

Verein für
Association pour le
Associazione per il



medizinische Qualitätskontrolle
contrôle de qualité médical
controllo di qualità medico

Survey Report

2016 - 4

Survey Specimens

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

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

Determination of target values

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

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

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

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

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

Uncertainty of the determined target values

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

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

- 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.

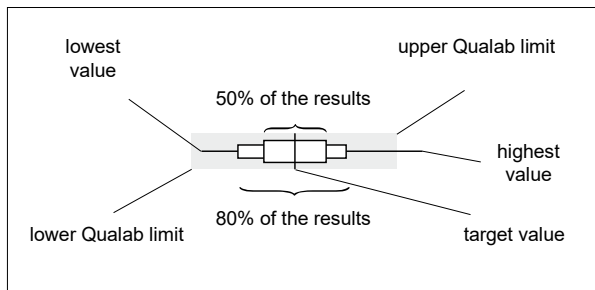
QUALAB and MQ tolerances

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:

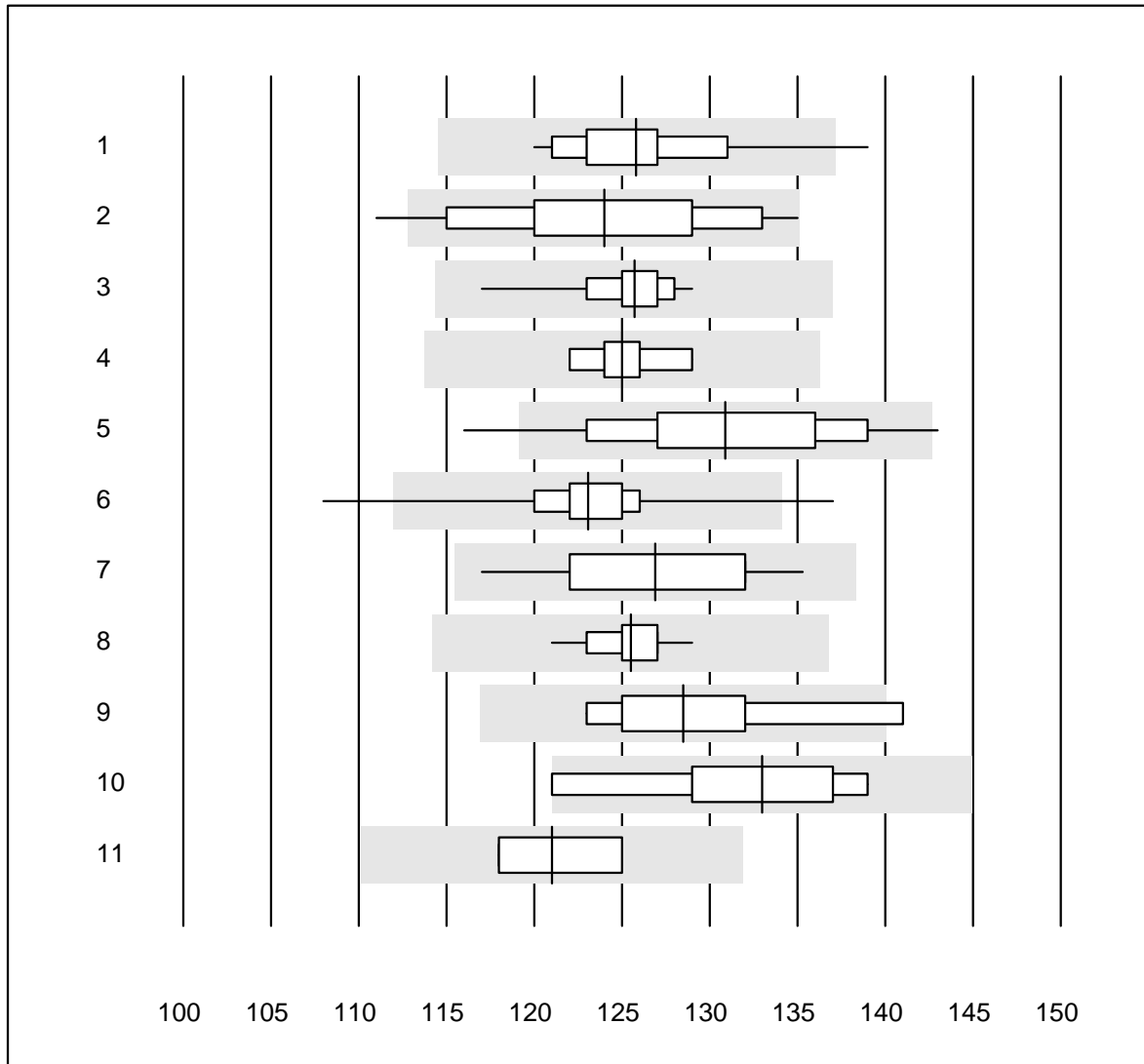
- The chemical control K1 is a ready-to-use commercial control serum. Even if the specimen is of human origin, it is possible that matrix effects occur. These are device-specific and result in different target values.
- Only one specimen was measured. Since the scatter of the results is dependent on 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, 3.12.2016

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

Hemoglobin

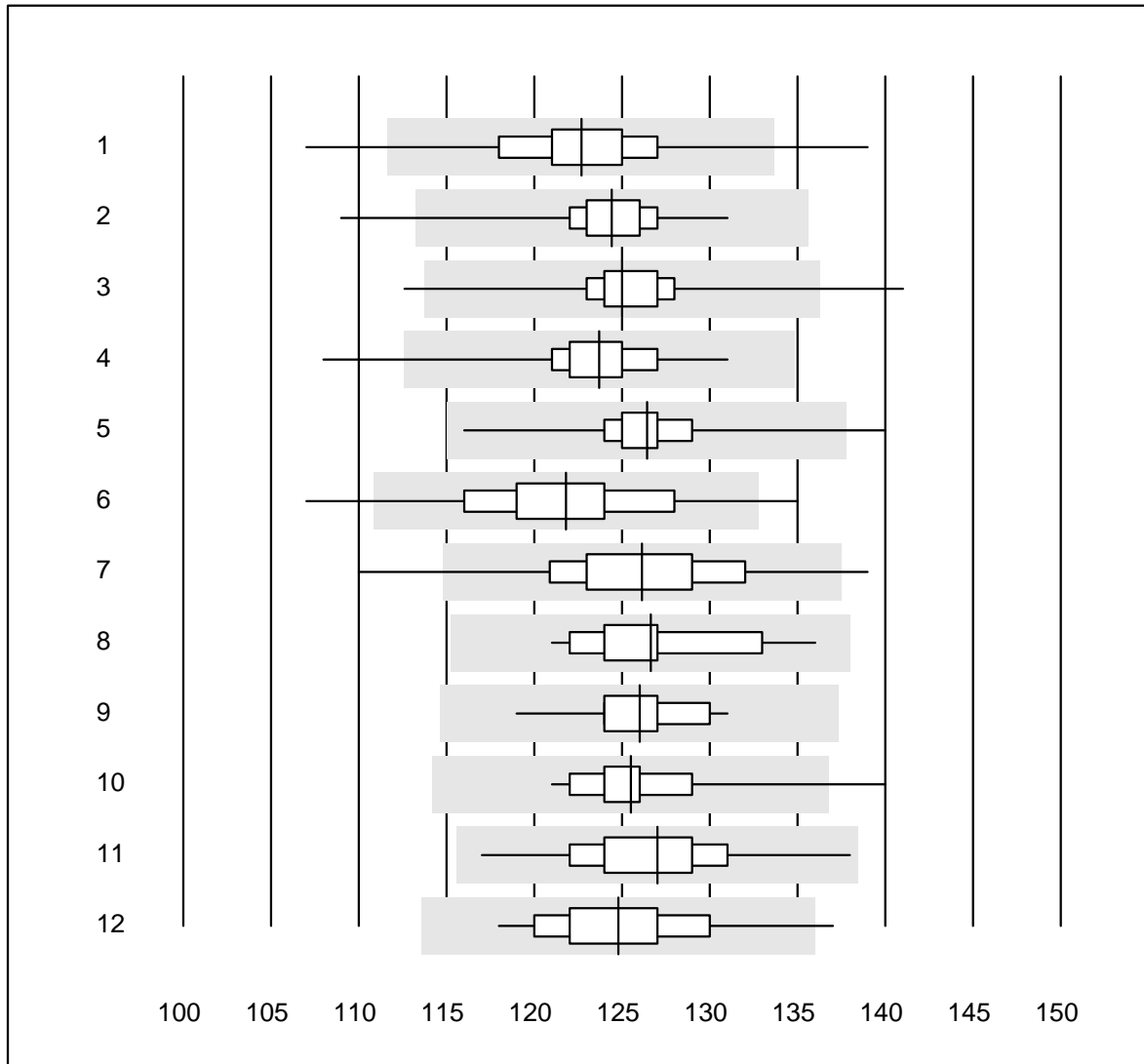


QUALAB tolerance : 9 %

Hemoglobin (g/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Automat	33	90.9	3.0	6.1	125.8	3.4	e
2	Cyanmethemoglobin	41	90.3	2.4	7.3	124.0	5.0	e
3	Sysmex X	38	97.4	0.0	2.6	125.7	1.7	e
4	ABX Pentra	9	100.0	0.0	0.0	125.0	1.8	e
5	Reflotron	63	87.4	6.3	6.3	130.9	4.8	e
6	Hemocue	356	92.4	1.4	6.2	123.1	2.4	e
7	Dr. Lange	19	78.9	0.0	21.1	126.9	4.0	e
8	Hemocontrol	13	100.0	0.0	0.0	125.5	1.7	e
9	Eurolyser	6	83.3	16.7	0.0	128.5	4.9	e*
10	DiaSpect	8	87.5	12.5	0.0	133.0	4.6	e*
11	MS4	4	75.0	0.0	25.0	121.0	3.1	e*

