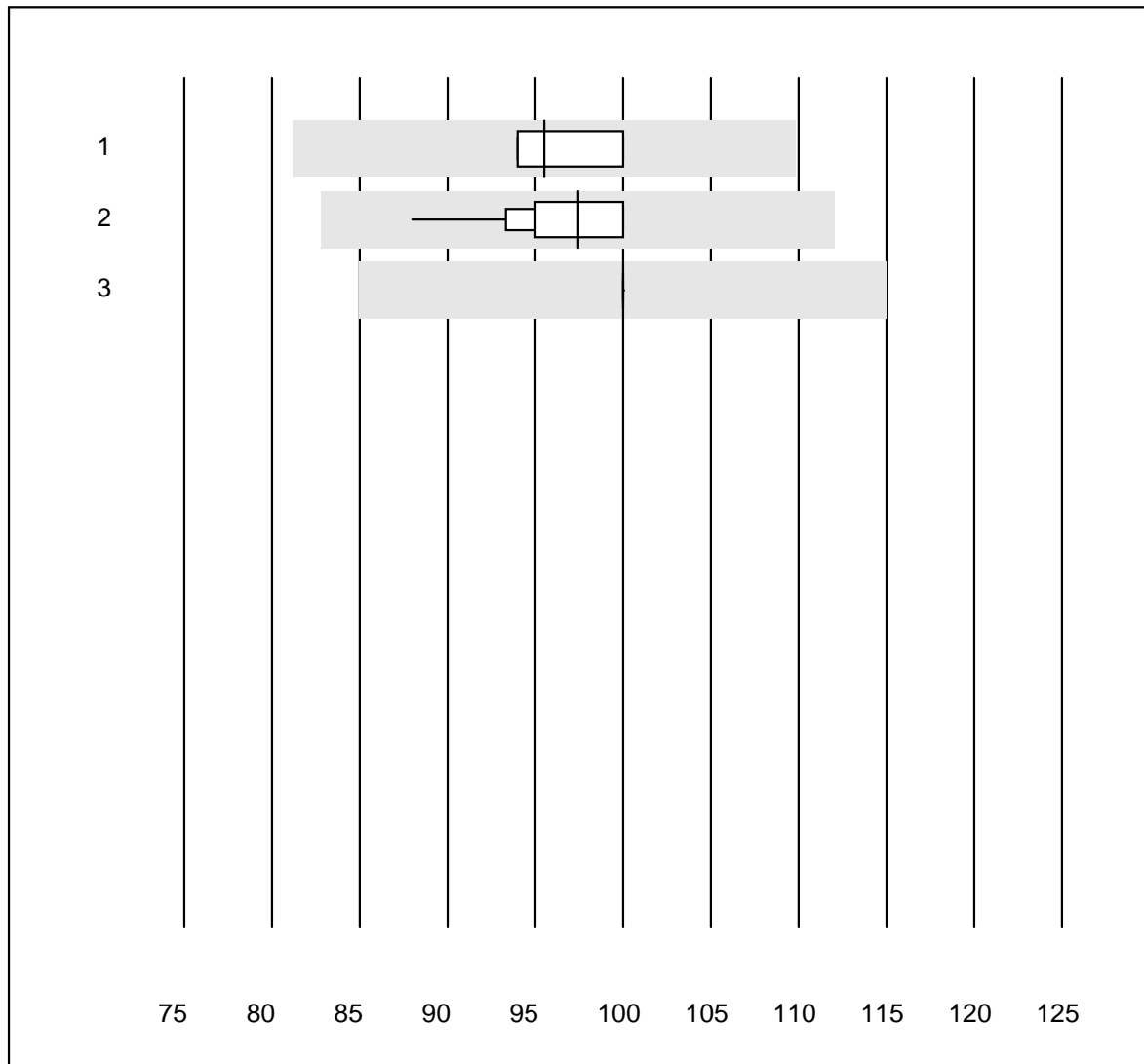
No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Other methods	11	90.9	0.0	9.1	1.06	7.8	e*
2	Siemens Thrombin	7	100.0	0.0	0.0	1.03	6.1	e*
3	Stago/STA	7	85.7	14.3	0.0	1.11	6.7	e*

Activated Prothrombin Time



No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Other methods	16	81.2	18.8	0.0	47.4	15.8	e*
2	Actin FS	10	90.0	0.0	10.0	41.7	11.0	e*
3	Pathromtin SL	4	100.0	0.0	0.0	66.9	6.7	e*
4	Stago/STA	5	100.0	0.0	0.0	50.4	5.8	e

Prothrombin time NT

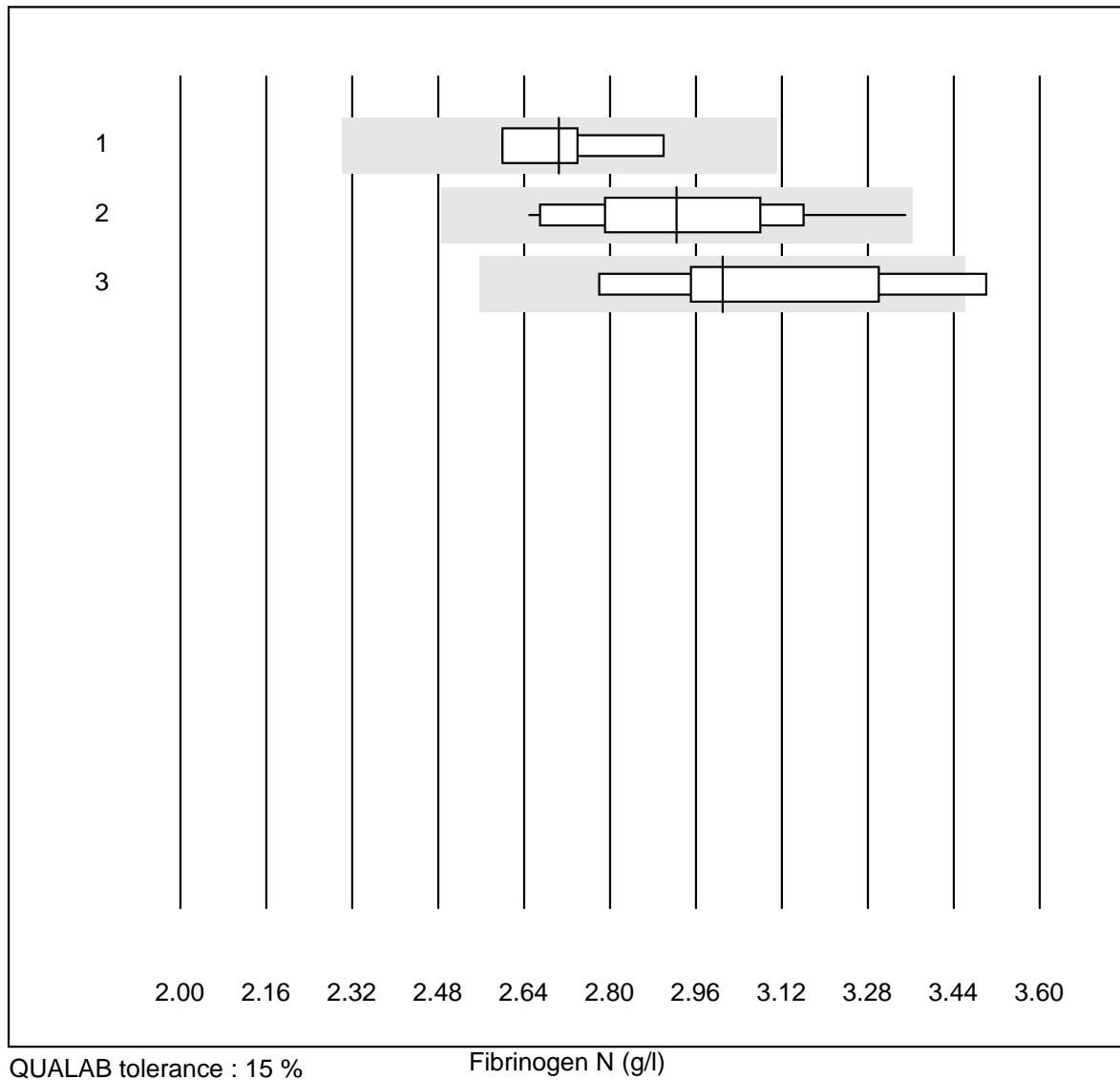


QUALAB tolerance : 15 %

Prothrombin time NT (%)

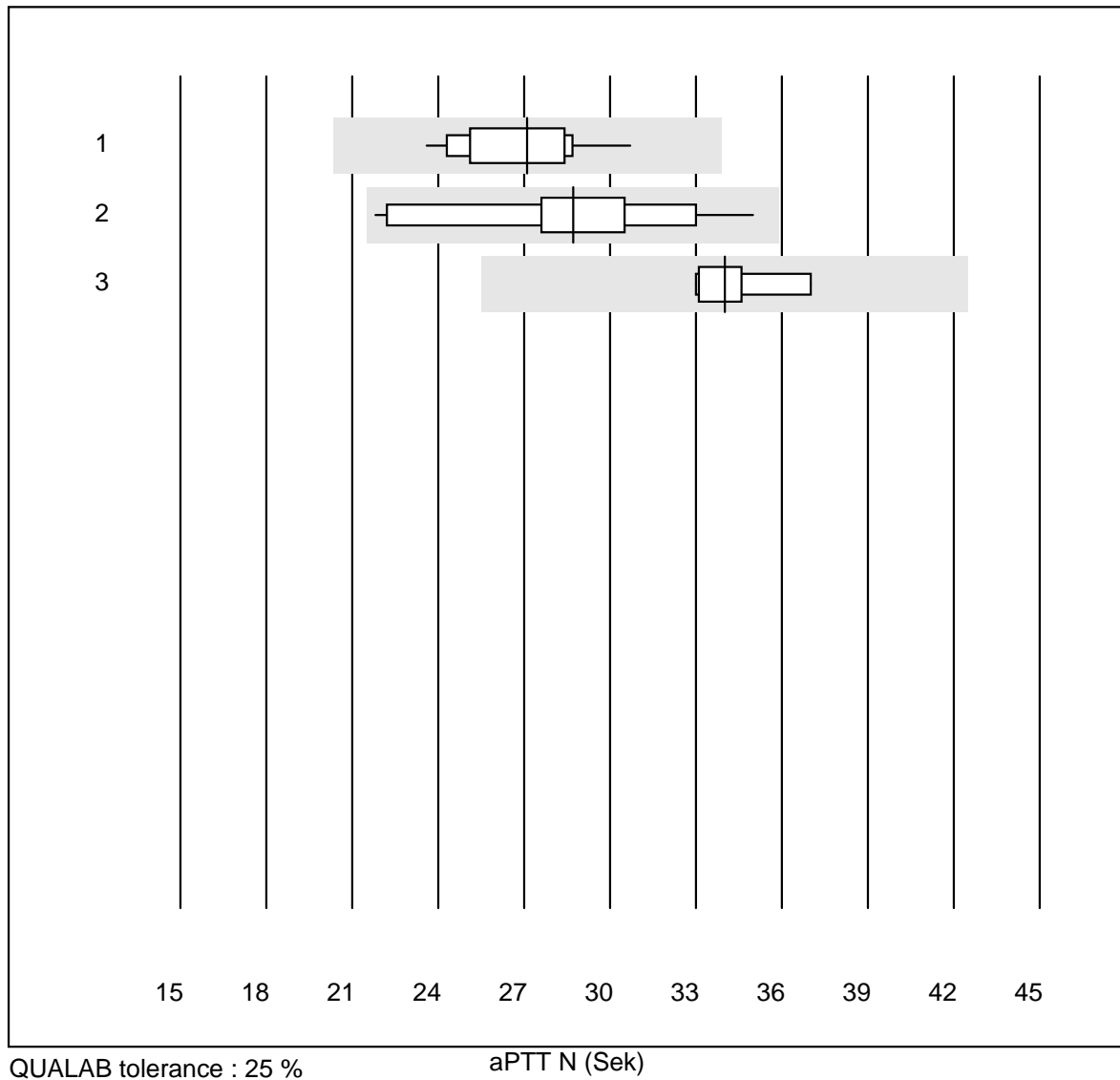
No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Neoplastin R	6	100.0	0.0	0.0	96	3.1	e
2	Innovin	14	100.0	0.0	0.0	97	3.7	e
3	Recombiplastin IL	6	100.0	0.0	0.0	100	0.0	e

Fibrinogen N



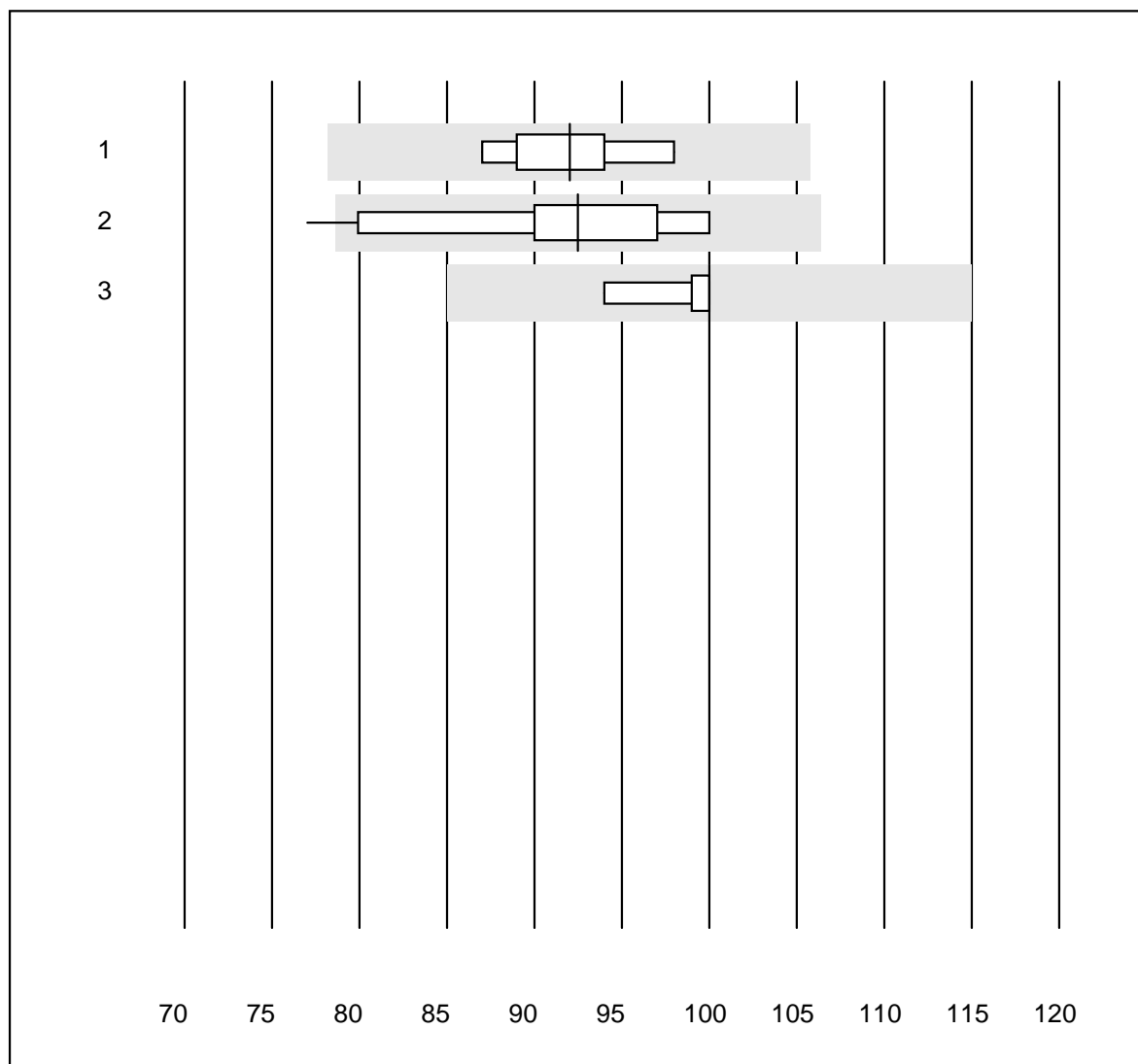
No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Siemens Thrombin	8	100.0	0.0	0.0	2.71	3.6	e
2	Other methods	14	92.9	0.0	7.1	2.92	7.2	e*
3	Stago/STA	7	85.7	14.3	0.0	3.01	7.9	e*

aPTT N



No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Actin FS	11	100.0	0.0	0.0	27.1	7.9	e
2	Other methods	14	100.0	0.0	0.0	28.7	12.6	e*
3	Stago/STA	5	100.0	0.0	0.0	34.0	4.7	e

Prothrombin time HT

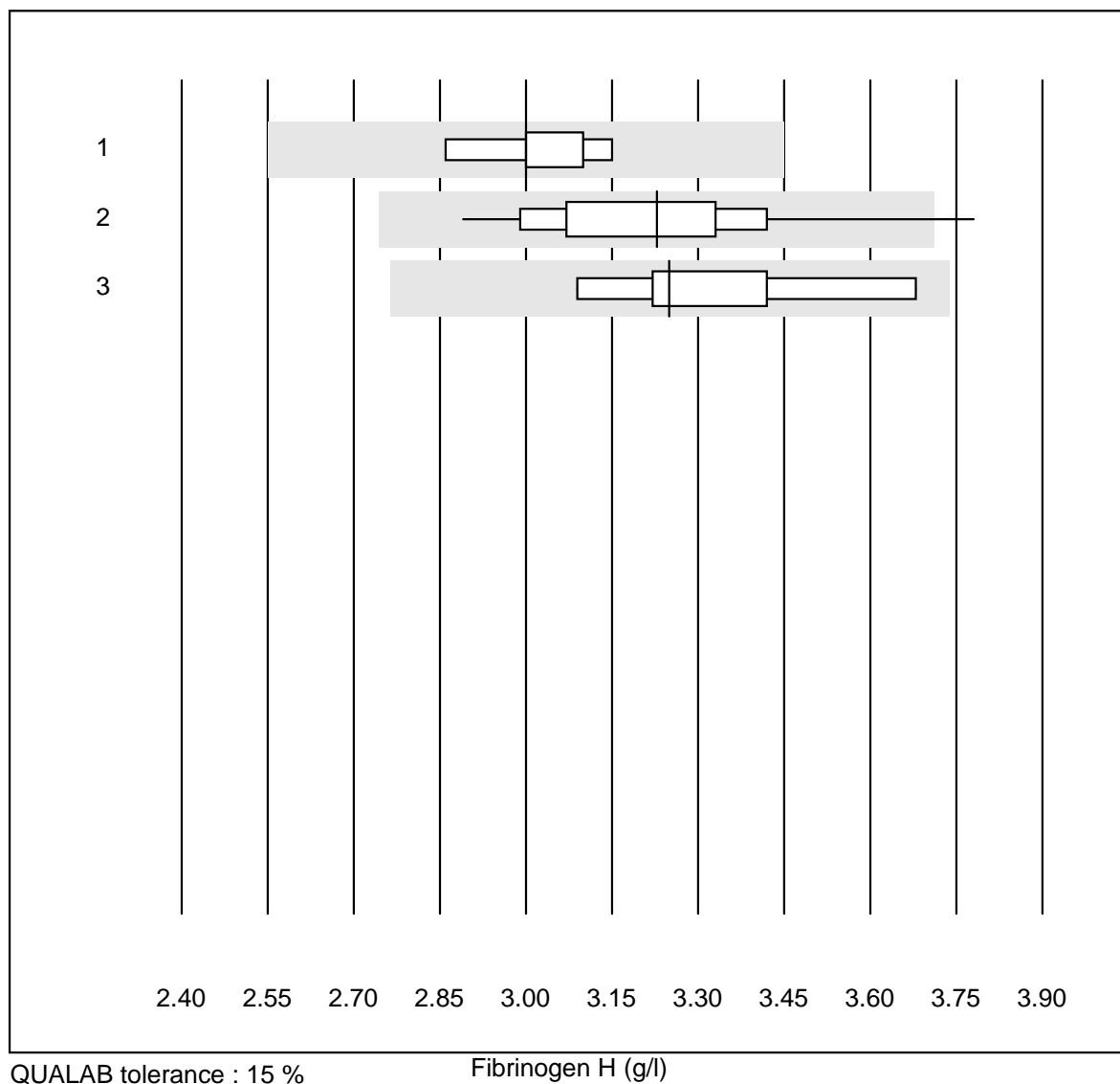


QUALAB tolerance : 15 %

Prothrombin time HT (%)

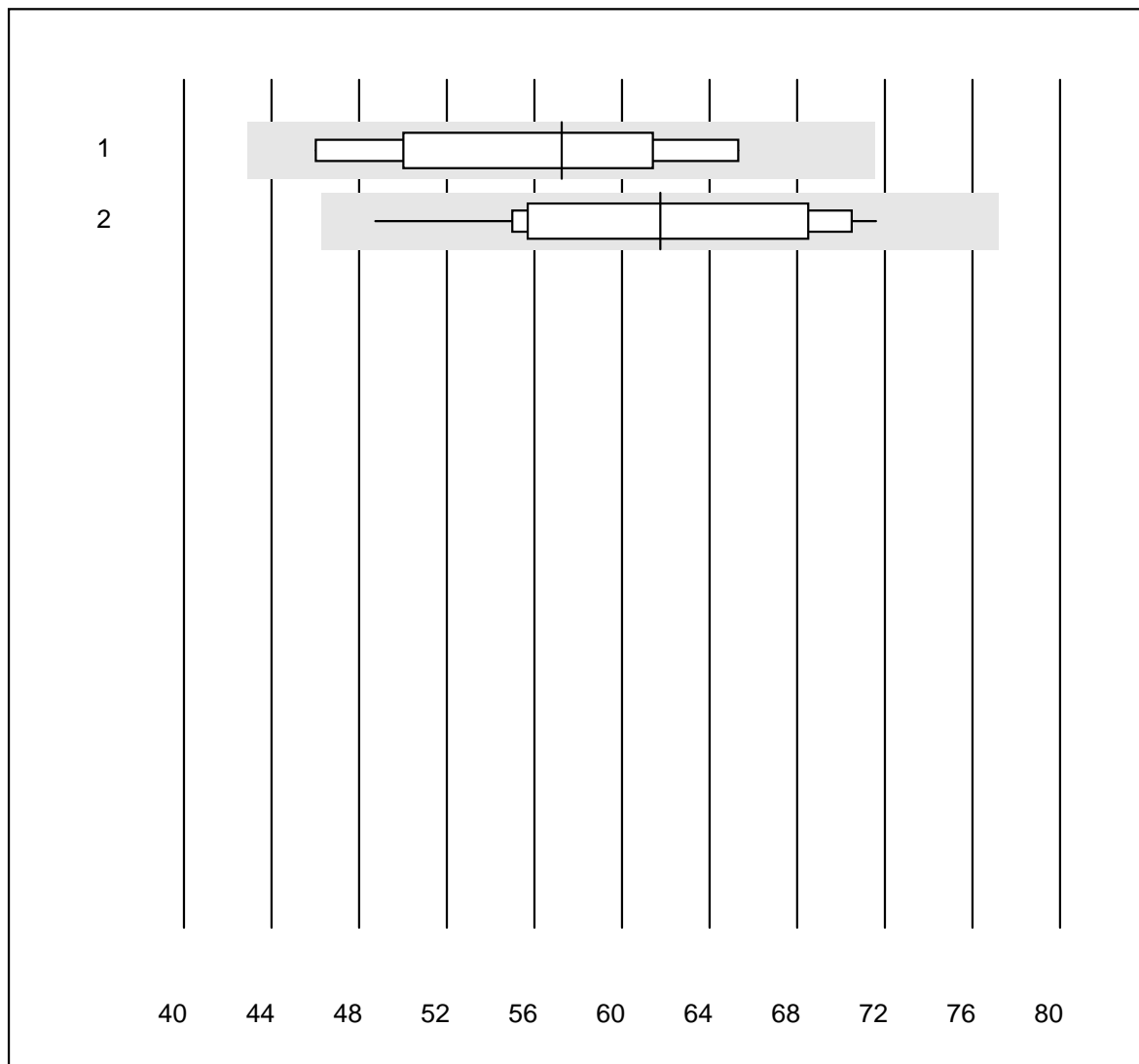
No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Neoplastin R	5	100.0	0.0	0.0	92	4.7	e*
2	Innovin	12	91.7	8.3	0.0	92	8.1	e*
3	Recombiplastin IL	6	100.0	0.0	0.0	100	2.4	e

Fibrinogen H



No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Siemens Thrombin	7	100.0	0.0	0.0	3.00	3.2	e
2	Other methods	13	92.3	7.7	0.0	3.23	7.3	e*
3	Stago/STA	5	100.0	0.0	0.0	3.25	6.8	e*

aPTT H

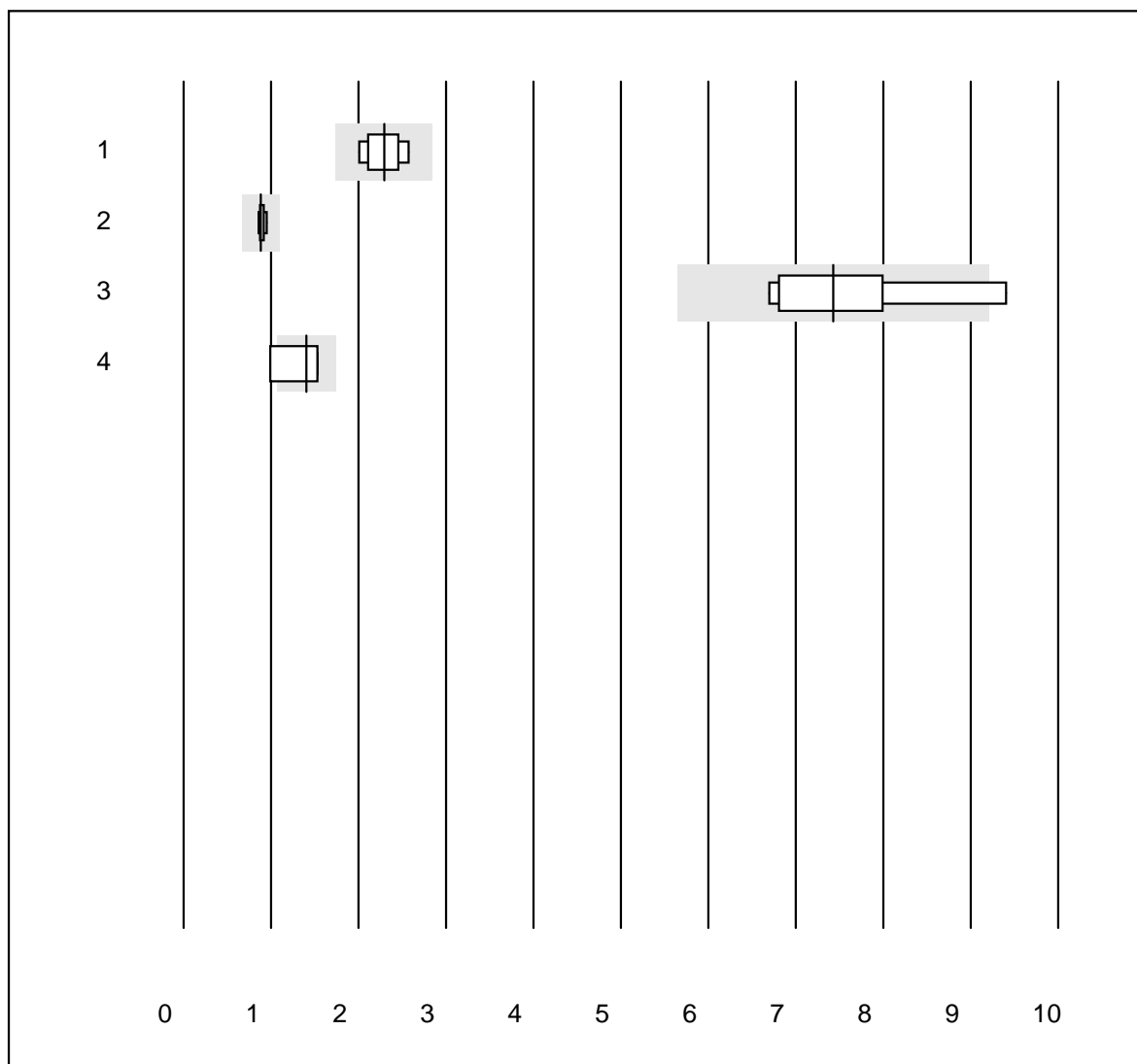


QUALAB tolerance : 25 %

aPTT H (Sek)

No.Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1 Actin FS	8	100.0	0.0	0.0	57.3	11.8	e*
2 Other methods	11	100.0	0.0	0.0	61.7	11.7	e*

Troponin I

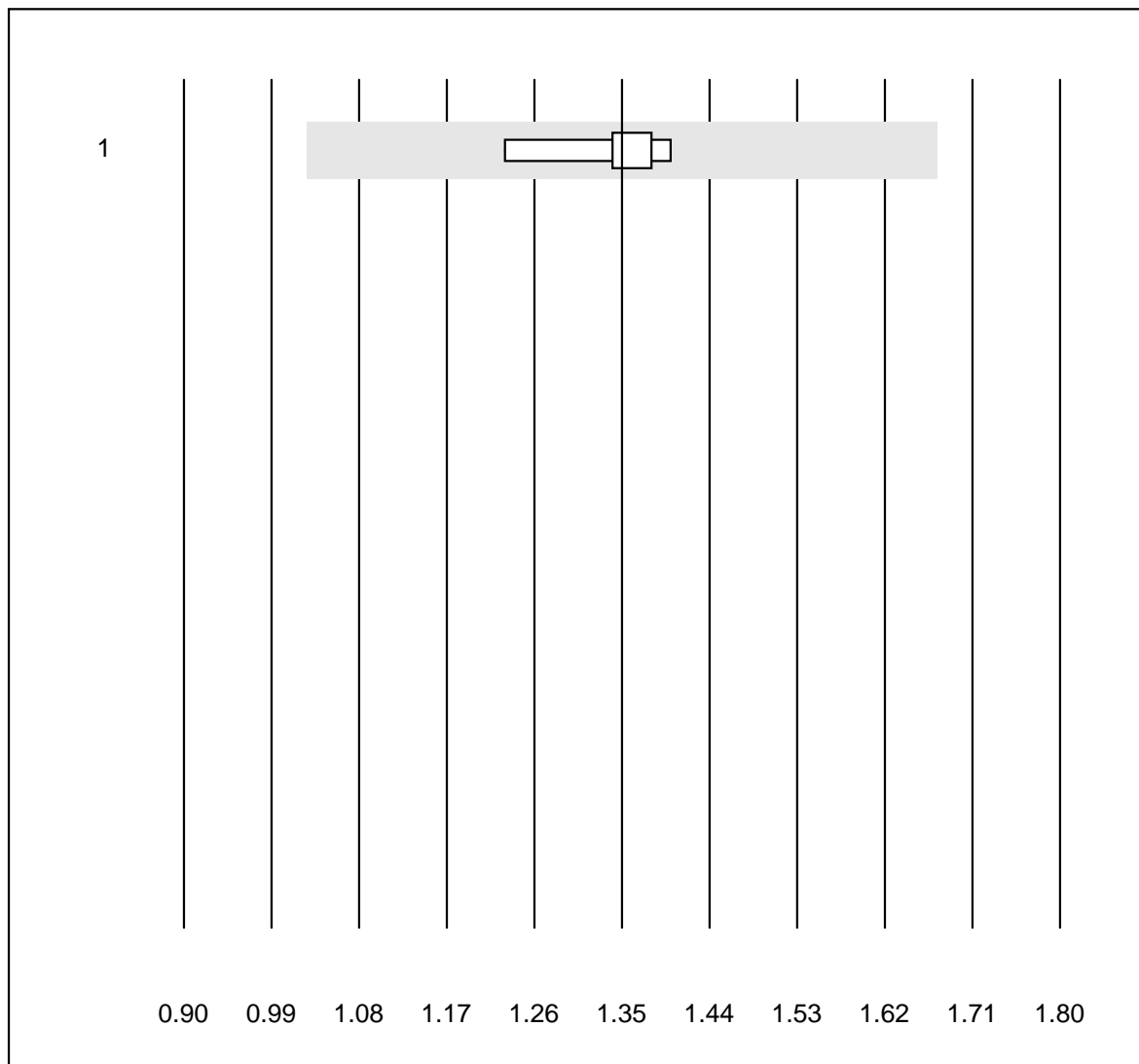


QUALAB tolerance : 24 %

Troponin I (µg/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Vidas	7	100.0	0.0	0.0	2.3	8.7	e*
2	AQT 90 FLEX	6	100.0	0.0	0.0	0.9	3.8	e
3	ADVIA Centaur XP/CP	6	83.3	16.7	0.0	7.4	13.5	e*
4	Eurolyser	4	50.0	25.0	25.0	1.4	21.3	e*

Troponin T

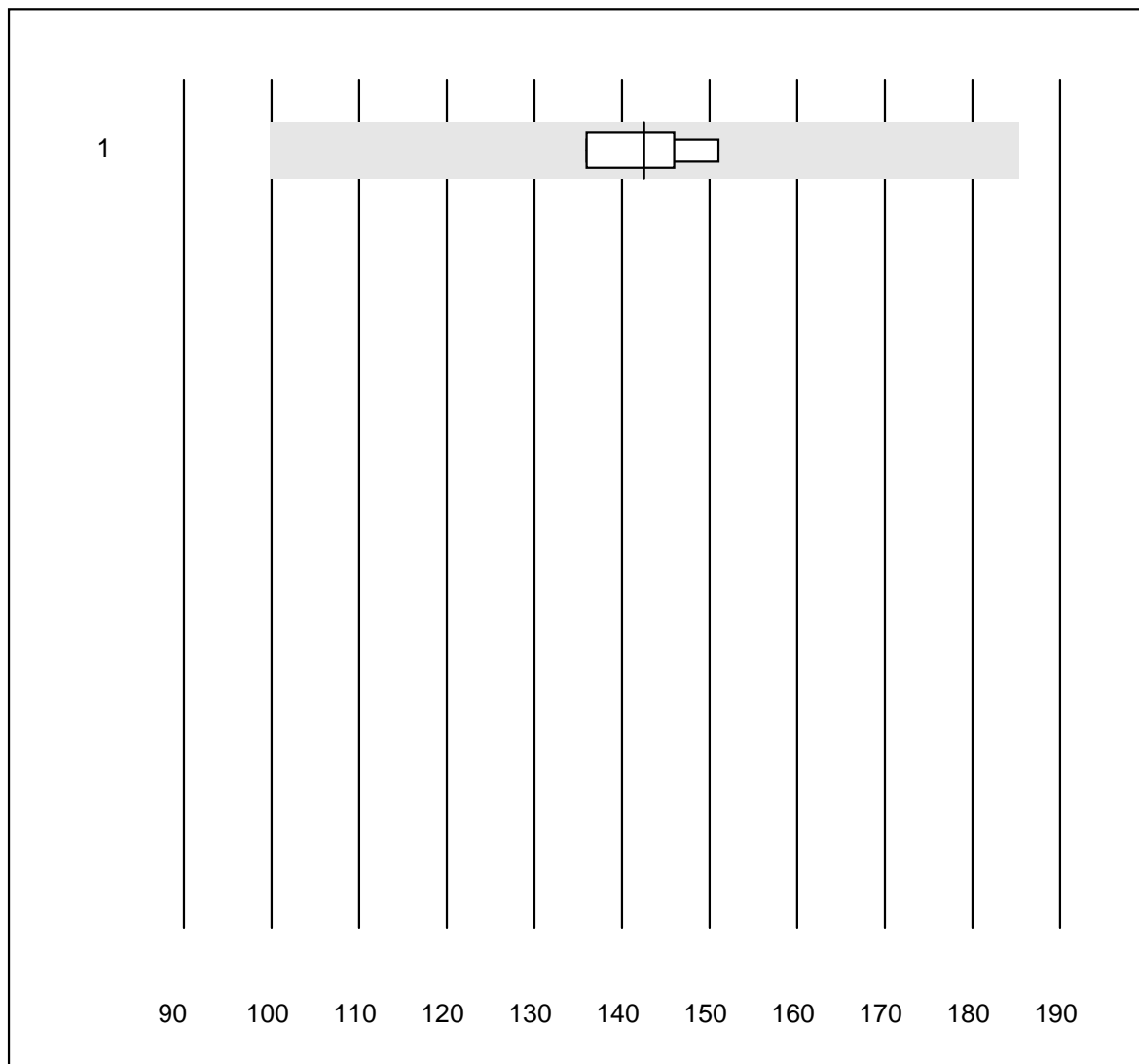


QUALAB tolerance : 24 %

Troponin T (µg/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Cobas hs STAT	6	83.3	0.0	16.7	1.35	5.0	e

Myoglobin

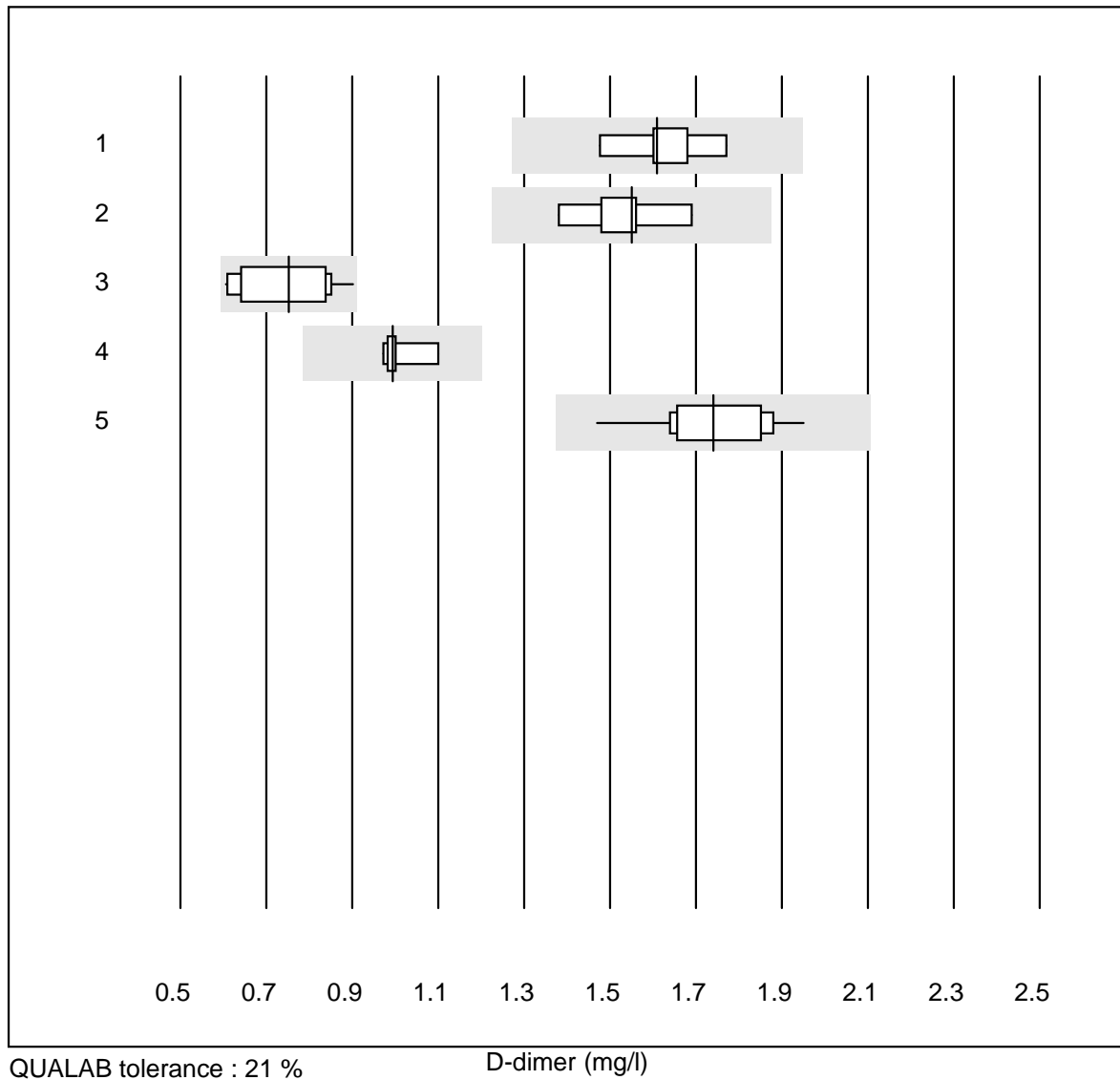


QUALAB tolerance : 30 %

Myoglobin (µg/l)

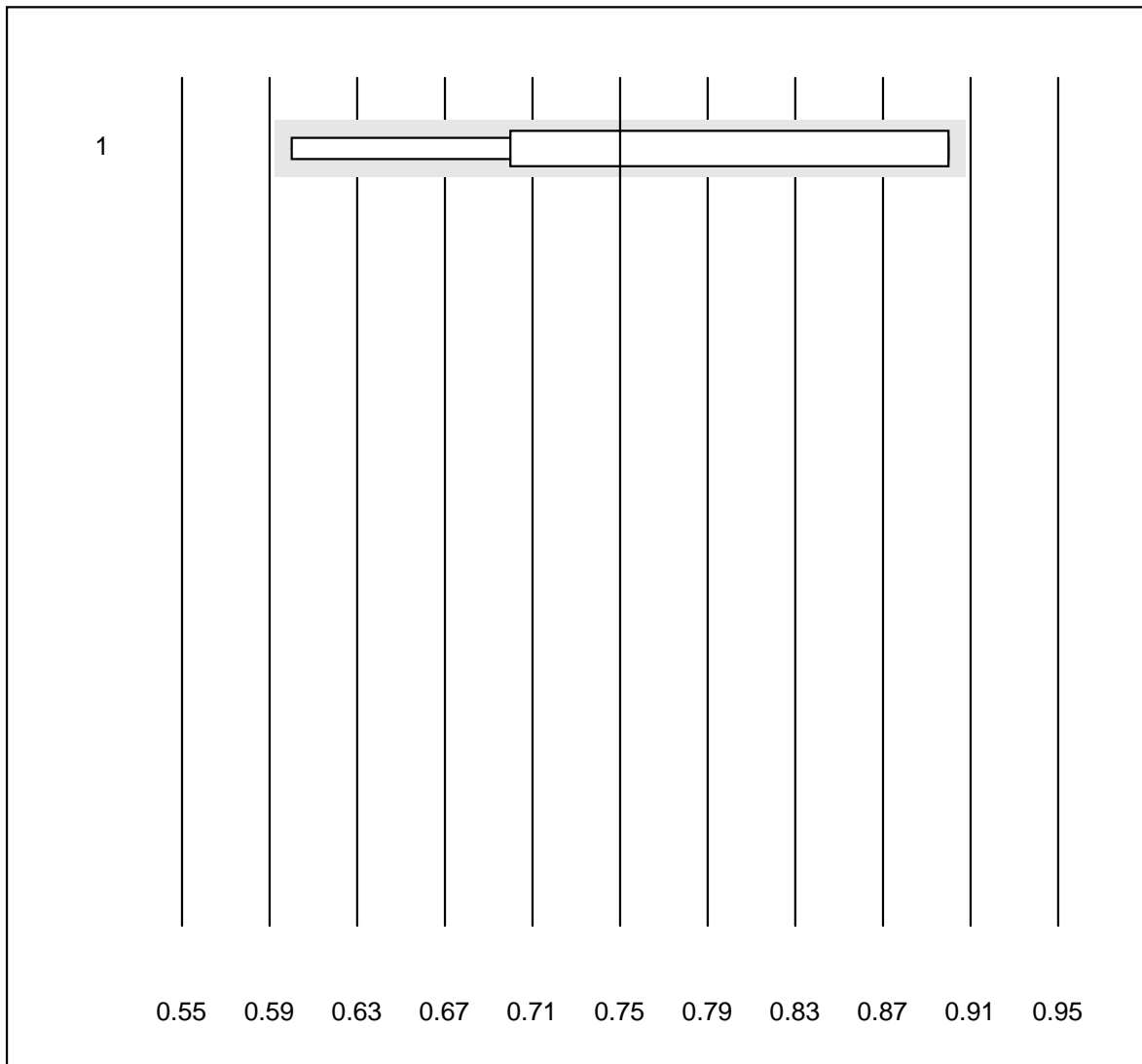
No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	ADVIA Centaur XP/CP	4	100.0	0.0	0.0	142.5	4.7	e

D-dimer



No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Cobas (Zitratplasma)	5	100.0	0.0	0.0	1.61	6.6	e*
2	STA Liatest	9	100.0	0.0	0.0	1.55	6.6	e
3	Eurolyser	12	91.7	0.0	8.3	0.75	15.3	e*
4	AQT 90 FLEX	8	100.0	0.0	0.0	0.99	4.1	e
5	Vidas	12	100.0	0.0	0.0	1.74	7.7	e

D-Dimer NC

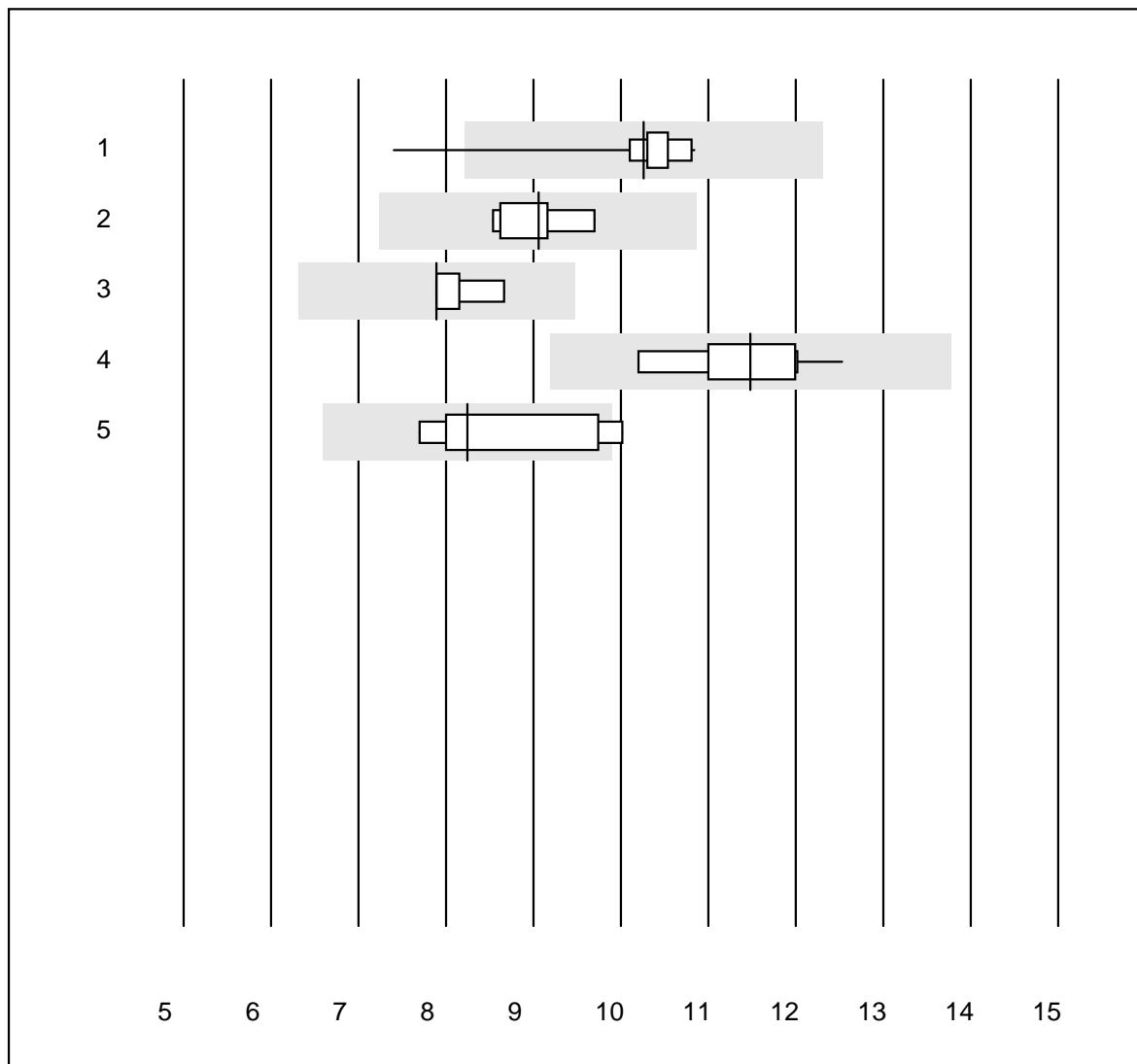


QUALAB tolerance : 21 %

D-Dimer NC (mg/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	NycoCard	72	62.5	0.0	37.5	0.75	14.7	e

TSH



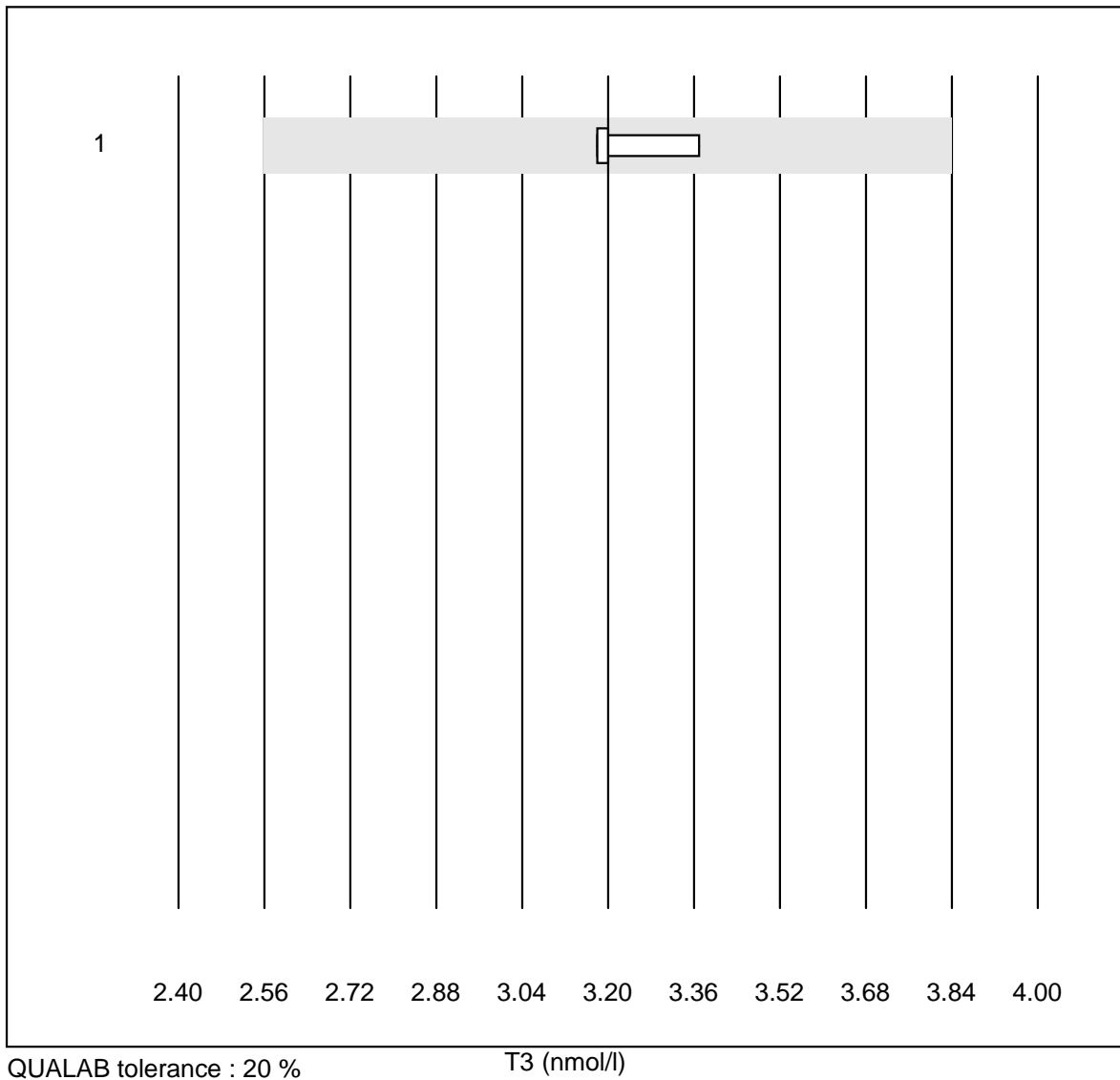
QUALAB tolerance : 20 %

TSH (mU/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Cobas E / Elecsys	12	91.7	8.3	0.0	10.3	9.0	e*
2	ADVIA Centaur XP/CP	5	100.0	0.0	0.0	9.1	5.2	e
3	Architect	5	80.0	0.0	20.0	7.9	4.4	e
4	Vidas	10	100.0	0.0	0.0	11.5	6.0	e
5	Other methods	6	66.6	16.7	16.7	8.2	12.1	e*

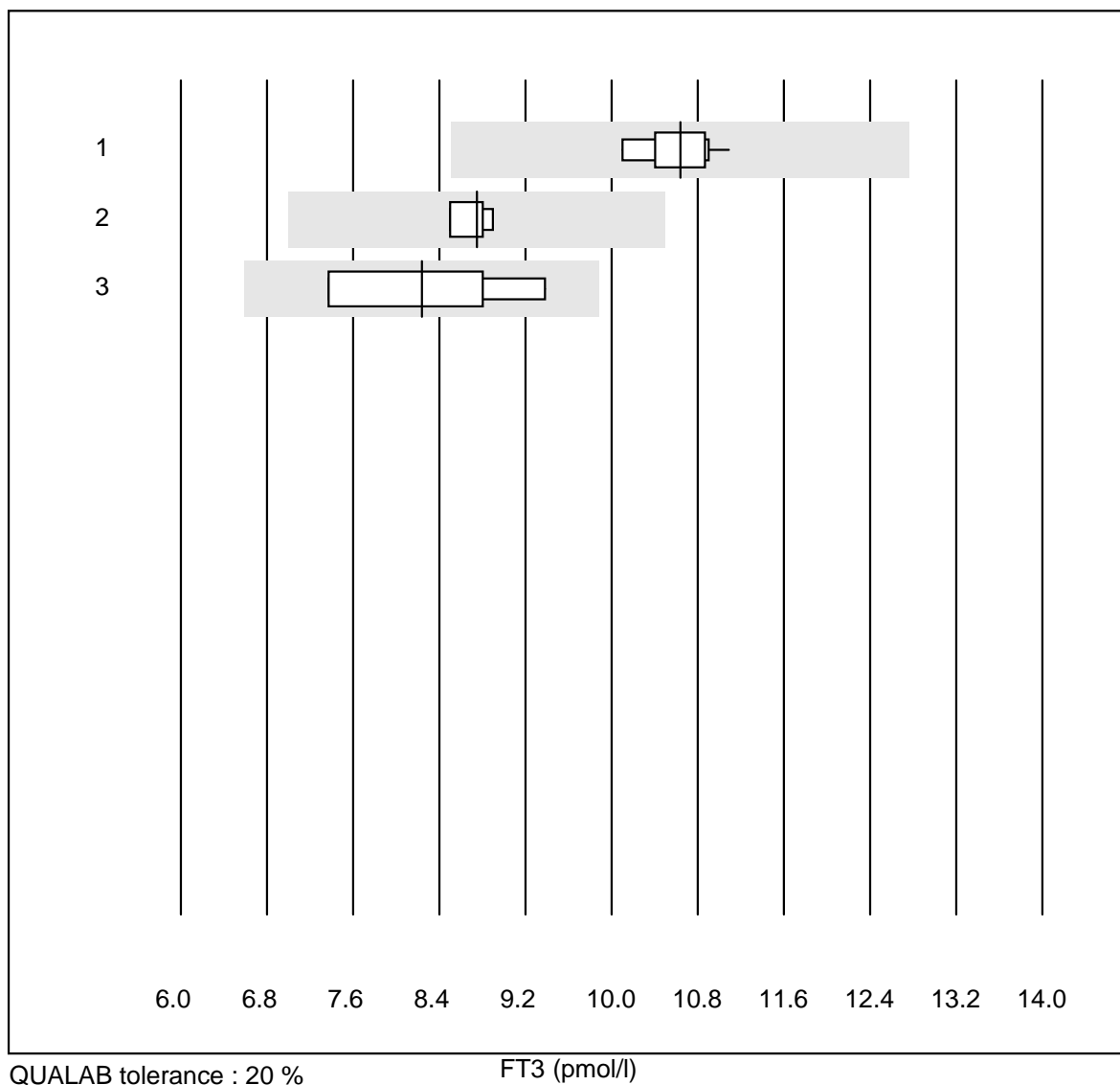
K6 Hormones

T3

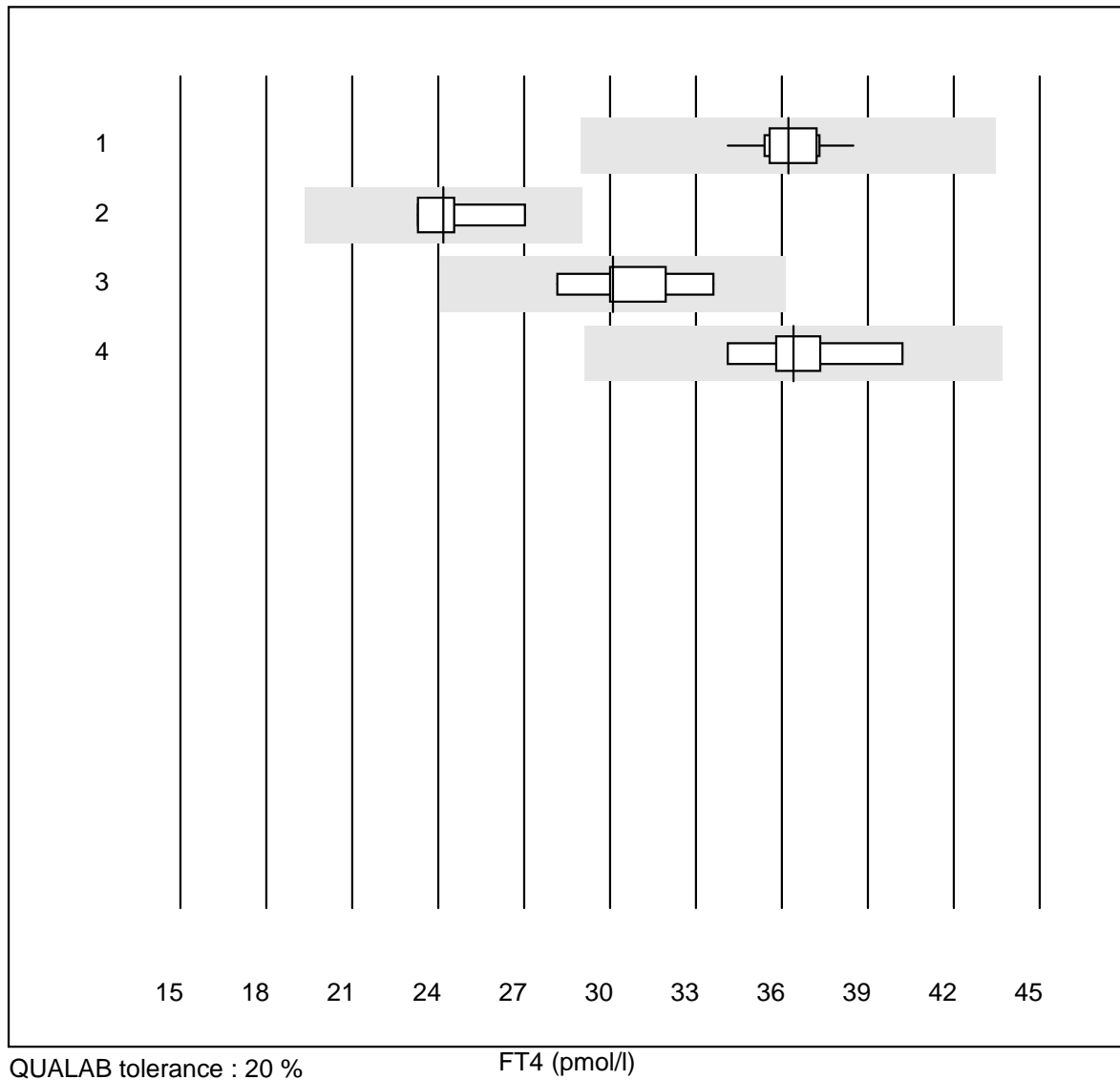


No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Cobas E / Elecsys	4	100.0	0.0	0.0	3.2	2.7	e

FT3

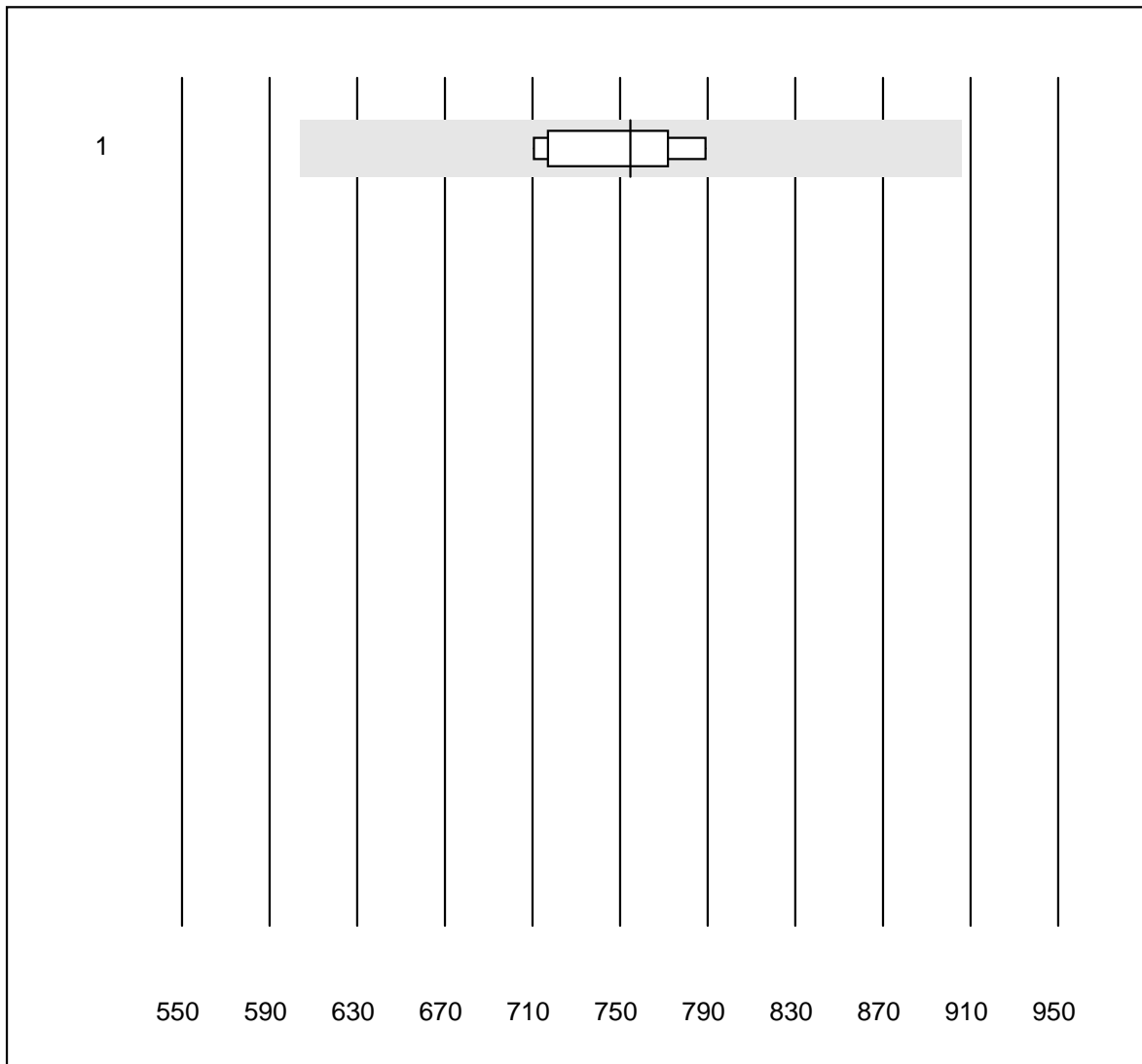


No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Cobas E / Elecsys	11	90.9	0.0	9.1	10.6	2.9	e
2	ADVIA Centaur XP/CP	4	100.0	0.0	0.0	8.8	2.0	e
3	Architect	4	100.0	0.0	0.0	8.2	11.3	e*

FT4

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Cobas E / Elecsys	11	100.0	0.0	0.0	36.2	3.2	e
2	ADVIA Centaur XP	4	100.0	0.0	0.0	24.2	6.7	e*
3	Architect	5	100.0	0.0	0.0	30.1	6.7	e*
4	Vidas	6	100.0	0.0	0.0	36.4	5.5	e

Cortisol

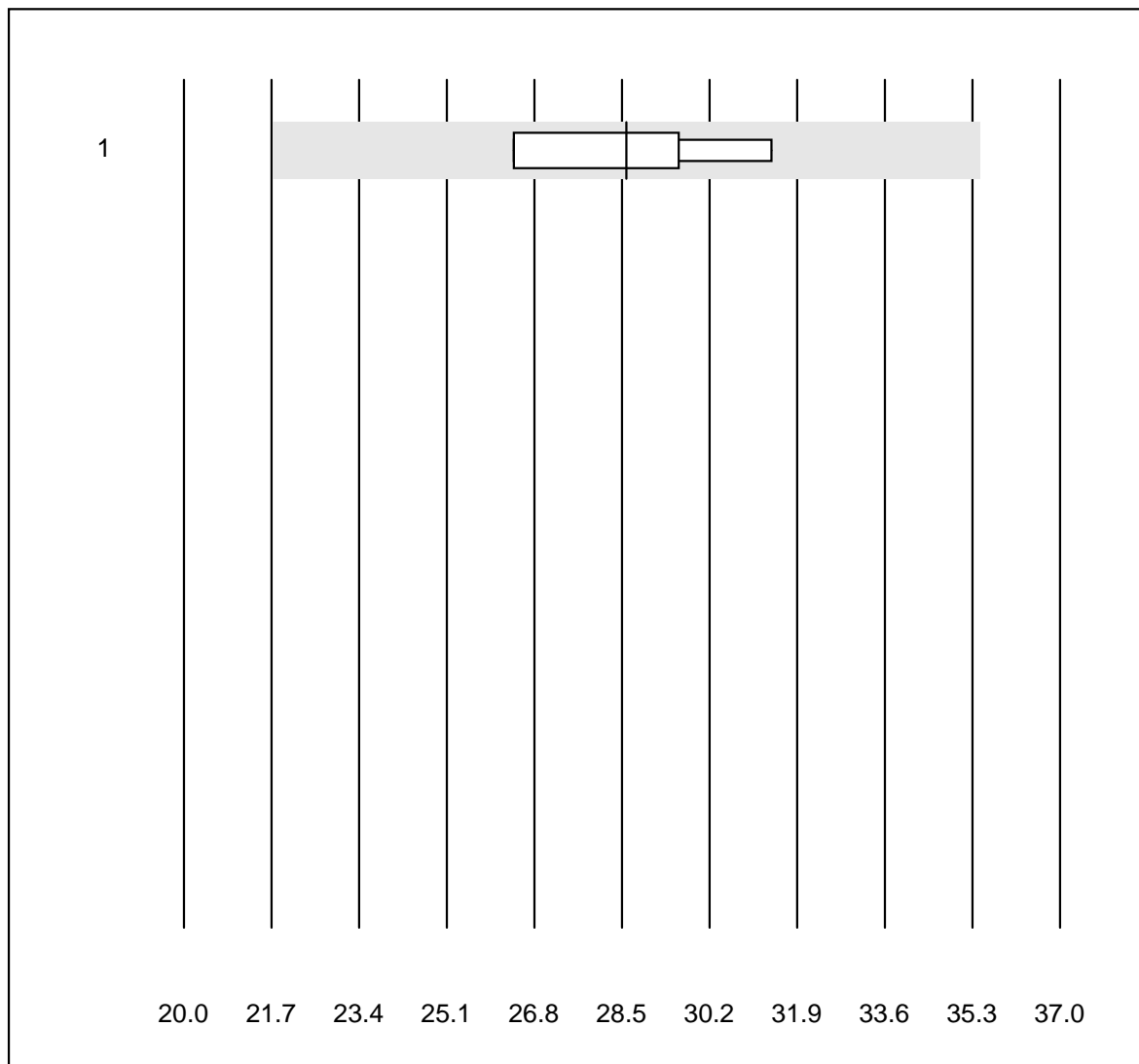


QUALAB tolerance : 20 %

Cortisol (nmol/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Cobas E / Elecsys	5	100.0	0.0	0.0	755	4.6	e

Luteinizing hormone

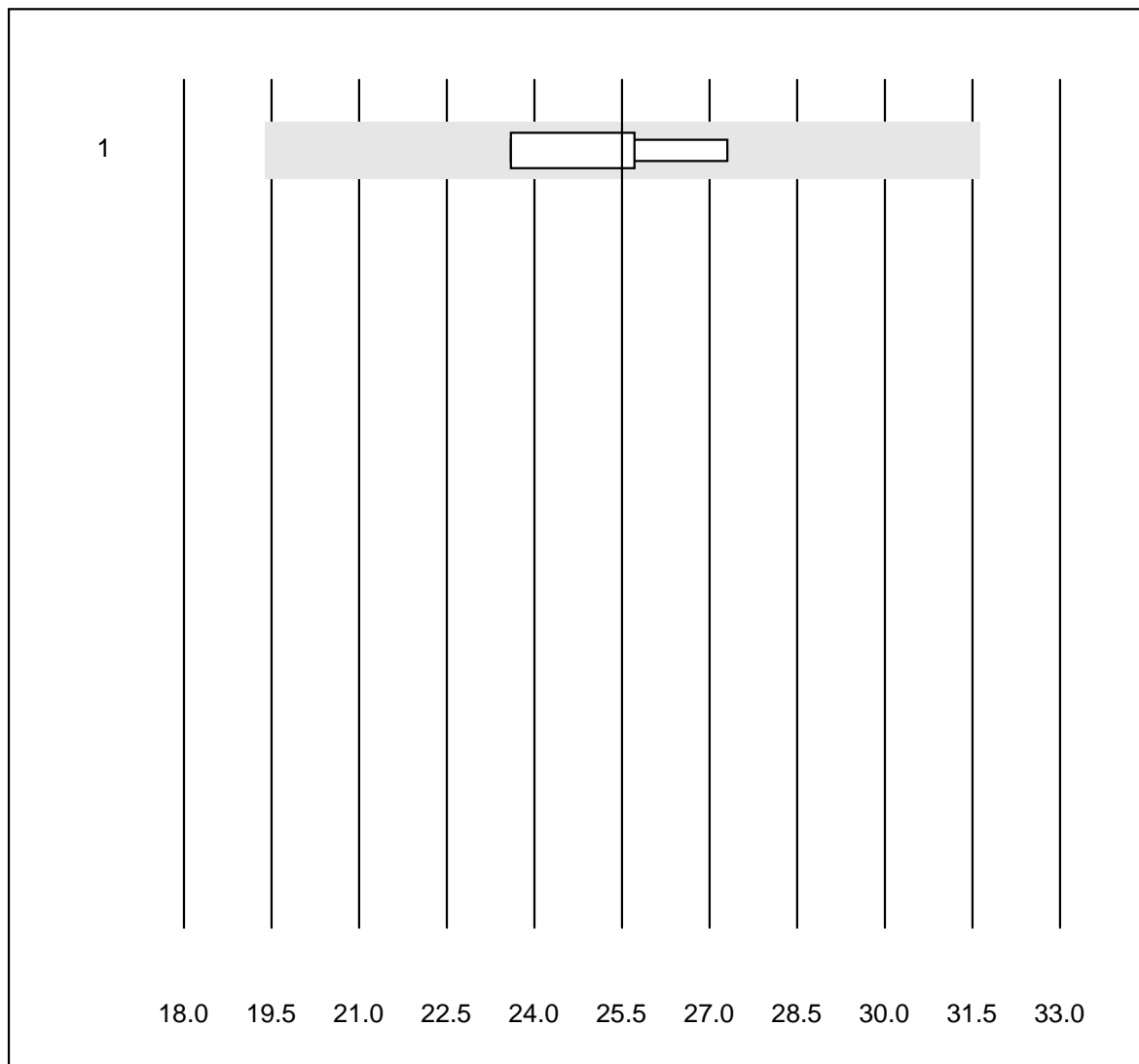


QUALAB tolerance : 24 %

Luteinizing hormone (U/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	ADVIA Centaur XP/CP	4	100.0	0.0	0.0	28.6	7.7	e*

Follicle-stimulating hormone

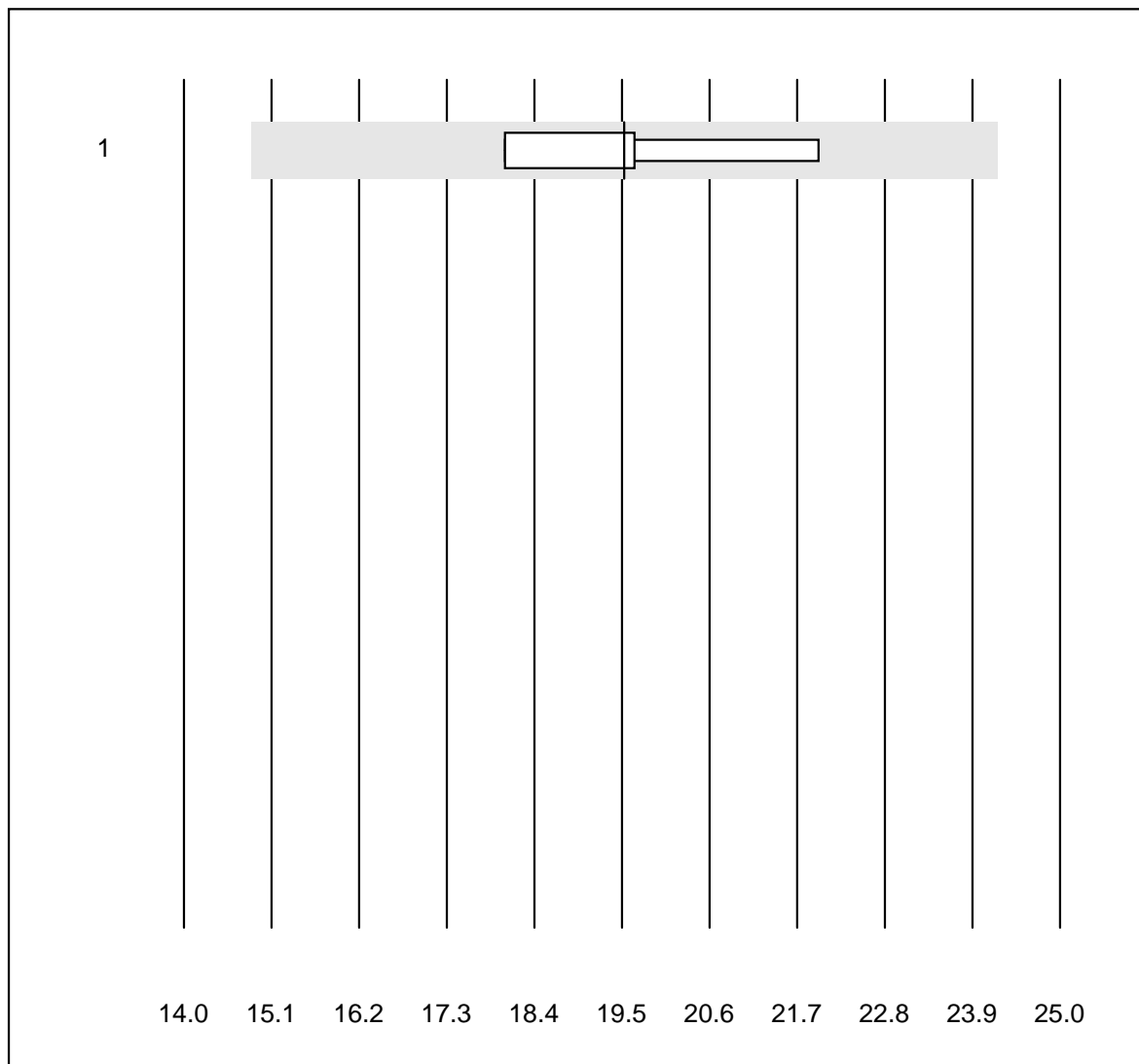


QUALAB tolerance : 24 %

Follicle-stimulating hormone (U/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	ADVIA Centaur XP/CP	4	100.0	0.0	0.0	25.5	6.0	e*

Prolactine

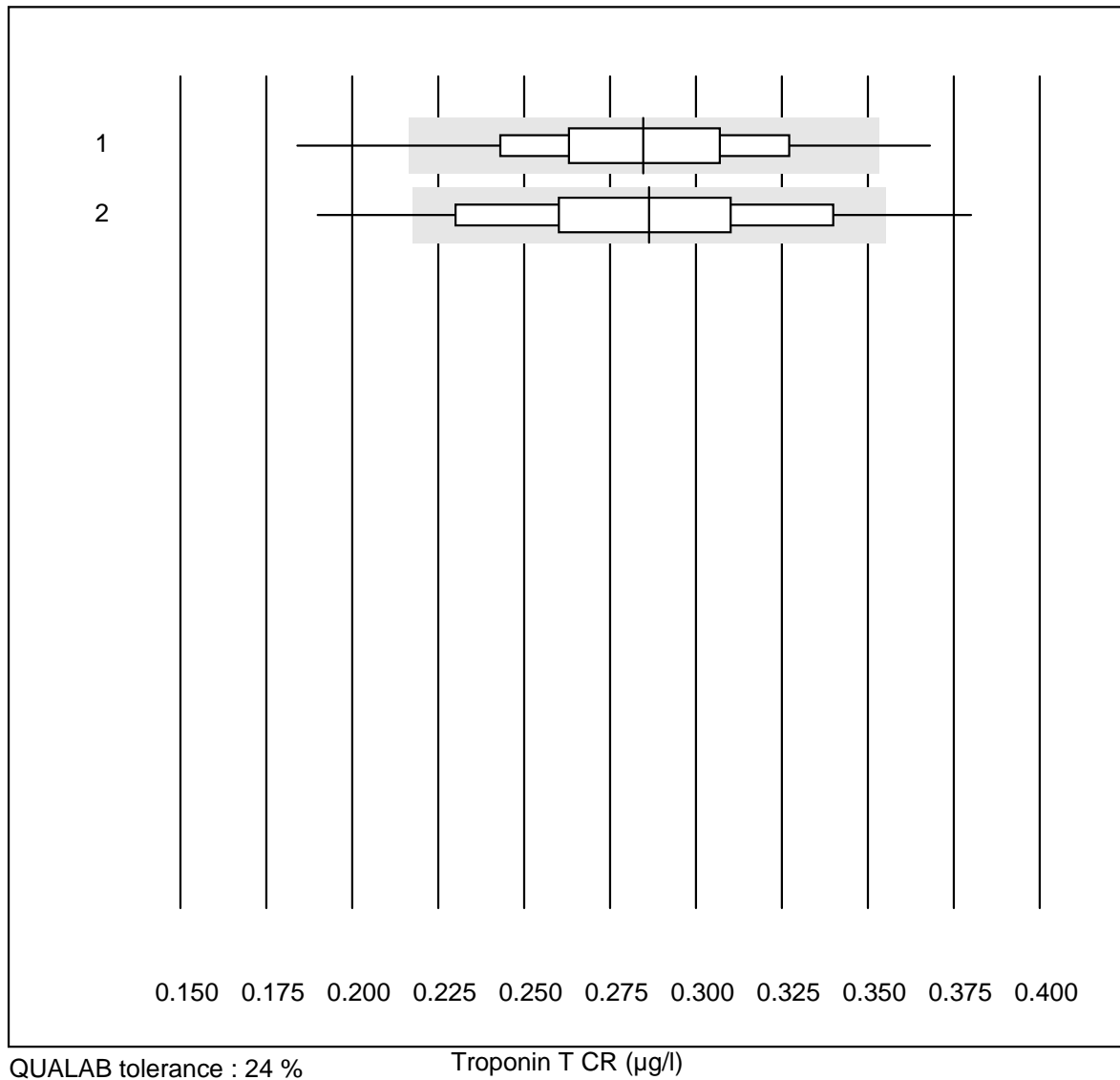


QUALAB tolerance : 24 %

Prolactine (µg/l)

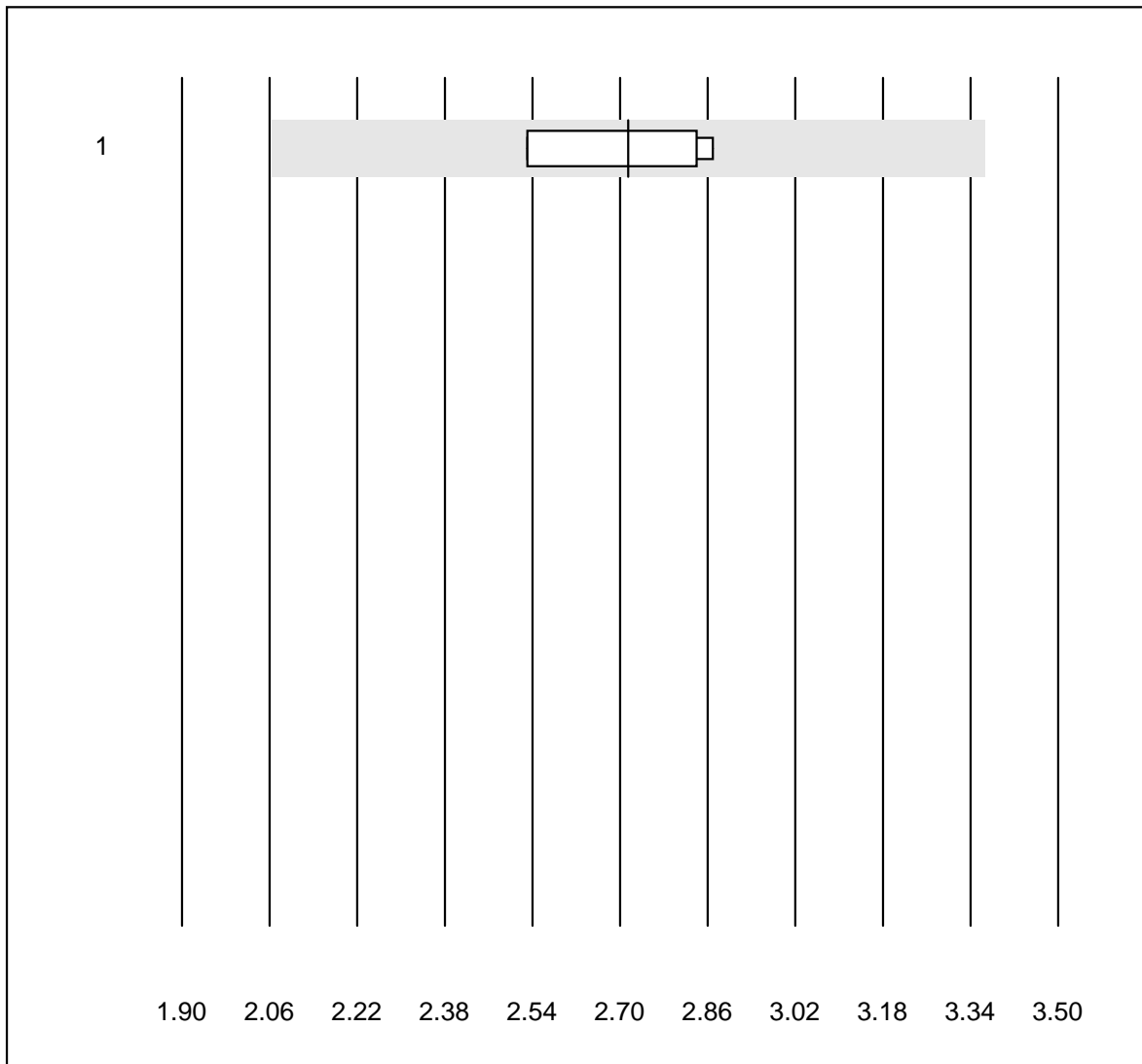
No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	ADVIA Centaur XP/CP	4	100.0	0.0	0.0	19.5	8.3	e*

Troponin T CR



No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Cobas h 232	630	95.8	3.7	0.5	0.28	11.4	e
2	Cardiac Reader	79	89.8	5.1	5.1	0.29	14.0	e

Troponin I WB

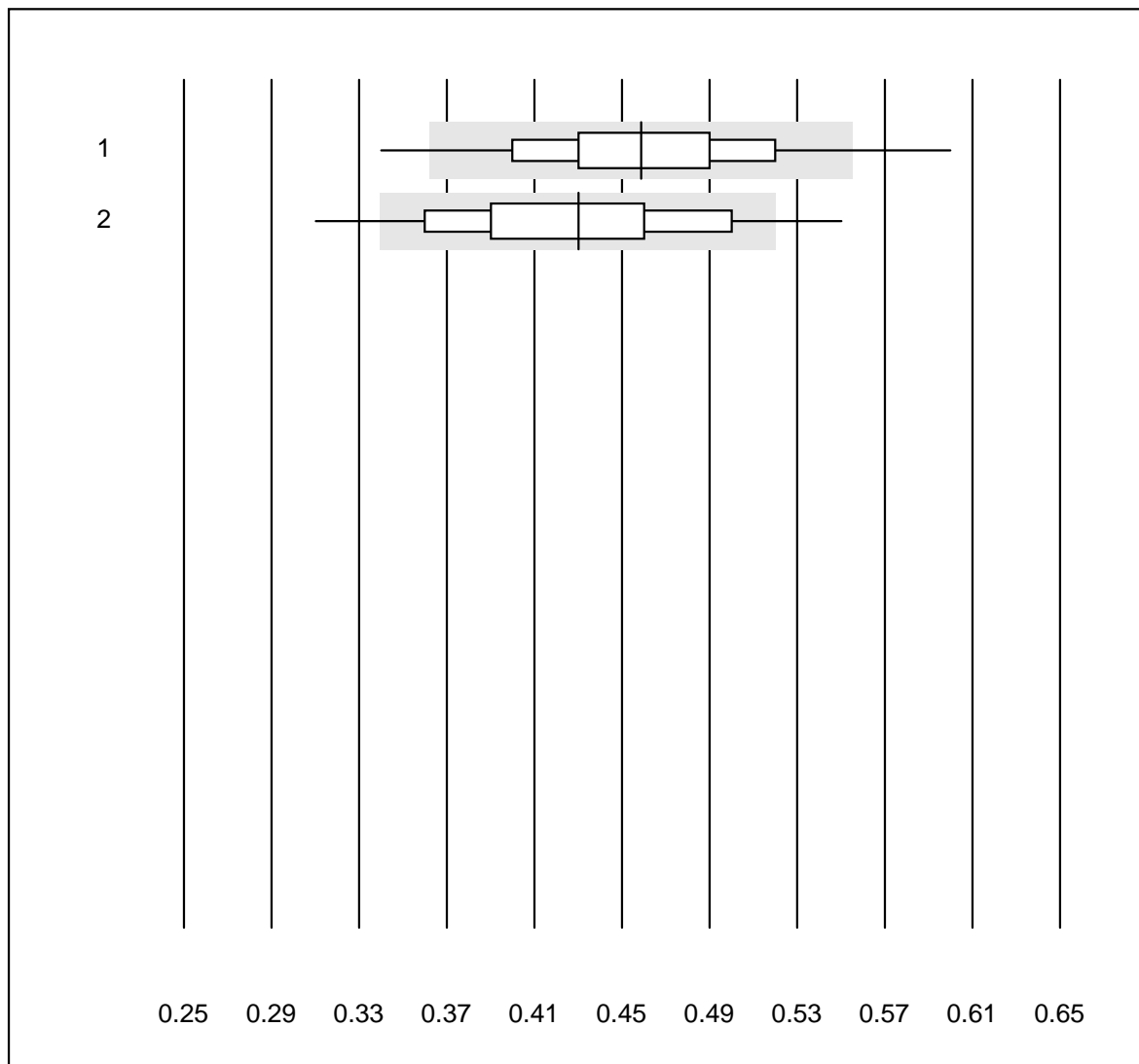


QUALAB tolerance : 24 %

Troponin I WB (µg/l)

No.Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1 iStat	4	100.0	0.0	0.0	2.72	6.4	e*

D-dimer CR

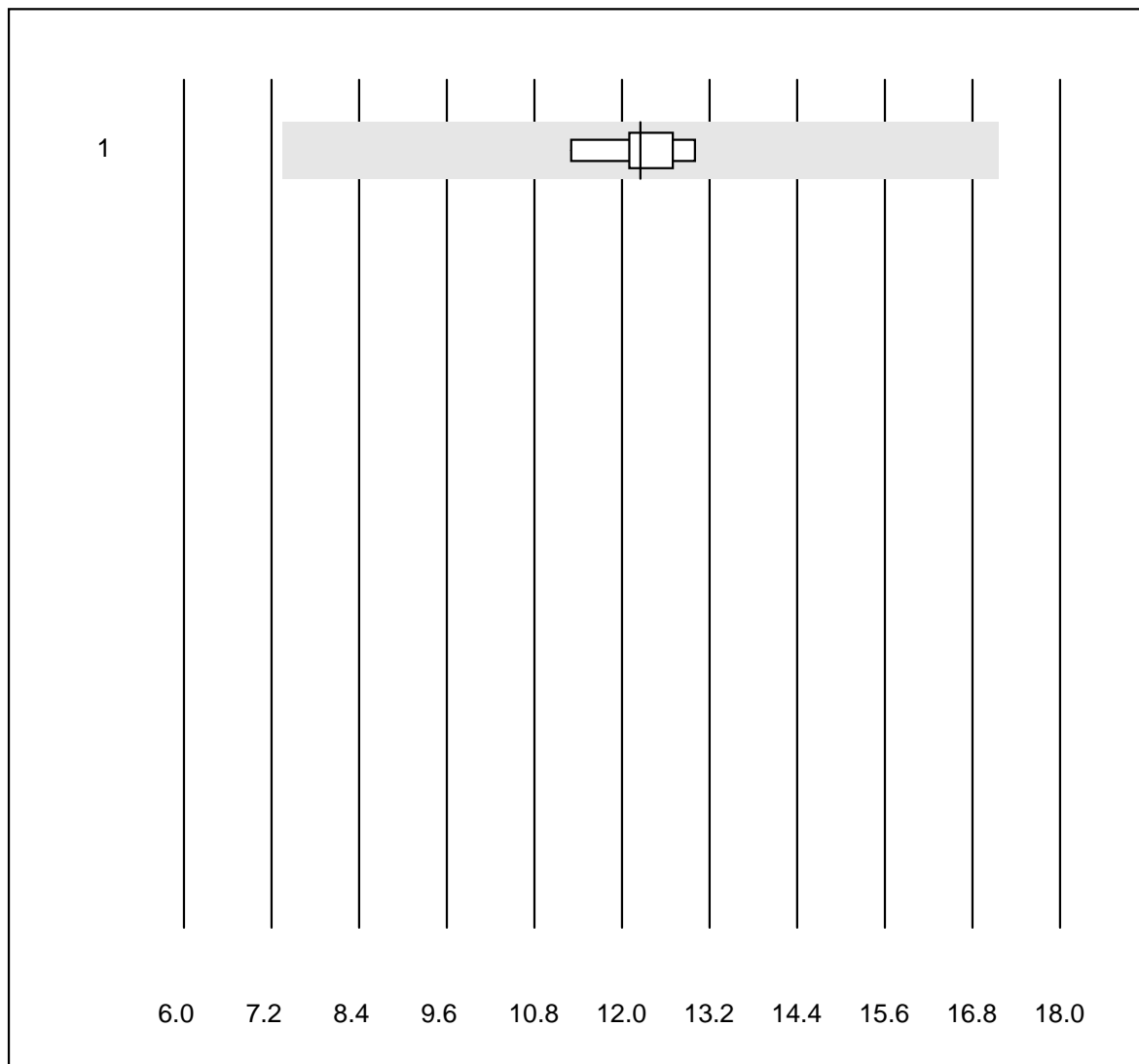


QUALAB tolerance : 21 %

D-dimer CR (mg/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Cobas h 232	638	90.6	6.6	2.8	0.46	10.6	e
2	Cardiac Reader	75	90.7	8.0	1.3	0.43	12.3	e