Hemoglobin

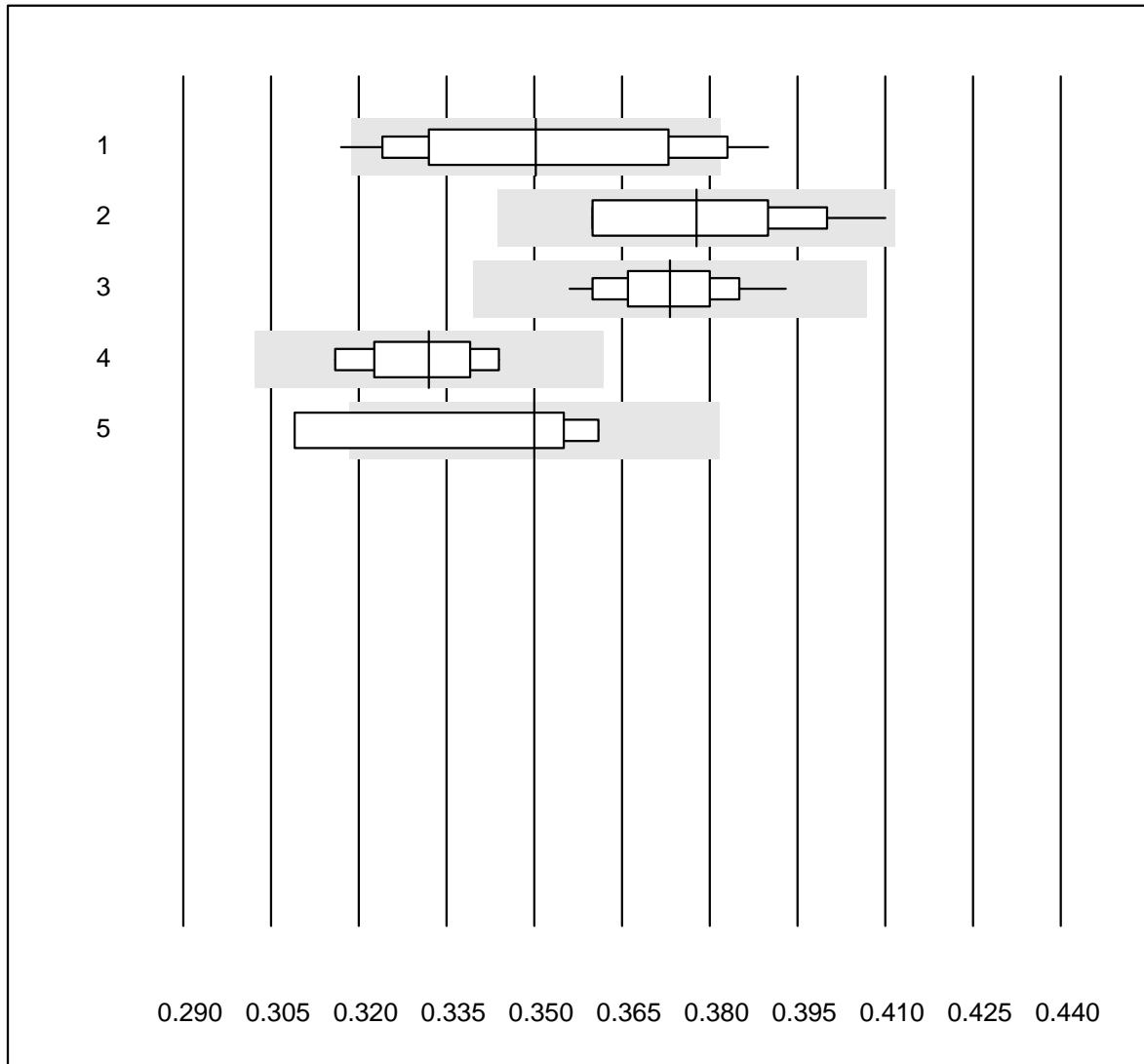


QUALAB tolerance : 9 %

Hemoglobin (g/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Abx Micros	692	94.4	1.6	4.0	122.7	3.2	e
2	Microsemi	403	96.3	0.5	3.2	124.4	2.0	e
3	Sysmex KX21	378	95.0	1.3	3.7	125.0	2.2	e
4	Sysmex PochH - 100i	209	97.2	1.4	1.4	123.7	2.5	e
5	Sysmex XP 300	299	96.3	0.7	3.0	126.4	1.9	e
6	Mythic	245	94.3	2.4	3.3	121.8	3.6	e
7	Swelab	70	91.4	5.7	2.9	126.1	4.0	e
8	Abacus Junior	12	91.7	0.0	8.3	126.6	3.5	e
9	Medonic	14	100.0	0.0	0.0	126.0	2.3	e
10	Nihon Kohden Celltac	41	90.3	2.4	7.3	125.5	2.6	e
11	Samsung HC10	45	100.0	0.0	0.0	127.0	3.3	e
12	Norma Icon 3	24	95.8	4.2	0.0	124.8	3.3	e

Hematocrit

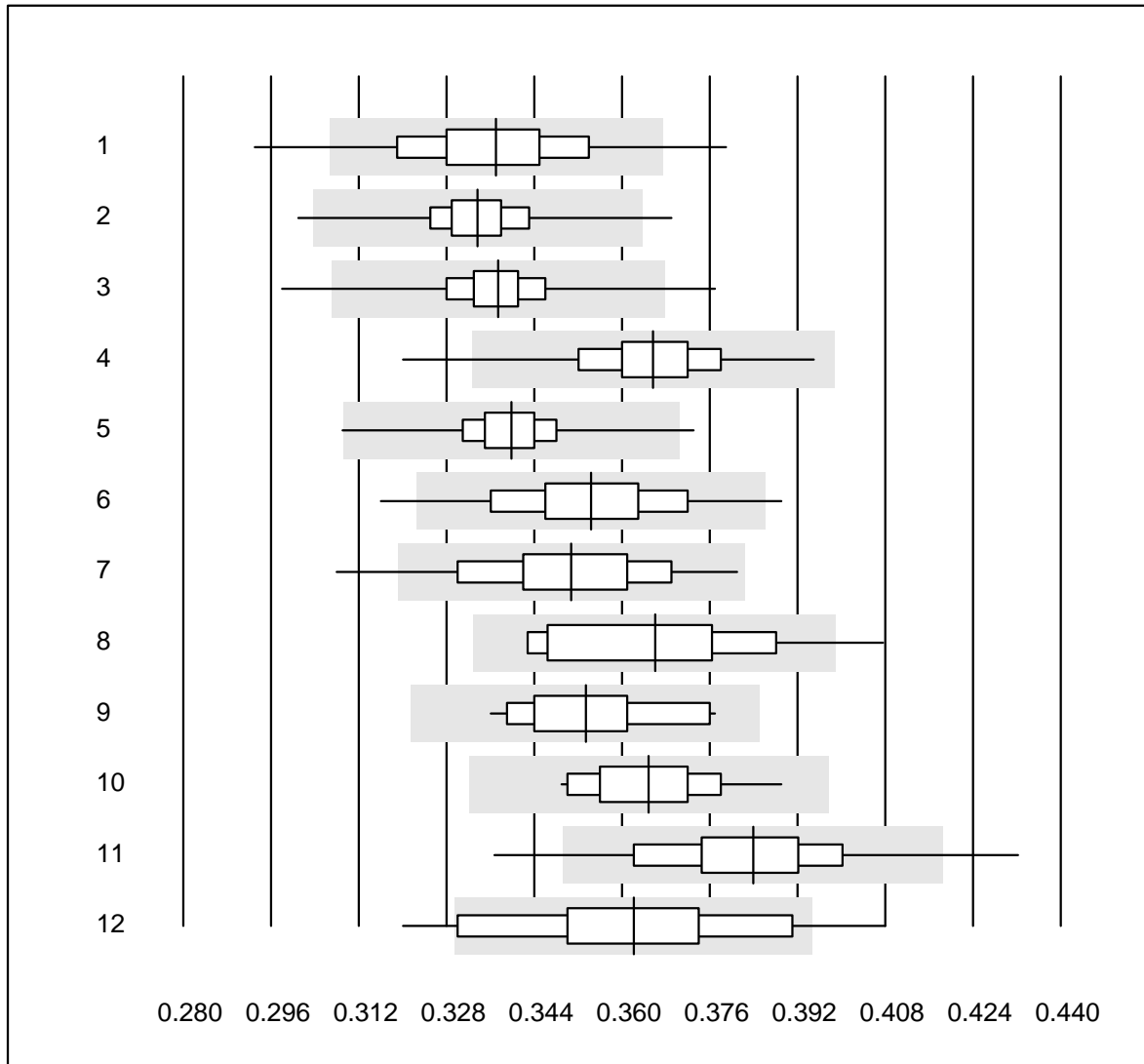


QUALAB tolerance : 9 %

Hematocrit (l/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Automat	28	78.6	14.3	7.1	0.35	6.1	e*
2	Centrifuge	13	100.0	0.0	0.0	0.38	5.1	e*
3	Sysmex X	37	97.3	0.0	2.7	0.37	2.4	e
4	ABX Pentra	9	100.0	0.0	0.0	0.33	3.0	e
5	MS4	4	75.0	25.0	0.0	0.35	6.8	e*

Hematocrit

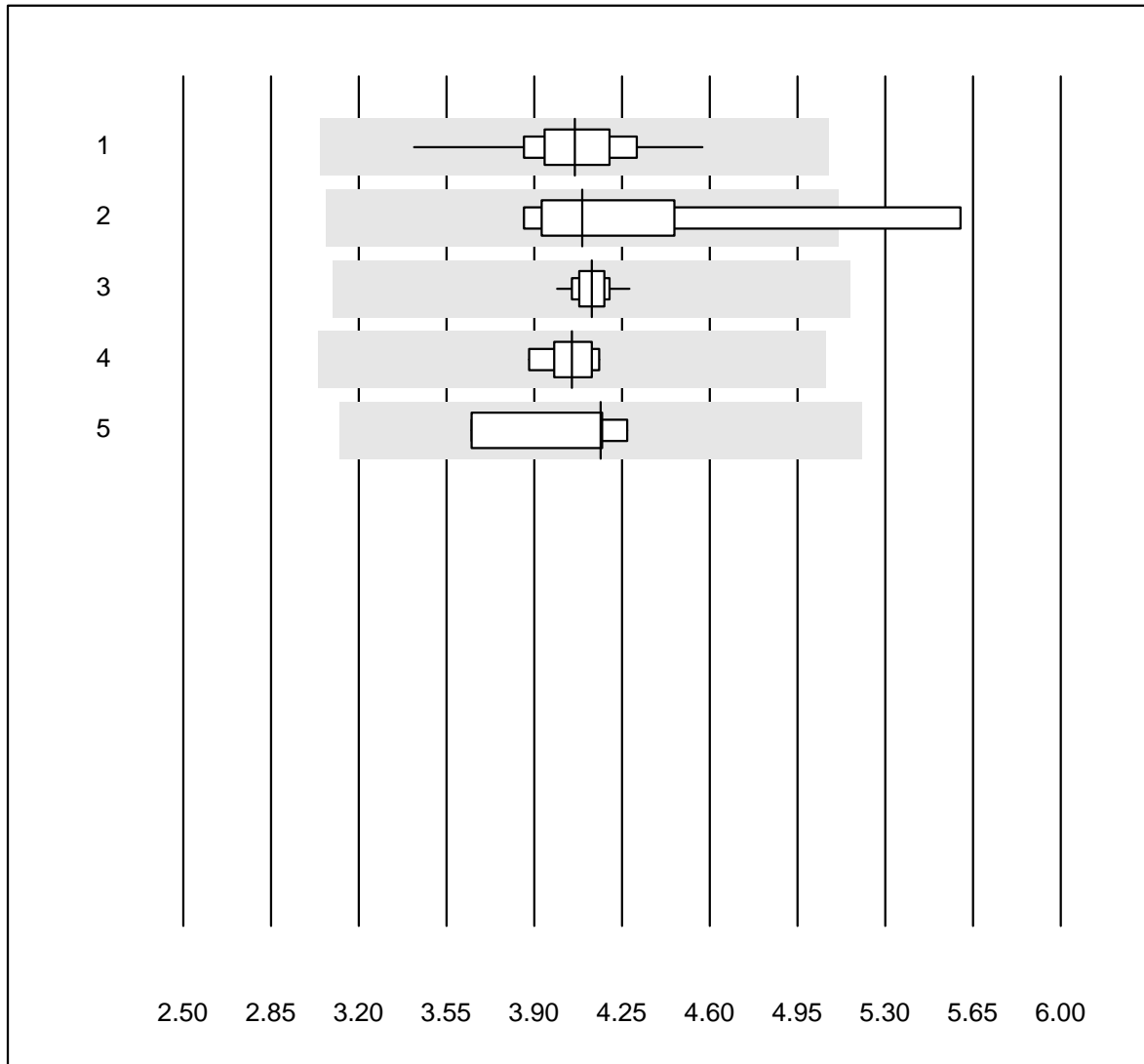


QUALAB tolerance : 9 %

Hematocrit (l/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Abx Micros	692	90.3	3.5	6.2	0.34	4.2	e
2	Microsemi	400	97.5	0.5	2.0	0.33	2.3	e
3	Sysmex KX21	378	95.0	1.3	3.7	0.34	2.5	e
4	Sysmex PochH - 100i	209	97.2	1.4	1.4	0.37	3.1	e
5	Sysmex XP 300	295	97.3	1.0	1.7	0.34	2.3	e
6	Mythic	245	93.4	3.3	3.3	0.35	3.9	e
7	Swelab	70	90.0	4.3	5.7	0.35	4.5	e
8	Abacus Junior	12	75.0	8.3	16.7	0.37	5.8	e*
9	Medonic	14	92.9	0.0	7.1	0.35	3.7	e
10	Nihon Kohden Celltac	41	92.7	0.0	7.3	0.36	2.7	e
11	Samsung HC10	45	91.2	4.4	4.4	0.38	4.1	e
12	Norma Icon 3	24	70.8	16.7	12.5	0.36	6.6	e*