CKMB - K8

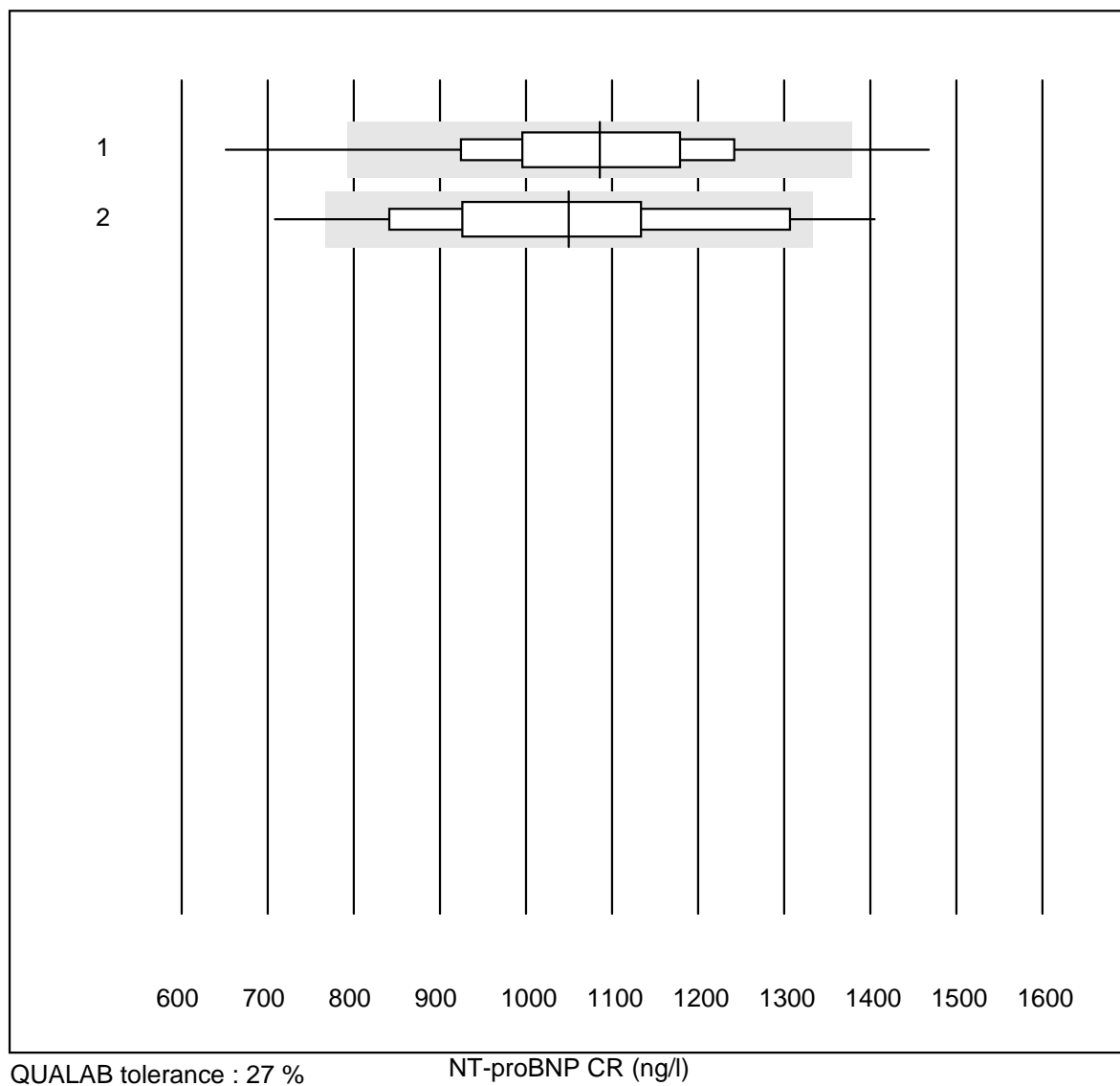


QUALAB tolerance : 40 %

CKMB - K8 (µg/l)

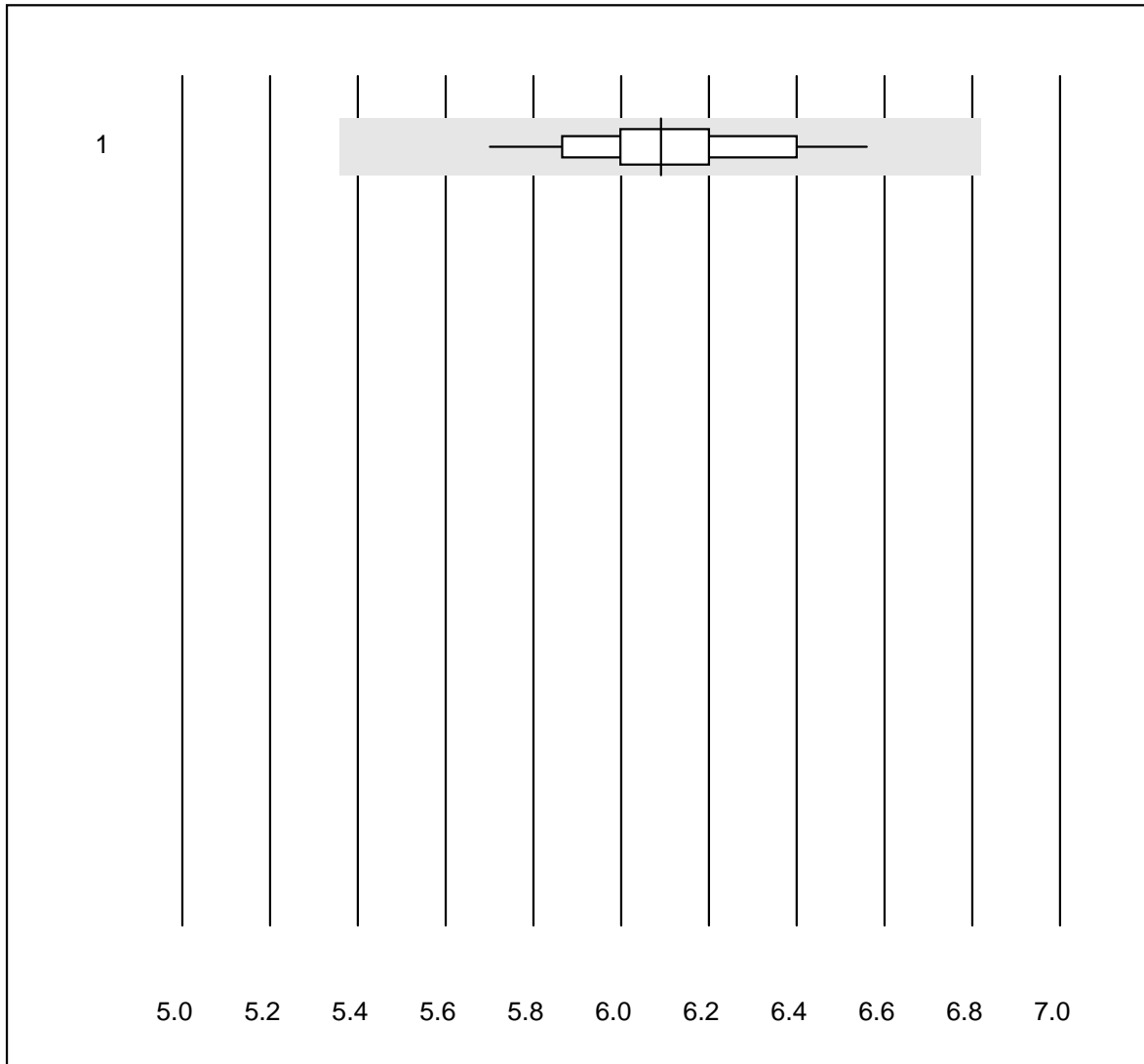
No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Cobas h 232	7	100.0	0.0	0.0	12.3	4.5	e

NT-proBNP CR



No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Cobas h 232	398	95.7	4.0	0.3	1086	12.2	e
2	Cardiac Reader	26	84.7	11.5	3.8	1050	17.0	e*

PCO2 CCA

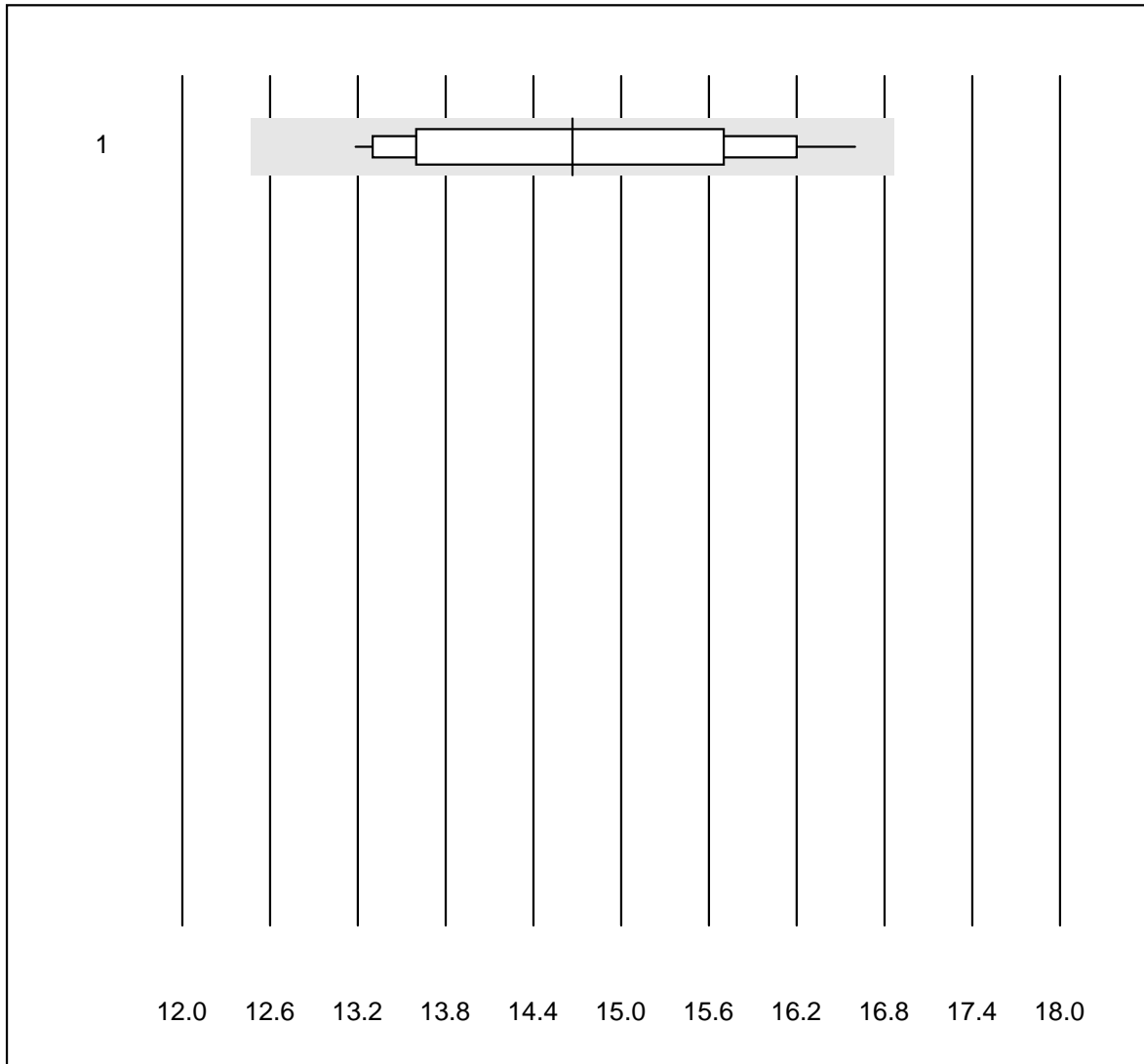


QUALAB tolerance : 12 %

PCO2 CCA (kPa)

No.Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1 OPTI CCA	14	100.0	0.0	0.0	6.09	3.6	e

PO2 CCA

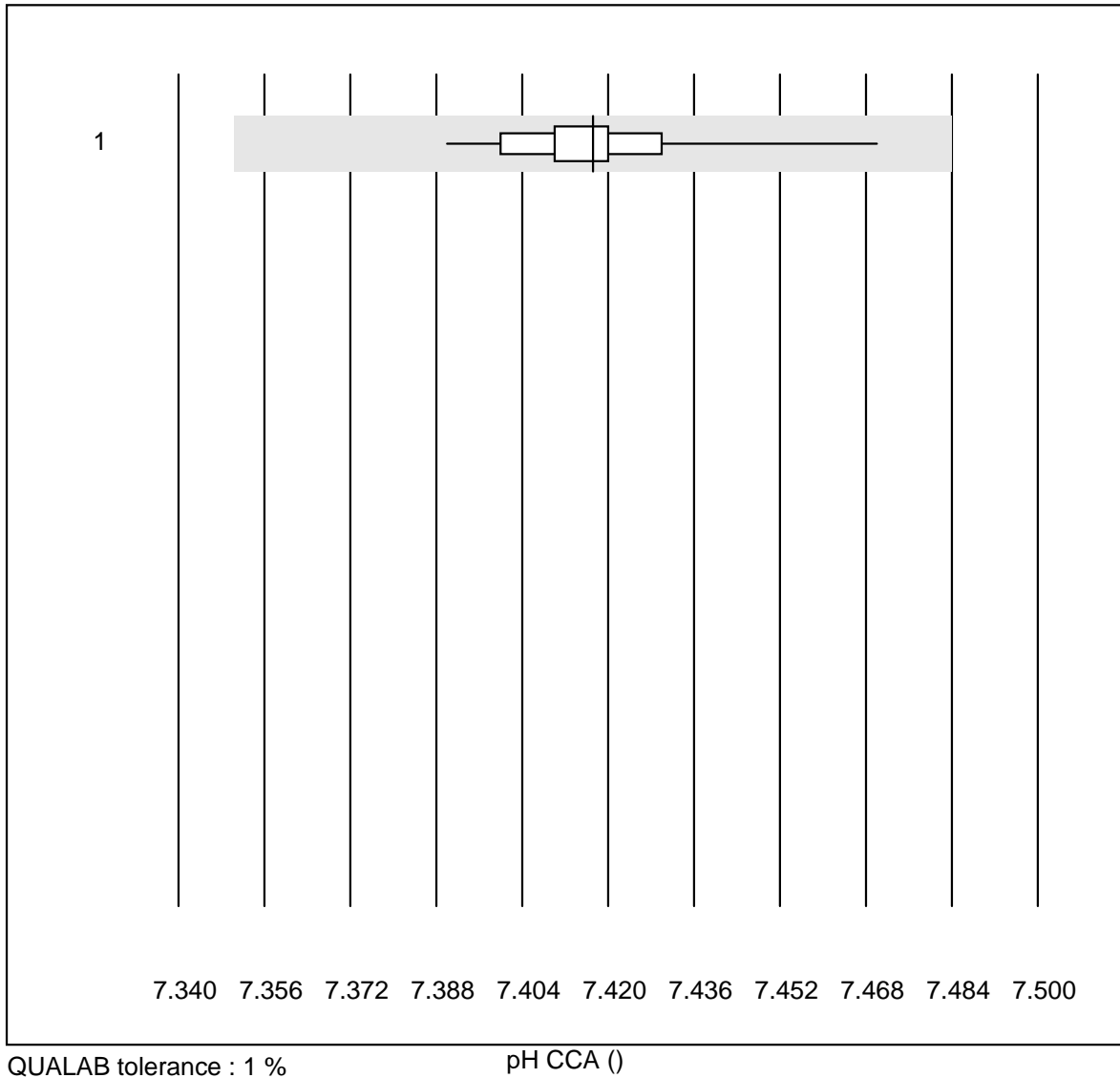


QUALAB tolerance : 15 %

PO2 CCA (kPa)

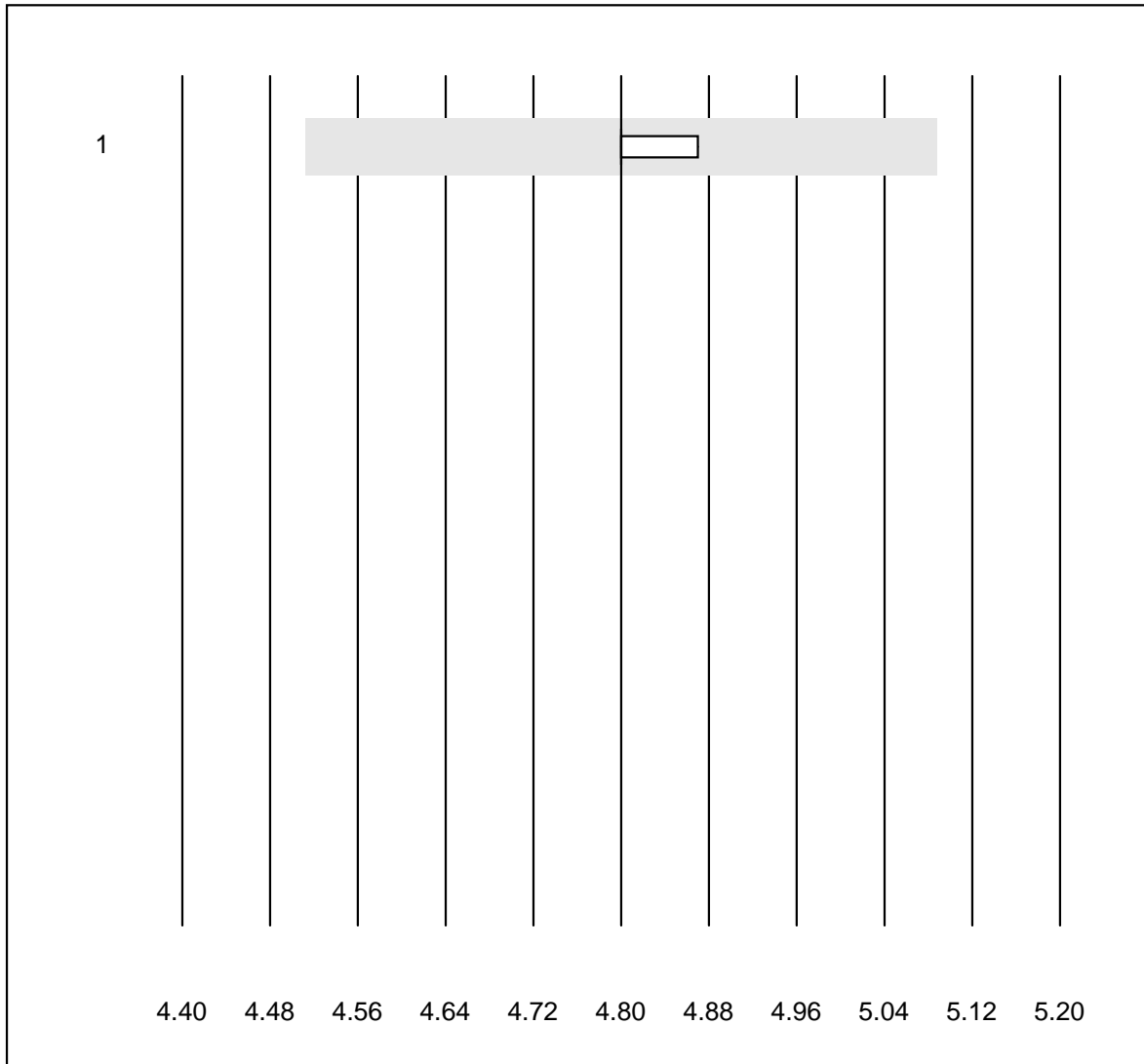
No.Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1 OPTI CCA	14	100.0	0.0	0.0	14.67	7.9	e*

pH CCA



No.Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1 OPTI CCA	14	100.0	0.0	0.0	7.42	0.2	e

Potassium CCA

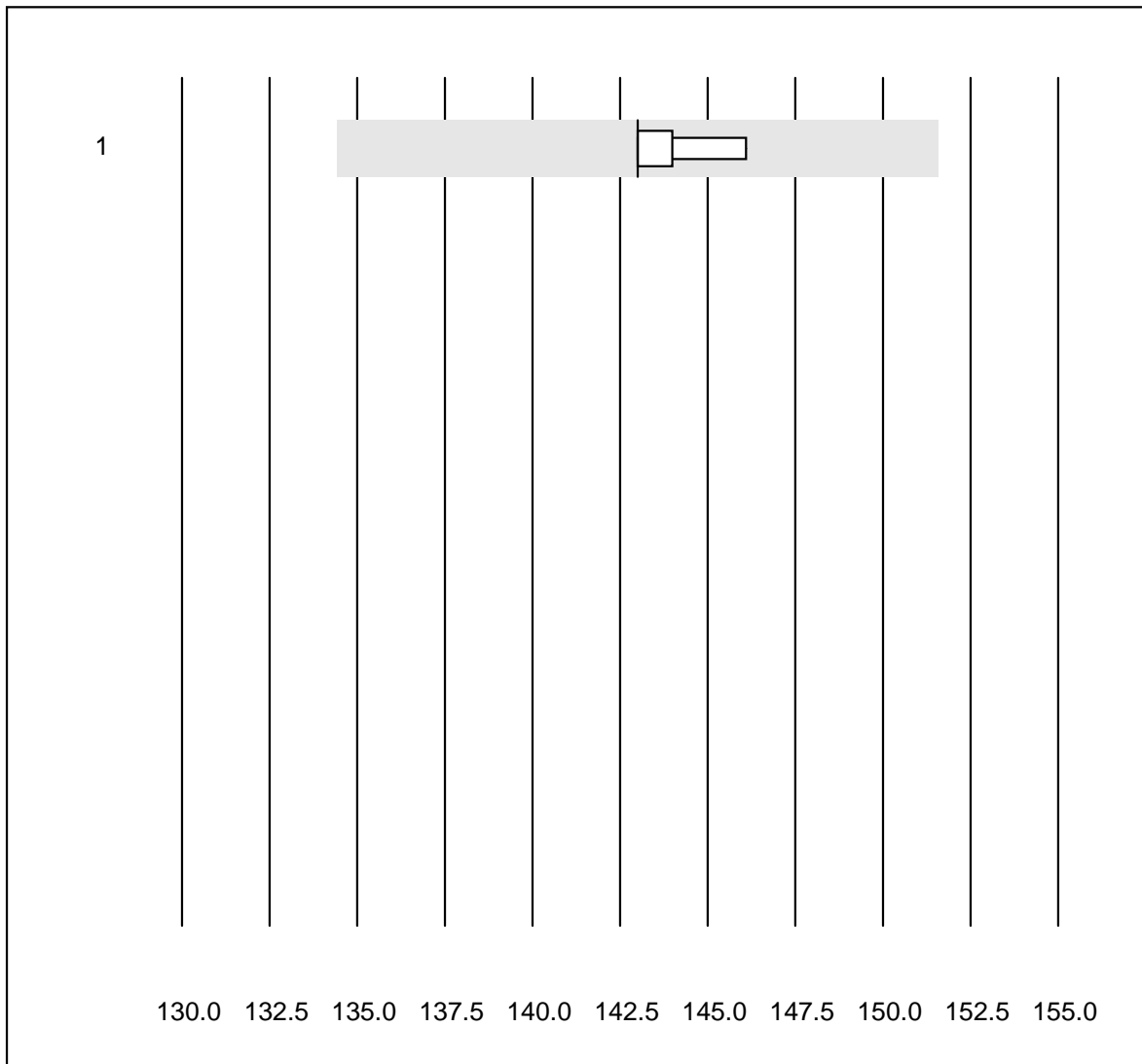


QUALAB tolerance : 6 %

Potassium CCA (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Type
1	OPTI CCA	8	100.0	0.0	0.0	4.8	0.5	e

Sodium CCA

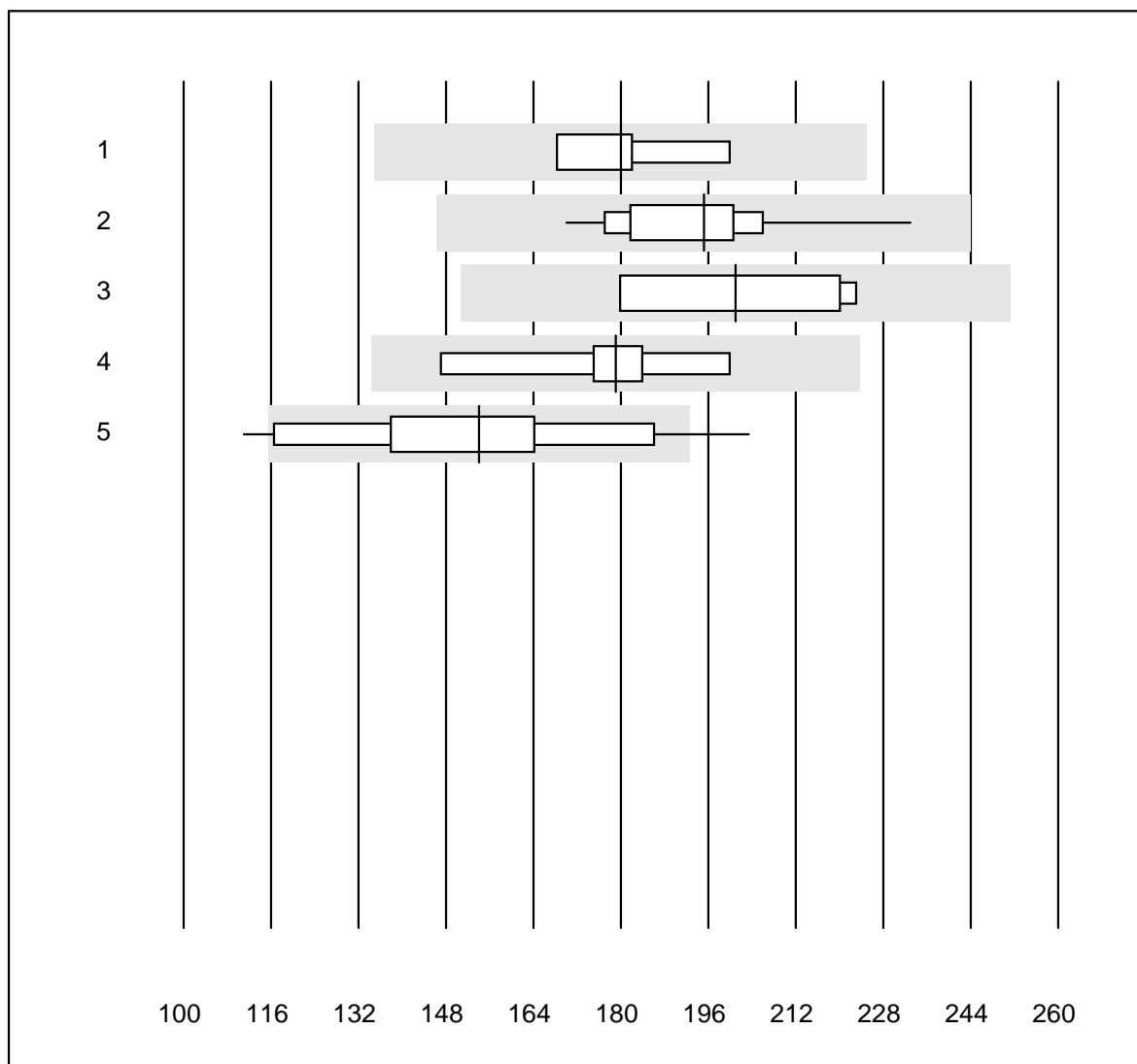


QUALAB tolerance : 6 %

Sodium CCA (mmol/l)

No.Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1 OPTI CCA	7	100.0	0.0	0.0	143.0	0.8	e

Ferritin

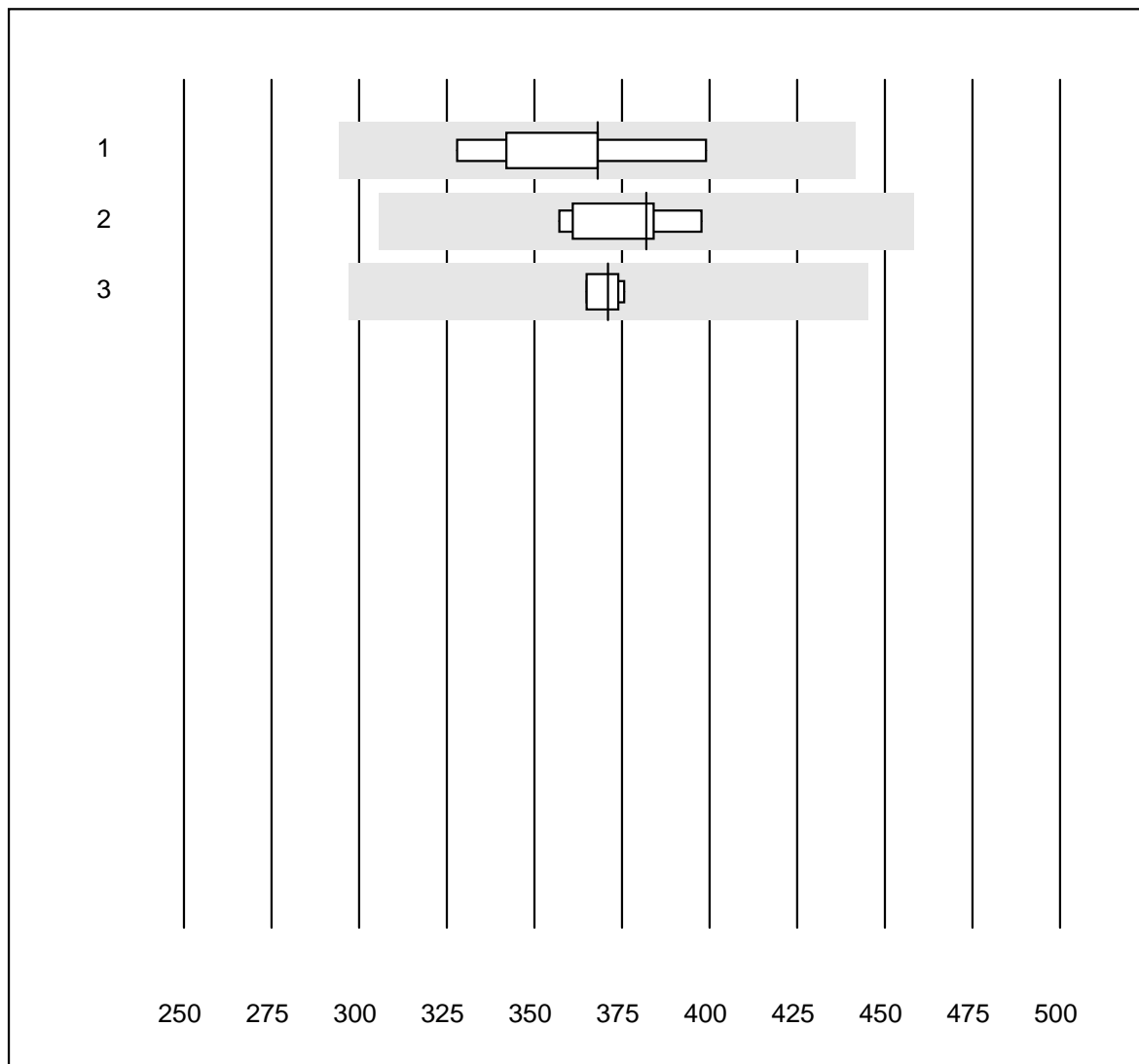


QUALAB tolerance : 25 %

Ferritin (µg/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	ADVIA Centaur XP/CP	4	100.0	0.0	0.0	180.00	7.3	e*
2	Cobas E / Elecsys	11	100.0	0.0	0.0	195.23	8.6	e
3	Architect	5	80.0	0.0	20.0	201.00	9.7	e*
4	Mini Vidas	5	100.0	0.0	0.0	179.00	10.9	e*
5	Eurolyser	19	89.5	10.5	0.0	153.99	15.0	e*

Vitamin B12

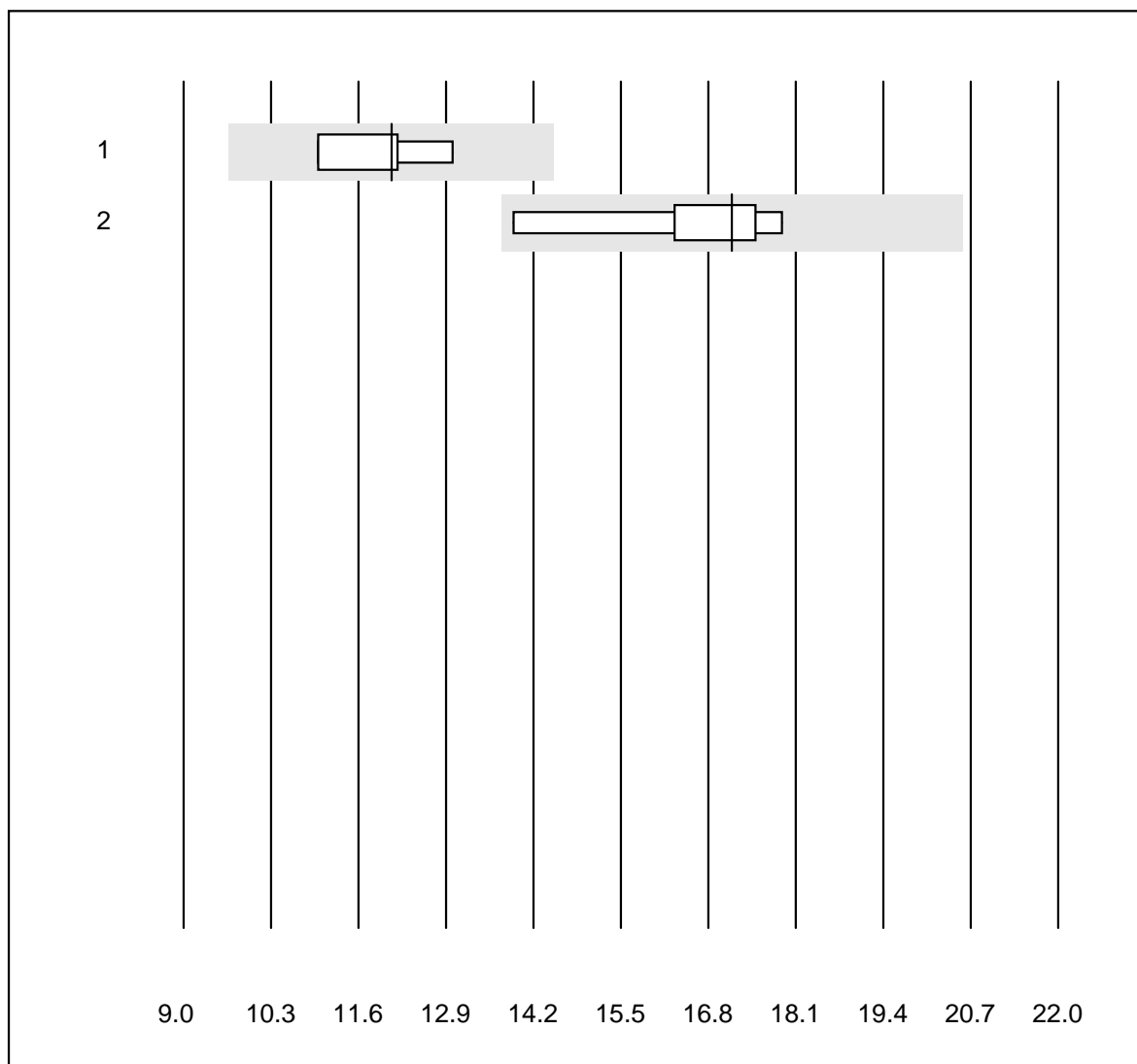


QUALAB tolerance : 20 %

Vitamin B12 (pmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	ADVIA Centaur XP/CP	5	100.0	0.0	0.0	368.00	7.6	e*
2	Cobas E / Elecsys	8	100.0	0.0	0.0	382.00	3.8	e
3	Architect	4	100.0	0.0	0.0	371.00	1.3	e

Folate

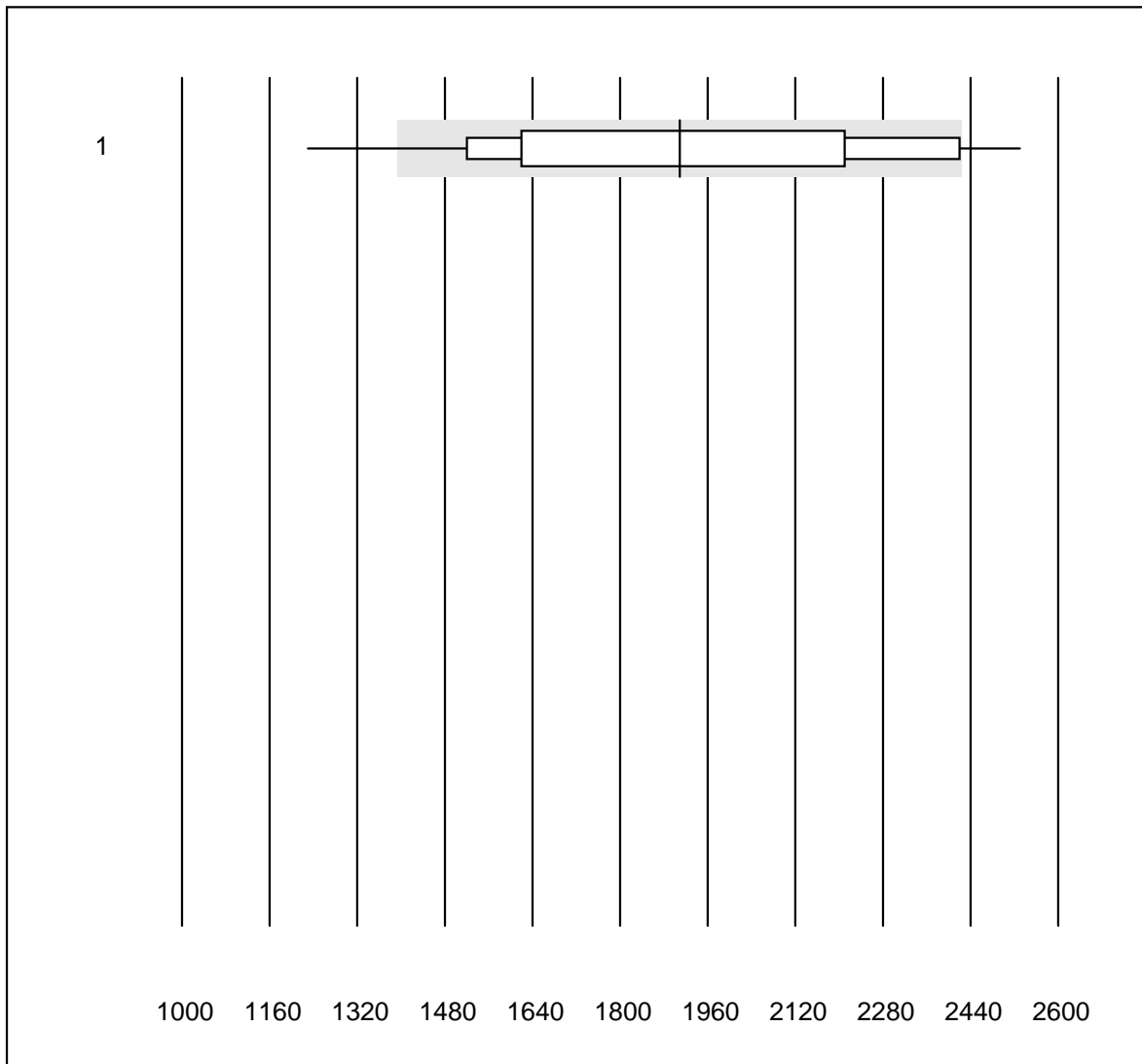


QUALAB tolerance : 20 %

Folate (nmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	ADVIA Centaur XP	4	100.0	0.0	0.0	12.09	6.8	e*
2	Cobas E / Elecsys	8	100.0	0.0	0.0	17.15	7.6	e*

BNP



QUALAB tolerance : 27 %

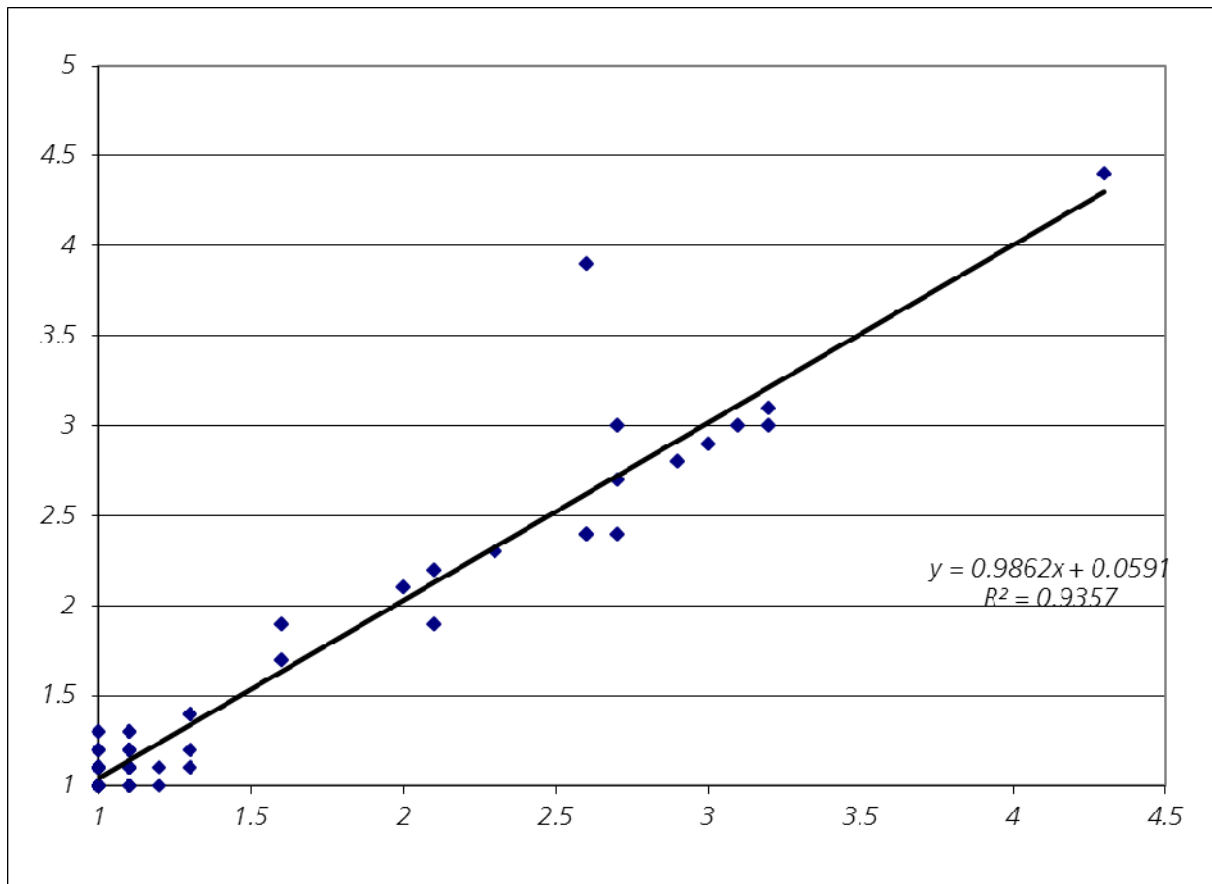
BNP (ng/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Triage Meter	35	77.2	11.4	11.4	1908.4	17.9	e

G10 INR INRatio

INR INRatio

University Hospital Zuerich

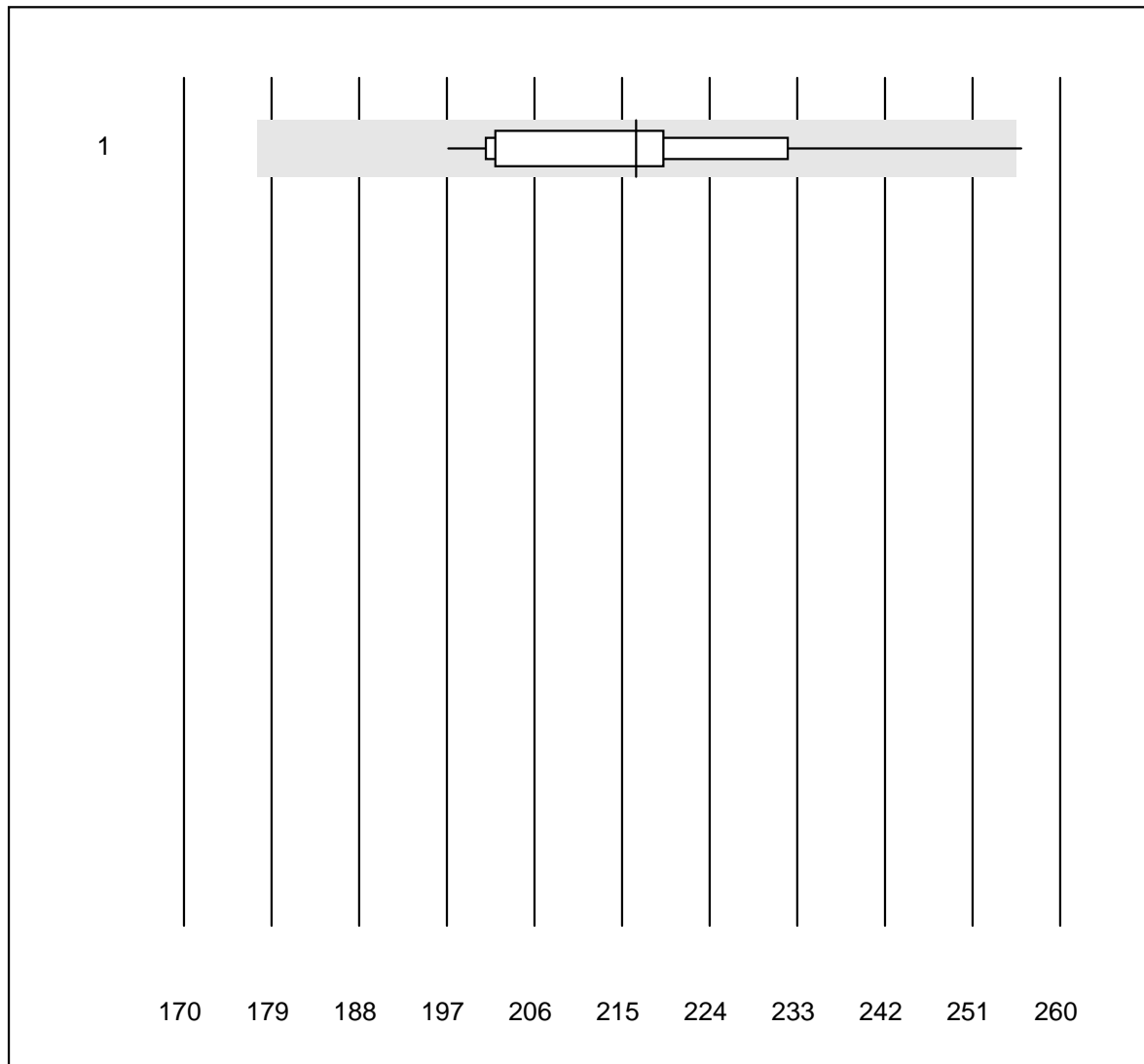


INRatio Participants

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

Nr.	Device	Total	% good	% insufficient	% outlier
1	INRatio	65	86.15	10.77	3.08

Bilirubin total Neo

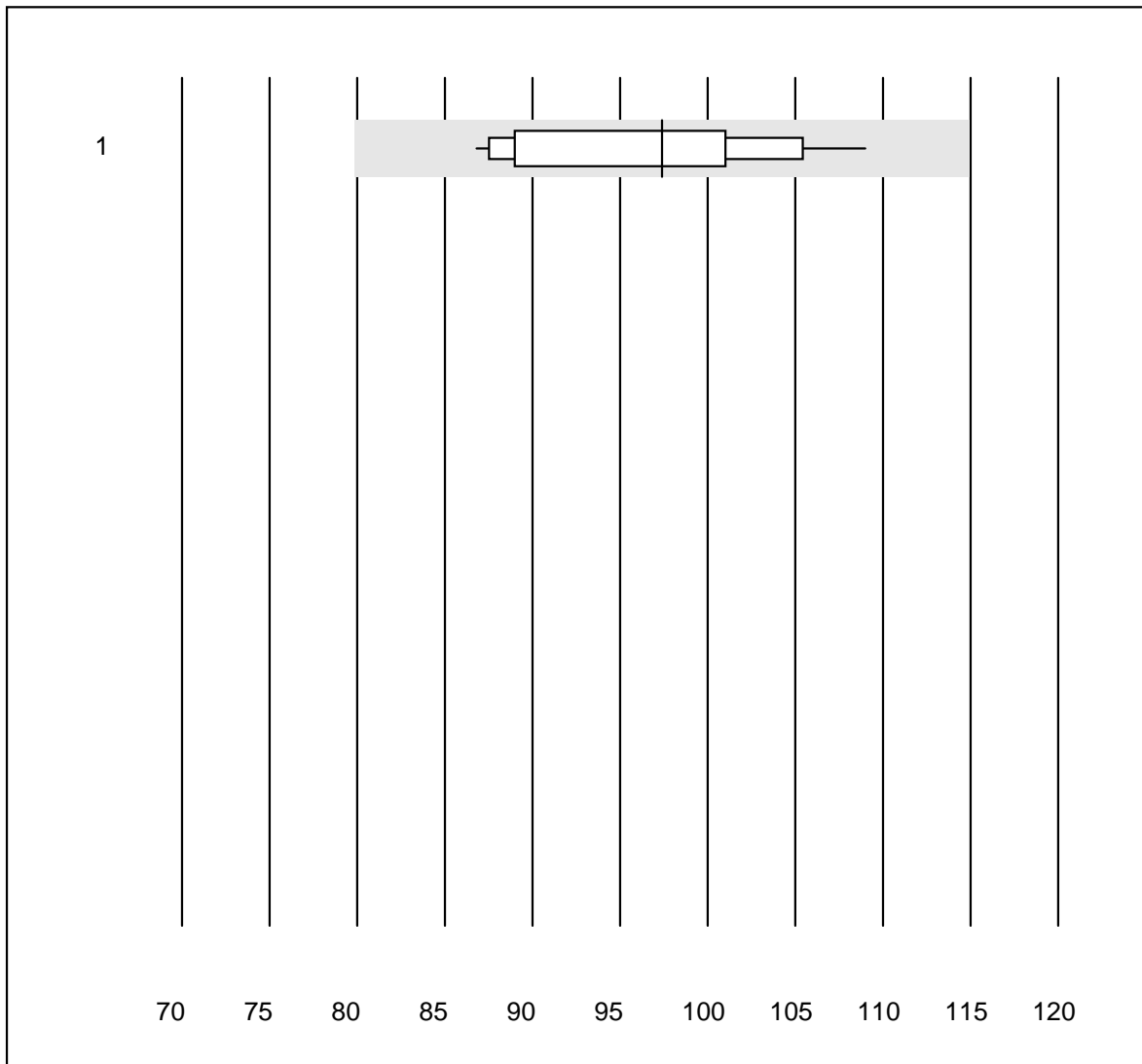


QUALAB tolerance : 18 %

Bilirubin total Neo (µmol/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Type
1	all Participants	12	91.7	8.3	0.0	216	7.4	e

Bilirubin direct

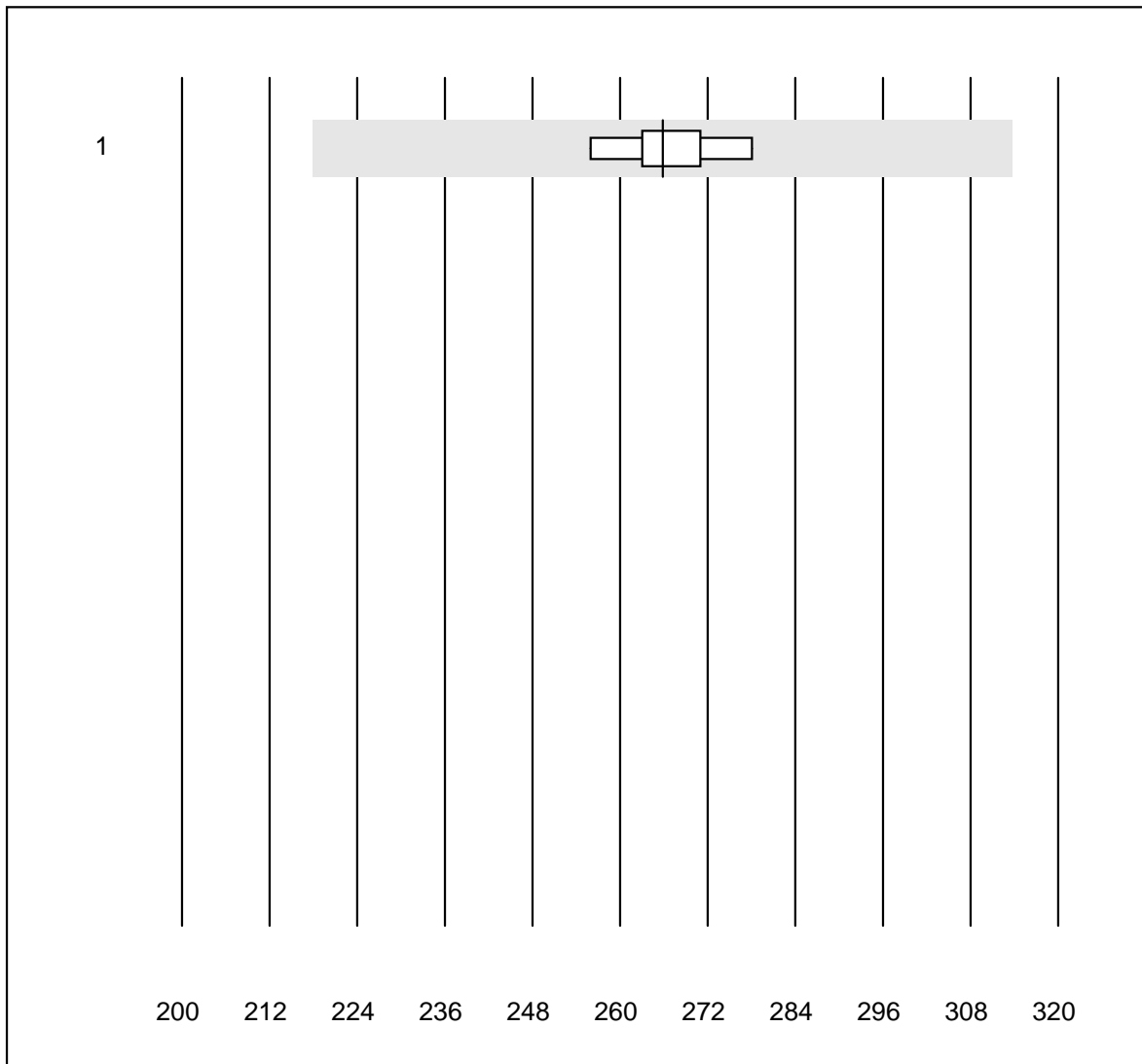


QUALAB tolerance : 18 %

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

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	all Participants	12	100.0	0.0	0.0	97	7.7	e*

Bilirubin neonatal

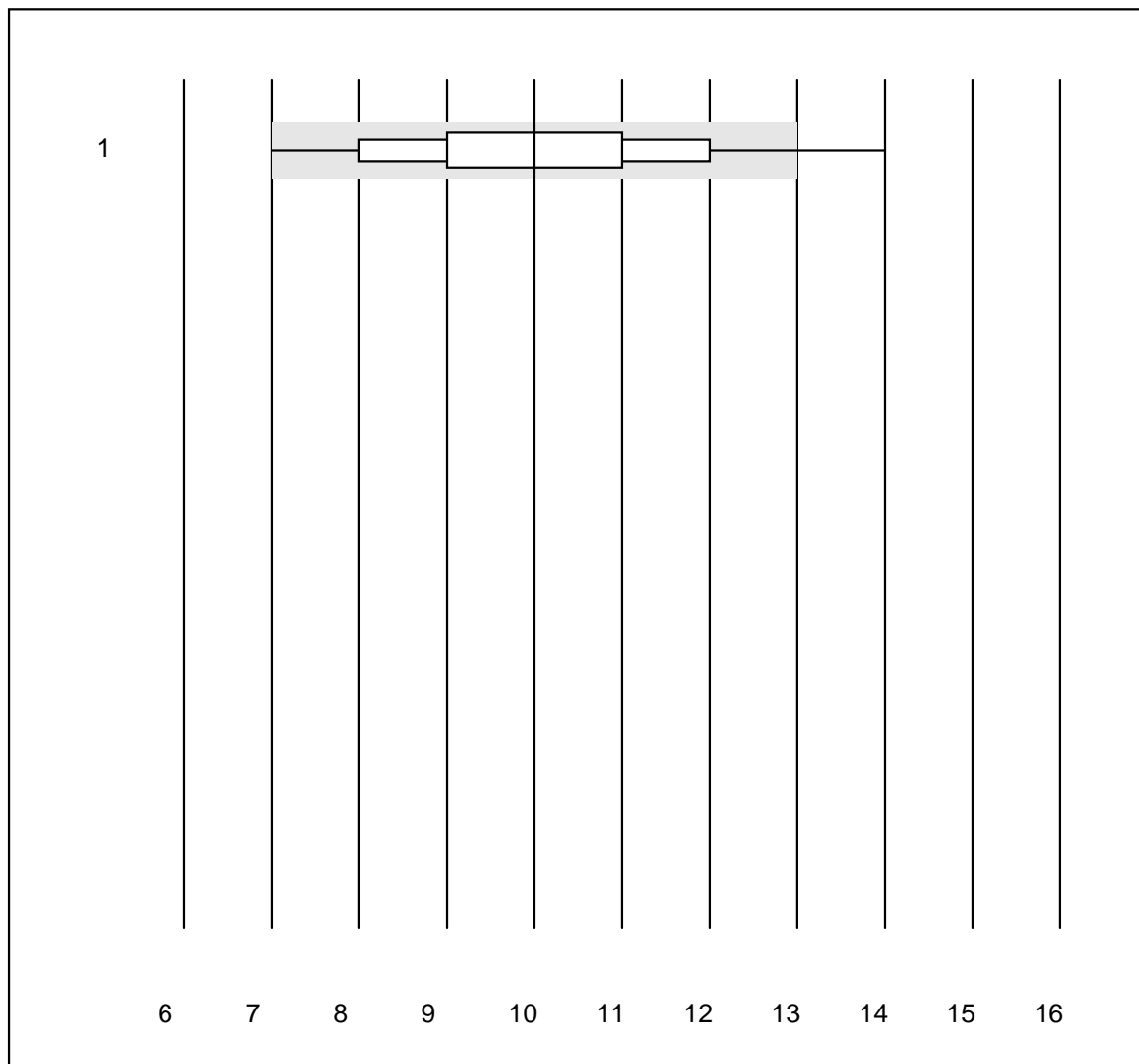


QUALAB tolerance : 18 %

Bilirubin neonatal (µmol/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Type
1	all Participants	6	100.0	0.0	0.0	266	2.8	e

CK-MB

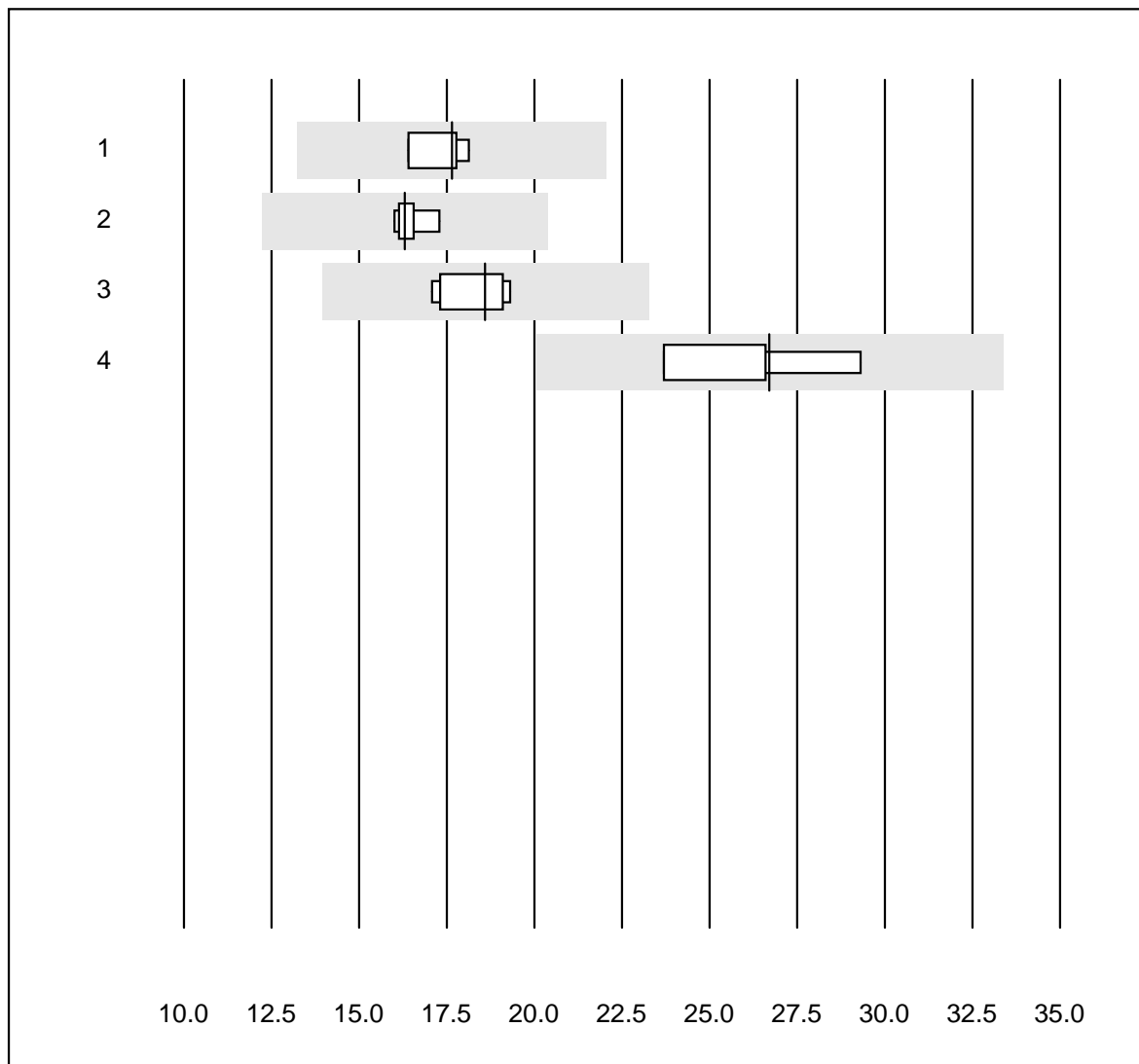


QUALAB tolerance : 30 %

CK-MB (U/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Fuji Dri-Chem	35	80.0	8.6	11.4	10.0	15.5	e

PSA

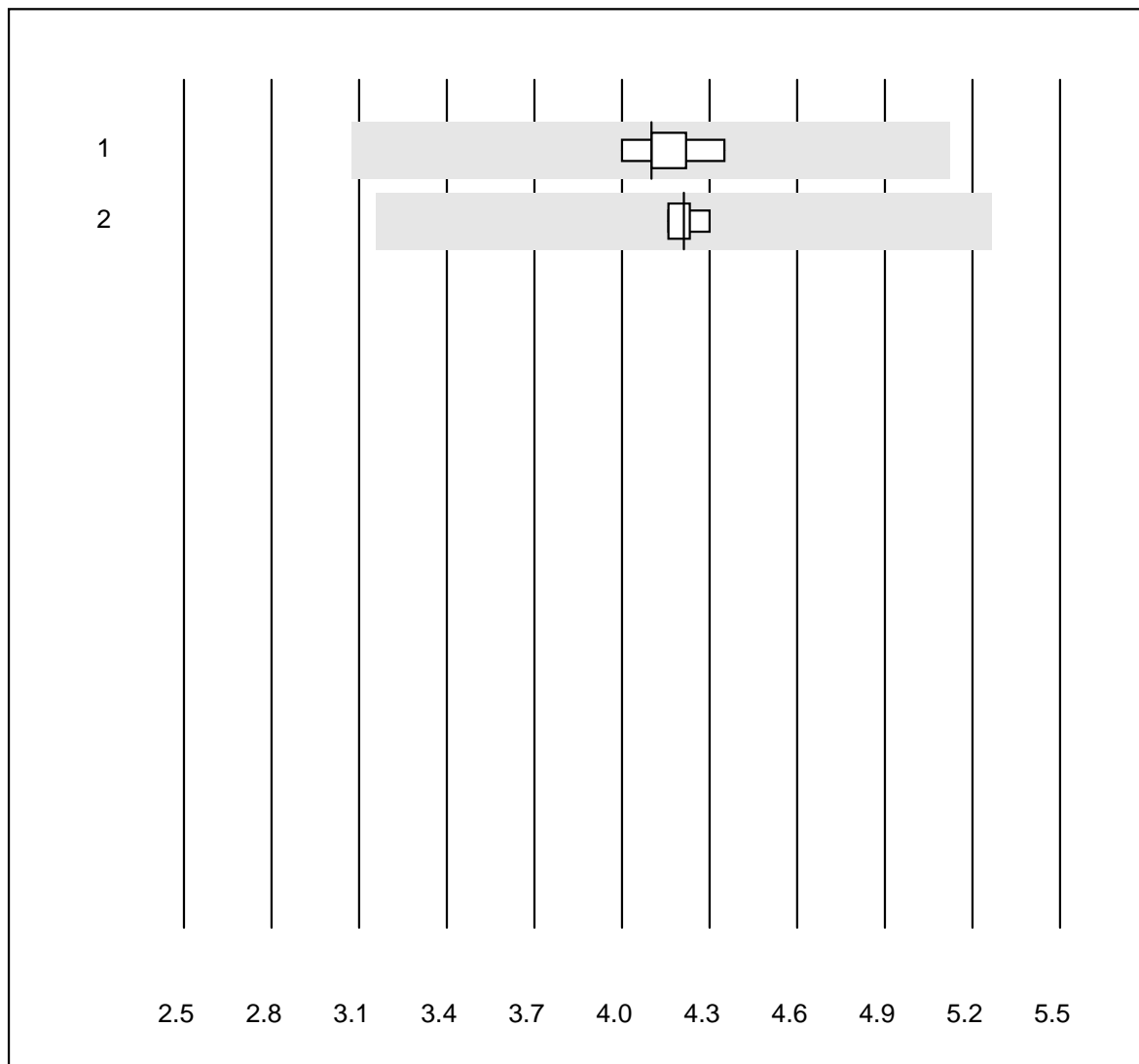


QUALAB tolerance : 25 %

PSA (µg/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Cobas E / Elecsys	8	100.0	0.0	0.0	17.65	3.9	e
2	ADVIA Centaur XP/CP	5	100.0	0.0	0.0	16.30	3.1	e
3	Architect	5	100.0	0.0	0.0	18.60	5.6	e
4	Qualigen	4	100.0	0.0	0.0	26.70	9.9	a

free PSA

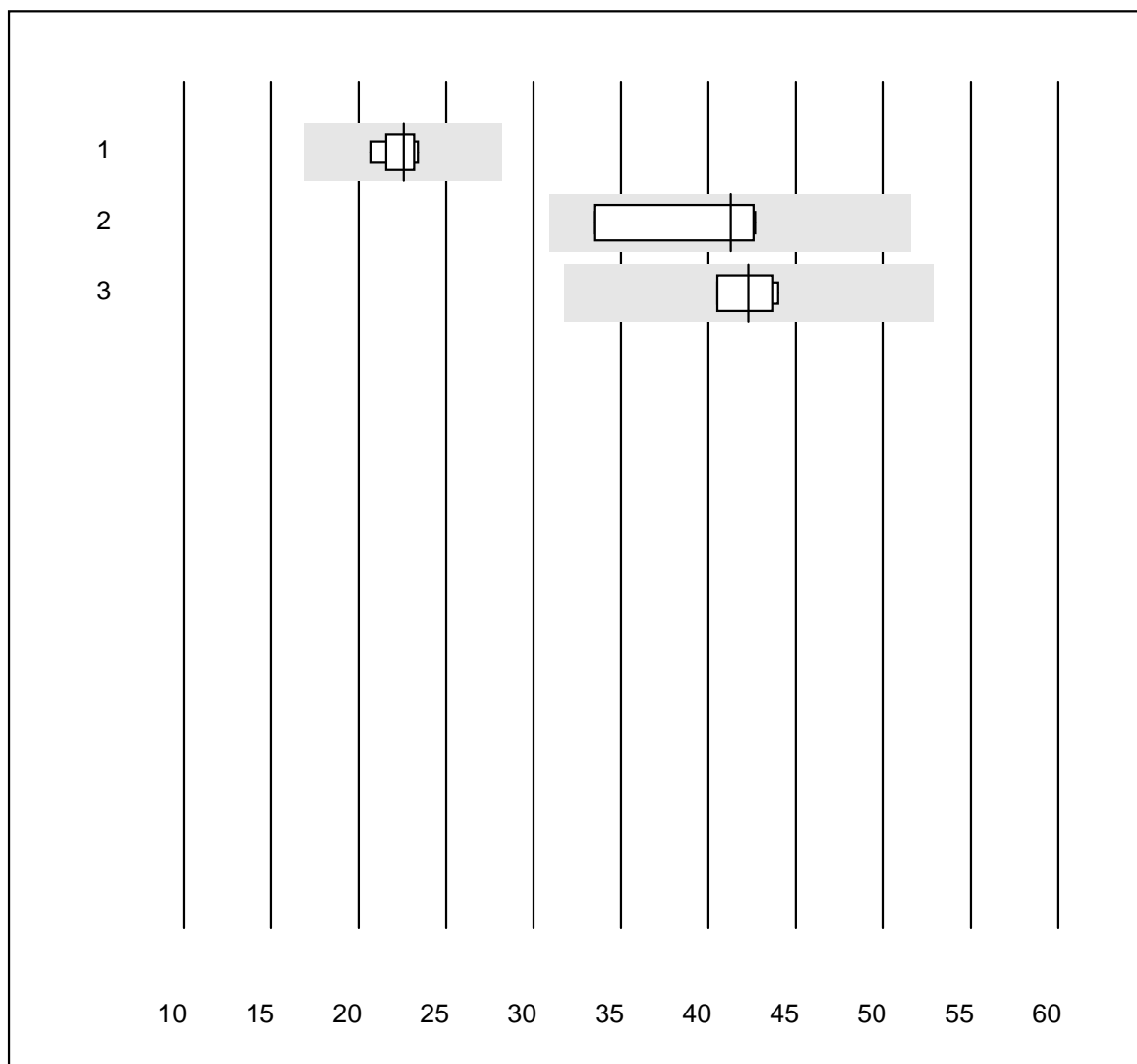


QUALAB tolerance : 25 %

free PSA (µg/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Cobas E / Elecsys	5	100.0	0.0	0.0	4.10	3.2	e
2	Architect	4	100.0	0.0	0.0	4.21	1.4	e

CEA

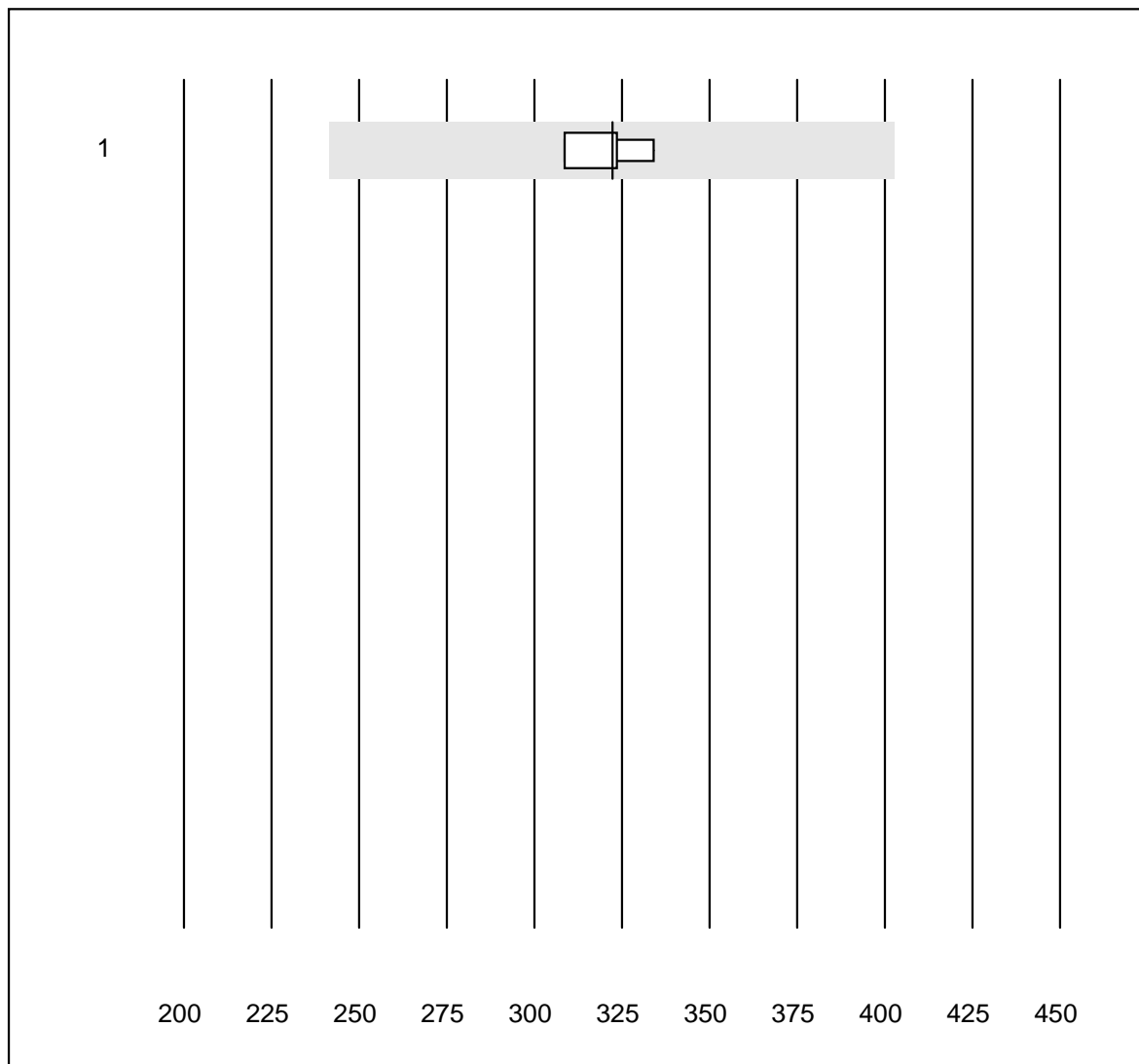


QUALAB tolerance : 25 %

CEA (µg/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Cobas E / Elecsys	5	100.0	0.0	0.0	22.6	5.1	e
2	ADVIA Centaur XP/CP	4	100.0	0.0	0.0	41.3	10.9	e*
3	Architect	4	100.0	0.0	0.0	42.3	4.3	e

CA 125

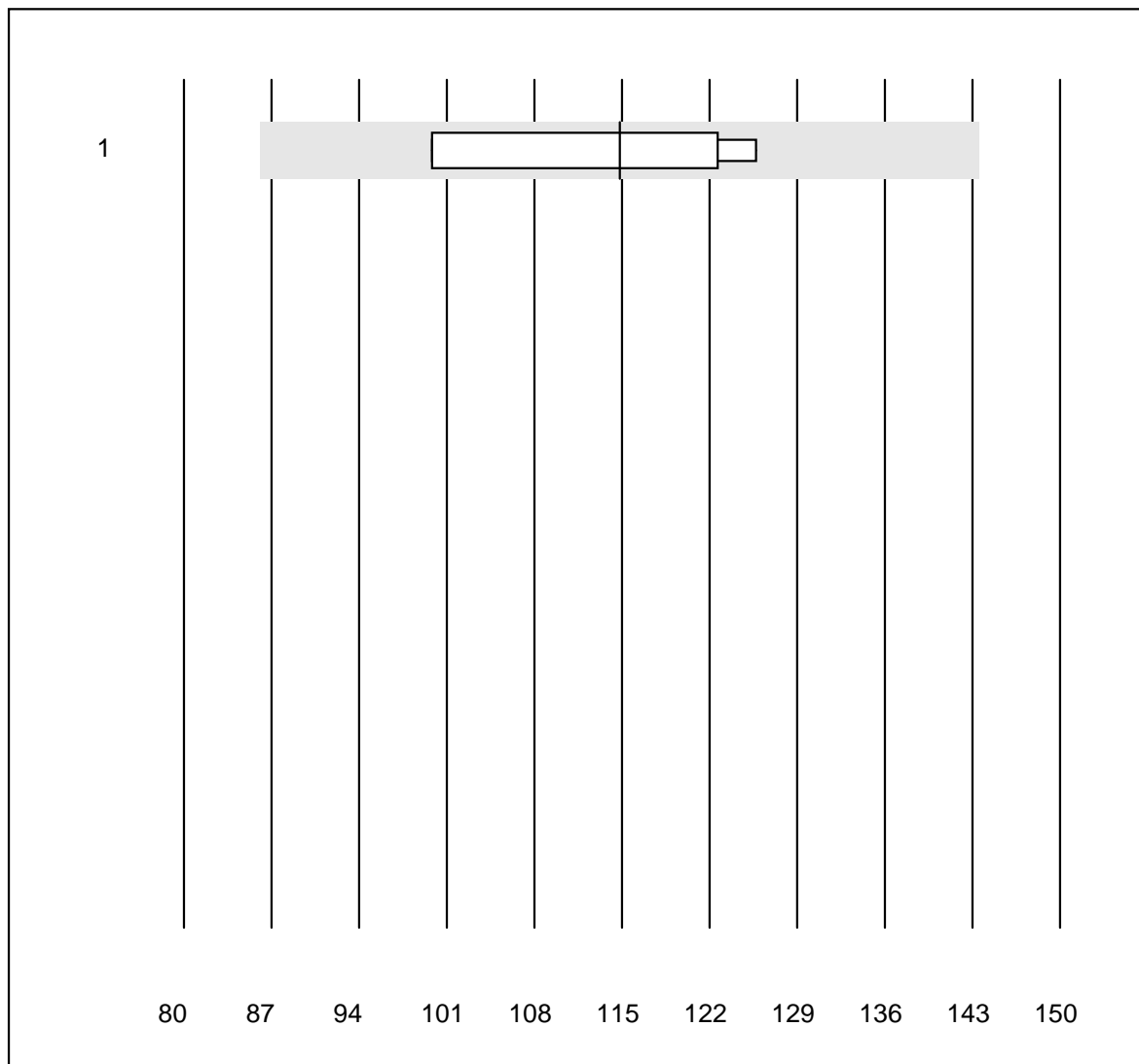


QUALAB tolerance : 25 %

CA 125 (kIU/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Type
1	Architect	4	100.0	0.0	0.0	322.2	3.2	e

CA 15-3

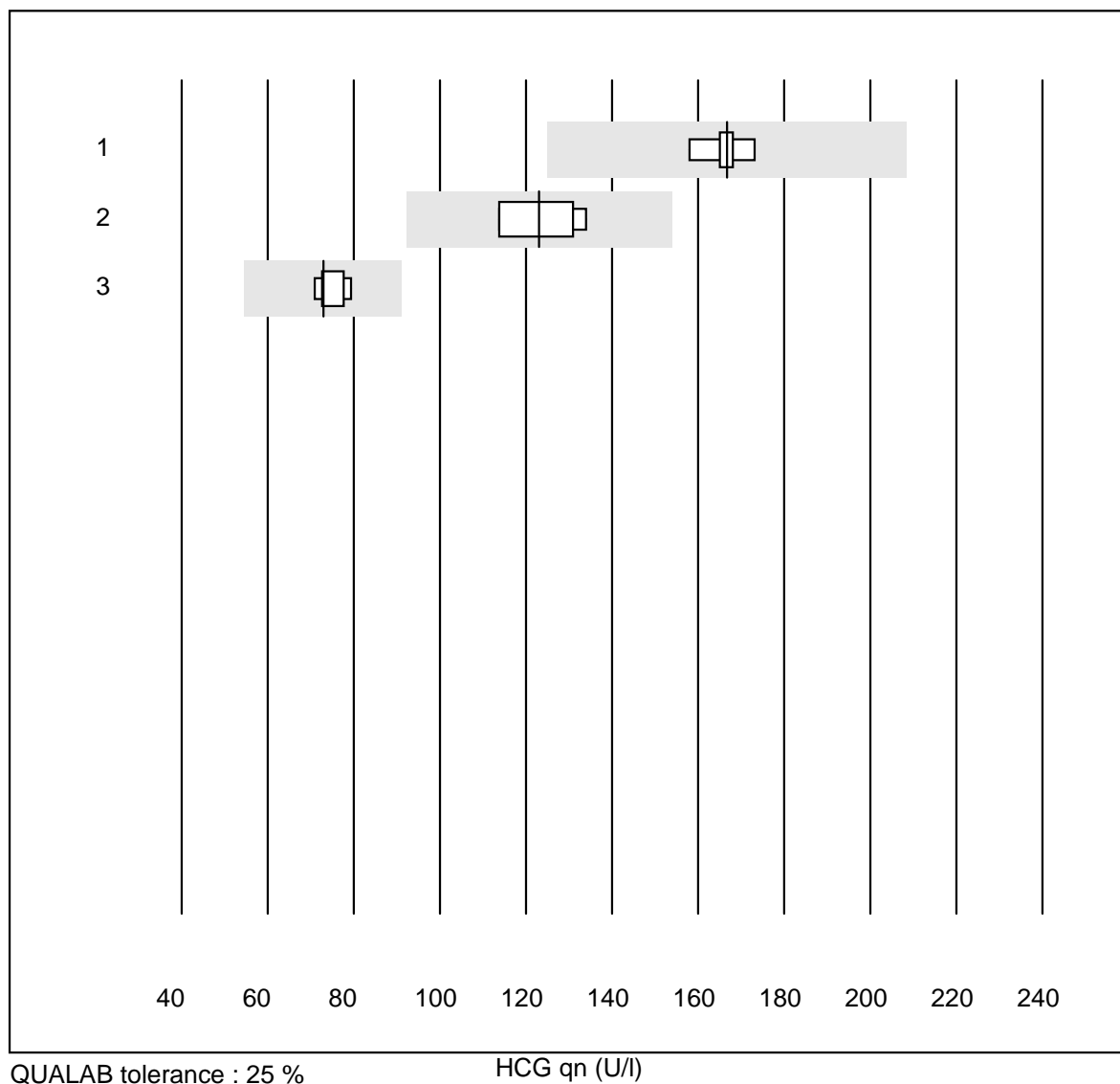


QUALAB tolerance : 25 %

CA 15-3 (kIU/l)

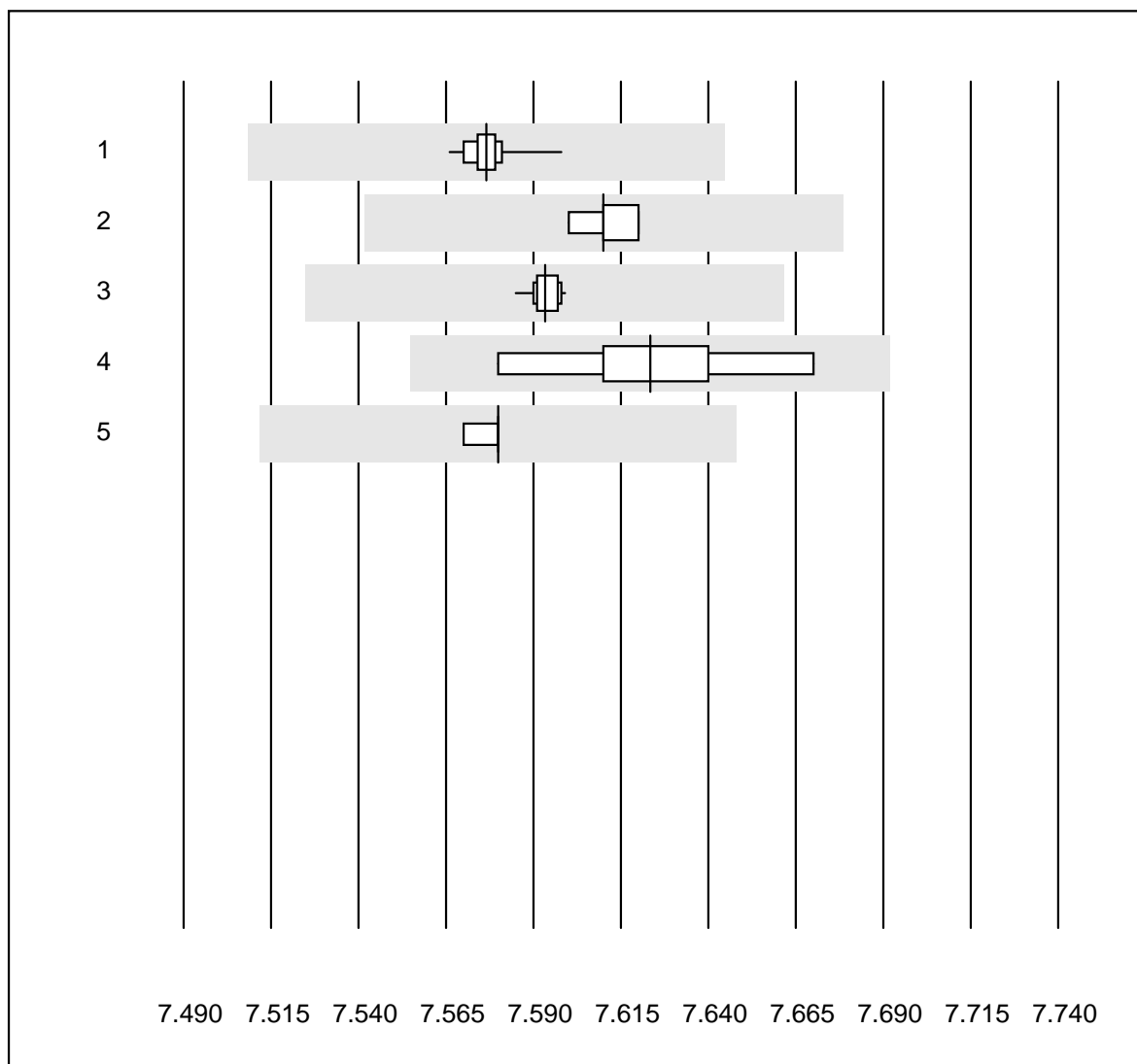
No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Architect	4	100.0	0.0	0.0	114.8	10.9	e*

HCG qn



No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Cobas E / Elecsys	6	100.0	0.0	0.0	167	3.0	e
2	ADVIA Centaur XP/CP	4	100.0	0.0	0.0	123	8.5	e*
3	Vidas	5	100.0	0.0	0.0	73	4.8	e

pH OR

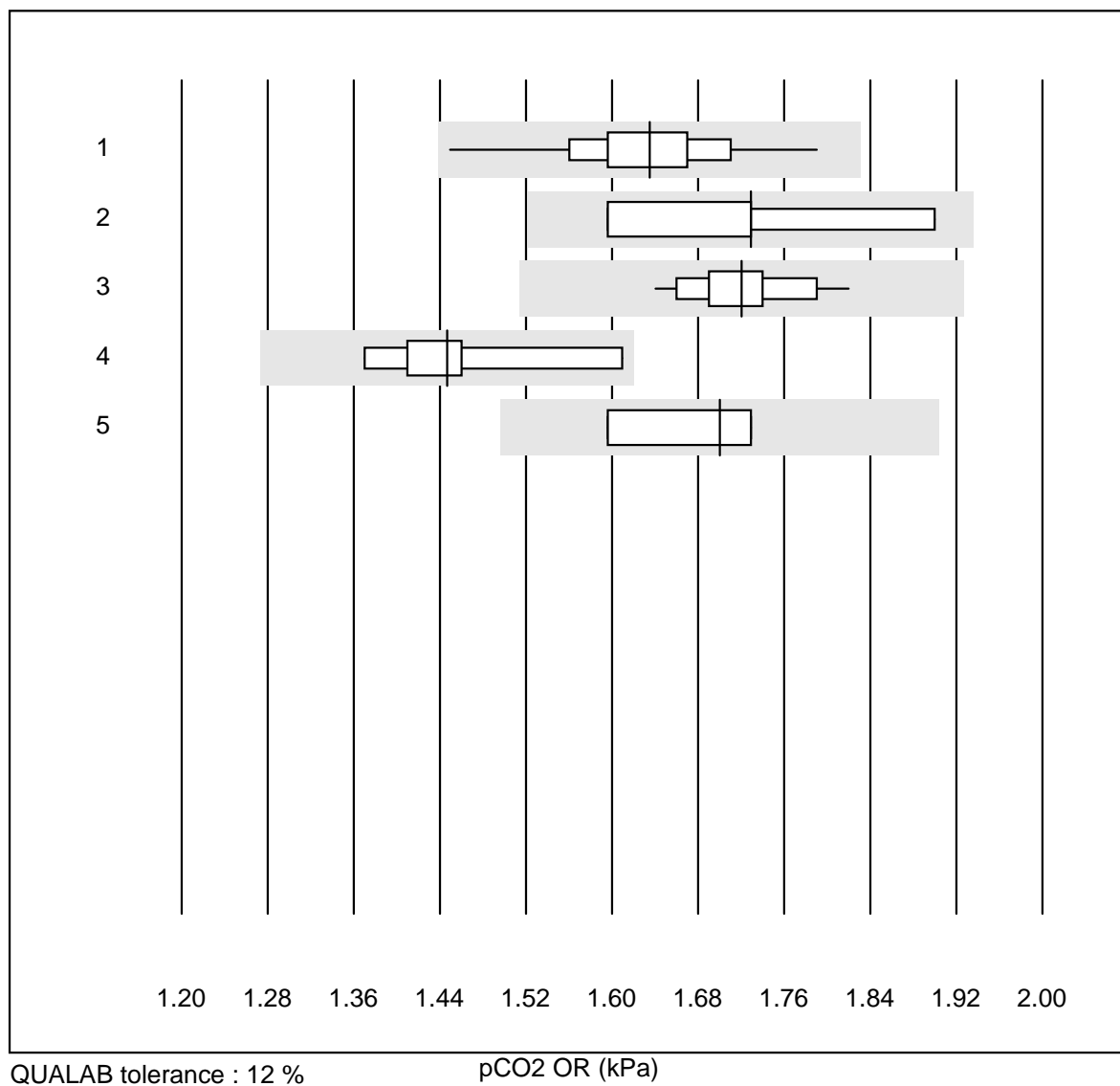


QUALAB tolerance : 1 %

pH OR ()