Erythrocytes

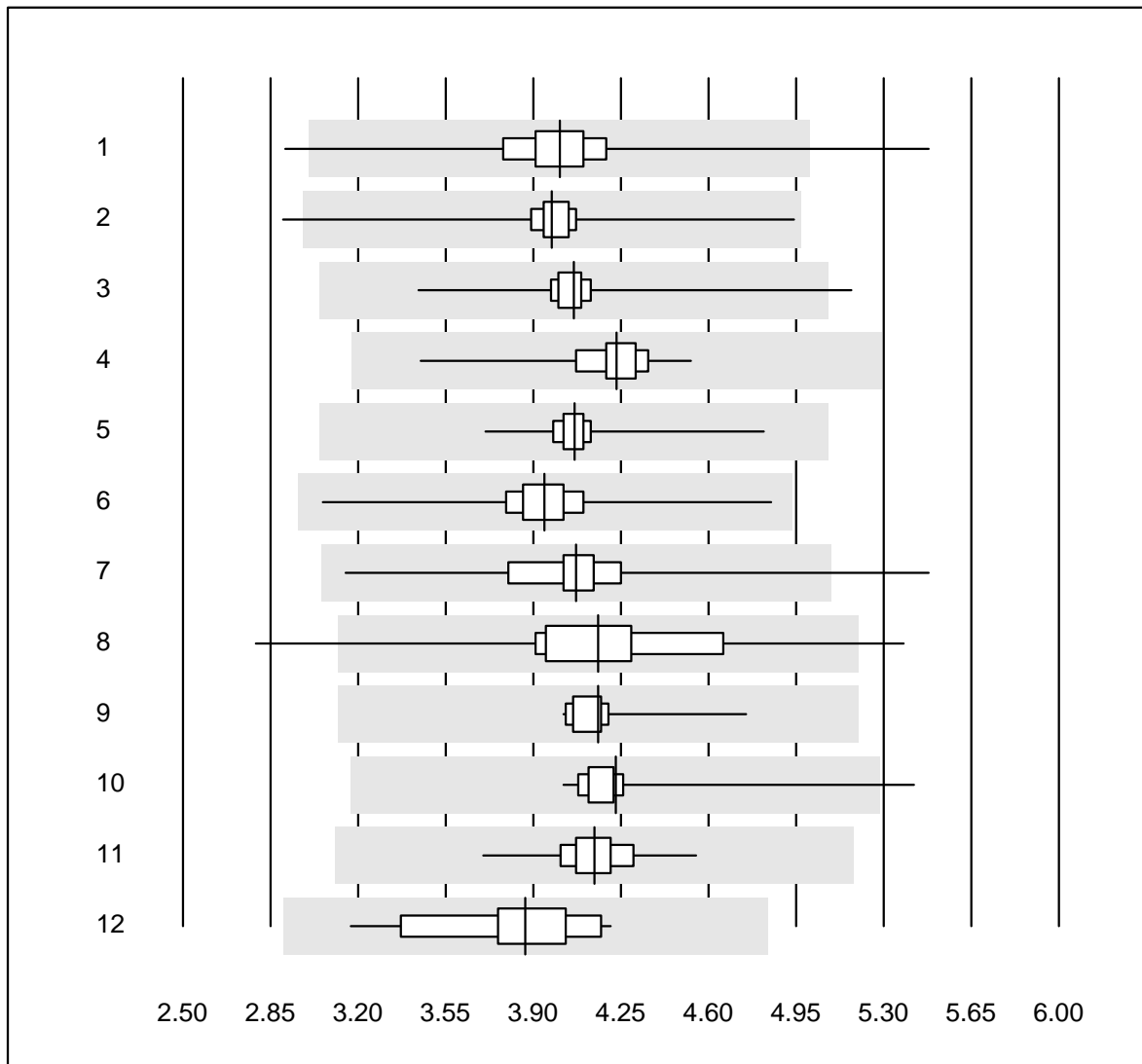


QUALAB tolerance : 25 %

Erythrocytes (T/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Automat	27	96.3	0.0	3.7	4.06	5.4	e
2	Microscopic	7	85.7	14.3	0.0	4.09	14.0	e*
3	Sysmex X	39	94.9	0.0	5.1	4.13	1.7	e
4	ABX Pentra	9	100.0	0.0	0.0	4.05	2.5	e
5	MS4	4	100.0	0.0	0.0	4.17	6.9	e*

Erythrocytes

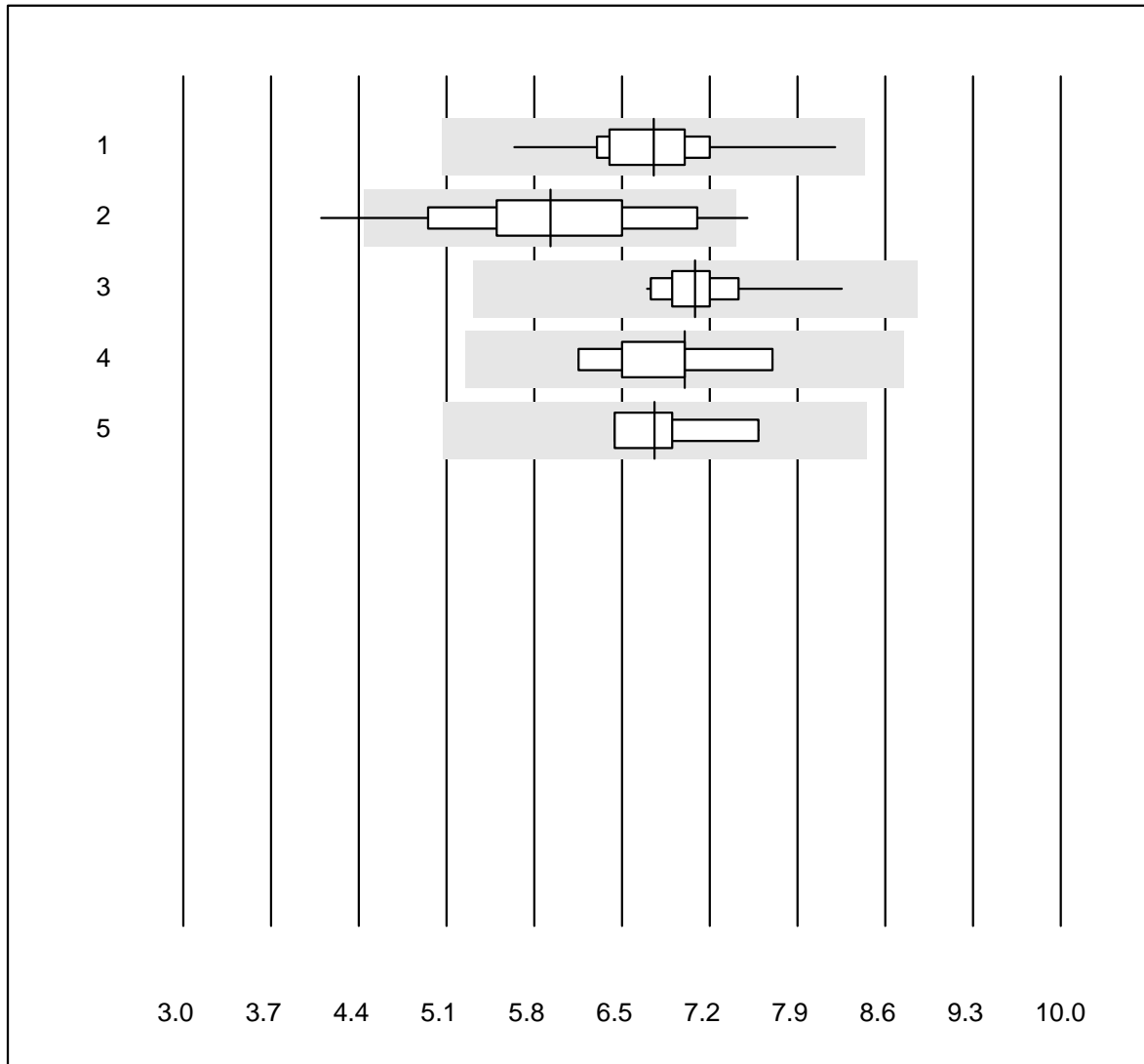


QUALAB tolerance : 25 %

Erythrocytes (T/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Abx Micros	691	96.5	0.9	2.6	4.00	5.7	e
2	Microsemi	402	98.1	0.2	1.7	3.97	3.4	e
3	Sysmex KX21	378	97.6	0.8	1.6	4.06	3.6	e
4	Sysmex PochH - 100i	210	99.0	0.0	1.0	4.23	3.1	e
5	Sysmex XP 300	296	98.6	0.0	1.4	4.06	2.6	e
6	Mythic	245	98.4	0.0	1.6	3.94	3.9	e
7	Swelab	70	98.6	1.4	0.0	4.07	6.6	e
8	Abacus Junior	12	83.3	16.7	0.0	4.16	14.2	e*
9	Medonic	14	100.0	0.0	0.0	4.16	4.3	e
10	Nihon Kohden Celltac	41	97.6	2.4	0.0	4.23	6.1	e
11	Samsung HC10	45	100.0	0.0	0.0	4.14	3.2	e
12	Norma Icon 3	24	100.0	0.0	0.0	3.87	7.0	e