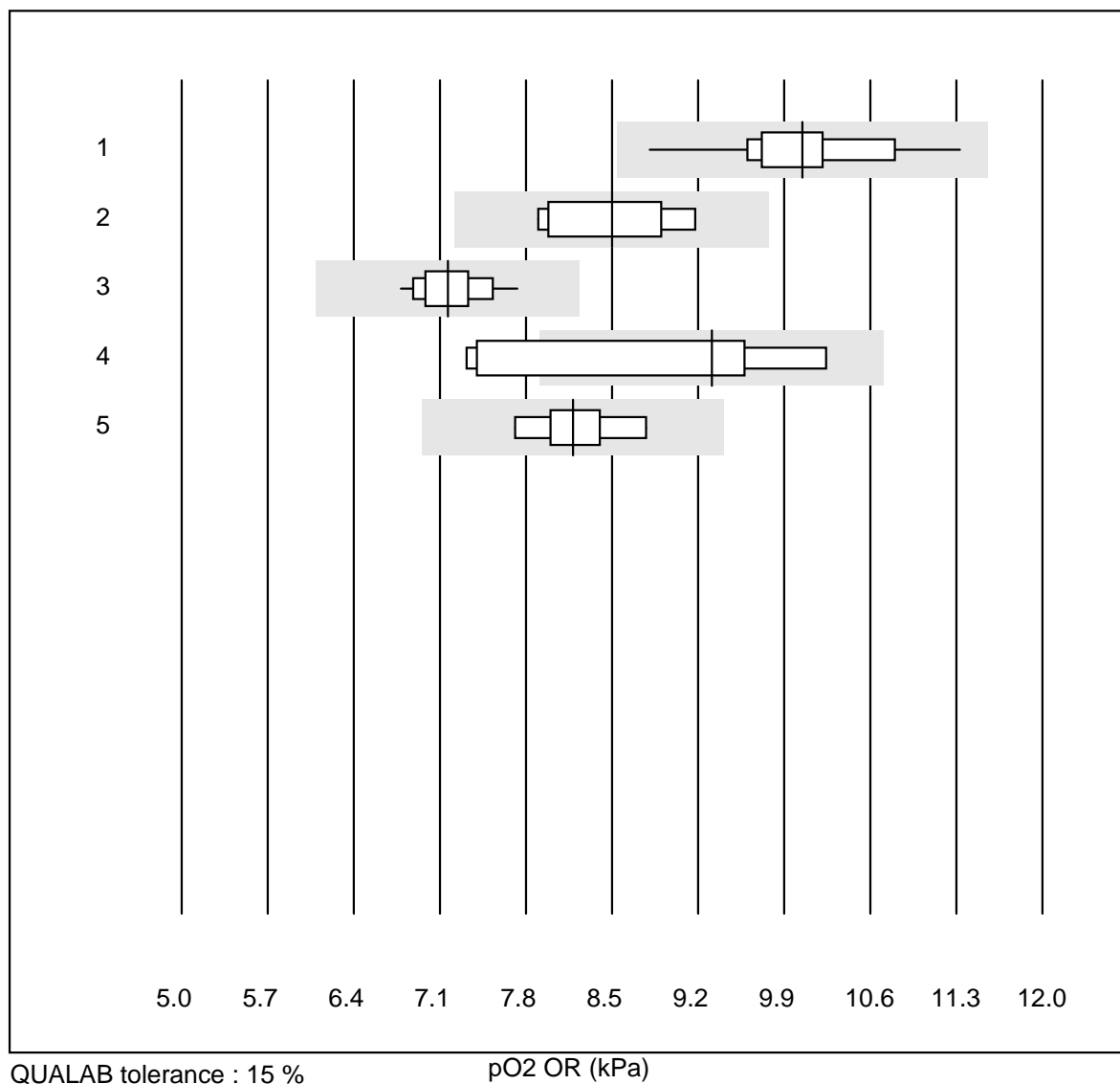
No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	ABL700/800 Radiomete	78	100.0	0.0	0.0	7.58	0.1	e
2	Radiometer NPT-7	8	100.0	0.0	0.0	7.61	0.1	e
3	ABL 90	18	100.0	0.0	0.0	7.59	0.0	e
4	ABL 80 / Coox	9	100.0	0.0	0.0	7.62	0.3	e*
5	ABL 5	6	100.0	0.0	0.0	7.58	0.1	e

pCO2 OR



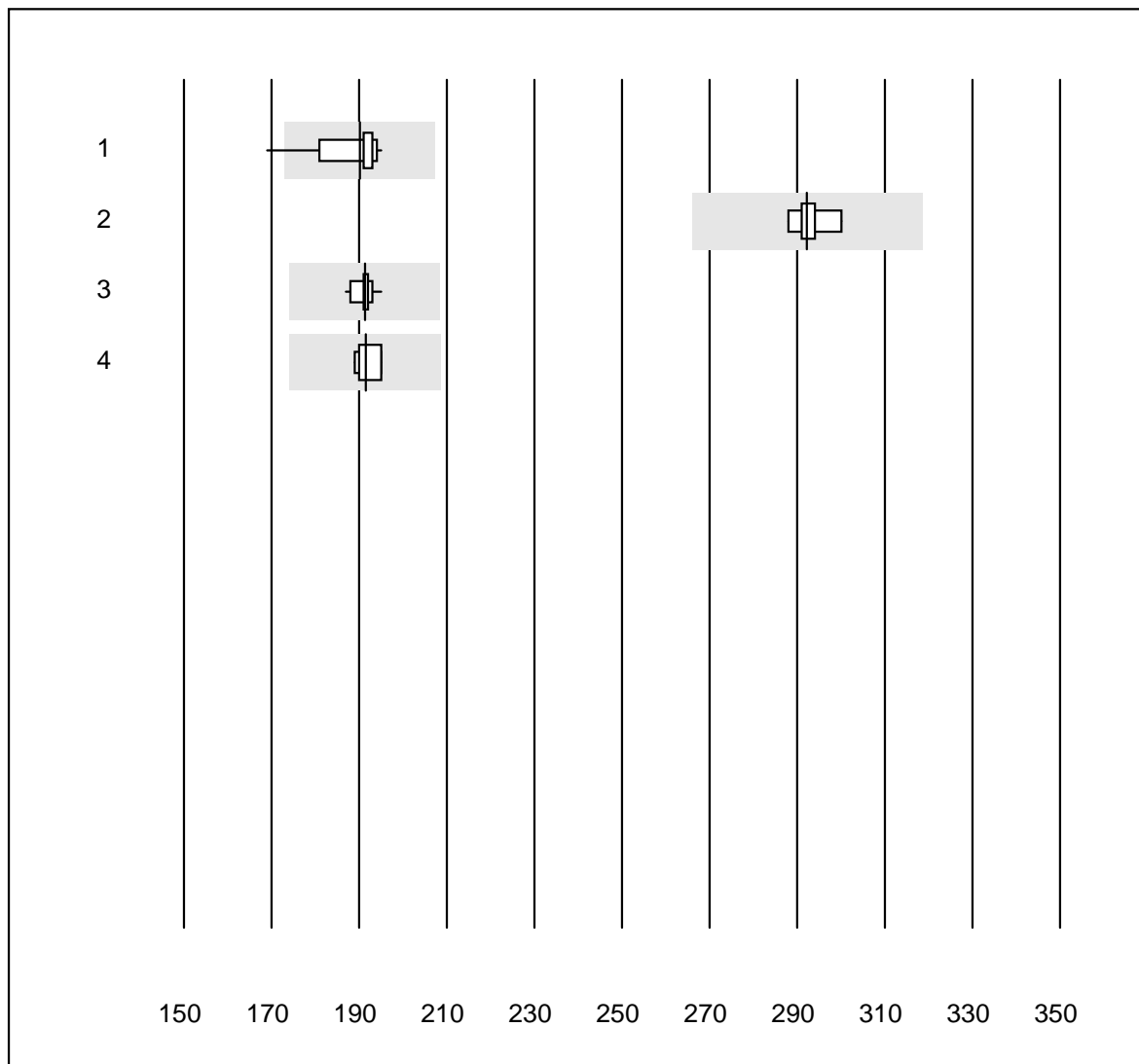
No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	ABL700/800 Radiomete	77	98.7	0.0	1.3	1.64	3.9	e
2	Radiometer NPT-7	8	75.0	0.0	25.0	1.73	6.6	e*
3	ABL 90	18	100.0	0.0	0.0	1.72	2.7	e
4	ABL 80 / Coox	9	66.7	0.0	33.3	1.45	5.8	e*
5	ABL 5	6	100.0	0.0	0.0	1.70	3.7	e*

pO2 OR



No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	ABL700/800 Radiomete	77	98.7	0.0	1.3	10.05	4.5	e
2	Radiometer NPT-7	8	87.5	0.0	12.5	8.50	5.9	a
3	ABL 90	18	94.4	0.0	5.6	7.16	3.6	e
4	ABL 80 / Coox	9	66.7	22.2	11.1	9.31	11.9	e*
5	ABL 5	6	100.0	0.0	0.0	8.18	4.4	e*

ctHb OR

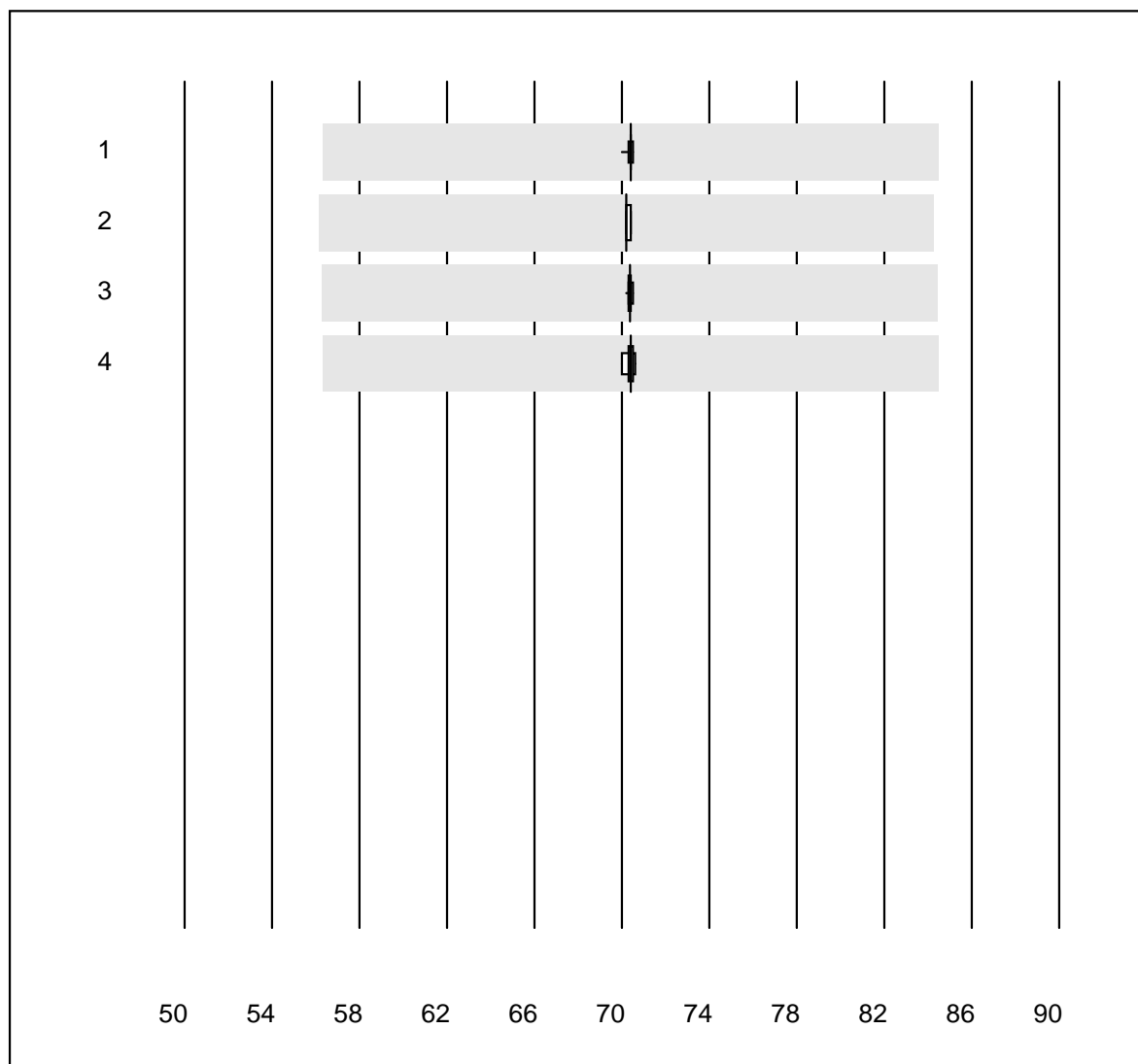


QUALAB tolerance : 9 %

ctHb OR (g/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	ABL700/800 Radiomete	65	93.8	3.1	3.1	190.2	3.0	e
2	Radiometer NPT-7	7	85.7	0.0	14.3	292.2	1.4	e
3	ABL 90	17	100.0	0.0	0.0	191.3	1.0	e
4	ABL 80 / Coox	7	100.0	0.0	0.0	191.5	1.2	e

sO2 OR

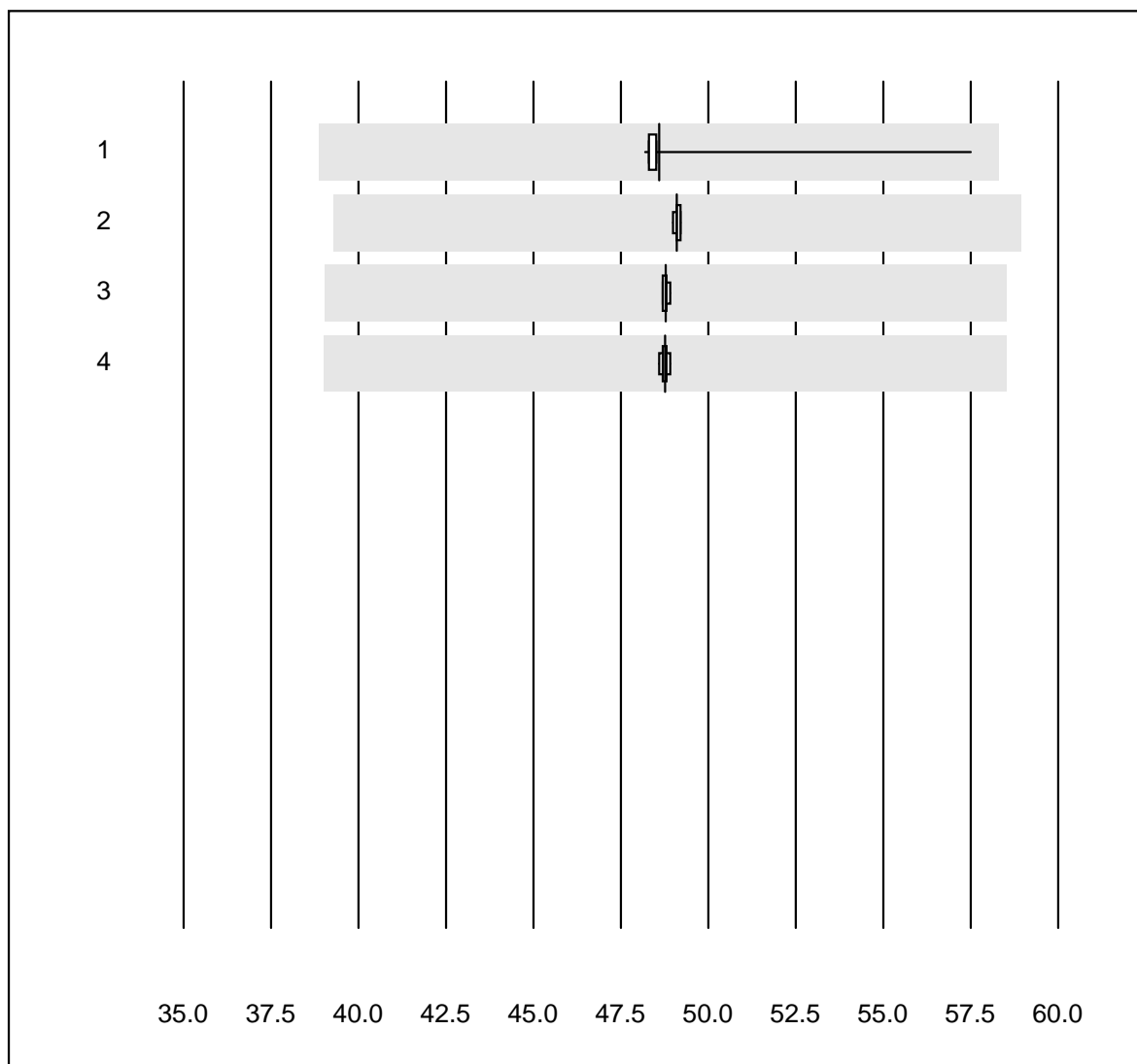


QUALAB tolerance : 20 %

sO2 OR (%)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	ABL700/800 Radiomete	51	100.0	0.0	0.0	70.390	0.1	e
2	Radiometer NPT-7	6	100.0	0.0	0.0	70.200	0.1	e
3	ABL 90	17	100.0	0.0	0.0	70.377	0.1	e
4	ABL 80 / Coox	8	100.0	0.0	0.0	70.400	0.3	e

FO2Hb OR

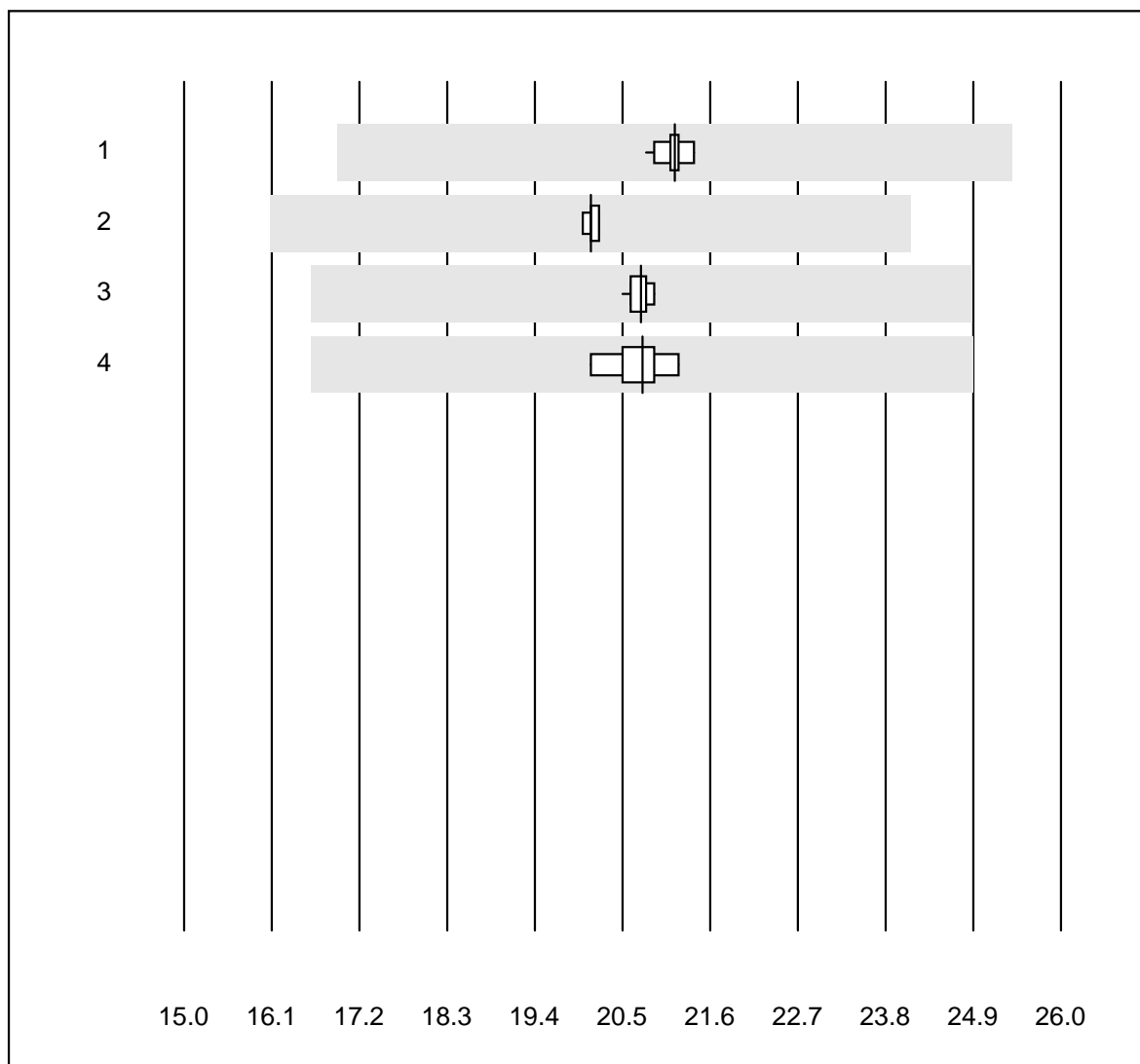


QUALAB tolerance : 20 %

FO2Hb OR (%)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	ABL700/800 Radiomete	48	100.0	0.0	0.0	48.590	2.7	e
2	Radiometer NPT-7	7	100.0	0.0	0.0	49.100	0.1	e
3	ABL 90	17	100.0	0.0	0.0	48.782	0.2	e
4	ABL 80 / Coox	8	100.0	0.0	0.0	48.750	0.2	e

FCOHb OR

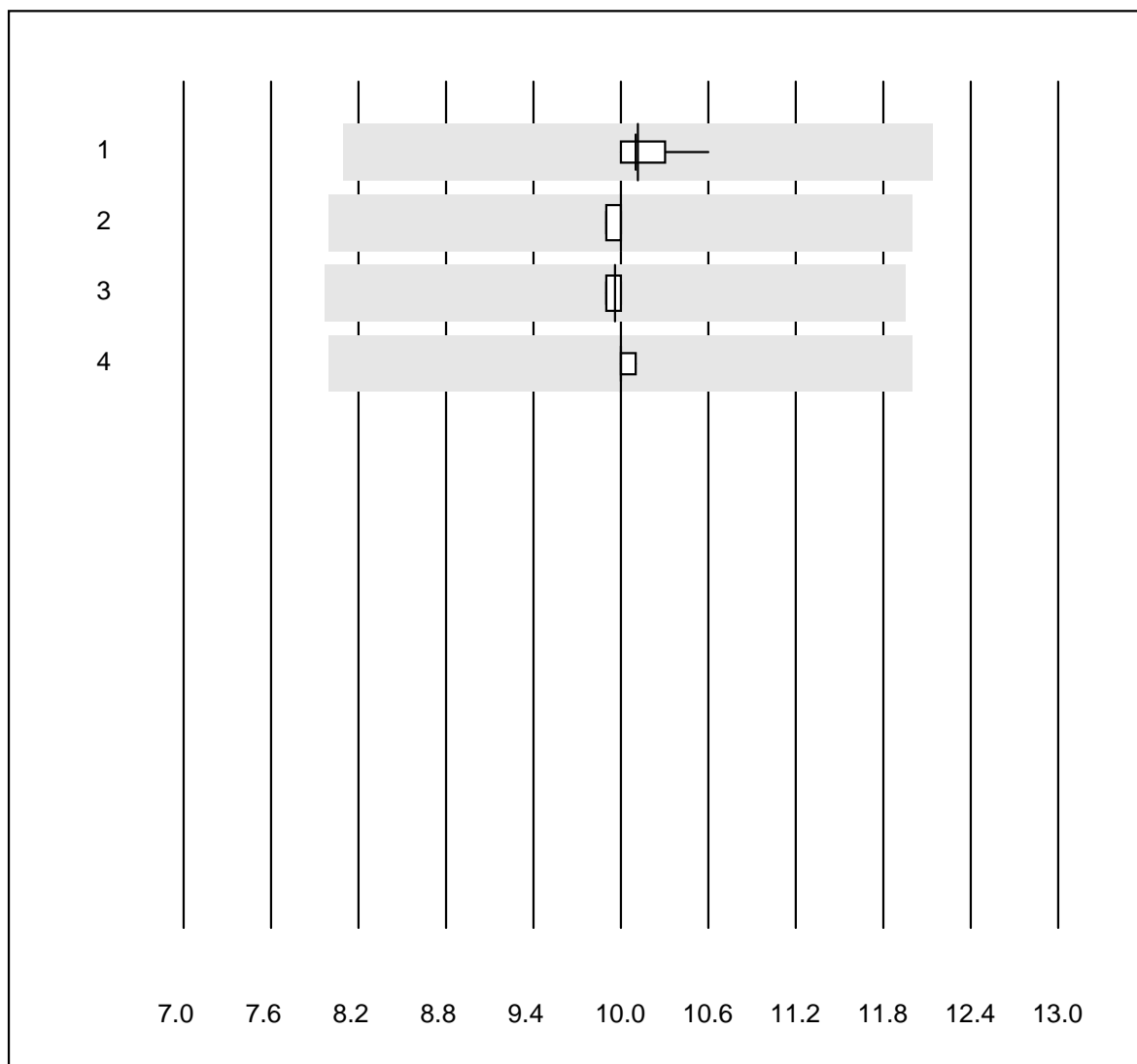


QUALAB tolerance : 20 %

FCOHb OR (%)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	ABL700/800 Radiomete	49	98.0	0.0	2.0	21.156	0.7	e
2	Radiometer NPT-7	7	100.0	0.0	0.0	20.100	0.3	e
3	ABL 90	17	100.0	0.0	0.0	20.735	0.6	e
4	ABL 80 / Coox	8	100.0	0.0	0.0	20.750	1.6	e

FMetHb OR

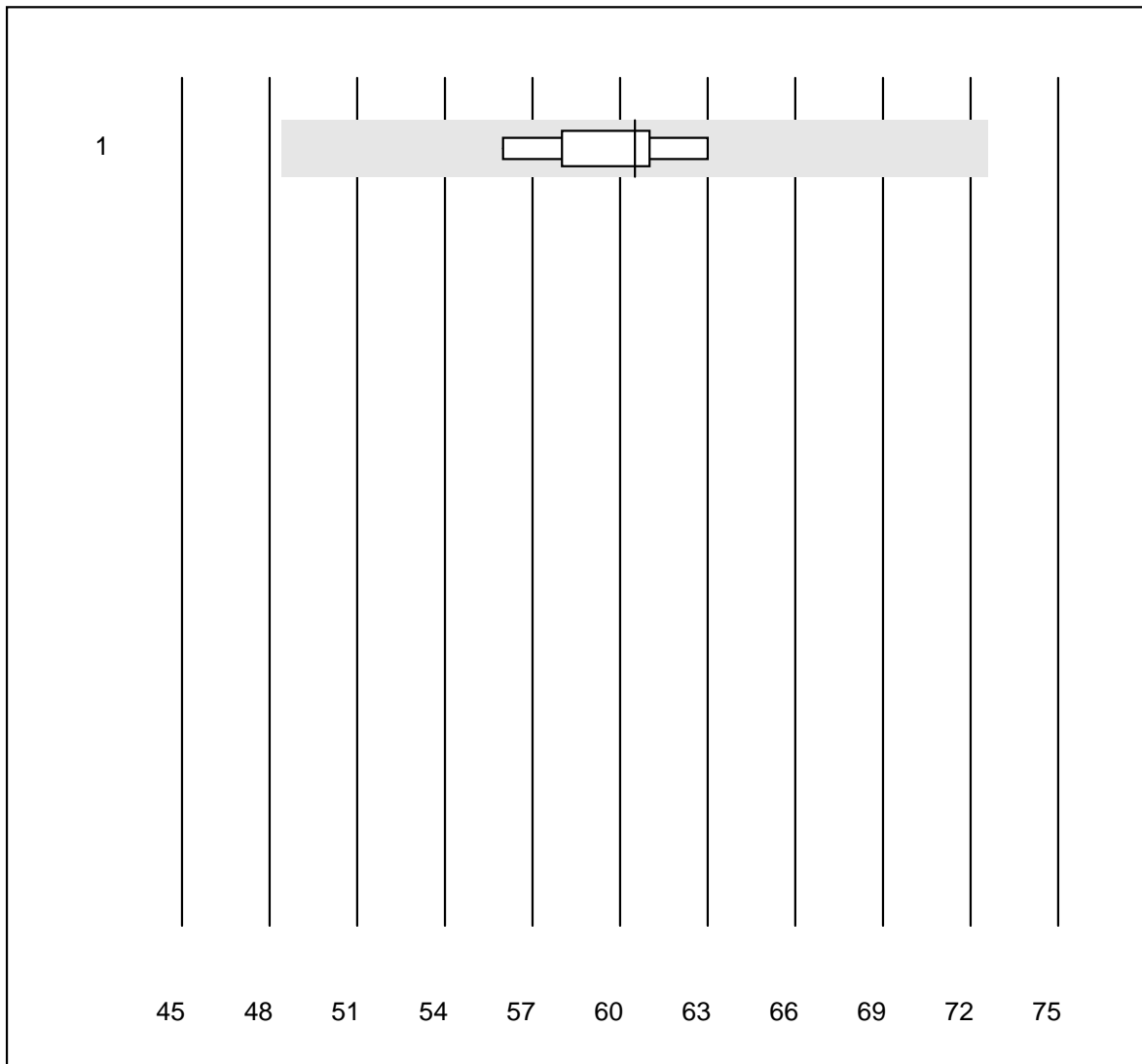


QUALAB tolerance : 20 %

FMetHb OR (%)

No.Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1 ABL700/800 Radiomete	50	98.0	0.0	2.0	10.116	1.2	e
2 Radiometer NPT-7	7	100.0	0.0	0.0	10.000	0.5	e
3 ABL 90	17	100.0	0.0	0.0	9.959	0.5	e
4 ABL 80 / Coox	8	100.0	0.0	0.0	10.000	0.5	e

FHbF OR

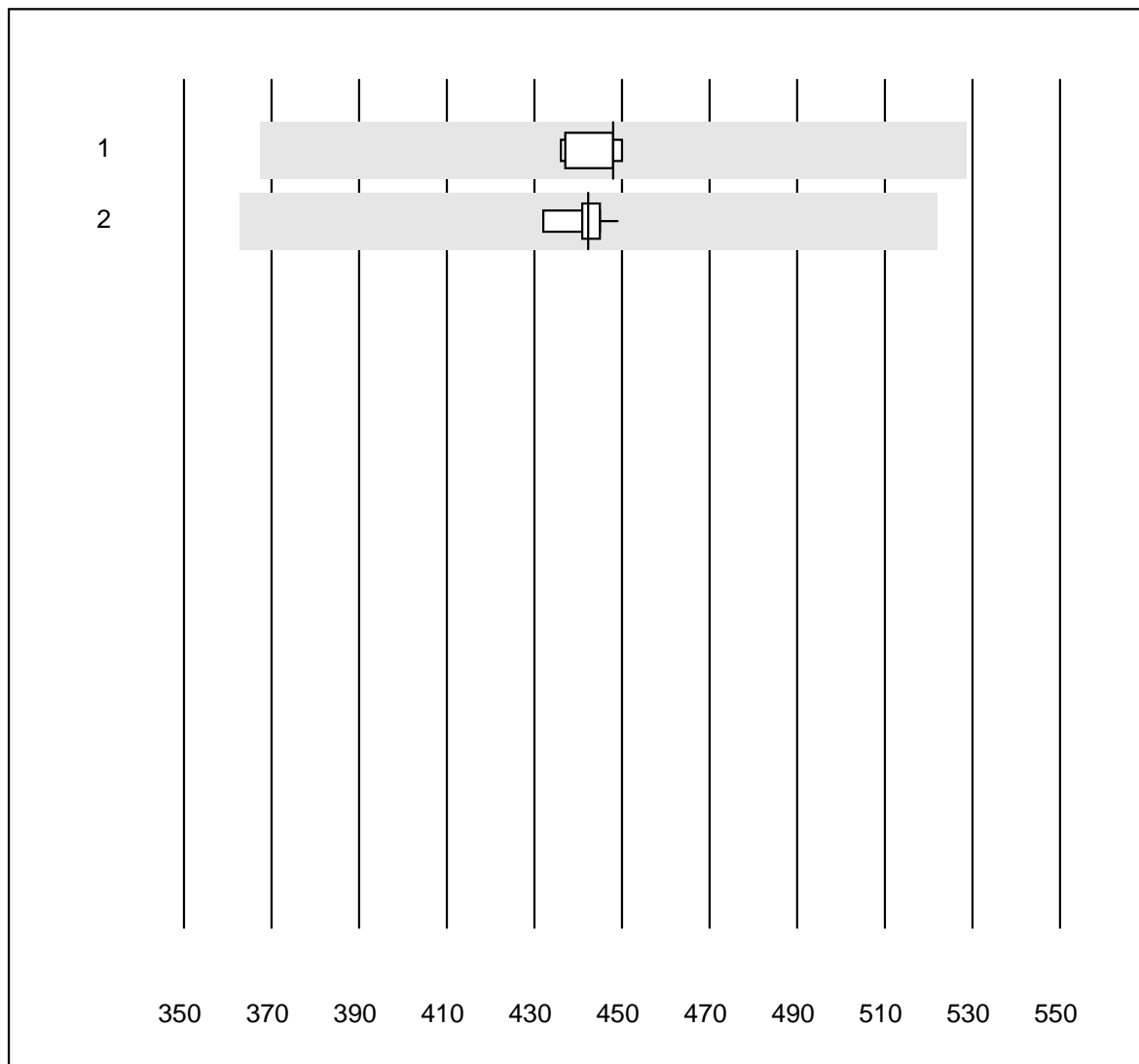


QUALAB tolerance : 20 %

FHbF OR (%)

No.Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1 ABL 90	6	100.0	0.0	0.0	60.500	4.2	e

Bilirubin OR

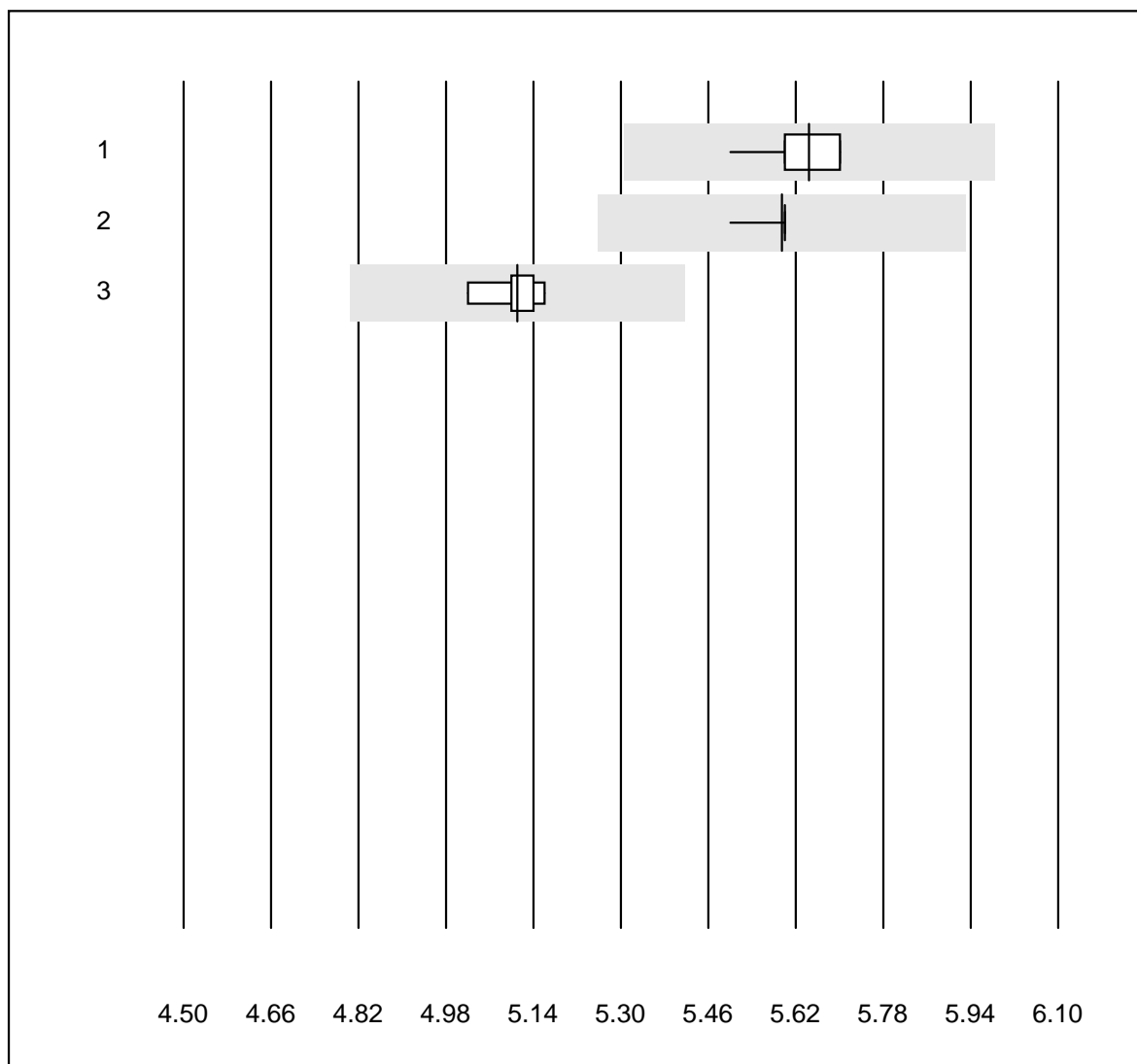


QUALAB tolerance : 18 %

Bilirubin OR (µmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	ABL700/800 Radiomete	8	100.0	0.0	0.0	448.0	1.3	e
2	ABL 90	10	100.0	0.0	0.0	442.3	1.0	e

Potassium OR

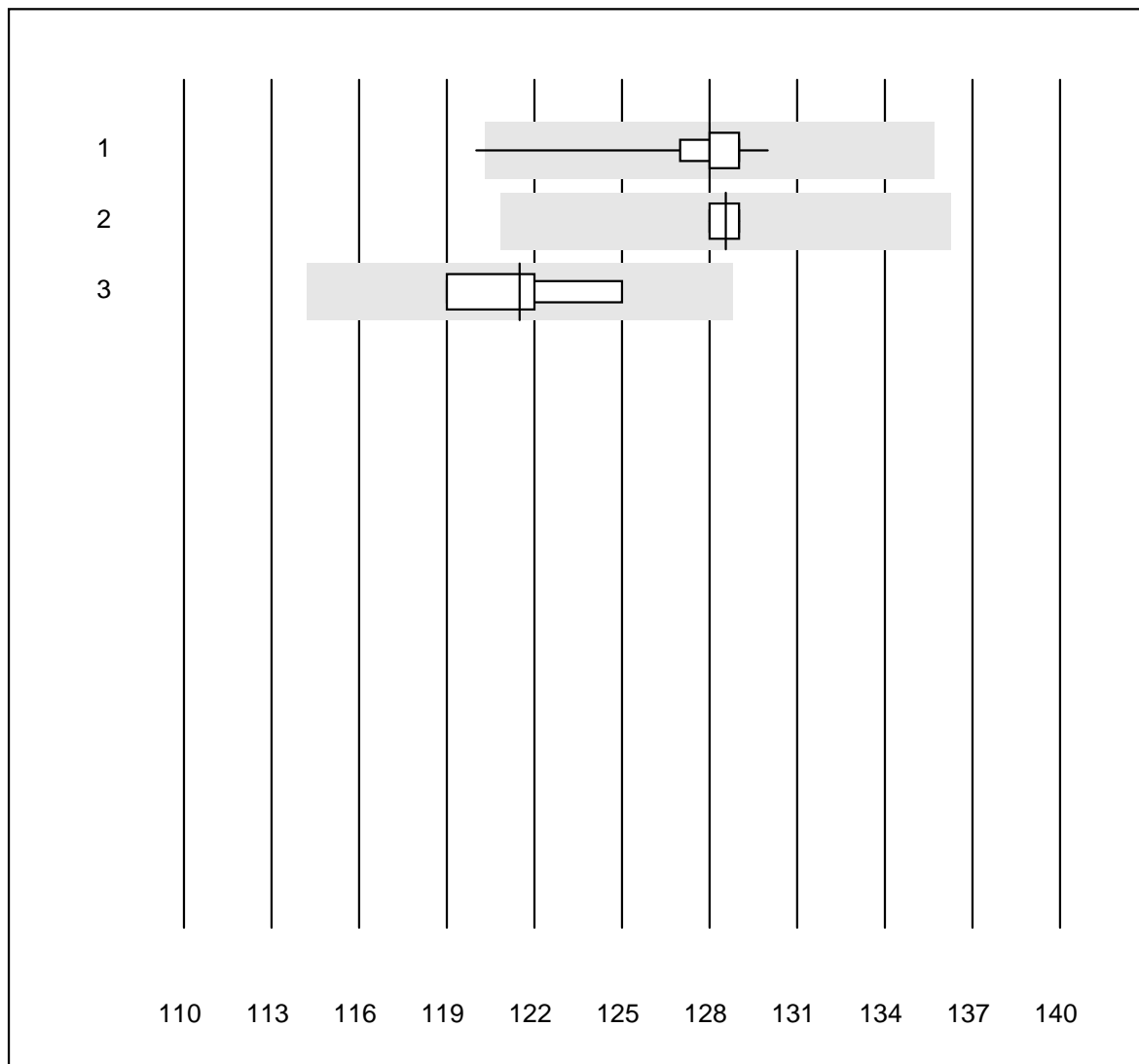


QUALAB tolerance : 6 %

Potassium OR (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	ABL700/800 Radiomete	64	100.0	0.0	0.0	5.6	0.9	e
2	ABL 90	18	100.0	0.0	0.0	5.6	0.4	e
3	ABL 80 / Coox	5	100.0	0.0	0.0	5.1	1.1	e

Sodium OR

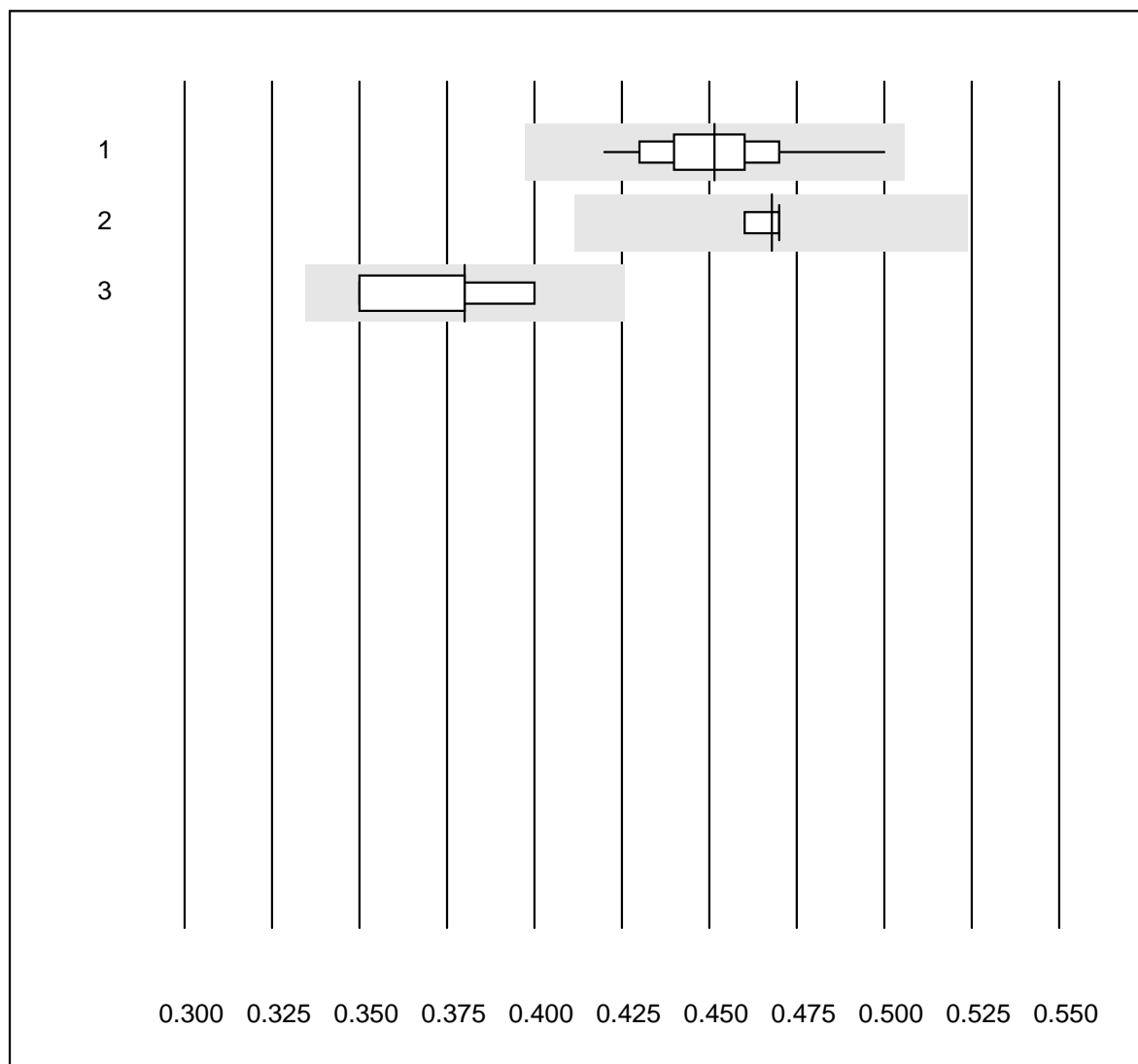


QUALAB tolerance : 6 %

Sodium OR (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	ABL700/800 Radiomete	63	98.4	1.6	0.0	128.0	1.1	e
2	ABL 90	18	100.0	0.0	0.0	128.6	0.4	e
3	ABL 80 / Coox	4	100.0	0.0	0.0	121.5	2.1	e*