Leucocytes

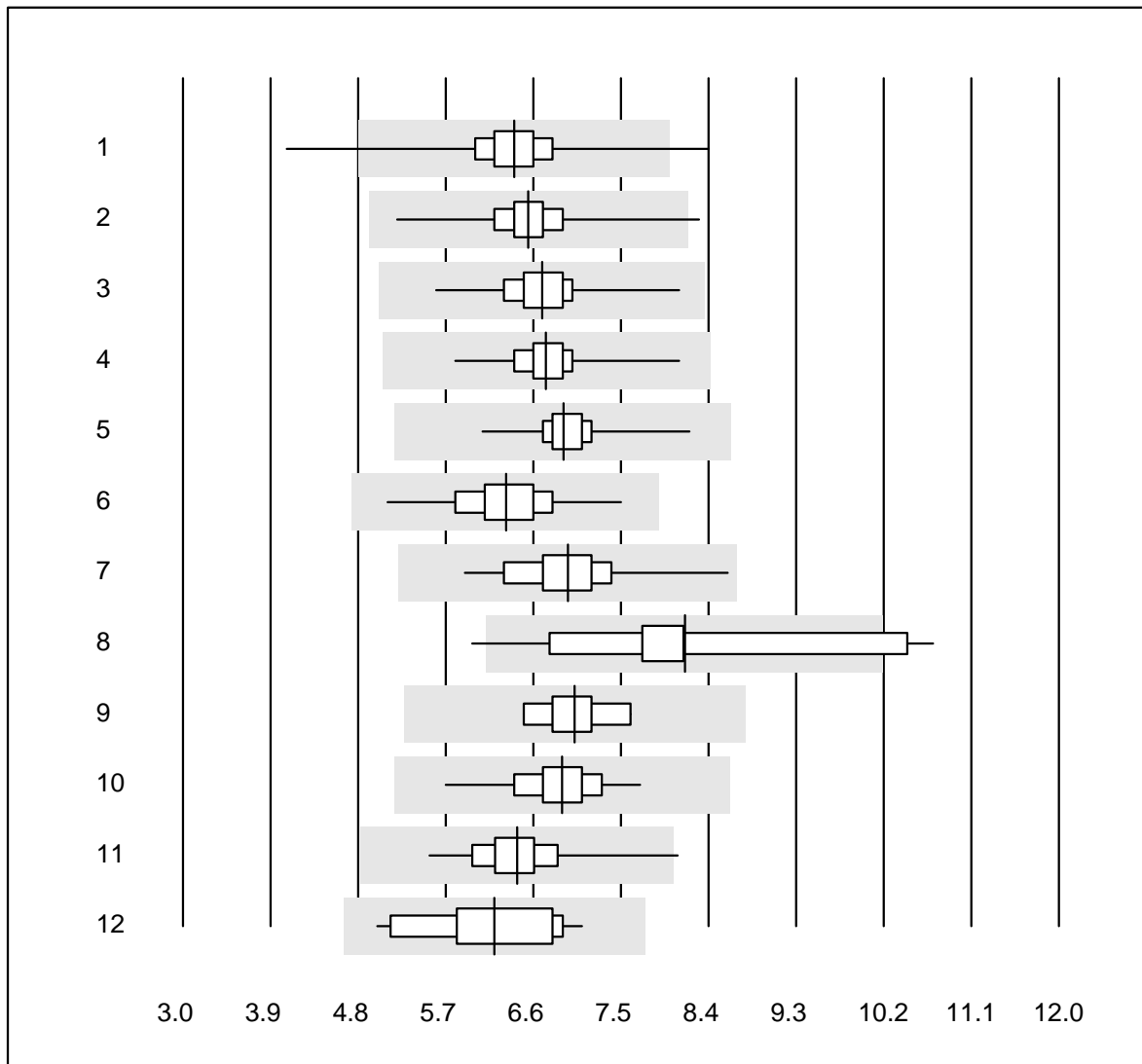


QUALAB tolerance : 25 %

Leucocytes (G/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Automat	25	96.0	0.0	4.0	6.75	8.0	e
2	Microscopic	47	87.2	8.5	4.3	5.93	13.5	e
3	Sysmex X	39	100.0	0.0	0.0	7.08	4.1	e
4	ABX Pentra	9	100.0	0.0	0.0	7.00	6.9	e
5	MS4	4	100.0	0.0	0.0	6.76	7.3	e*

Leucocytes

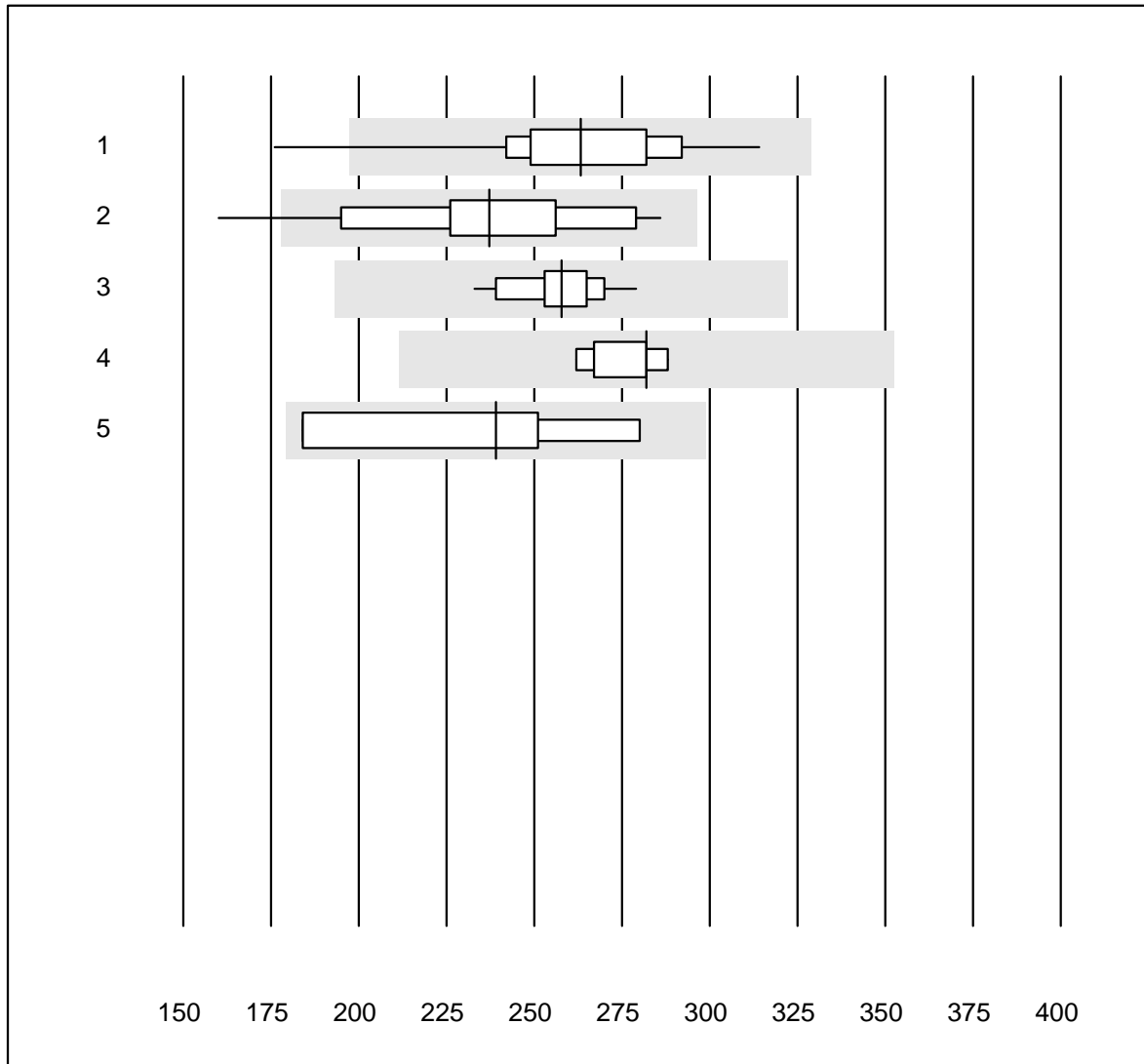


QUALAB tolerance : 25 %

Leucocytes (G/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Abx Micros	692	97.4	0.7	1.9	6.40	5.9	e
2	Microsemi	403	99.8	0.2	0.0	6.55	4.6	e
3	Sysmex KX21	378	99.2	0.0	0.8	6.69	4.6	e
4	Sysmex PochH - 100i	210	99.5	0.0	0.5	6.73	4.4	e
5	Sysmex XP 300	297	99.0	0.0	1.0	6.91	3.4	e
6	Mythic	243	99.6	0.0	0.4	6.32	6.1	e
7	Swelab	70	100.0	0.0	0.0	6.96	6.9	e
8	Abacus Junior	12	75.0	25.0	0.0	8.16	16.1	e*
9	Medonic	14	100.0	0.0	0.0	7.02	5.2	e
10	Nihon Kohden Celltac	41	100.0	0.0	0.0	6.89	5.5	e
11	Samsung HC10	45	97.8	2.2	0.0	6.43	6.1	e
12	Norma Icon 3	24	95.8	0.0	4.2	6.20	9.9	e

Thrombocytes

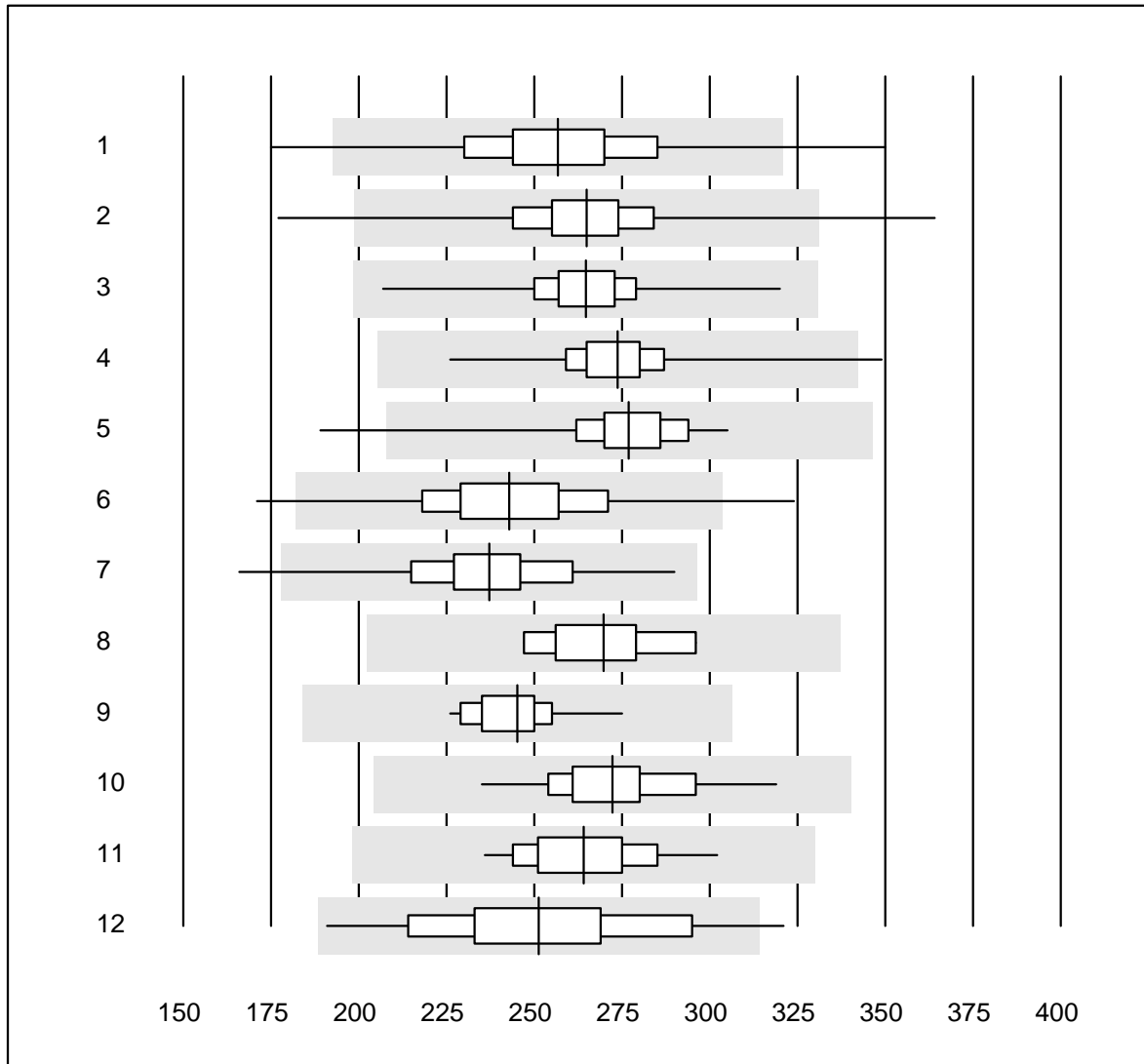


QUALAB tolerance : 25 %

Thrombocytes (G/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Automat	23	95.7	4.3	0.0	263.2	10.9	e
2	Microscopic	27	81.5	7.4	11.1	237.2	13.6	e
3	Sysmex X	38	100.0	0.0	0.0	257.8	4.1	e
4	ABX Pentra	9	100.0	0.0	0.0	282.0	3.6	e
5	MS4	4	100.0	0.0	0.0	239.0	17.2	e*