Calcium OR

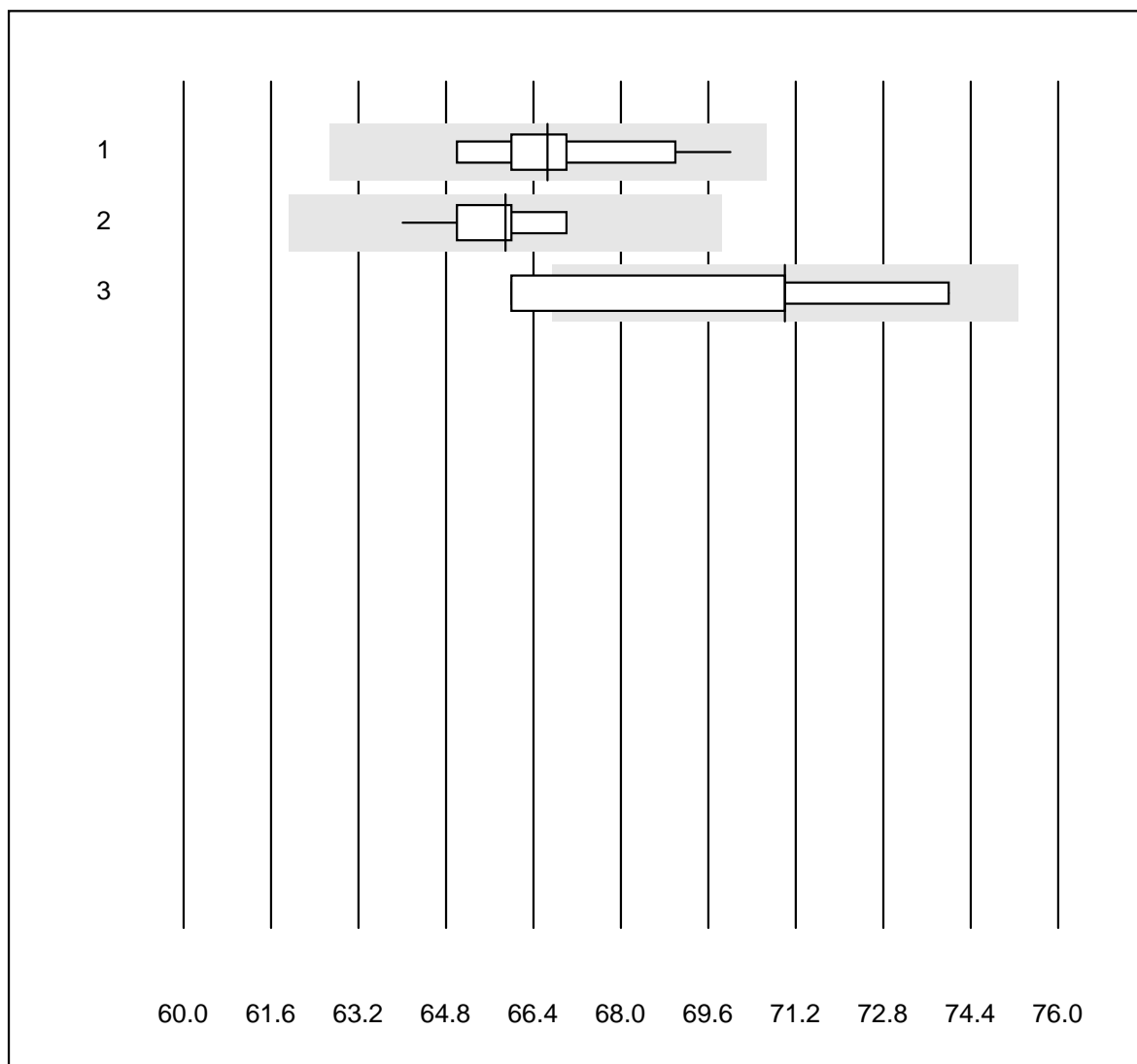


QUALAB tolerance : 12 %

Calcium OR (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	ABL700/800 Radiomete	64	96.9	0.0	3.1	0.45	3.5	e
2	ABL 90	18	100.0	0.0	0.0	0.47	0.9	e
3	ABL 80 / Coox	4	100.0	0.0	0.0	0.38	5.5	e*

Choride OR

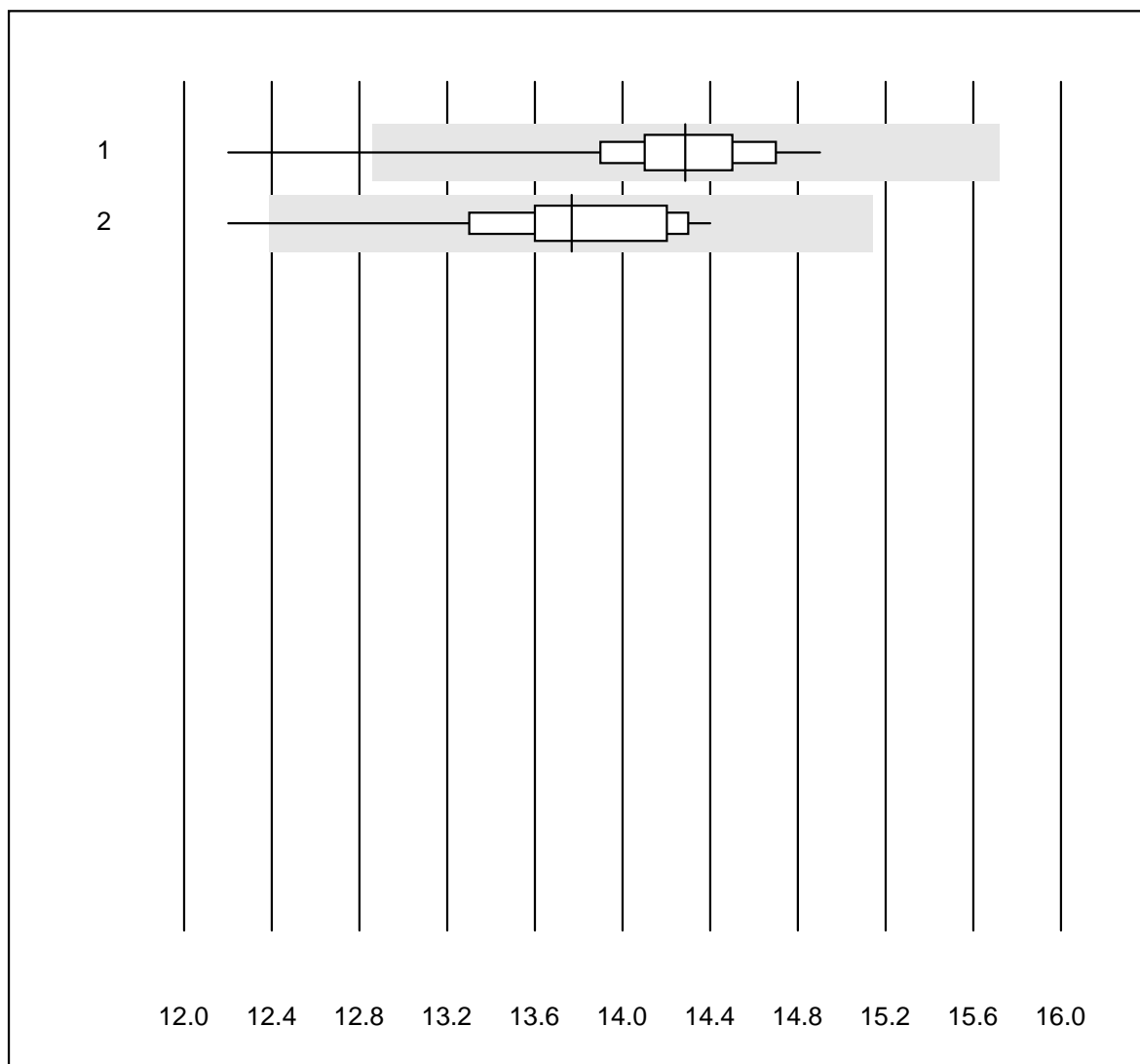


QUALAB tolerance : 6 %

Choride OR (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	ABL700/800 Radiomete	53	100.0	0.0	0.0	66.66	2.1	e
2	ABL 90	17	100.0	0.0	0.0	65.88	1.3	e
3	ABL 80 / Coox	5	60.0	40.0	0.0	71.00	5.0	e*

Glucose OR

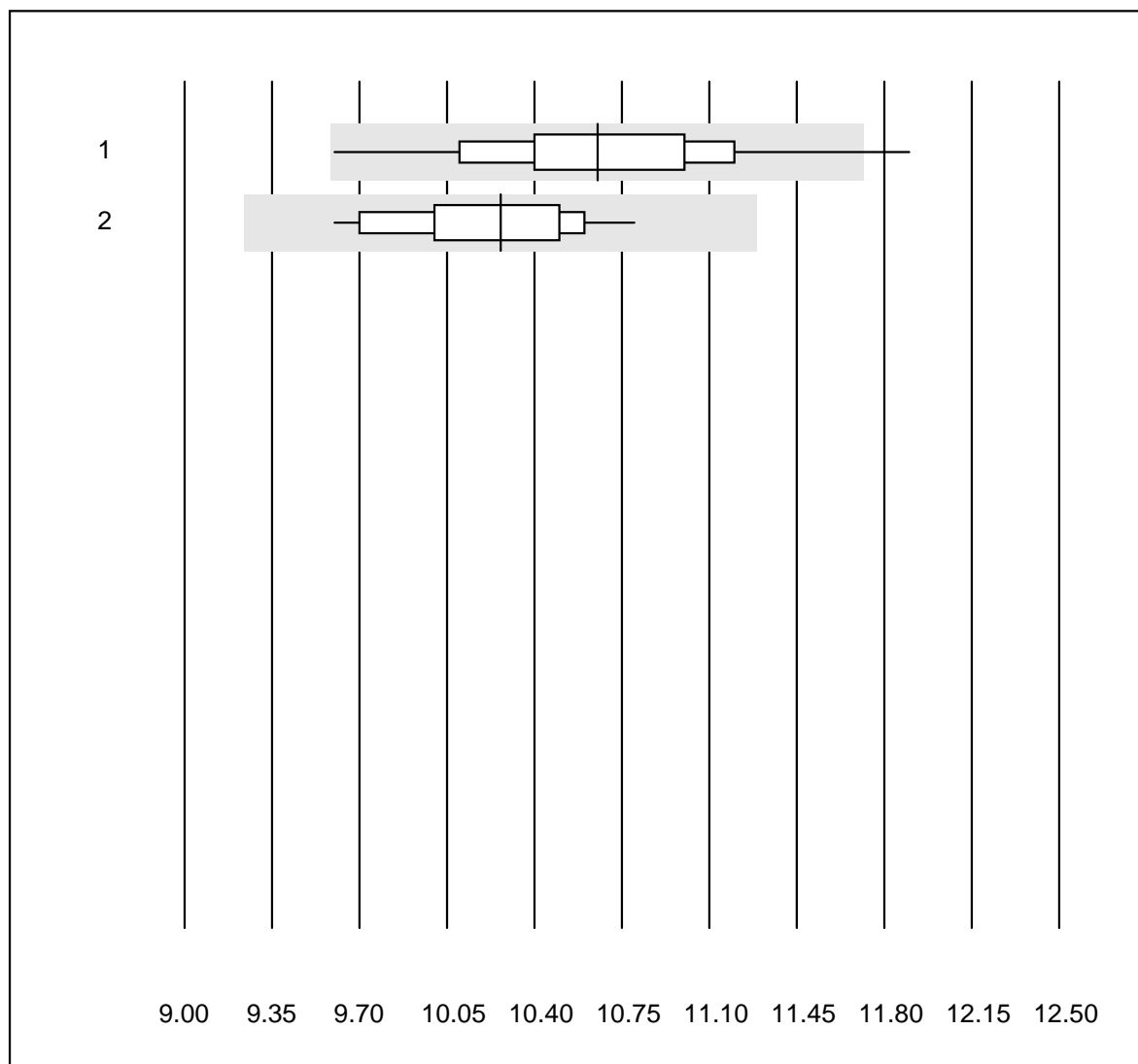


QUALAB tolerance : 10 %

Glucose OR (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	ABL700/800 Radiomete	64	96.8	1.6	1.6	14.3	2.7	e
2	ABL 90	18	94.4	5.6	0.0	13.8	3.8	e

Lactate OR

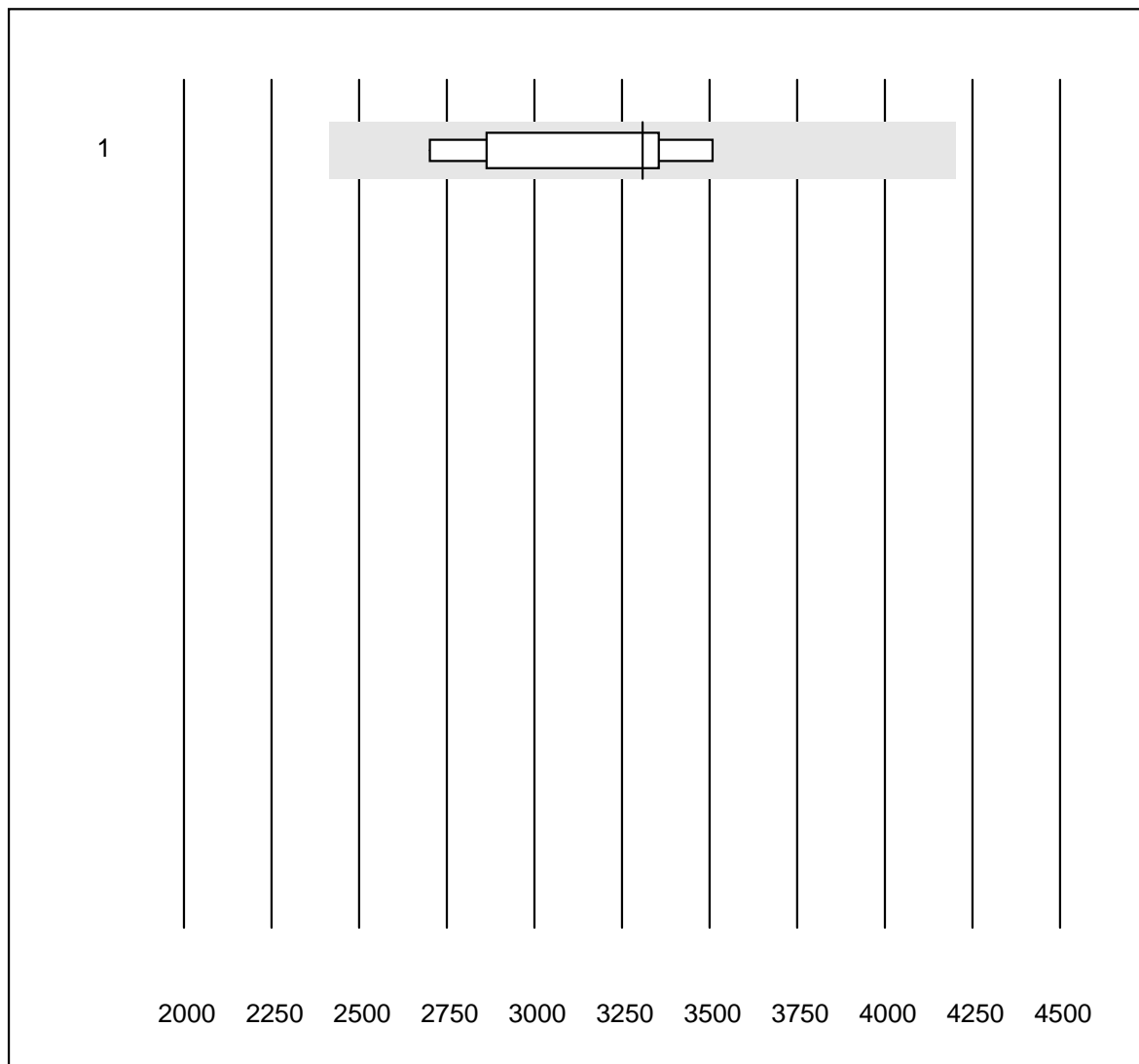


QUALAB tolerance : 10 %

Lactate OR (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	ABL700/800 Radiometre	66	98.5	1.5	0.0	10.65	4.0	e
2	ABL 90	18	94.4	0.0	5.6	10.26	3.5	e

BNP Plasma

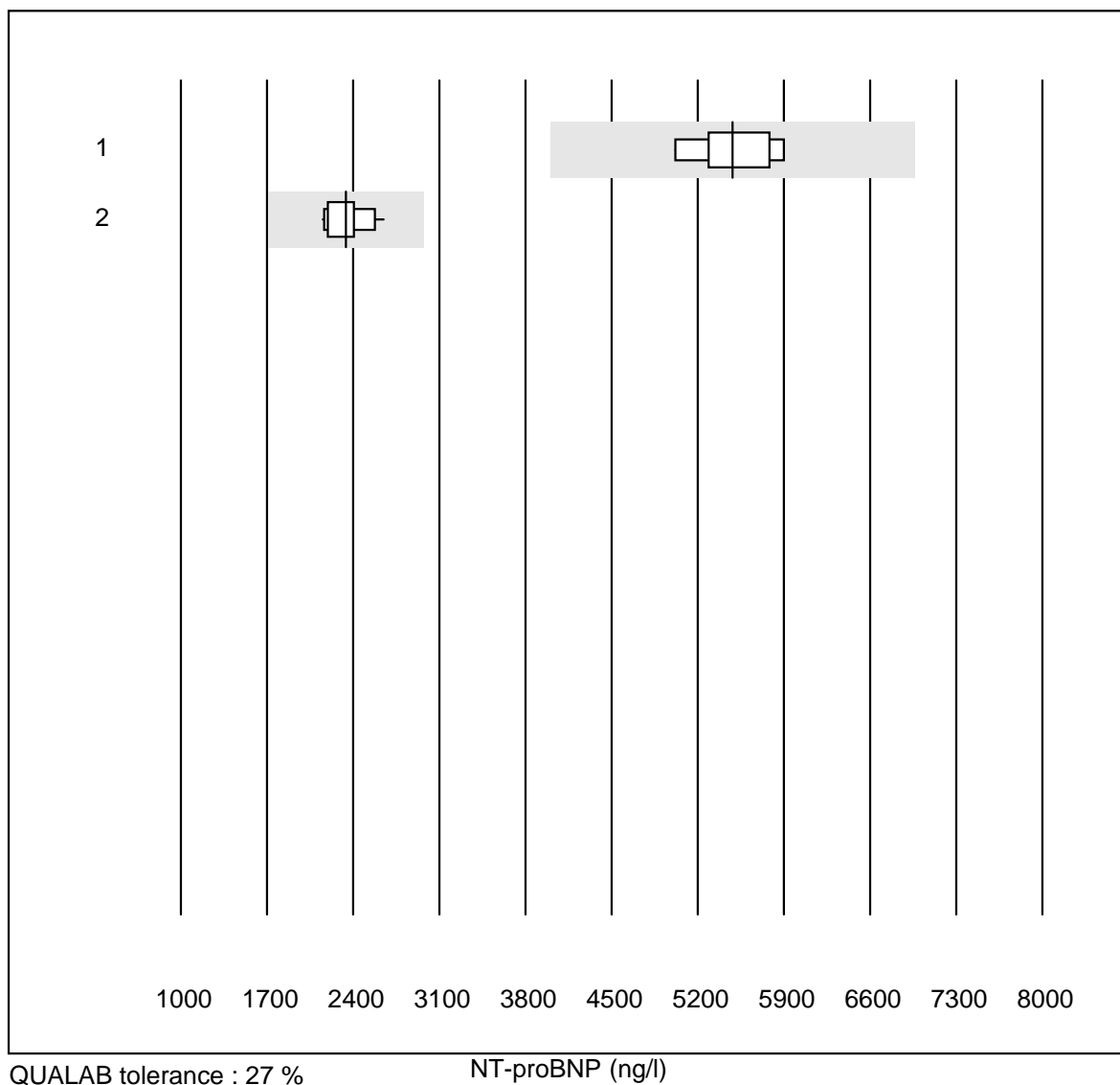


QUALAB tolerance : 27 %

BNP Plasma (ng/l)

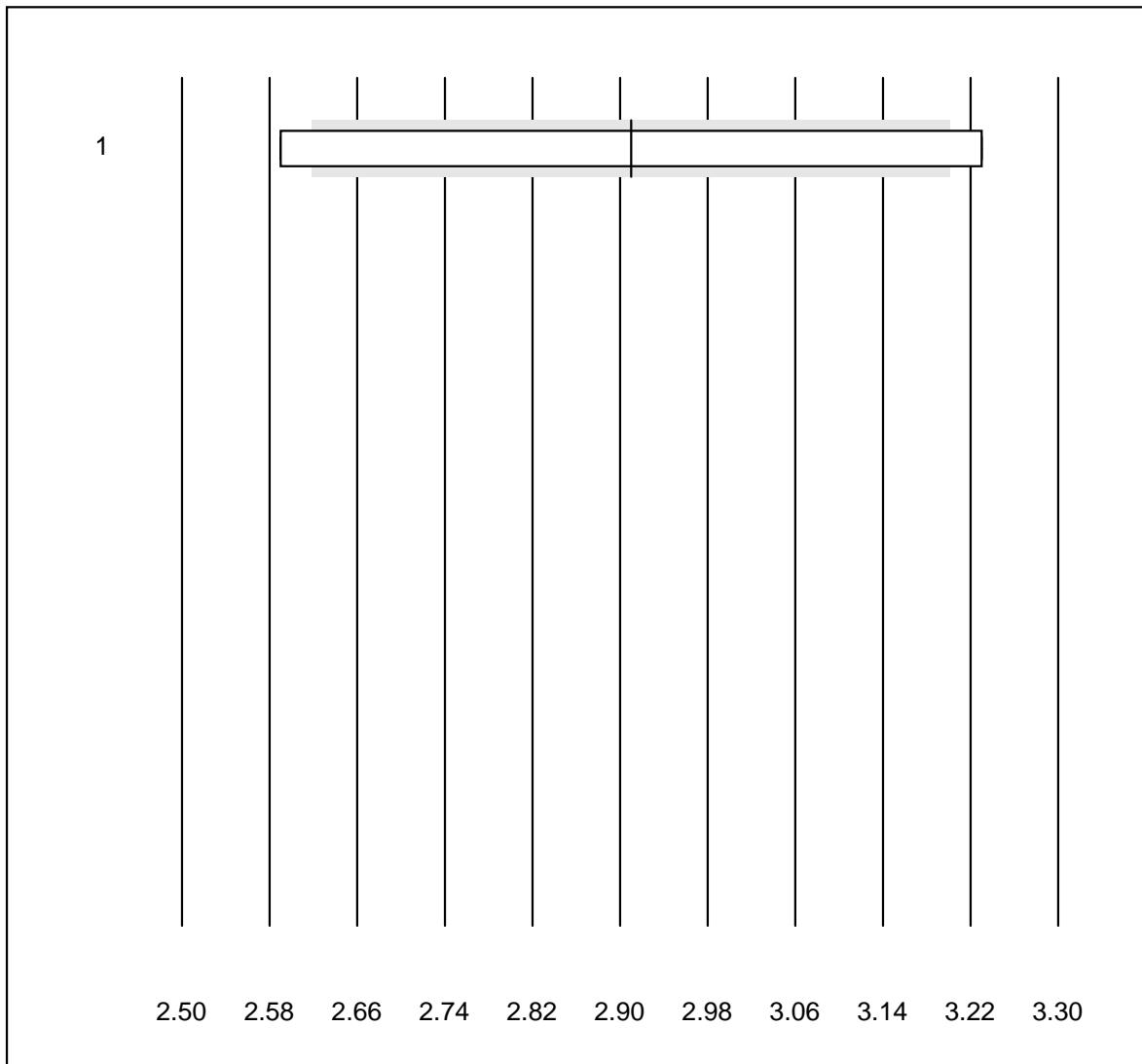
No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	ADVIA Centaur XP/CP	5	100.0	0.0	0.0	3308.0	11.0	e*

NT-proBNP



No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	AQT 90 FLEX	6	100.0	0.0	0.0	5485.0	6.2	e
2	Cobas E / Elecsys	12	100.0	0.0	0.0	2341.5	6.7	e

Cholesterin PTS

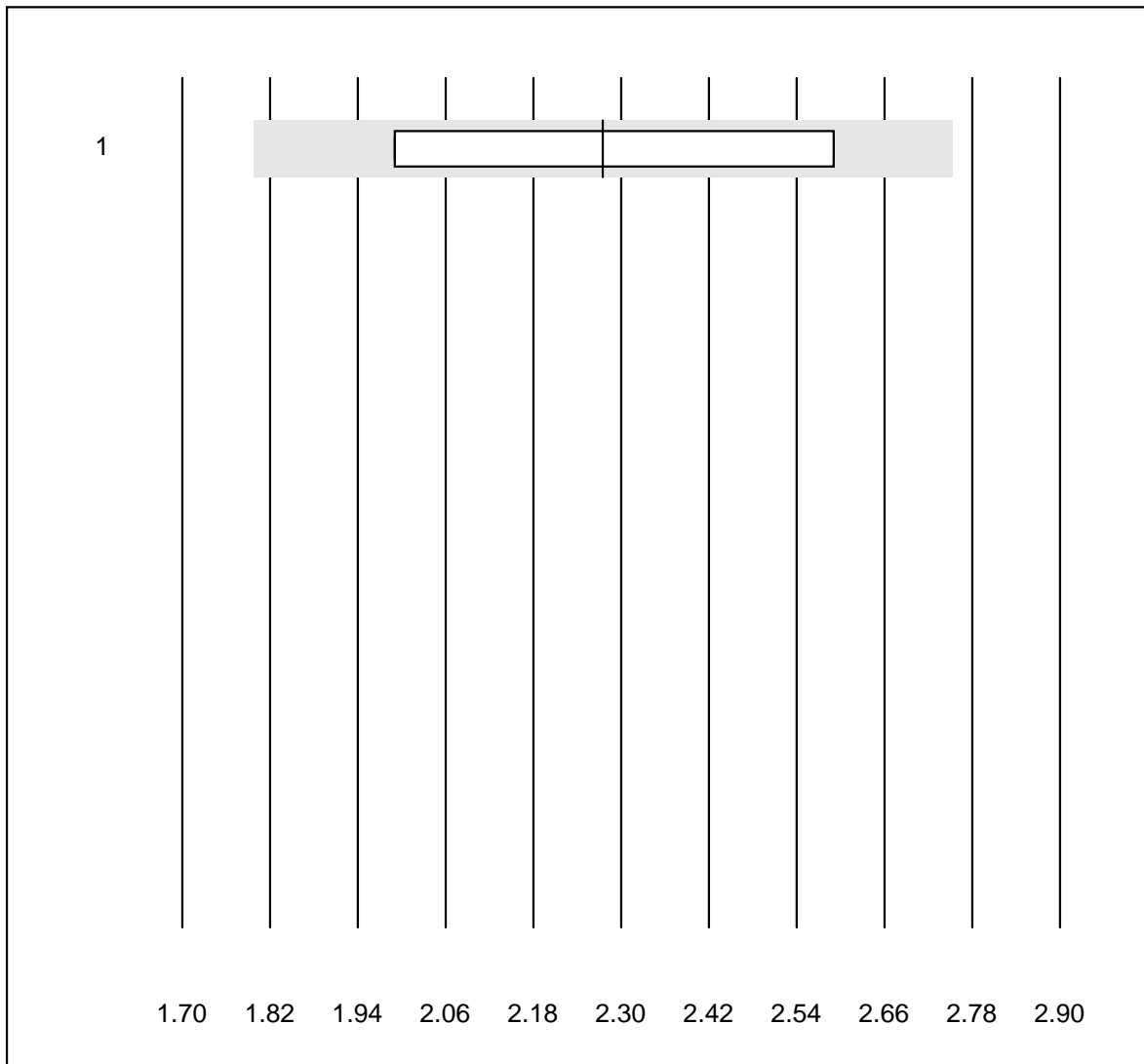


QUALAB tolerance : 10 %

Cholesterin PTS (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	CardioChek	4	0.0	75.0	25.0	2.9	13.2	e*

Cholesterin HDL PTS

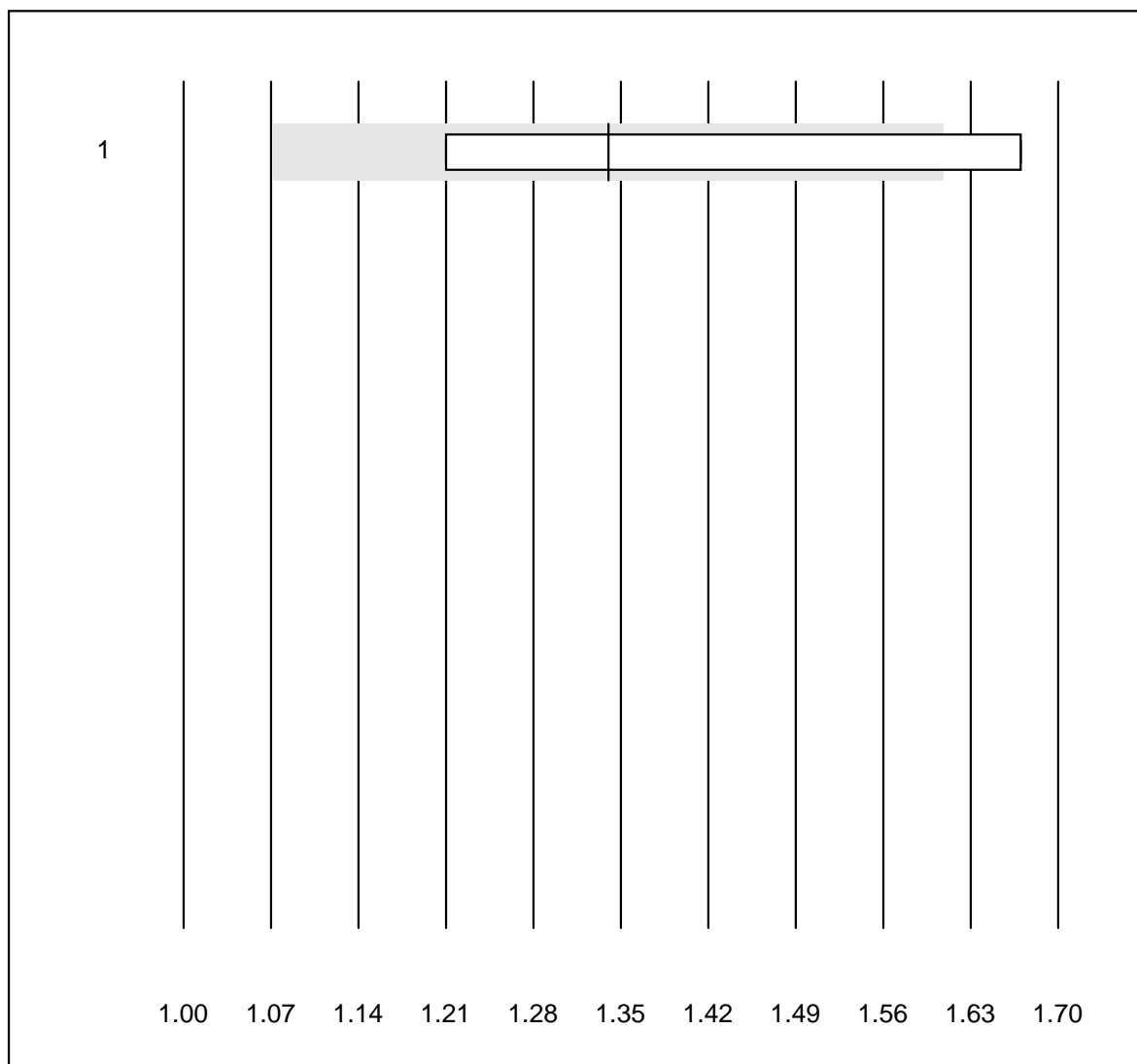


QUALAB tolerance : 21 %

Cholesterin HDL PTS (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	CardioChek	4	75.0	0.0	25.0	2.3	14.2	e*

Triglyceride PTS

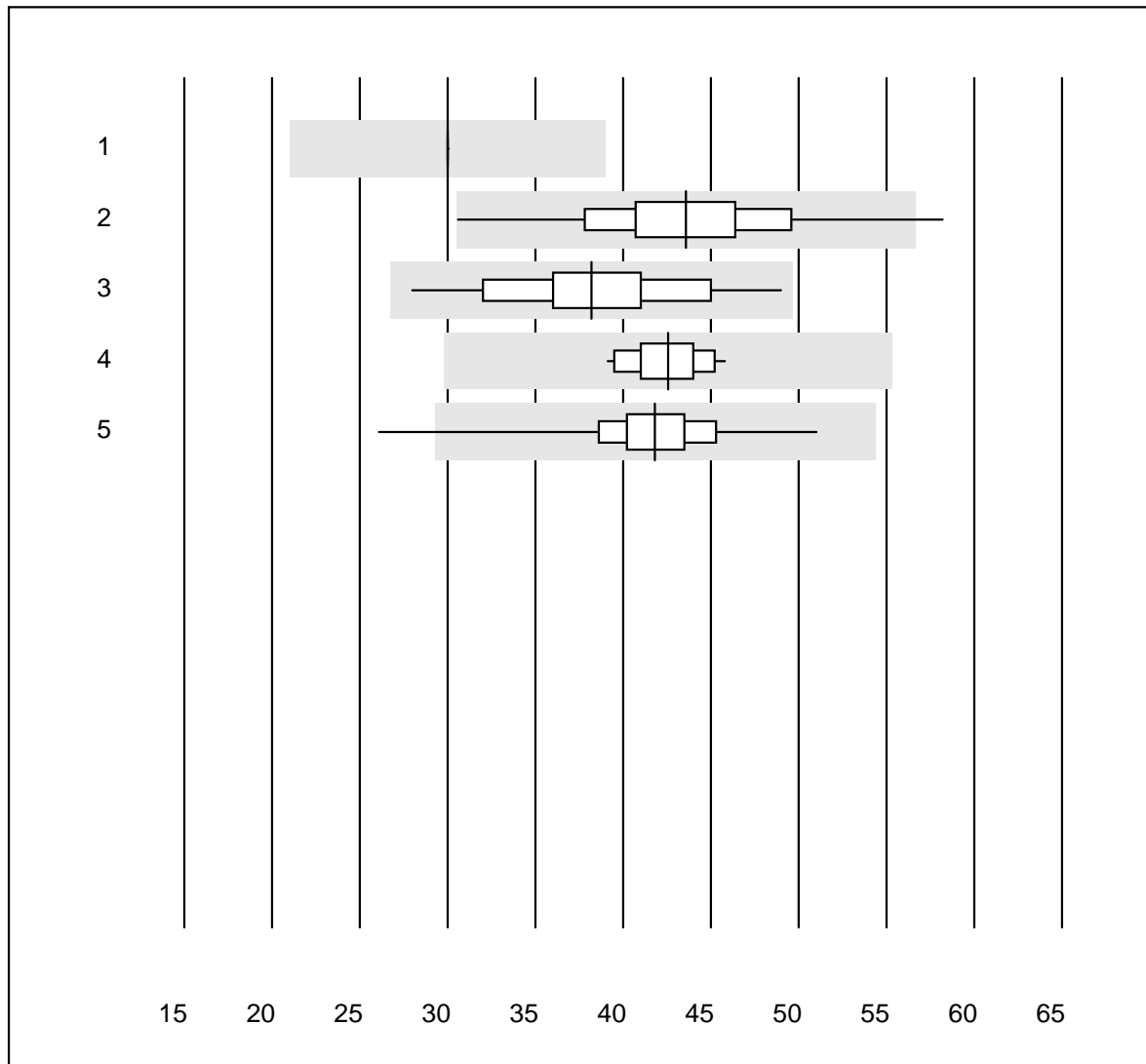


QUALAB tolerance : 20 %

Triglyceride PTS (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	CardioChek	4	50.0	25.0	25.0	1.34	15.9	e*

Albumin U

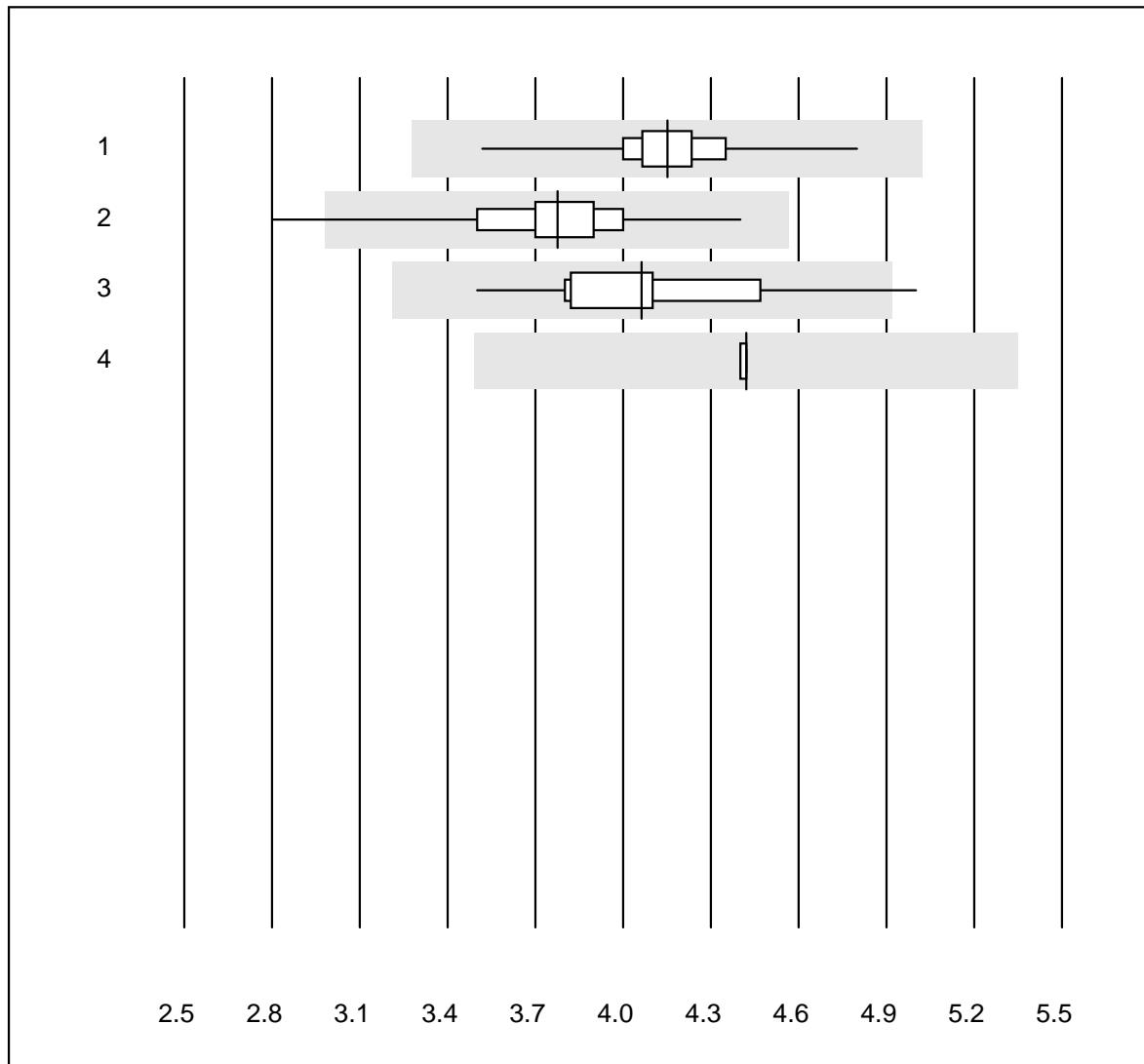


QUALAB tolerance : 30 %

Albumin U (mg/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Siemens Clinitek	11	54.5	0.0	45.5	30.0	0.0	e
2	Afinion	280	98.2	0.4	1.4	43.6	10.5	e
3	NycoCard	25	100.0	0.0	0.0	38.2	12.8	e
4	Turbidimetry	13	100.0	0.0	0.0	42.6	5.0	e
5	DCA2000/Vantage	102	95.1	1.0	3.9	41.8	7.3	e

Kreatinin Urin

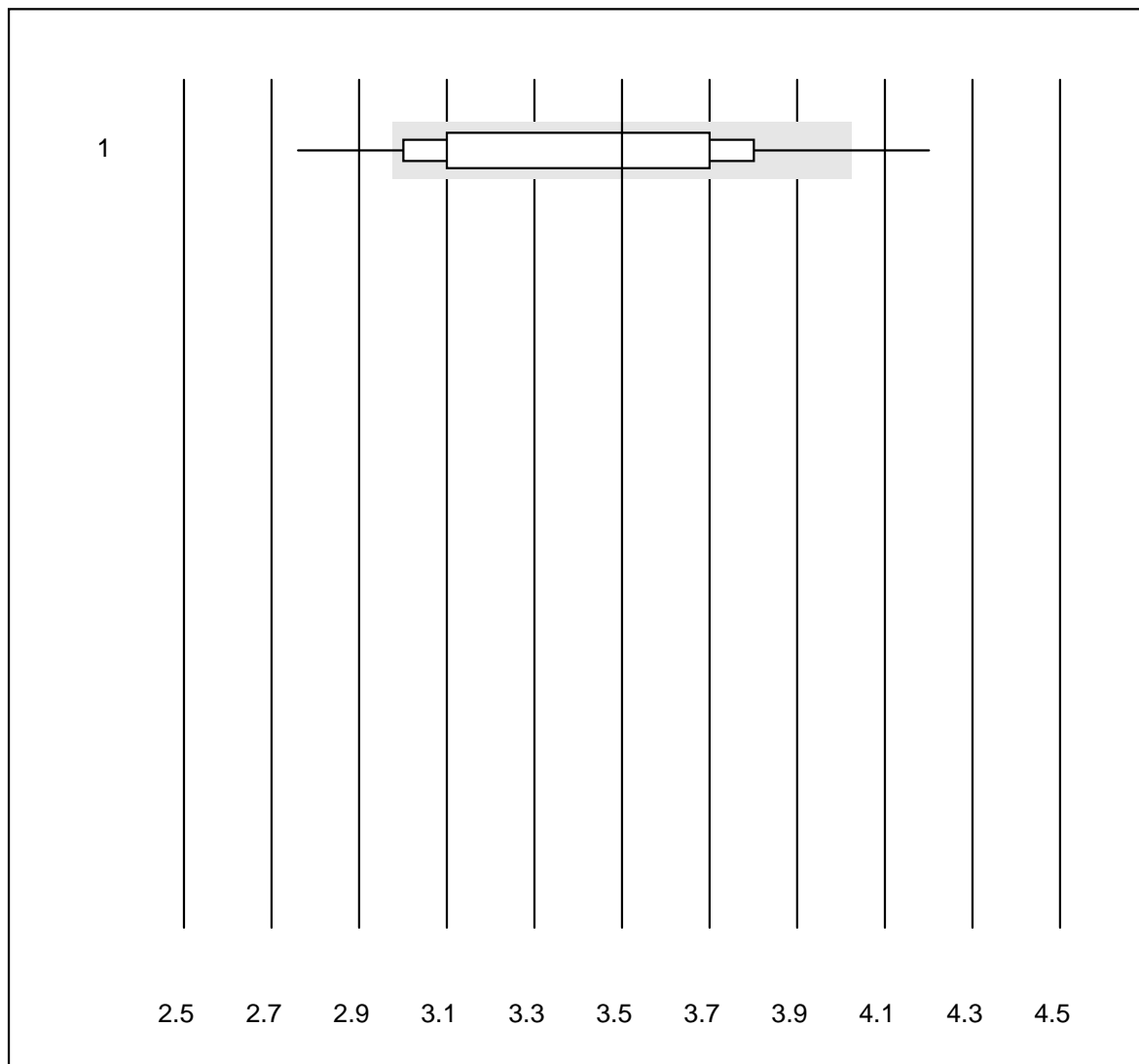


QUALAB tolerance : 21 %

Kreatinin Urin (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	DCA2000/Vantage	101	97.0	0.0	3.0	4.2	4.2	e
2	Afinion	277	98.6	0.7	0.7	3.8	5.7	e
3	Standard chemistry	22	95.5	4.5	0.0	4.1	8.3	e
4	Siemens Clinitek	10	80.0	0.0	20.0	4.4	0.2	e