Thrombocytes

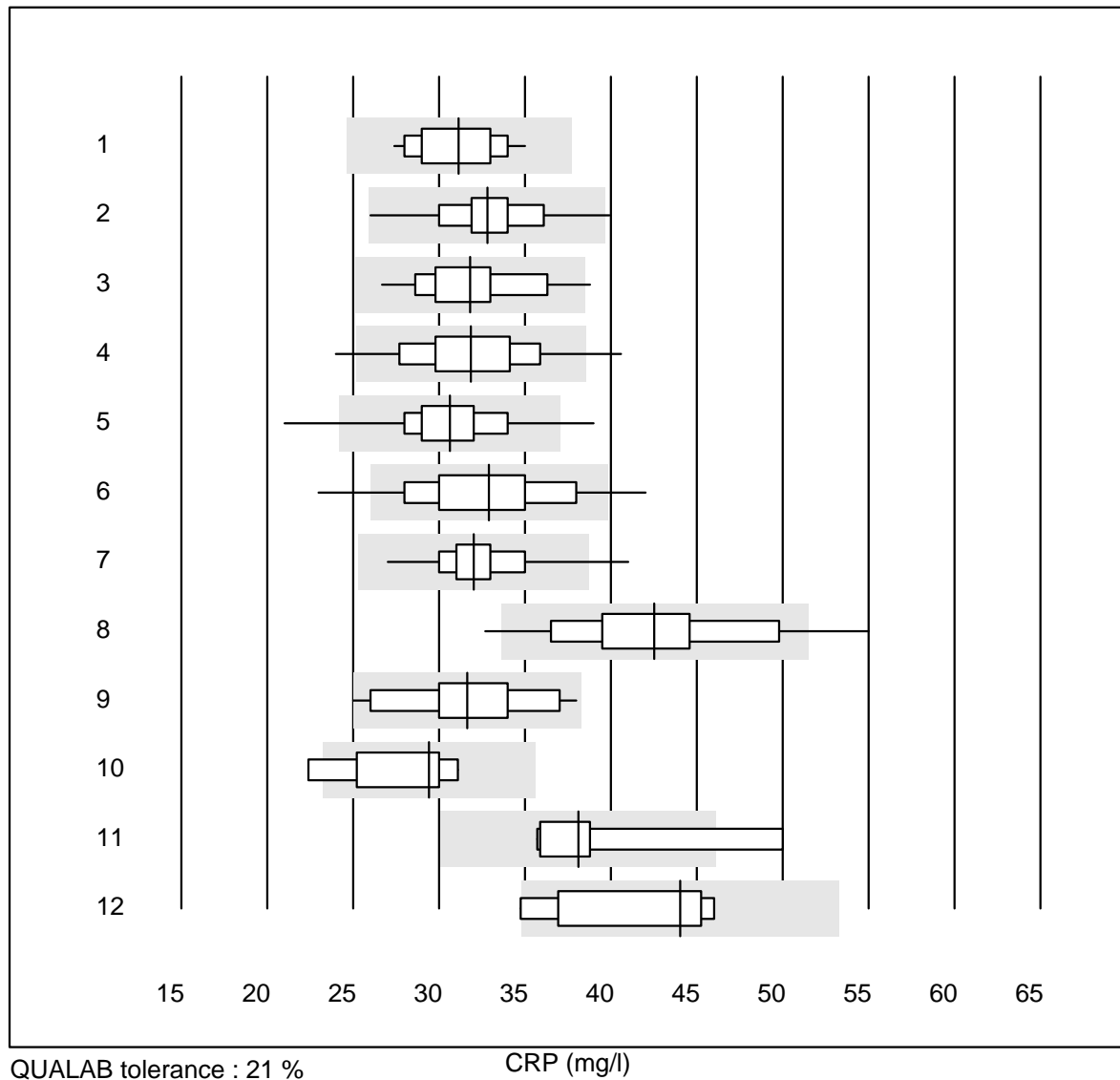


QUALAB tolerance : 25 %

Thrombocytes (G/l)

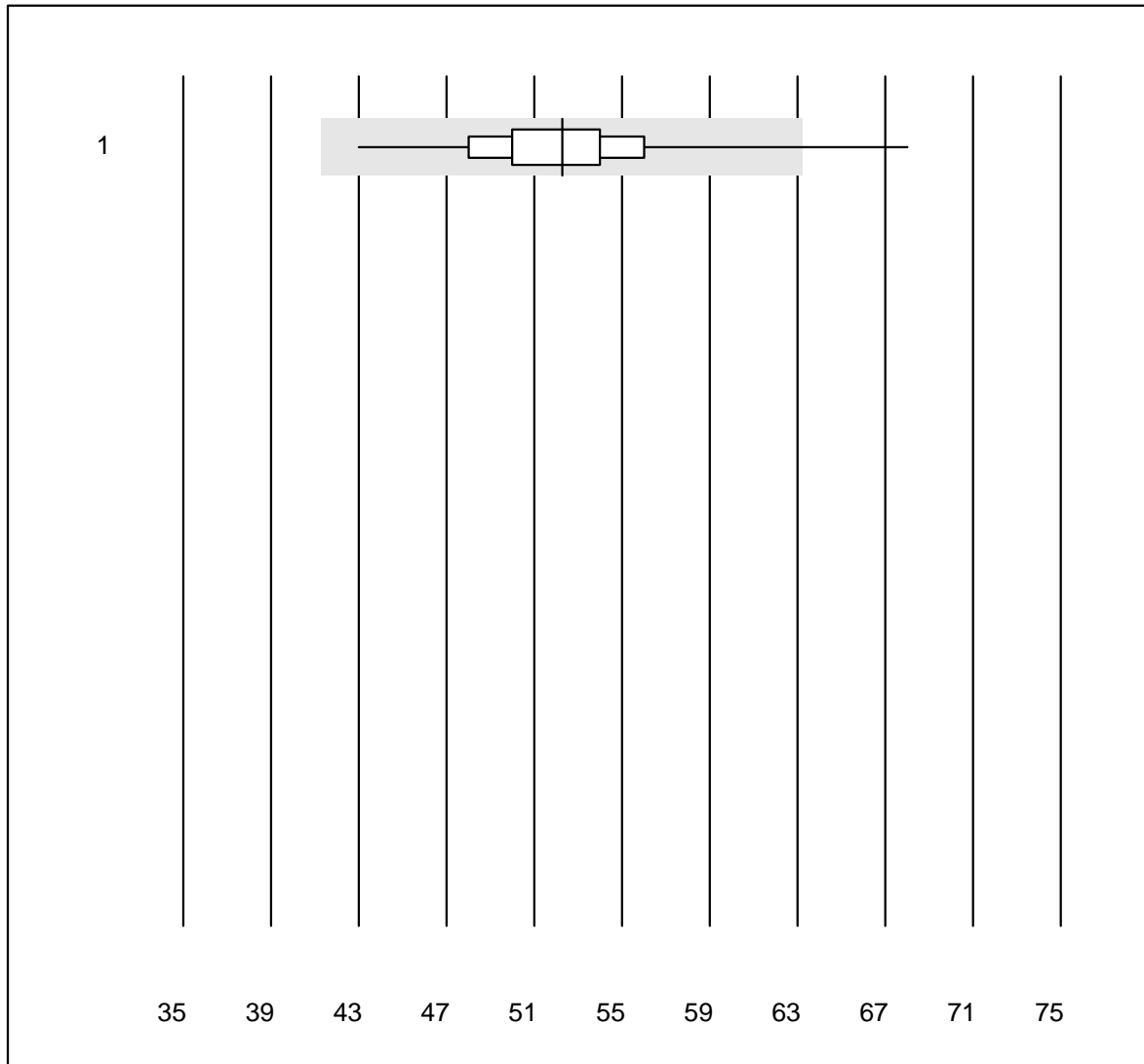
No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Abx Micros	692	96.1	2.2	1.7	256.7	9.2	e
2	Microsemi	403	98.5	1.5	0.0	264.9	7.1	e
3	Sysmex KX21	378	99.7	0.0	0.3	264.6	5.1	e
4	Sysmex PochH - 100i	209	99.0	0.5	0.5	273.7	5.1	e
5	Sysmex XP 300	297	99.0	0.3	0.7	277.0	5.0	e
6	Mythic	245	97.6	1.6	0.8	242.9	9.0	e
7	Swelab	70	98.6	1.4	0.0	237.2	8.4	e
8	Abacus Junior	12	75.0	0.0	25.0	269.7	6.5	e
9	Medonic	14	100.0	0.0	0.0	245.1	5.1	e
10	Nihon Kohden Celltac	41	100.0	0.0	0.0	272.3	6.3	e
11	Samsung HC10	45	100.0	0.0	0.0	264.1	6.2	e
12	Norma Icon 3	24	95.8	4.2	0.0	251.3	12.7	e

CRP



No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Cobas	14	100.0	0.0	0.0	31.2	7.5	e
2	Turbidimetry	33	84.9	3.0	12.1	32.8	8.2	e
3	Abx Micros	78	96.1	1.3	2.6	31.8	9.3	e
4	ABX Micros CRP200	275	94.5	3.3	2.2	31.8	10.2	e
5	Afinion	1291	98.8	1.0	0.2	30.6	7.6	e
6	NycoCard SingleTest-	321	79.1	7.8	13.1	32.9	11.1	e
7	Quick Read go	159	96.3	0.6	3.1	32.0	6.3	e
8	Eurolyser	131	75.5	6.9	17.6	42.5	11.2	e
9	Fuji Dri-Chem	27	100.0	0.0	0.0	31.6	11.0	e
10	Autolyser/DiaSys	9	77.8	11.1	11.1	29.4	10.5	e*
11	Piccolo	6	83.3	16.7	0.0	38.1	13.6	e*
12	AFIAS	5	80.0	20.0	0.0	44.0	12.5	e*