INR CCXS

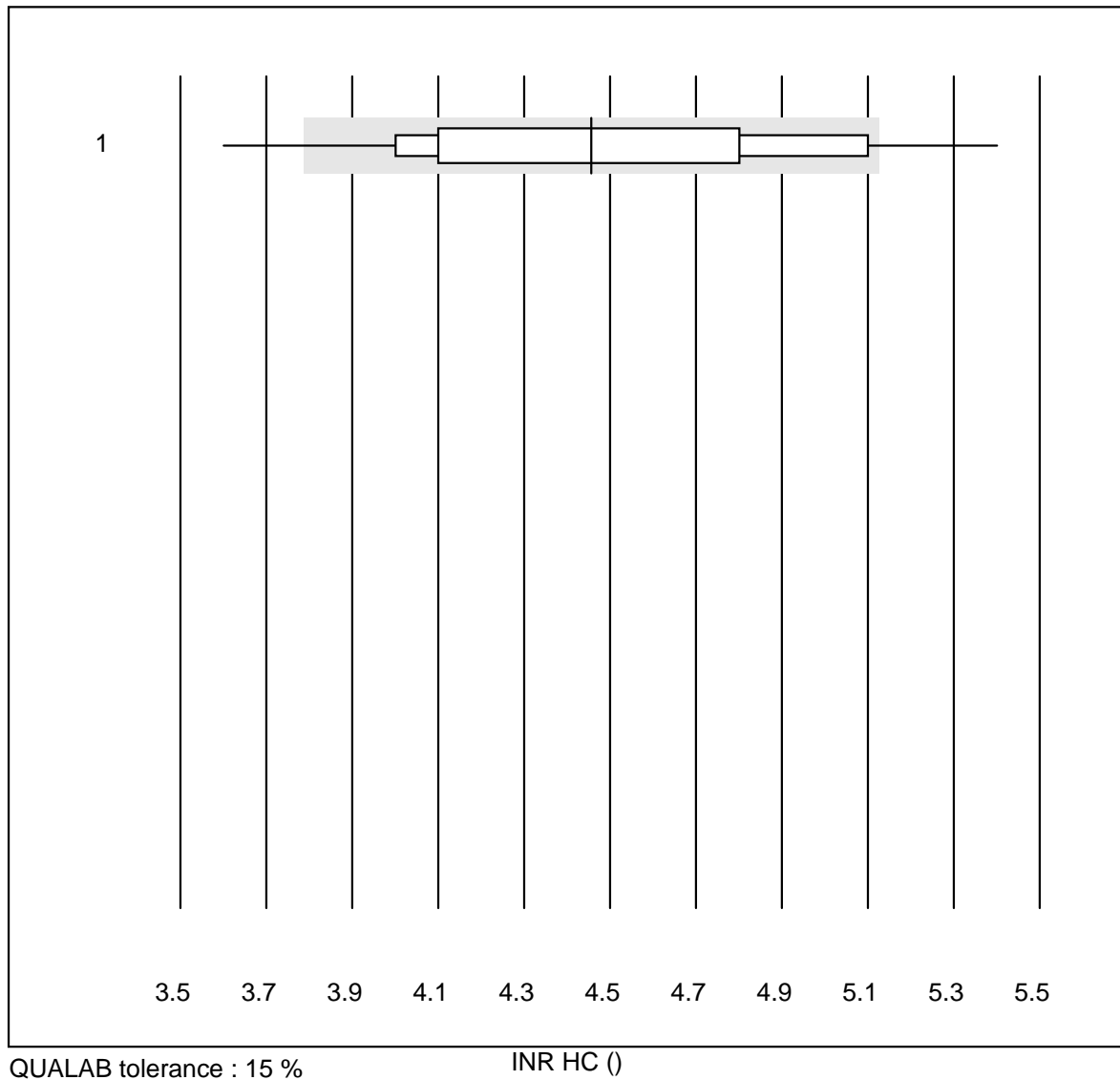


QUALAB tolerance : 15 %

INR CCXS ()

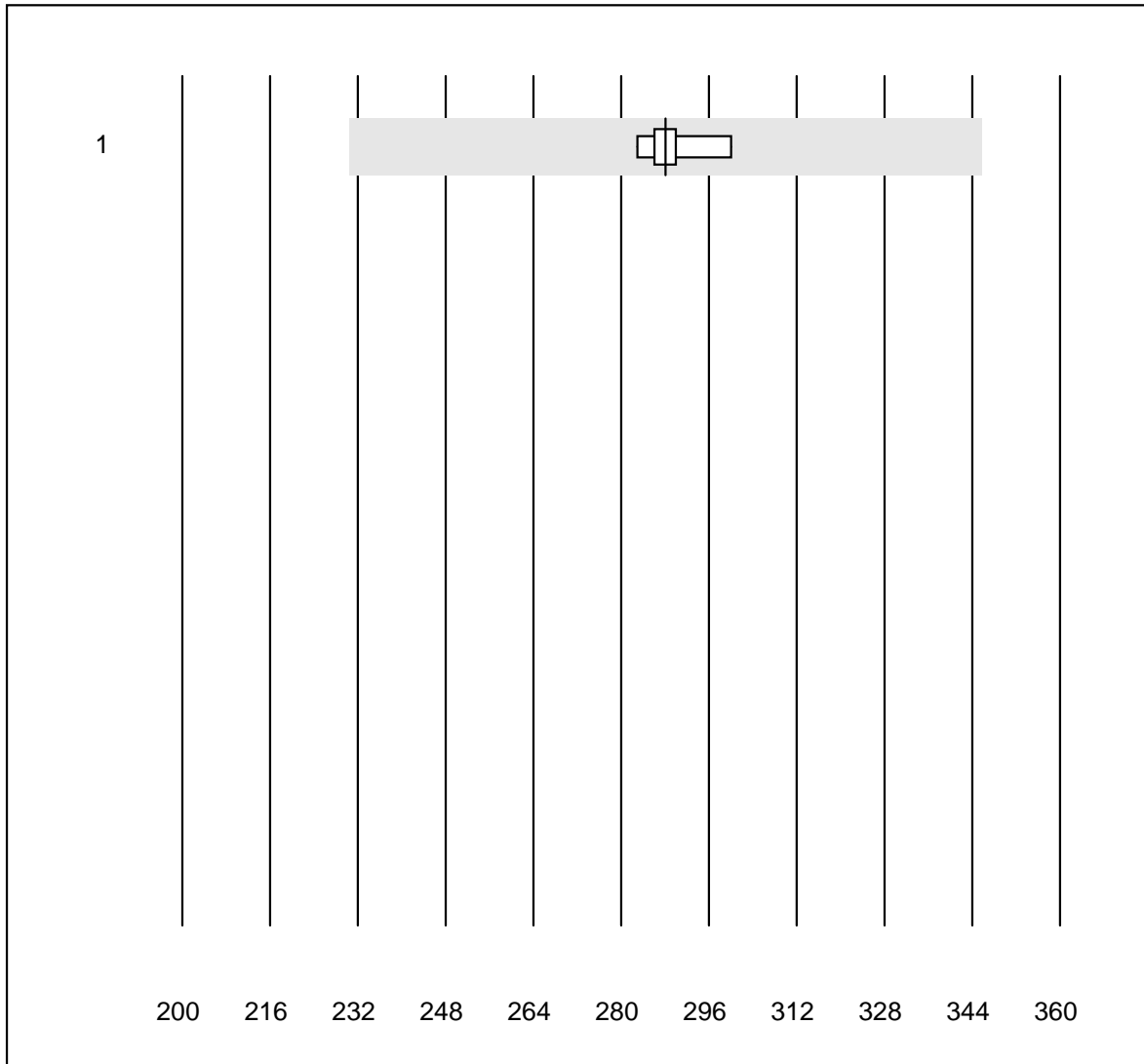
No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	CoaguChek XS	2304	95.2	4.3	0.5	3.5	9.3	e

INR HC



No.Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1 Hemochron j.	26	76.9	15.4	7.7	4.5	11.1	e*

Osmolality

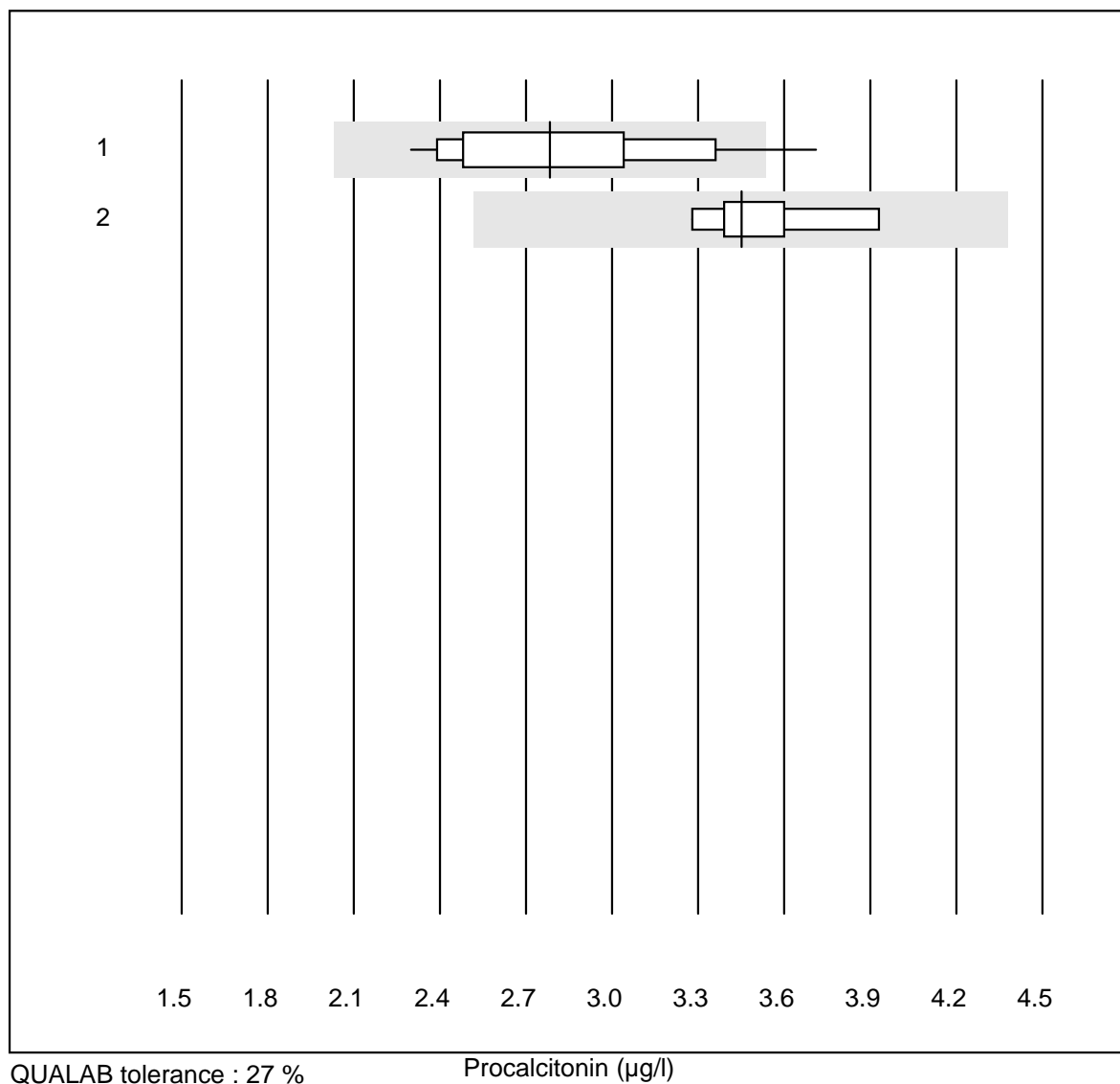


QUALAB tolerance : 20 %

Osmolality (mosm/kg)

No.Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1 Cryoskopy	9	100.0	0.0	0.0	288	1.7	e

Procalcitonin

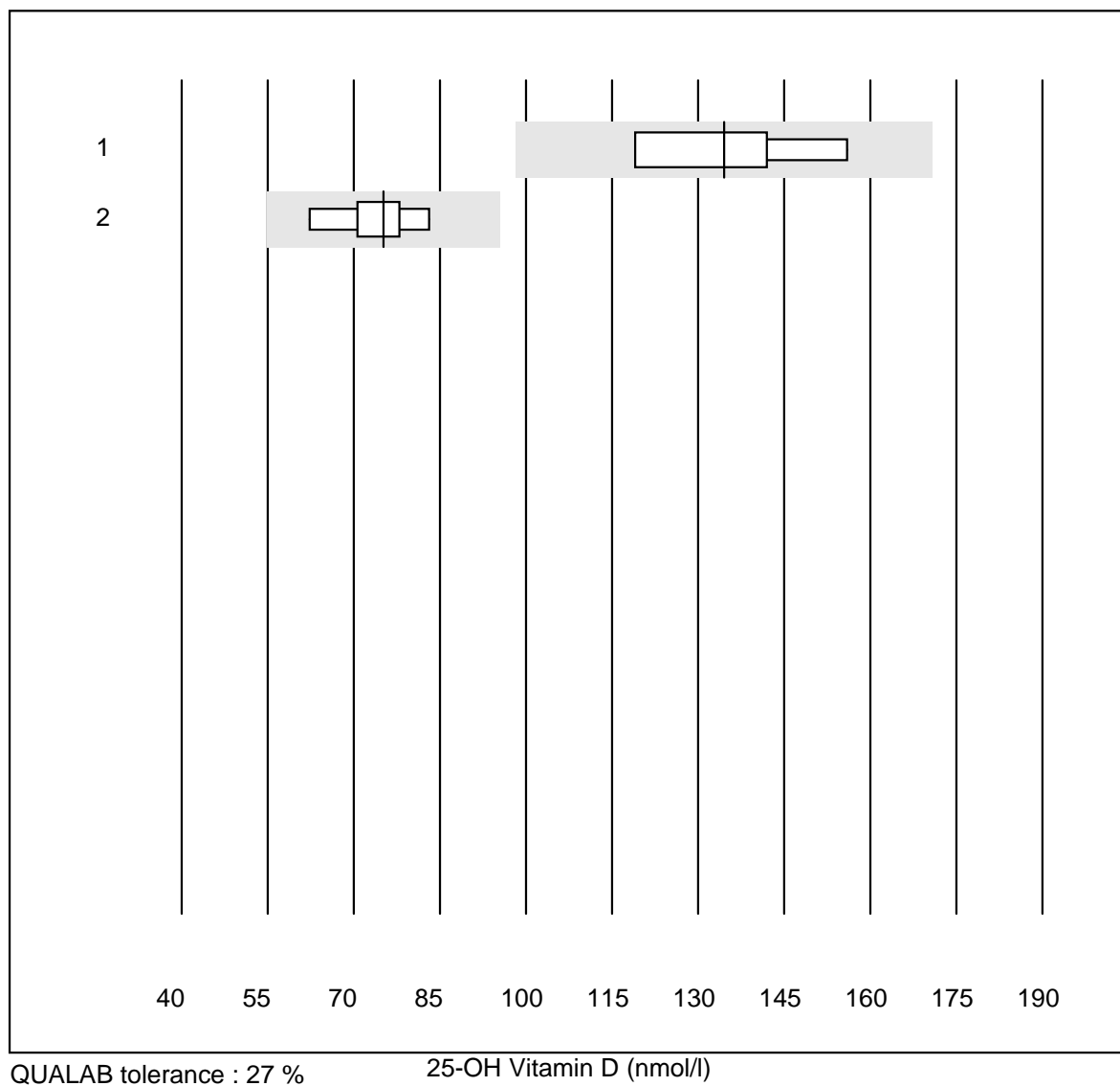


QUALAB tolerance : 27 %

Procalcitonin (µg/l)

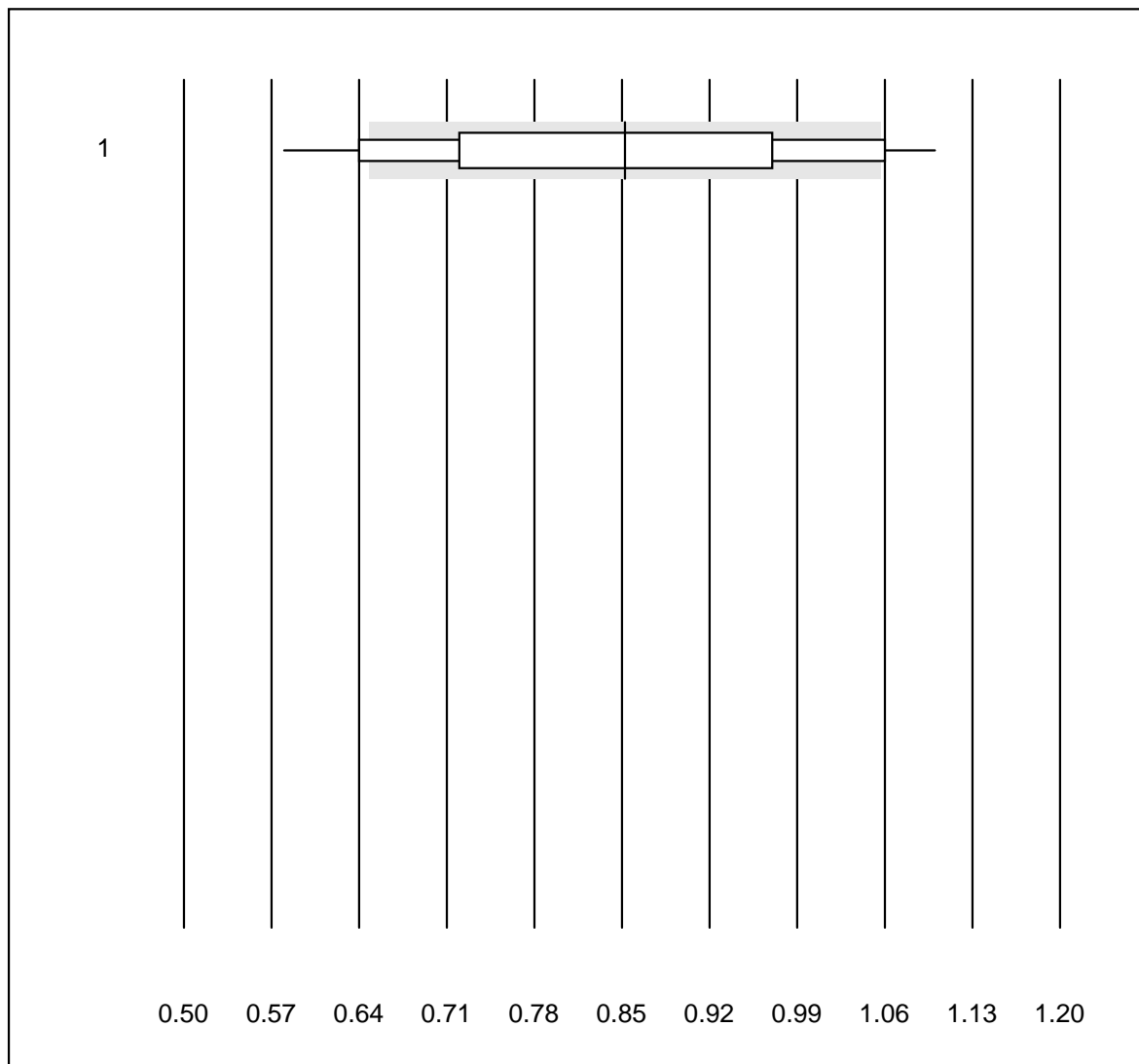
No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	all Participants	12	91.7	8.3	0.0	2.78	15.3	e*
2	Mini Vidas	8	100.0	0.0	0.0	3.45	6.4	e

25-OH Vitamin D



No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Qualigen	4	100.0	0.0	0.0	134.5	12.1	e*
2	Cobas	5	100.0	0.0	0.0	75.1	10.7	e*

Troponin I DP

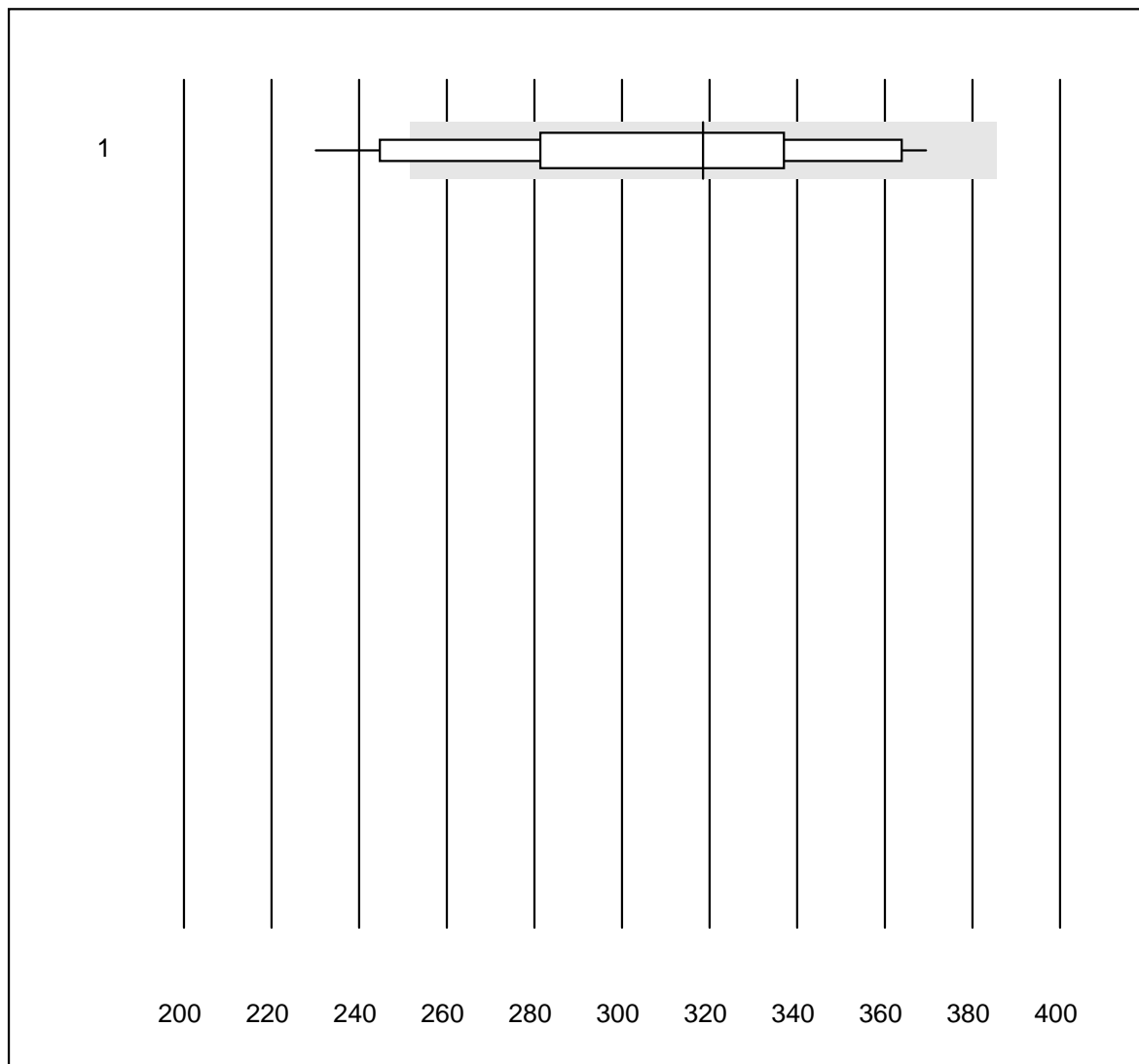


QUALAB tolerance : 24 %

Troponin I DP (ng/ml)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	DXpress Reader	19	52.6	21.1	26.3	0.85	18.4	e*

D-dimer DP

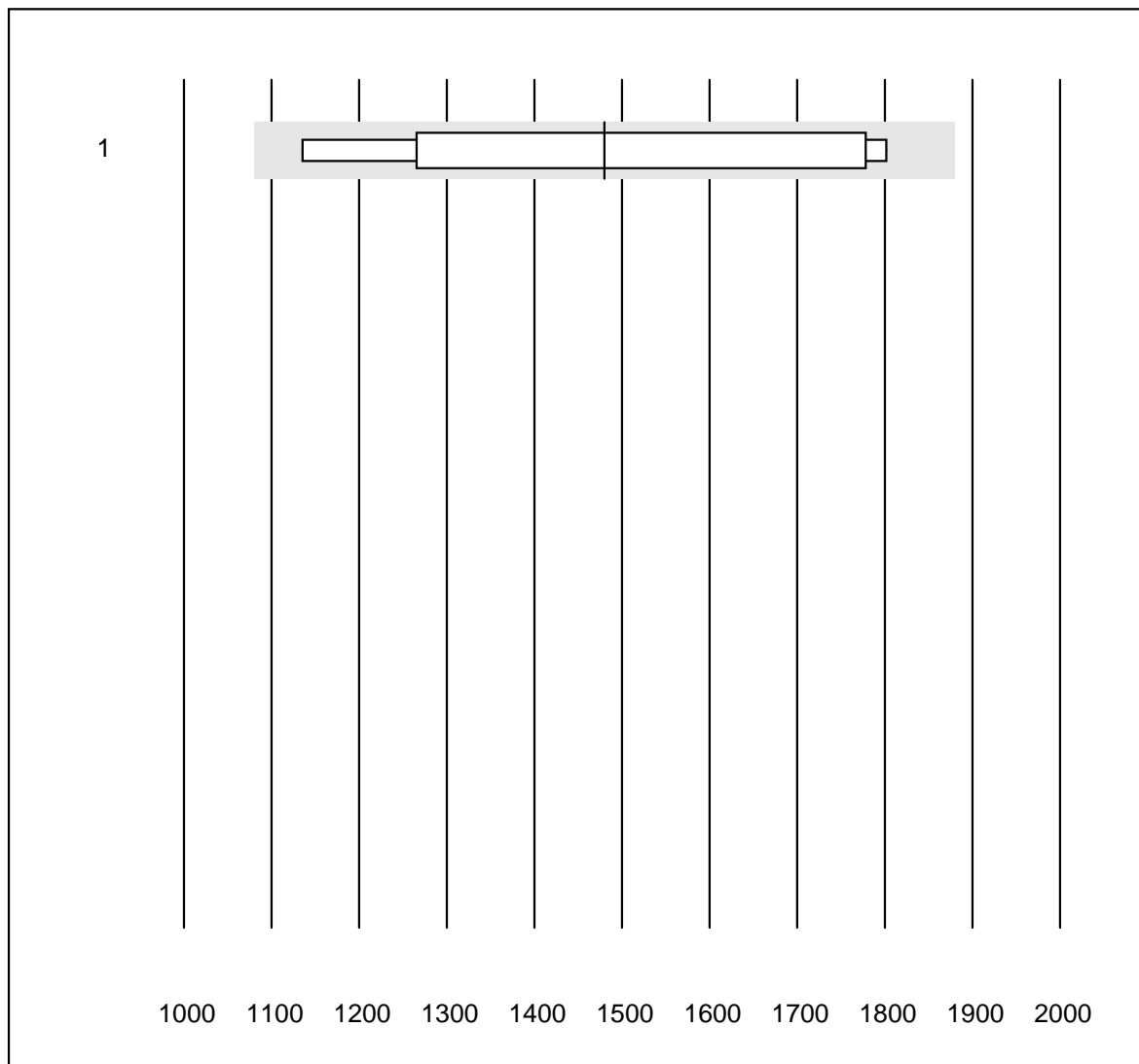


QUALAB tolerance : 21 %

D-dimer DP (ng/ml)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	DXpress Reader	19	57.9	10.5	31.6	318.43	14.6	e*

NT-proBNP DP

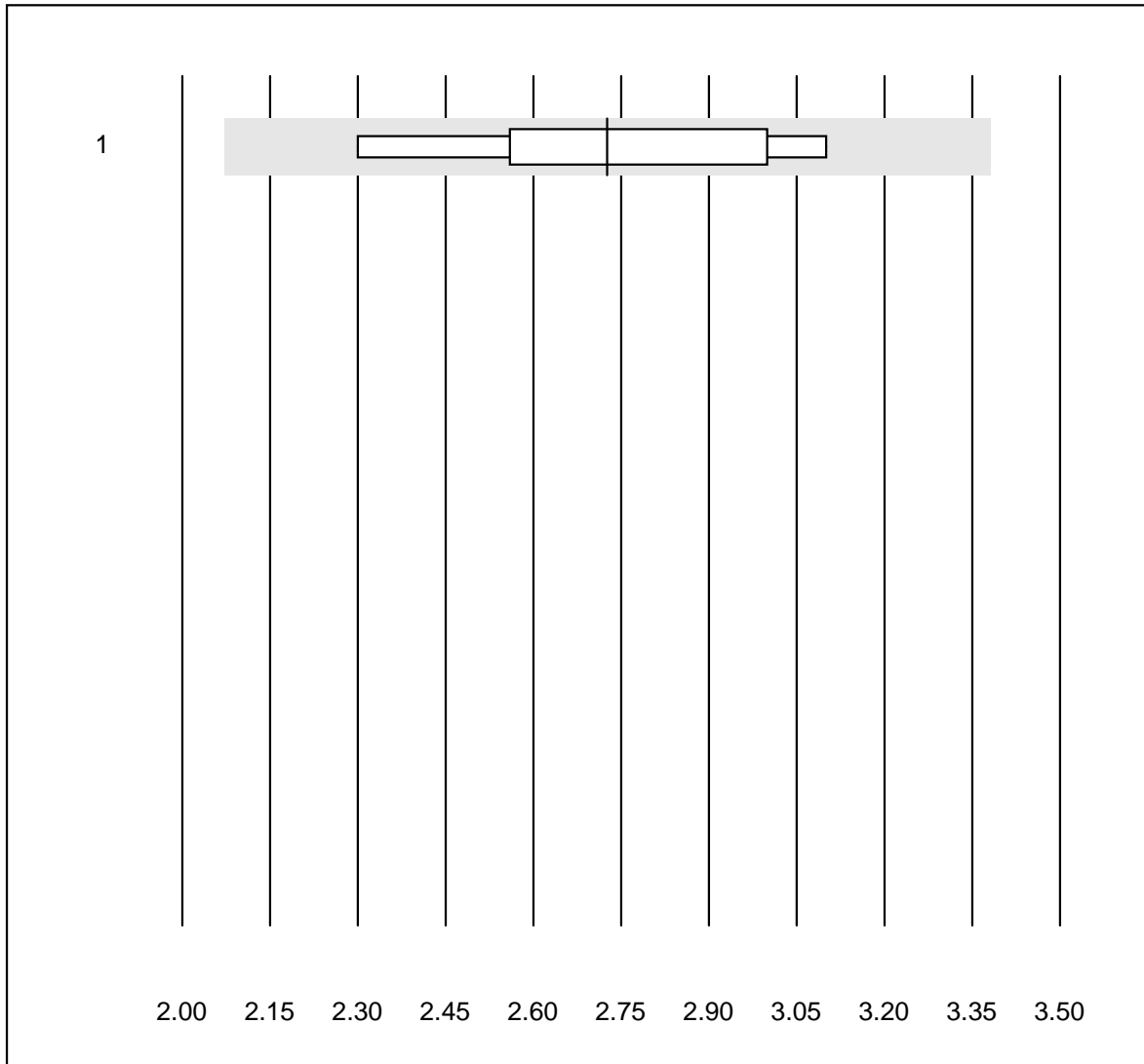


QUALAB tolerance : 27 %

NT-proBNP DP (pg/ml)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	DXpress Reader	10	70.0	0.0	30.0	1480	17.1	e*

Digoxin

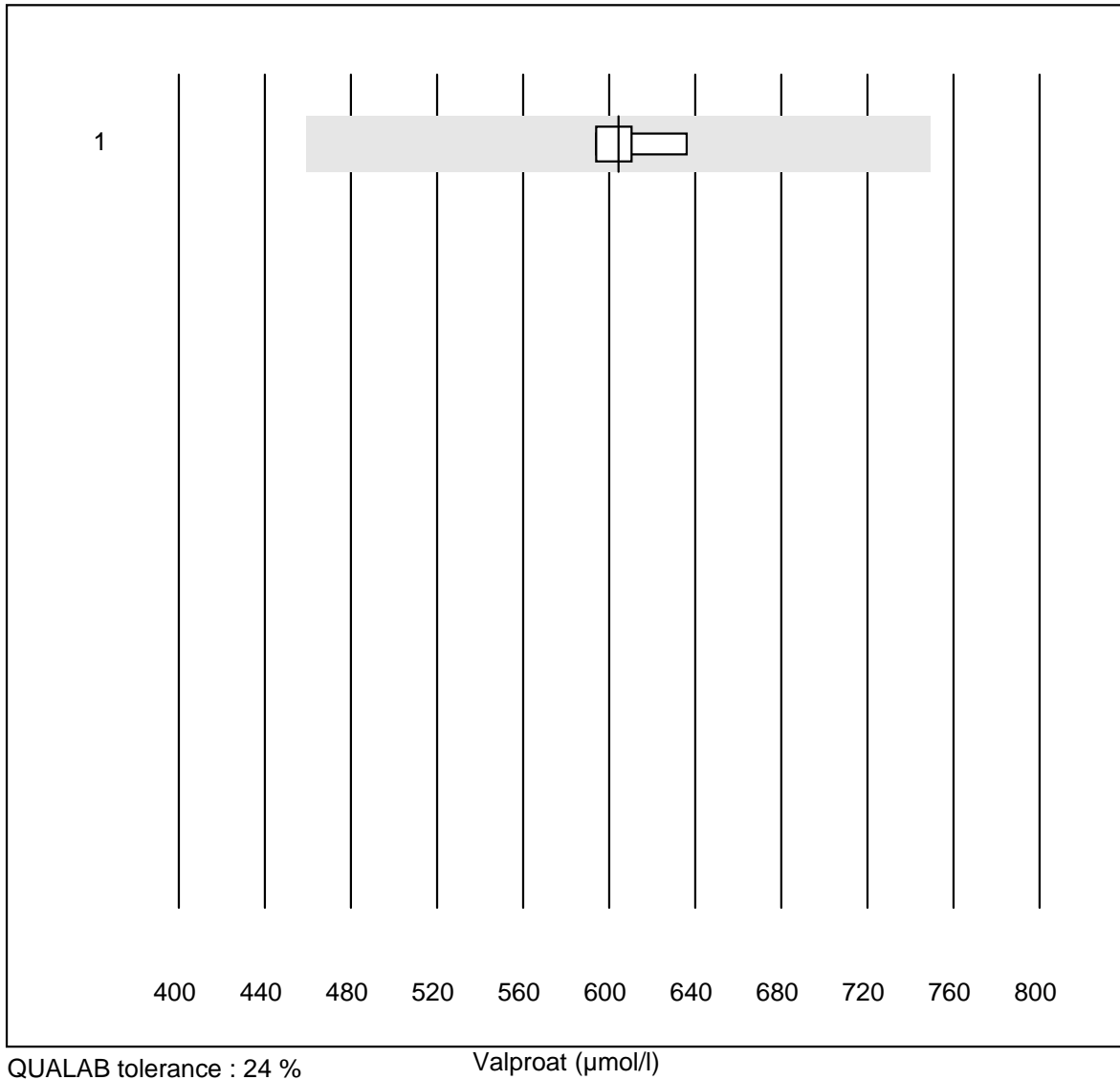


QUALAB tolerance : 24 %

Digoxin (nmol/l)

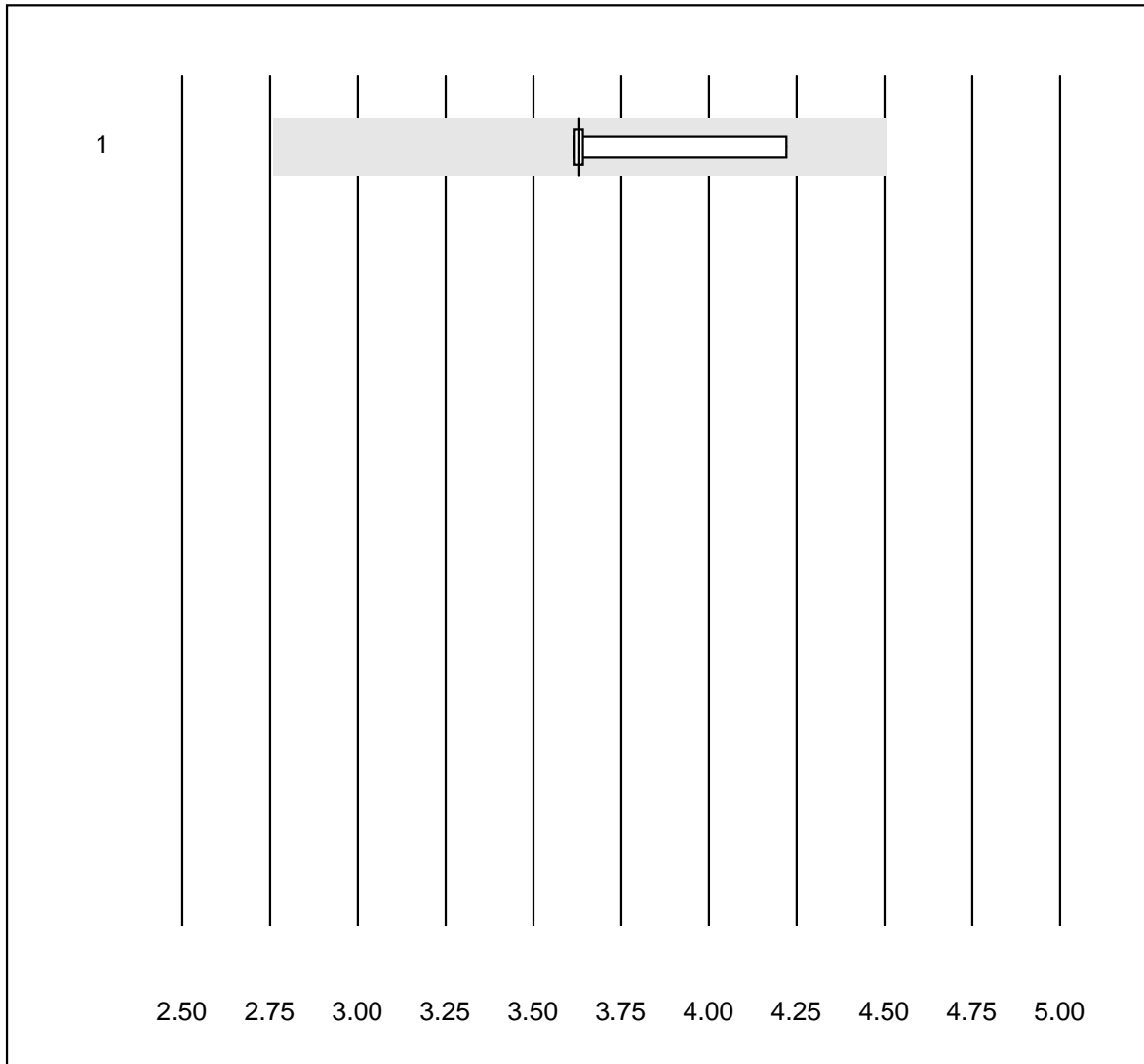
No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Other methods	10	90.0	0.0	10.0	2.73	10.0	e*

Valproat



No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	all Participants	4	100.0	0.0	0.0	604.3	3.1	e

Cystatin C

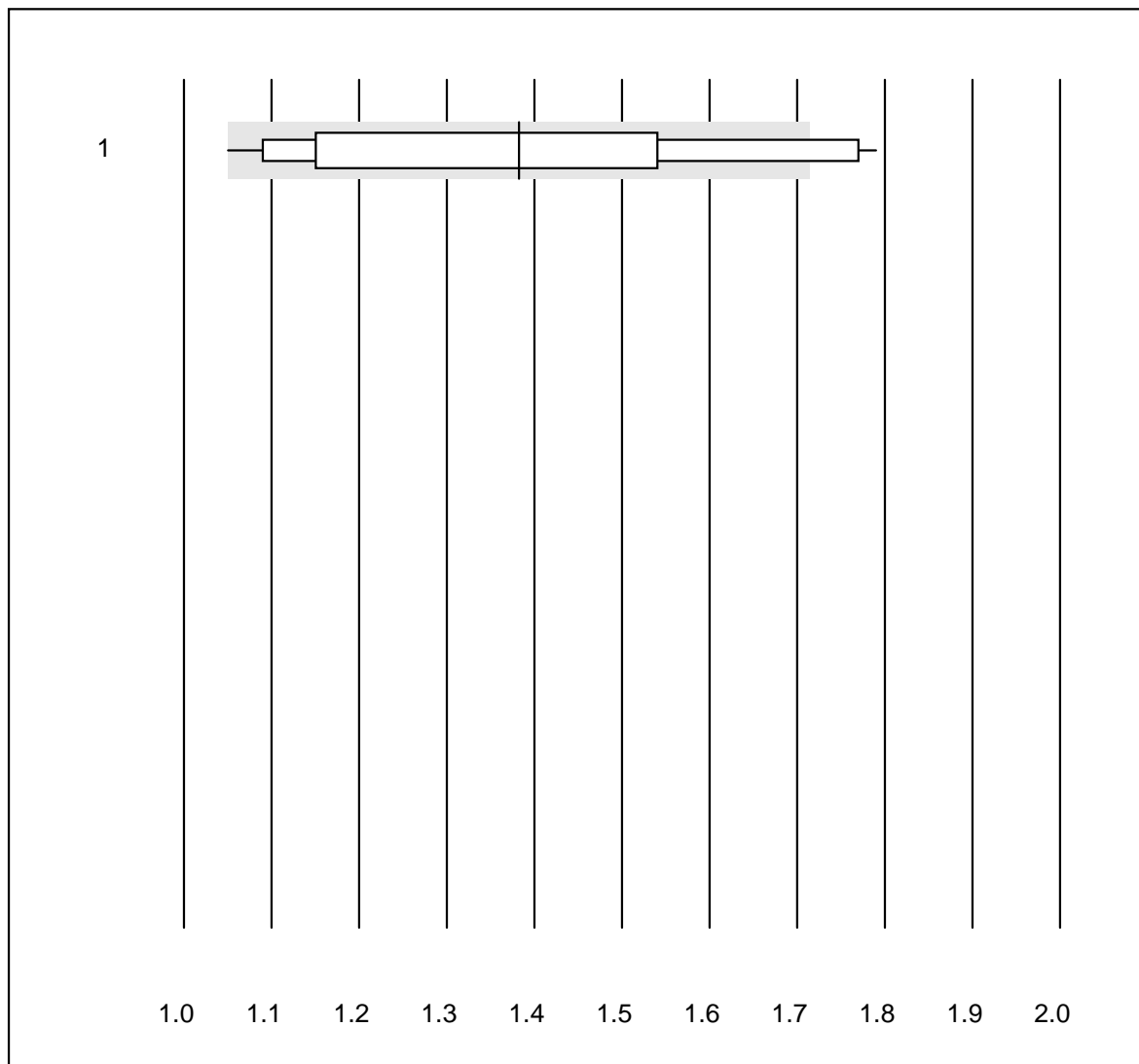


QUALAB tolerance : 24 %

Cystatin C (mg/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	all Participants	4	100.0	0.0	0.0	3.6	7.9	e*

Troponin Triage

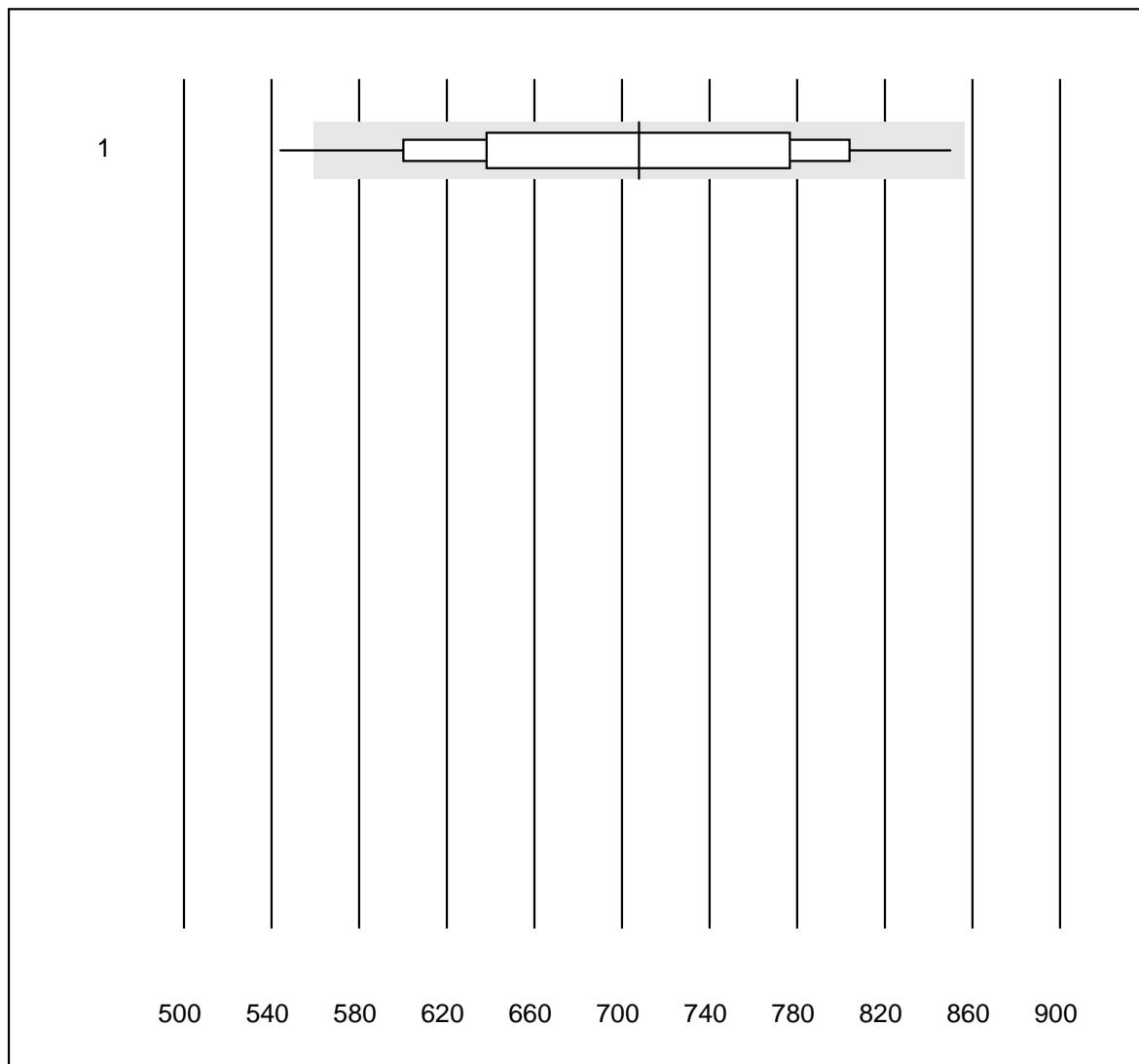


QUALAB tolerance : 24 %

Troponin Triage (µg/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Triage Meter	30	46.7	10.0	43.3	1.4	17.2	e*

D-dimer Triage

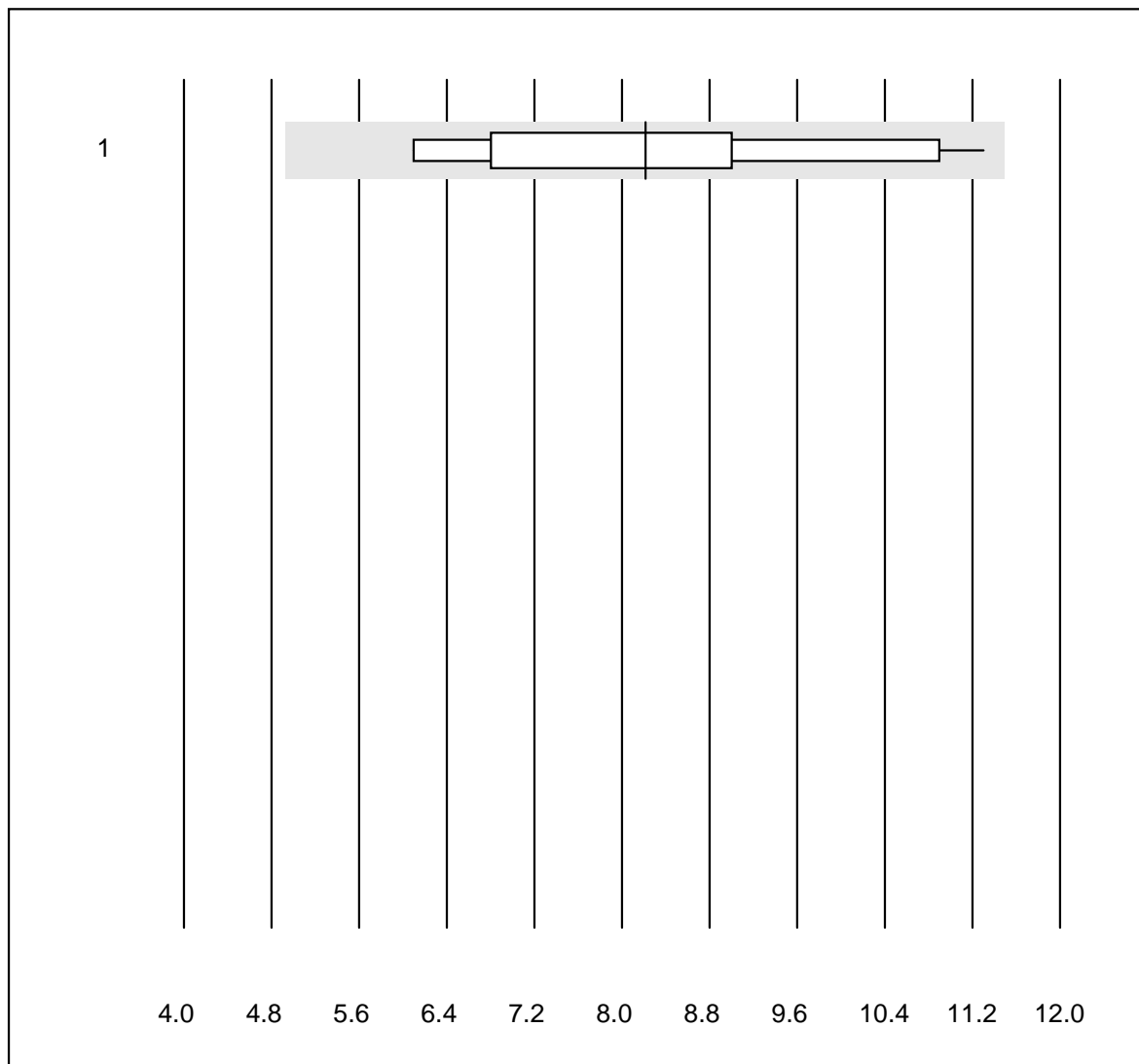


QUALAB tolerance : 21 %

D-dimer Triage (ng/ml)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Triage Meter	28	85.8	7.1	7.1	707.79	12.3	e

CK-MB Triage

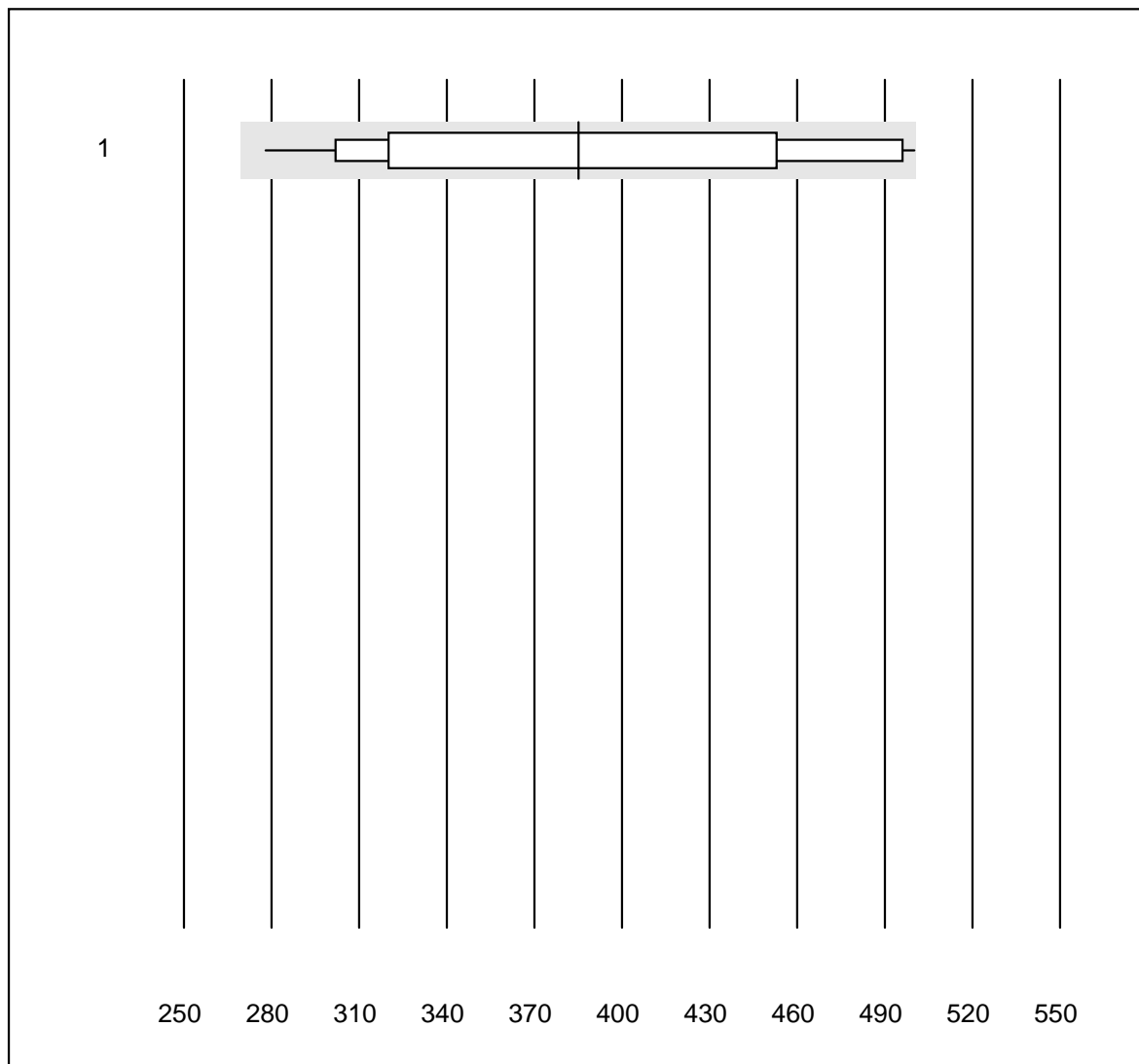


QUALAB tolerance : 40 %

CK-MB Triage (µg/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Triage Meter	18	88.9	0.0	11.1	8.2	19.9	e

Myoglobin Triage

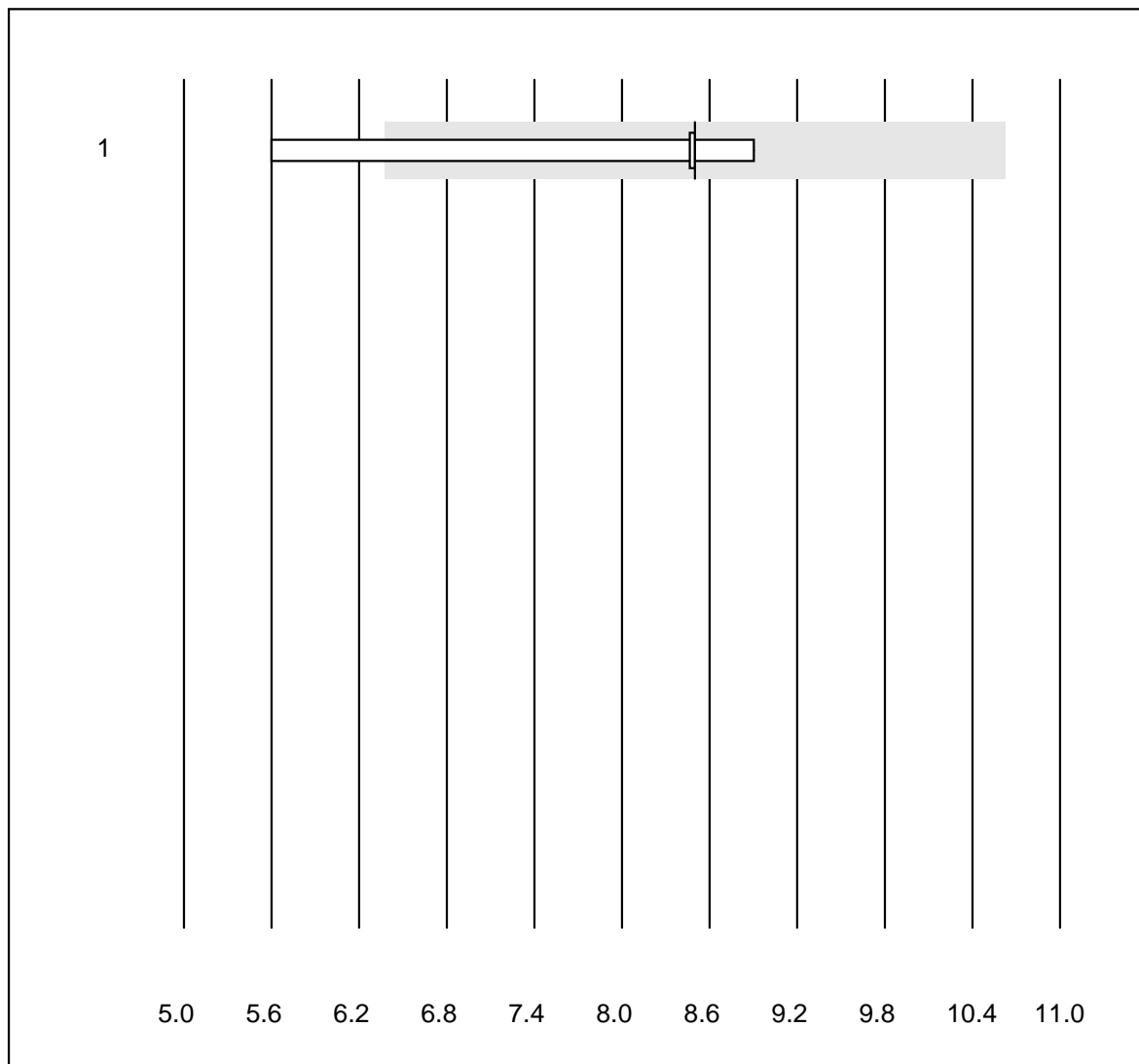


QUALAB tolerance : 30 %

Myoglobin Triage (µg/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Triage Meter	16	93.7	0.0	6.3	385.0	18.8	e*

Ethanol

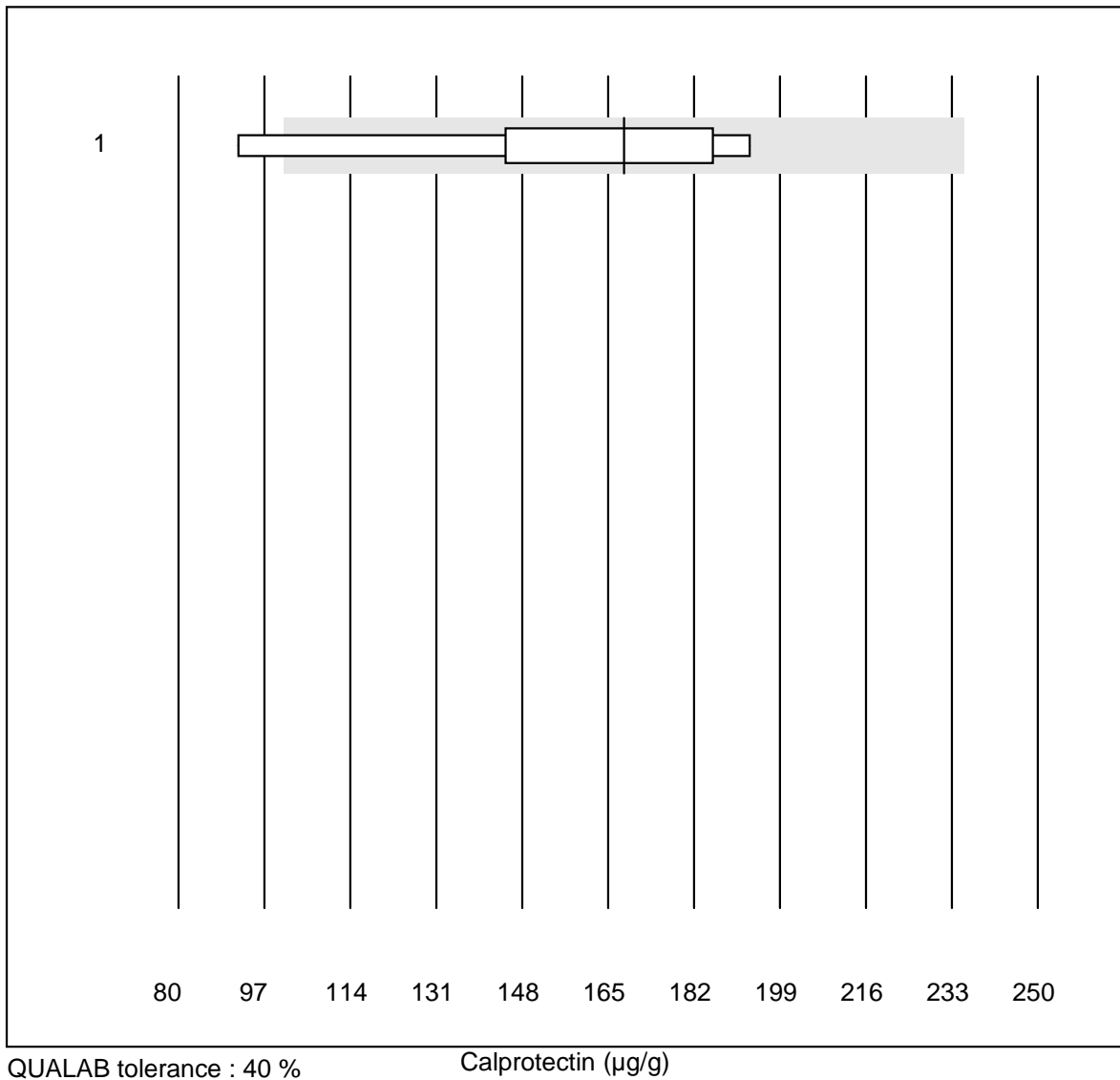


QUALAB tolerance : 25 %

Ethanol (mmol/l)

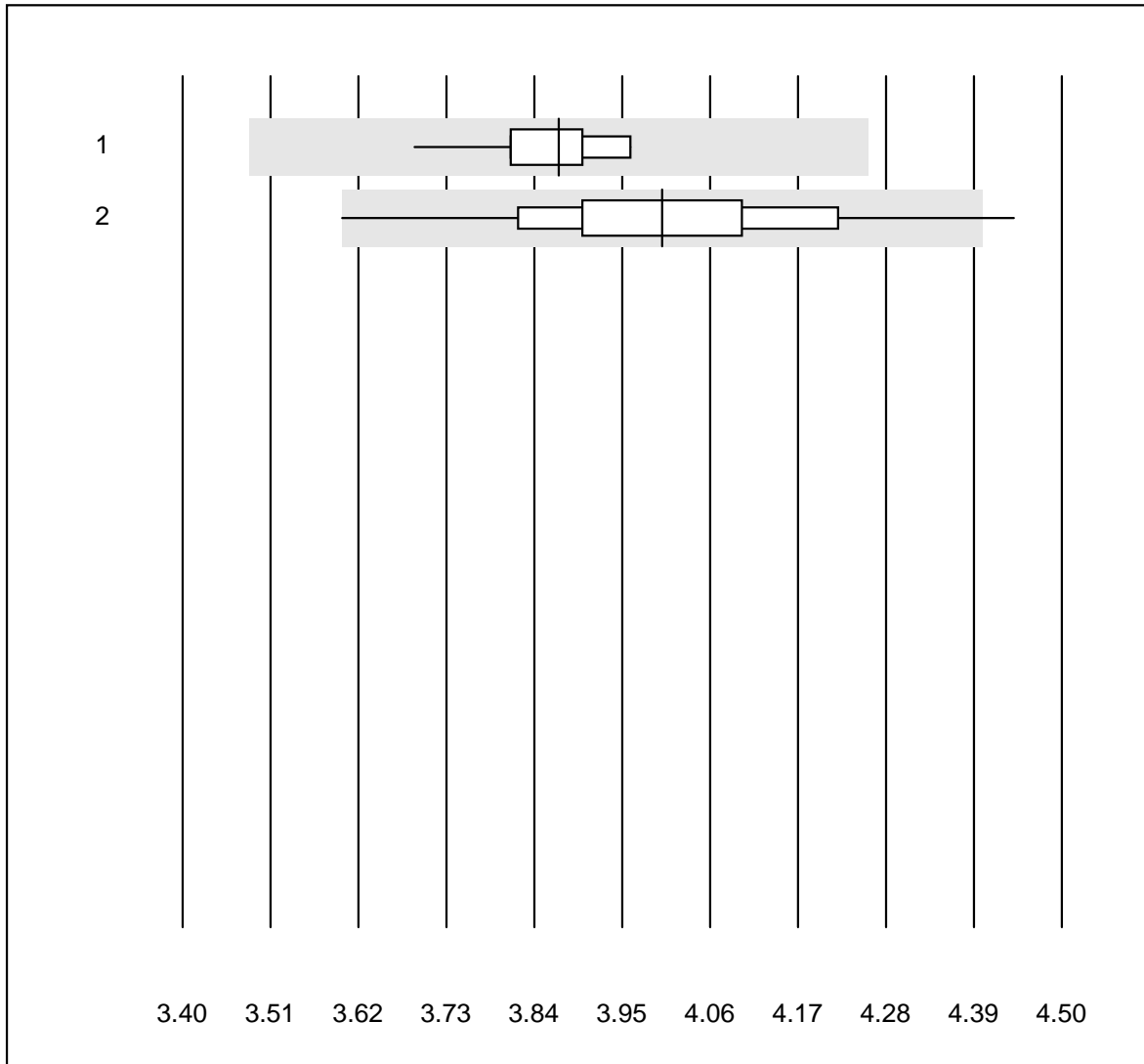
No.Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1 all Participants	5	80.0	20.0	0.0	8.5	16.9	e*

Calprotectin



No.Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1 Bühlmann	8	87.5	12.5	0.0	168	20.5	e*

Cholesterol total Af/b101

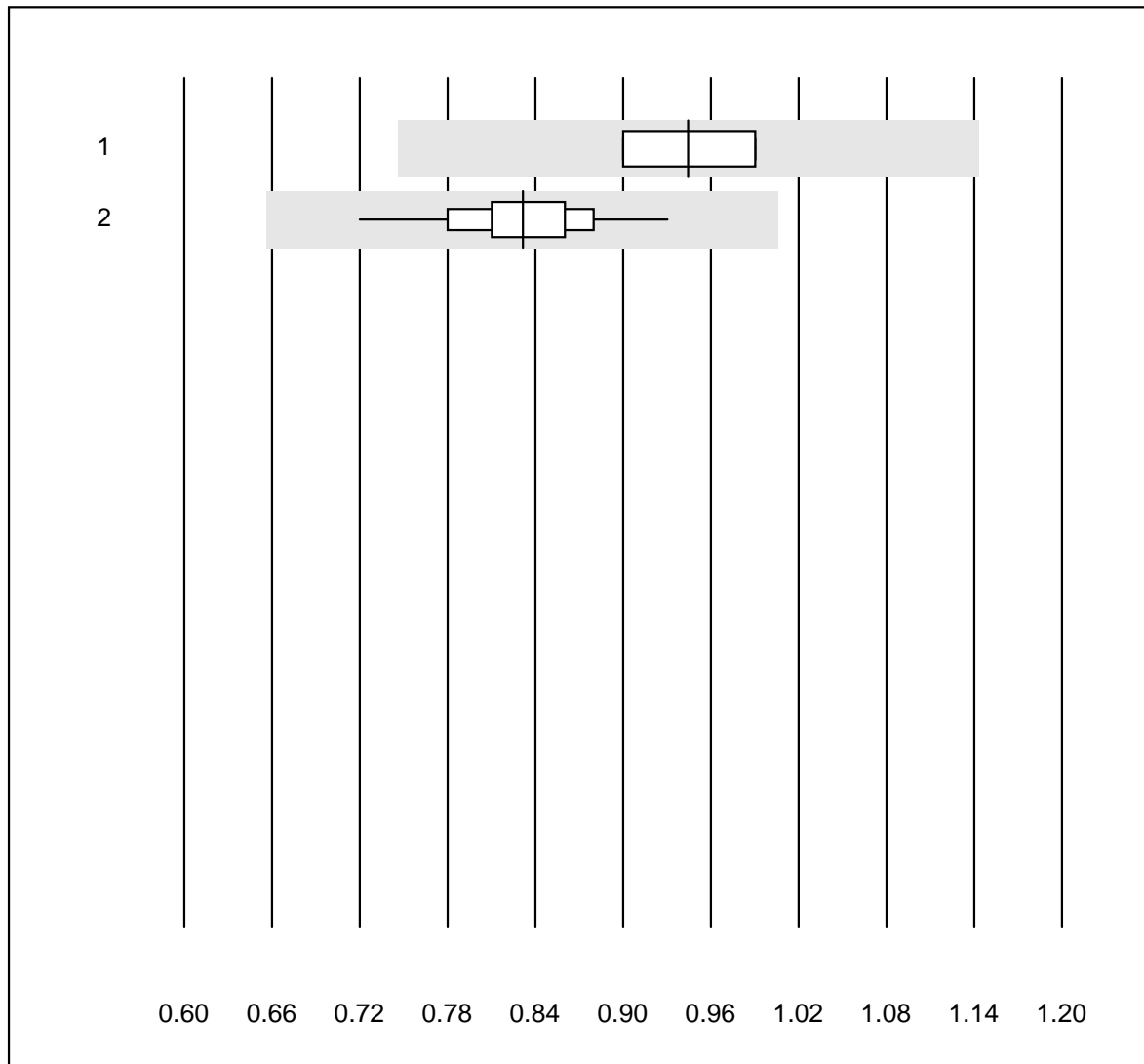


QUALAB tolerance : 10 %

Cholesterol total Af/b101 (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Cobas b101	12	100.0	0.0	0.0	3.9	2.0	e
2	Afinion	190	98.9	1.1	0.0	4.0	3.9	e

Cholesterol HDL Af/b101

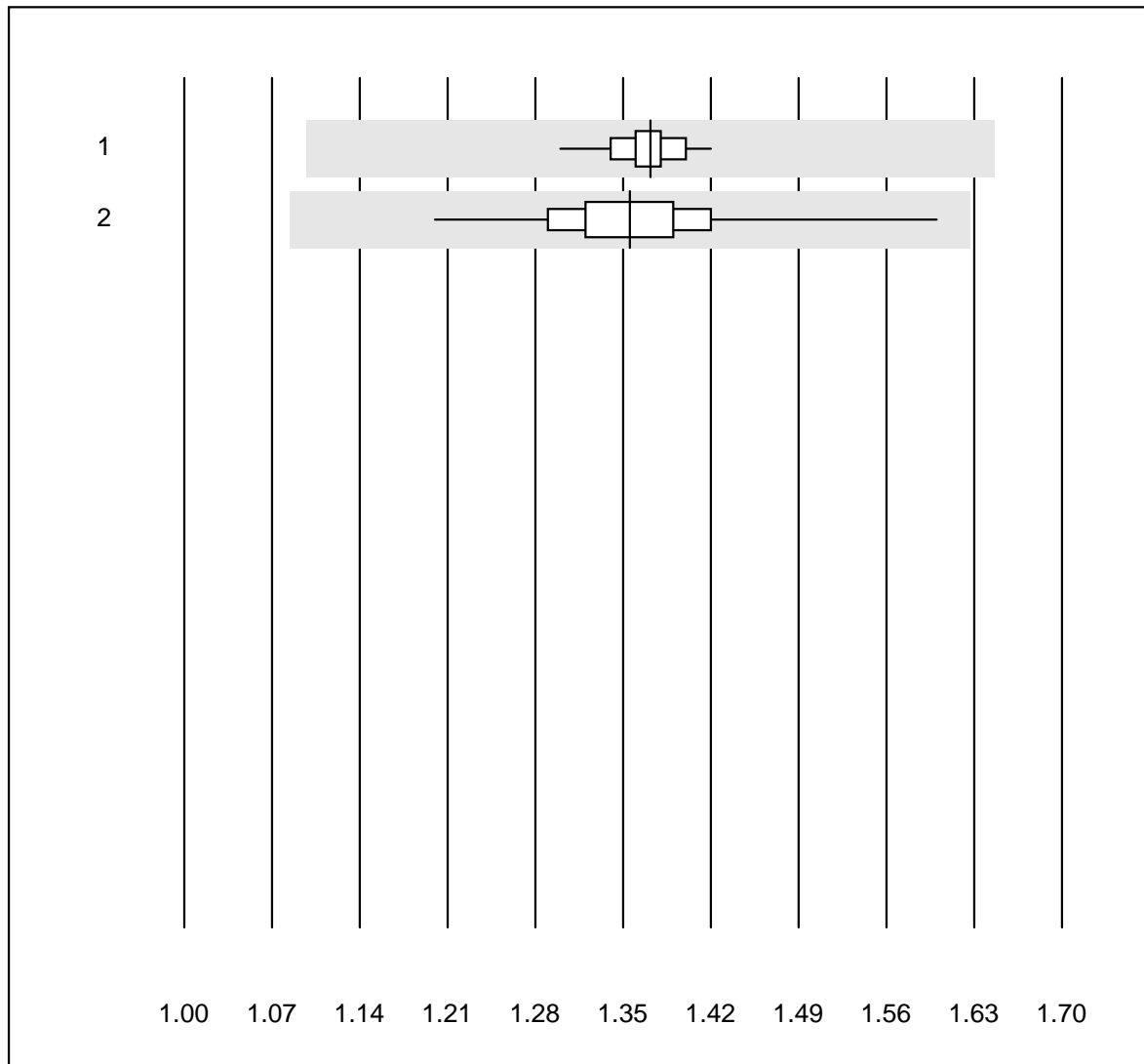


QUALAB tolerance : 21 %

Cholesterol HDL Af/b101 (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Cobas b101	12	91.7	0.0	8.3	0.9	3.8	e
2	Afinion	191	99.0	0.0	1.0	0.8	4.7	e

Tryglycerides Af/b101

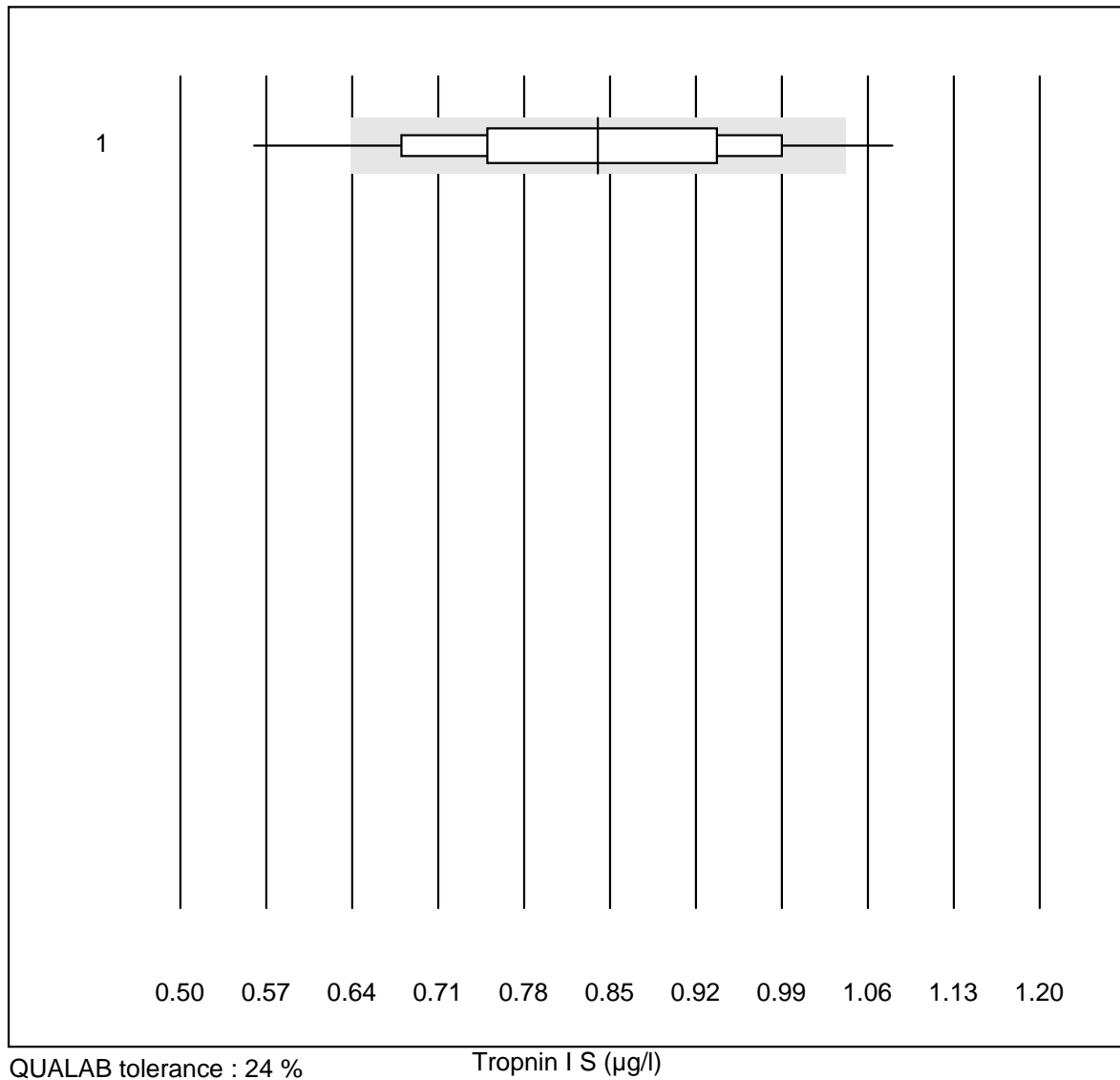


QUALAB tolerance : 20 %

Tryglycerides Af/b101 (mmol/l)

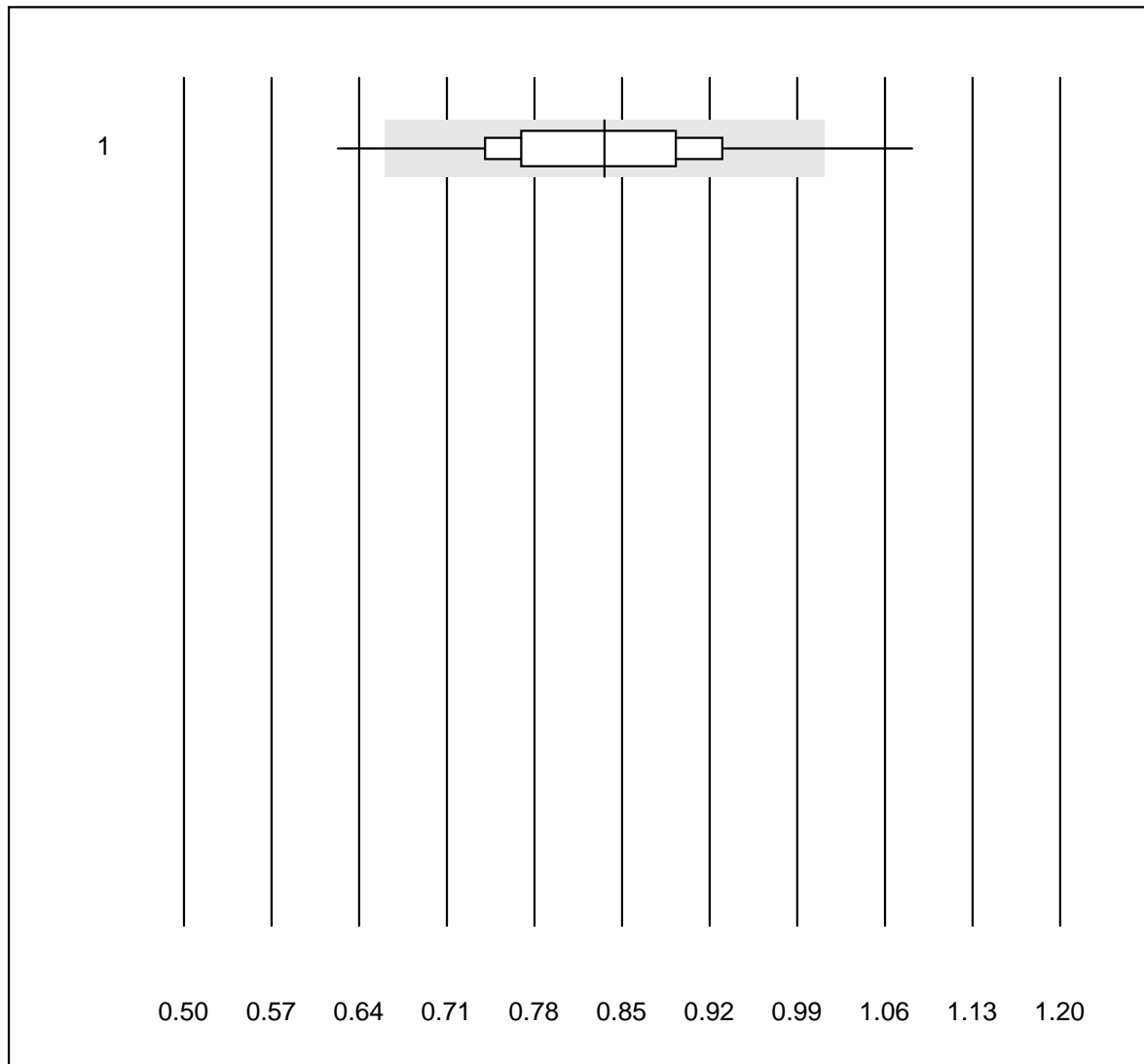
No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Cobas b101	12	100.0	0.0	0.0	1.37	2.2	e
2	Afinion	190	98.9	0.0	1.1	1.36	4.2	e

Troponin I S



No.Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1 Samsung LABGEO IB10	54	92.6	7.4	0.0	0.84	14.6	e

D-dimer qn S

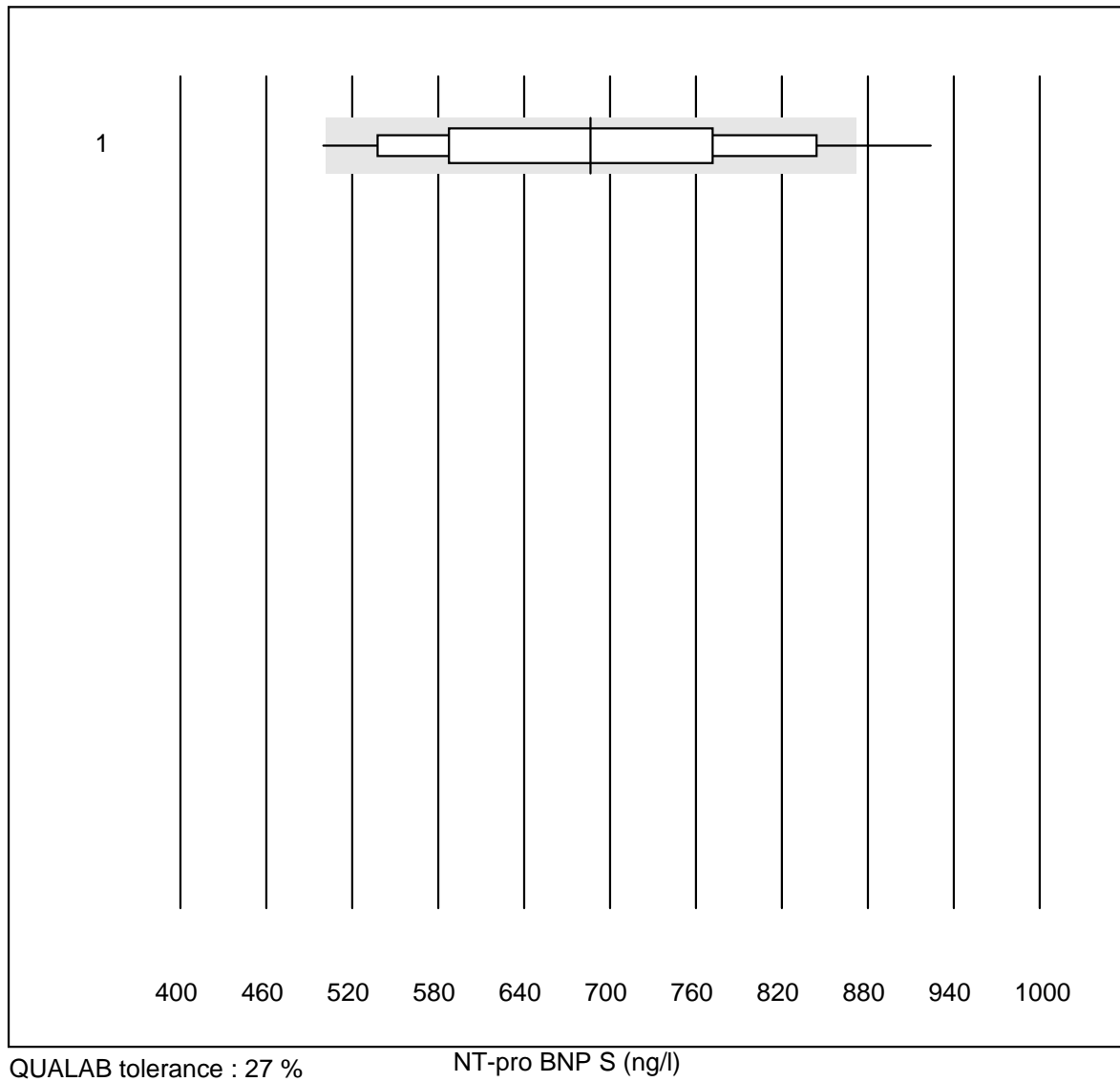


QUALAB tolerance : 21 %

D-dimer qn S (mg/l)

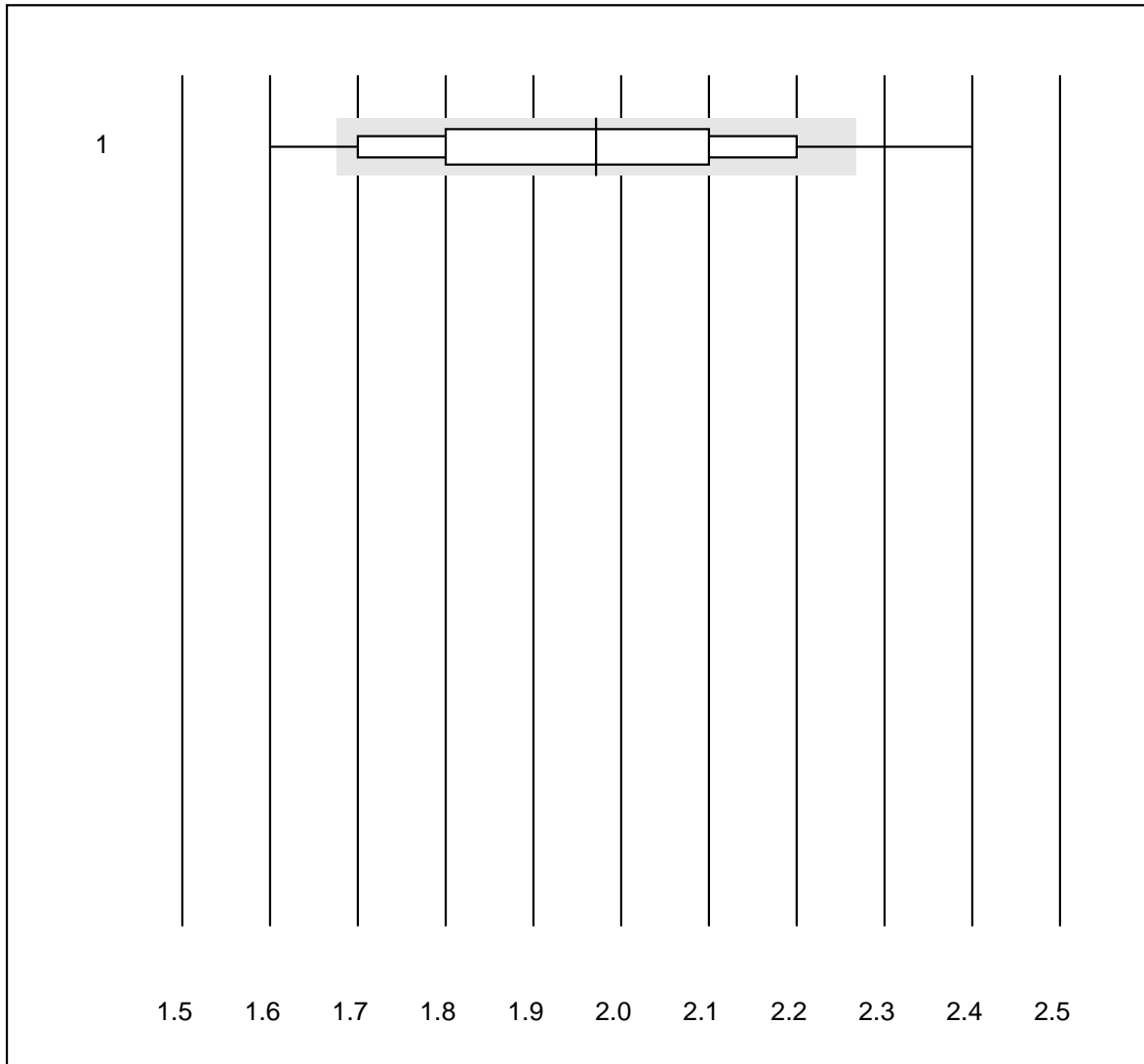
No.	Method	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1	Samsung LABGEO IB10	64	90.6	7.8	1.6	0.84	10.6	e

NT-pro BNP S



No.Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1 Samsung LABGEO IB10	46	95.7	4.3	0.0	686.5	16.2	e

INR MI



QUALAB tolerance : 15 %

INR MI ()

No.Methode	Total	% good	% insuff.	% outlier	target value	CV%	Typ
1 microINR	47	80.9	10.6	8.5	2.0	9.8	e