CRP

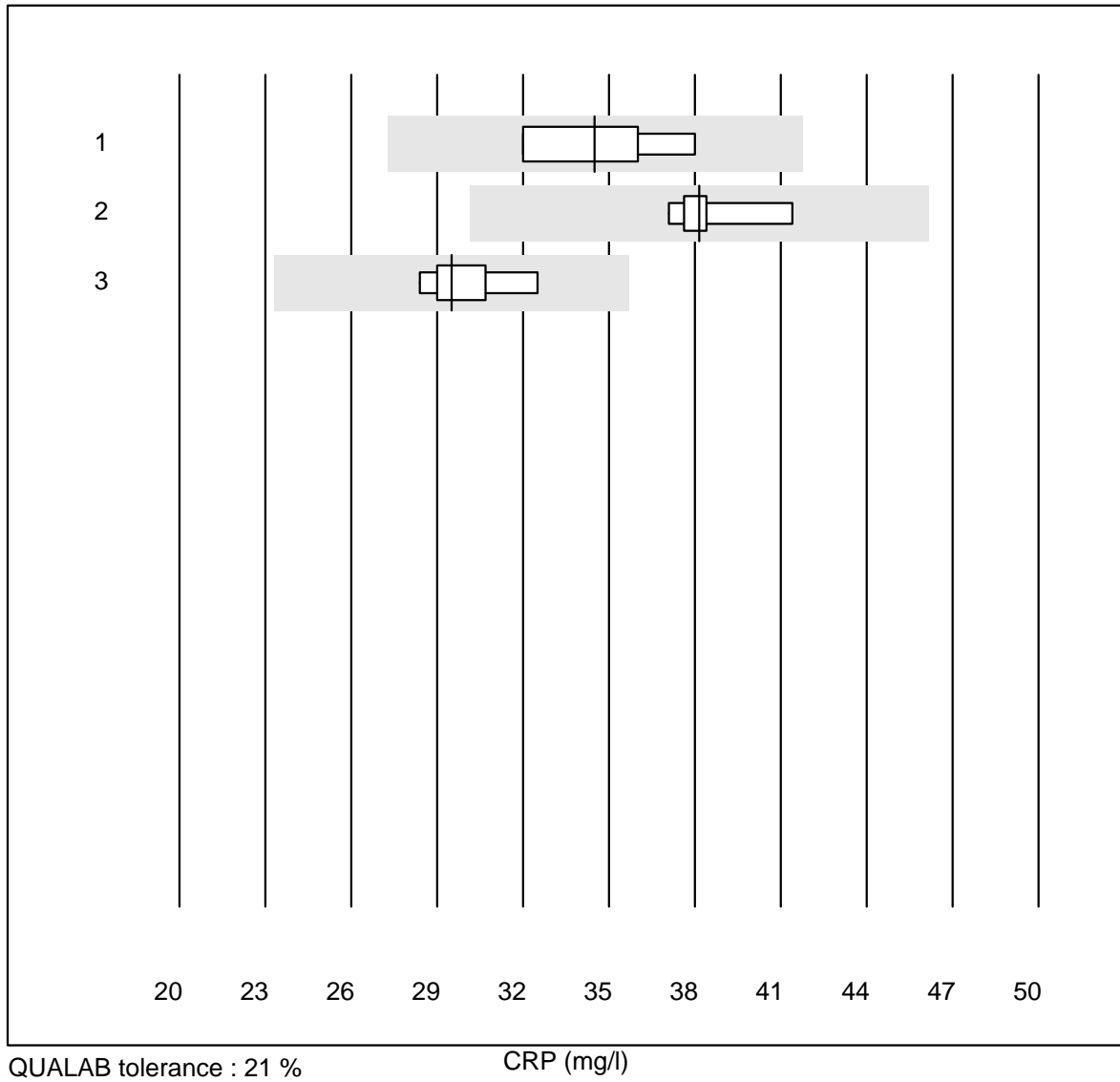


QUALAB tolerance : 21 %

CRP (mg/l)

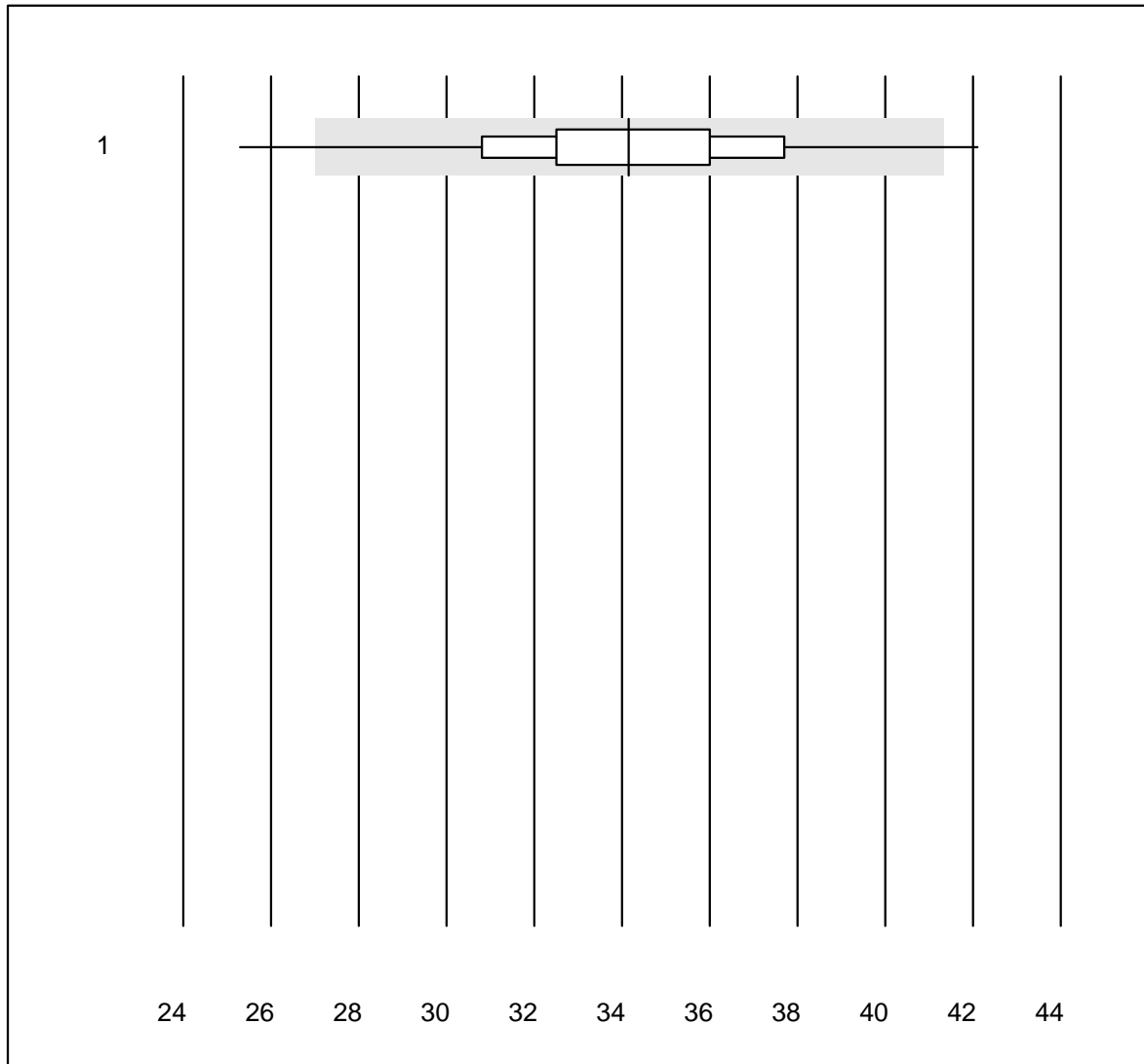
No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	QuikRead (Vollblut)	132	97.7	0.8	1.5	52.3	6.3	e

CRP



No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	AQT 90 FLEX	8	100.0	0.0	0.0	34.5	6.5	e
2	Spotchem D-Concept	5	100.0	0.0	0.0	38.2	4.4	e
3	Spotchem SI-3510	5	100.0	0.0	0.0	29.5	5.4	e

CRP



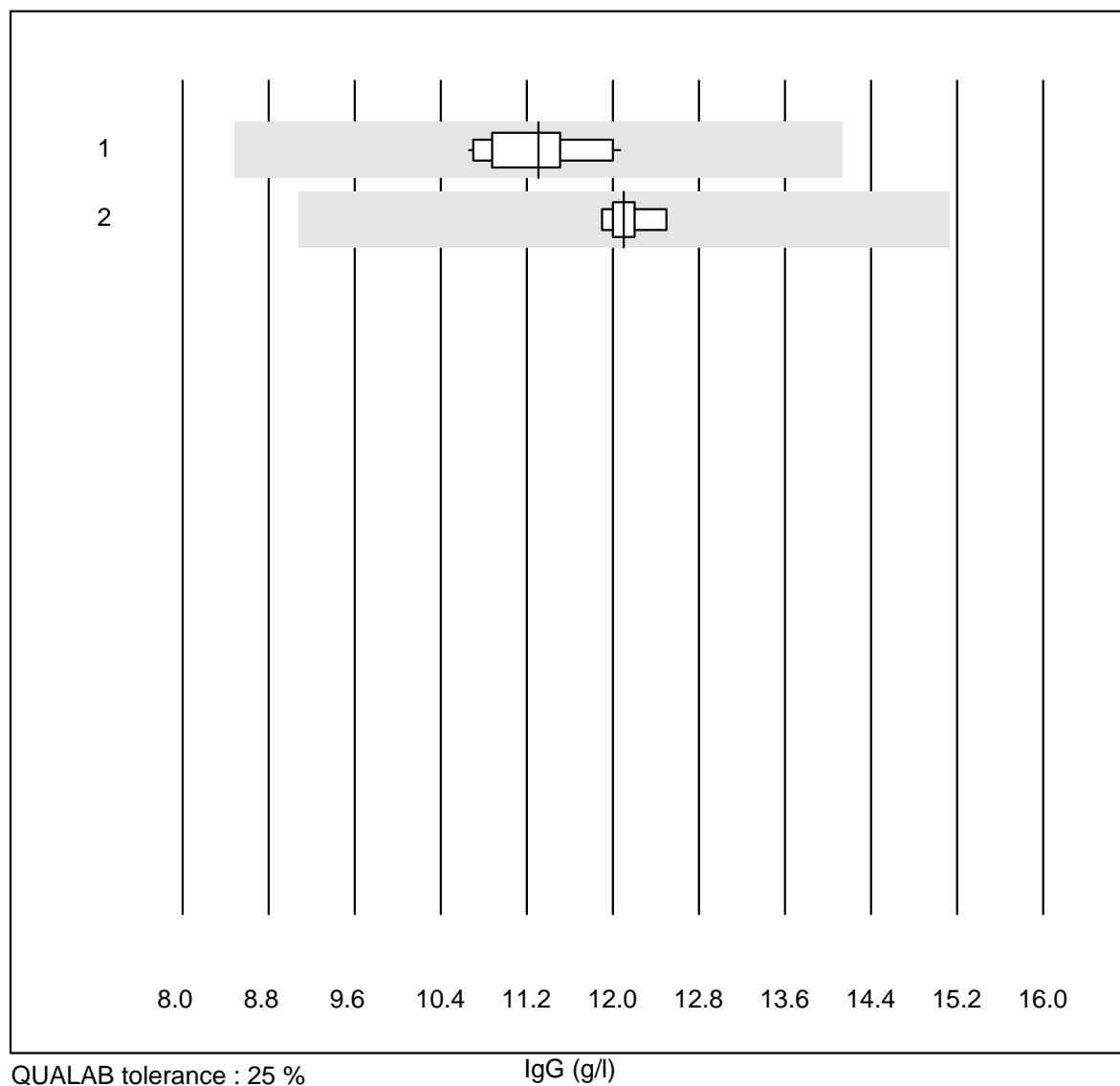
QUALAB tolerance : 21 %

CRP (mg/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Type
1	Microsemi	395	97.9	1.3	0.8	34.2	7.8	e

I2 Plasmaproteins

IgG

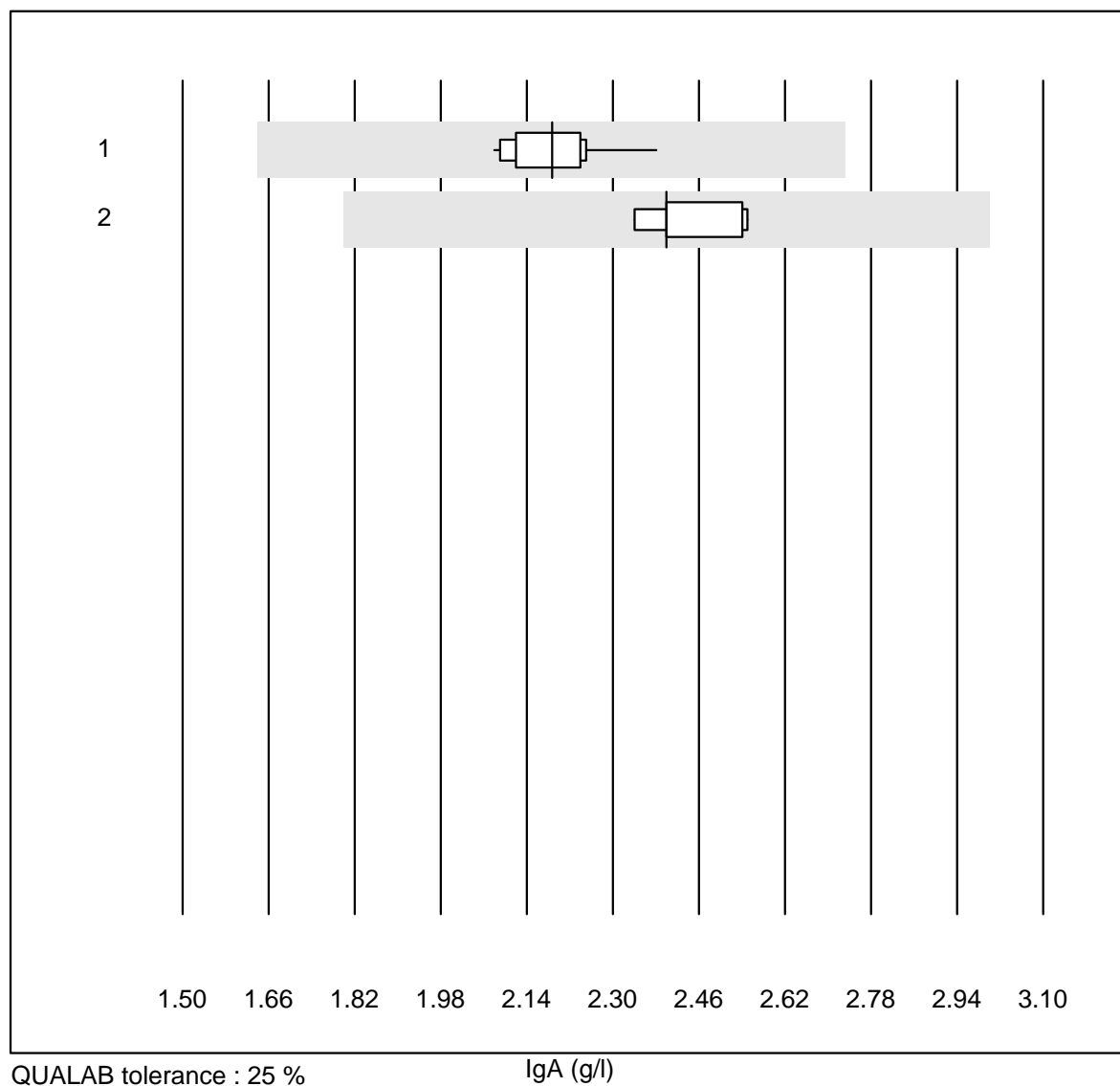


QUALAB tolerance : 25 %

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Turbidimetry	12	100.0	0.0	0.0	11.3	4.2	e
2	Nephelometry	7	85.7	0.0	14.3	12.1	1.7	e

I2 Plasmaproteins

IgA

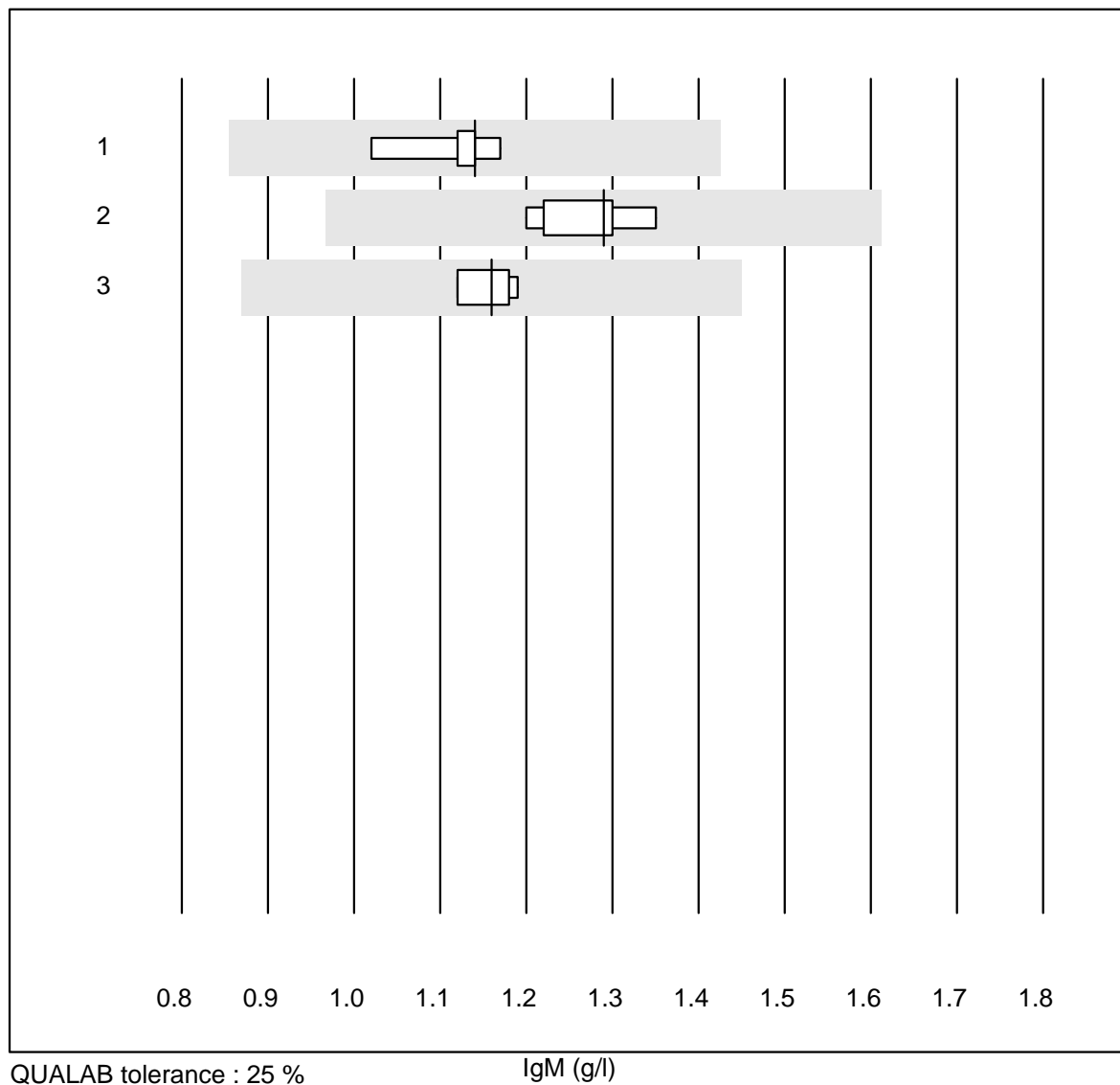


QUALAB tolerance : 25 %

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Turbidimetry	11	100.0	0.0	0.0	2.2	4.0	e
2	Nephelometry	7	85.7	0.0	14.3	2.4	3.5	e

I2 Plasmaproteins

IgM

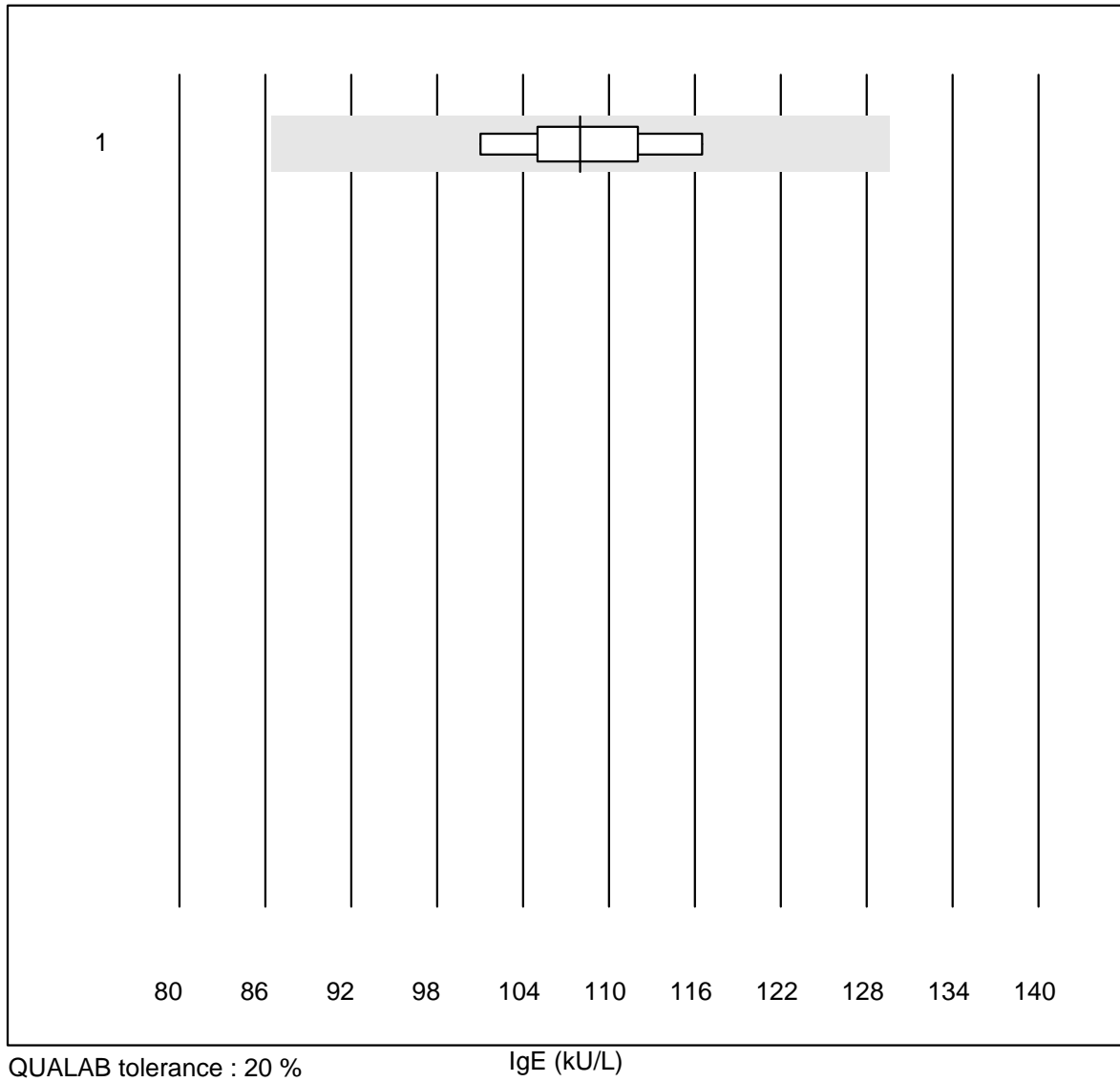


QUALAB tolerance : 25 %

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Turbidimetry	7	100.0	0.0	0.0	1.1	4.3	e
2	Nephelometry	7	71.4	0.0	28.6	1.3	4.8	e
3	Cobas Integra 800/40	5	100.0	0.0	0.0	1.2	2.8	e

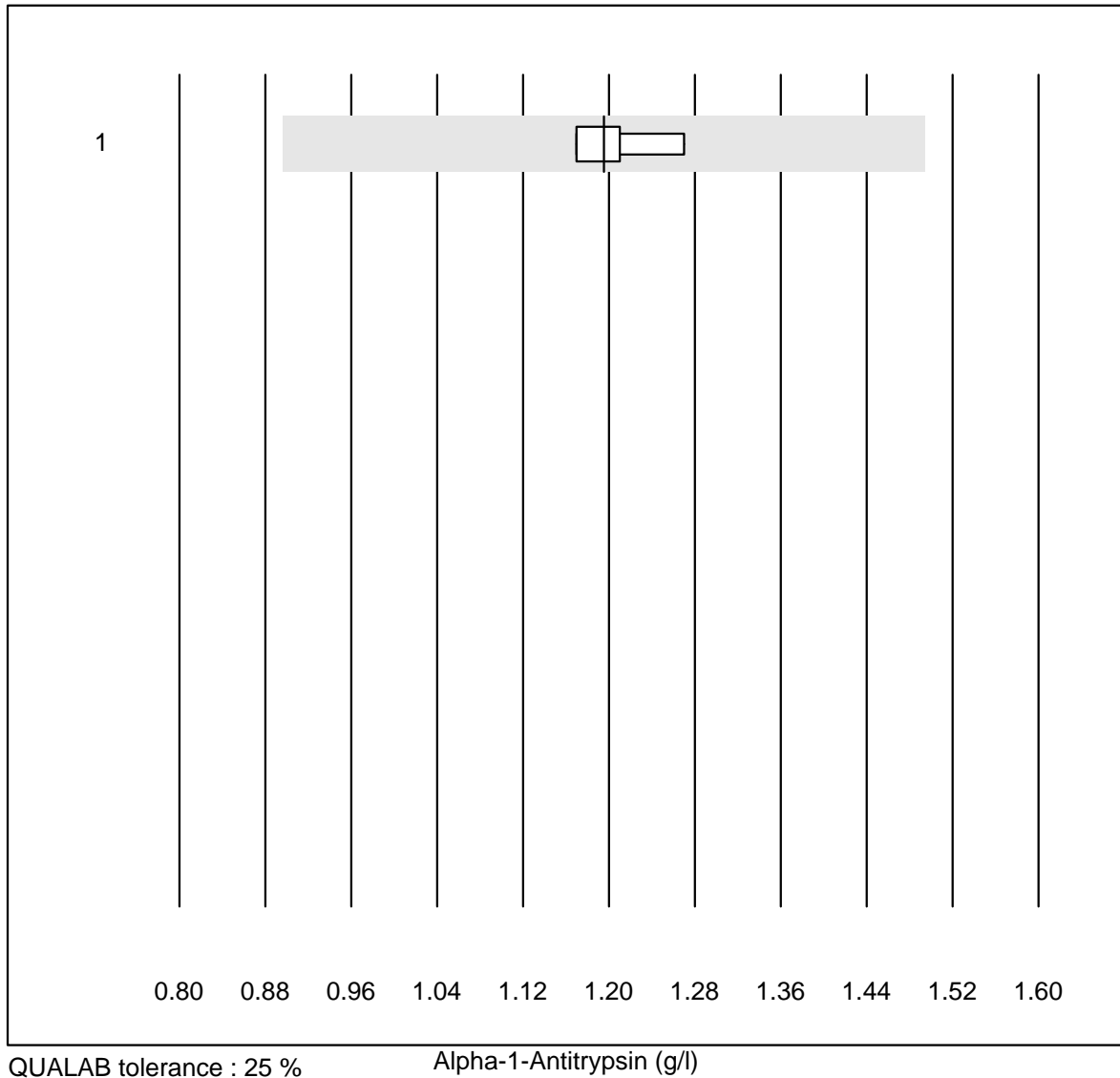
I2 Plasmaproteins

IgE



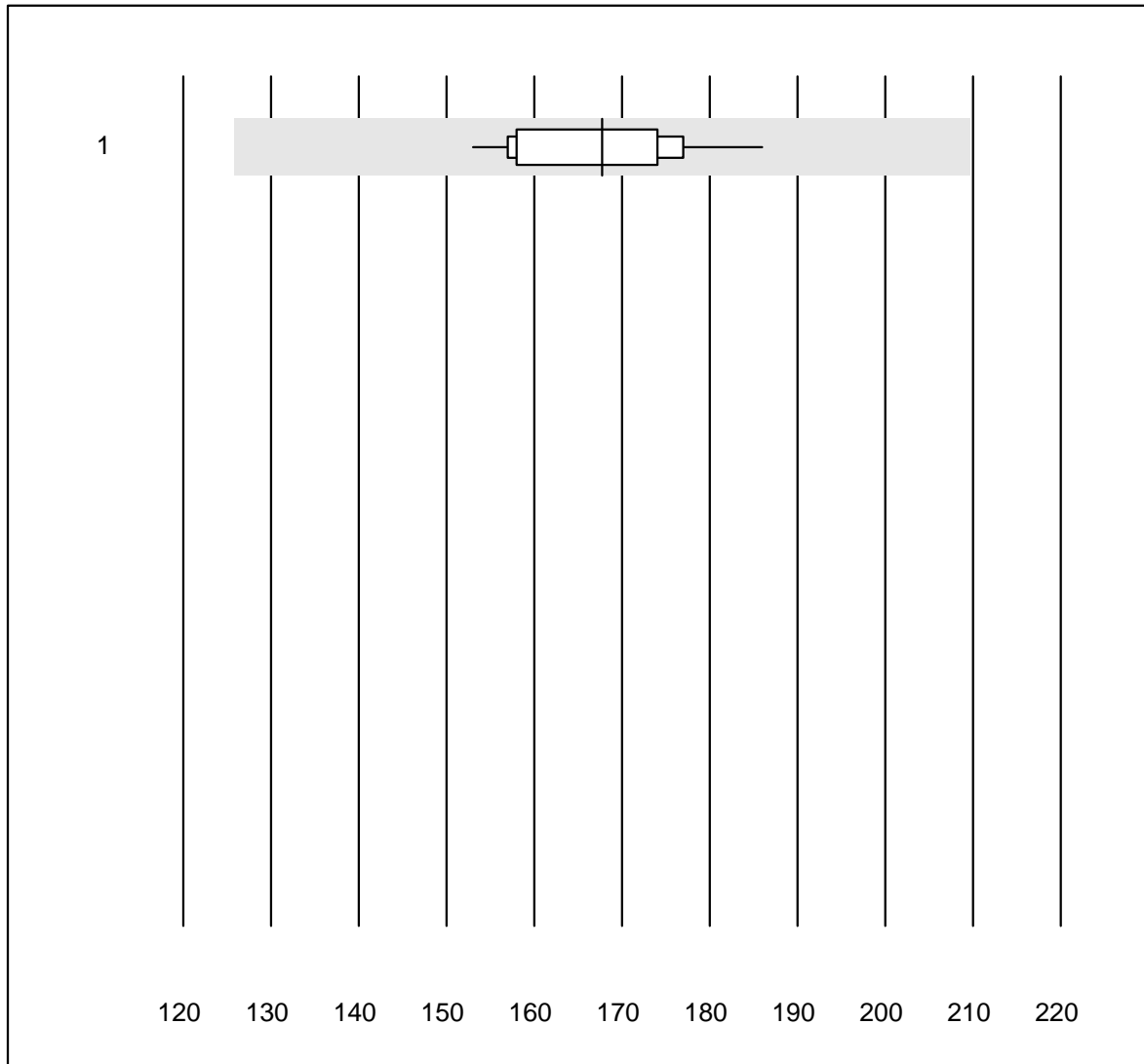
No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Type
1	all Participants	9	100.0	0.0	0.0	108	5.0	e

Alpha-1-Antitrypsin



No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Nephelometry	4	100.0	0.0	0.0	1.20	3.7	e

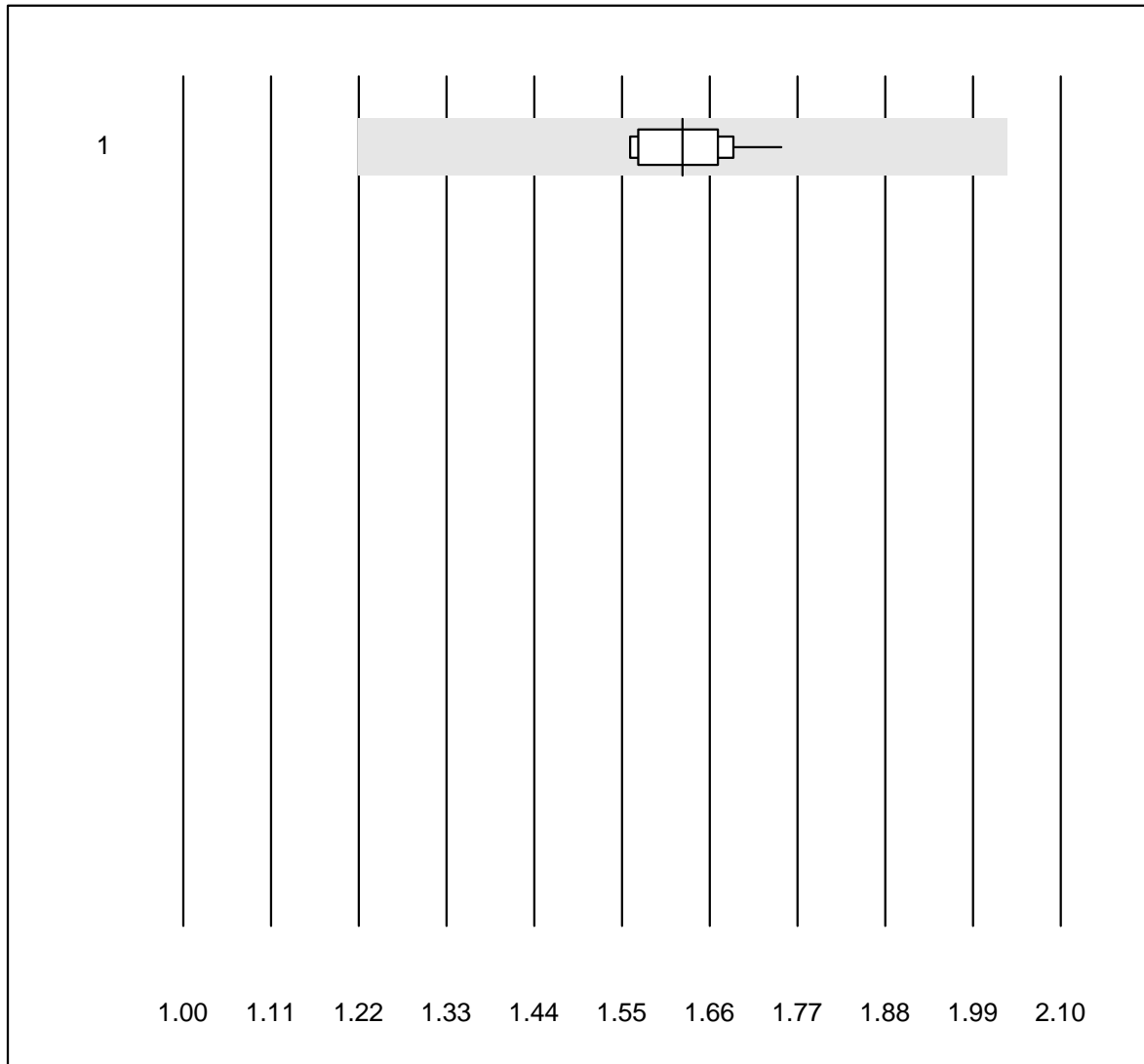
Anti-Streptolysin-Antibodies



QUALAB tolerance : 25 % Anti-Streptolysin-Antibodies (kIU/l)

No. Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1 all Participants	11	100.0	0.0	0.0	168	5.8	e

Complement C3

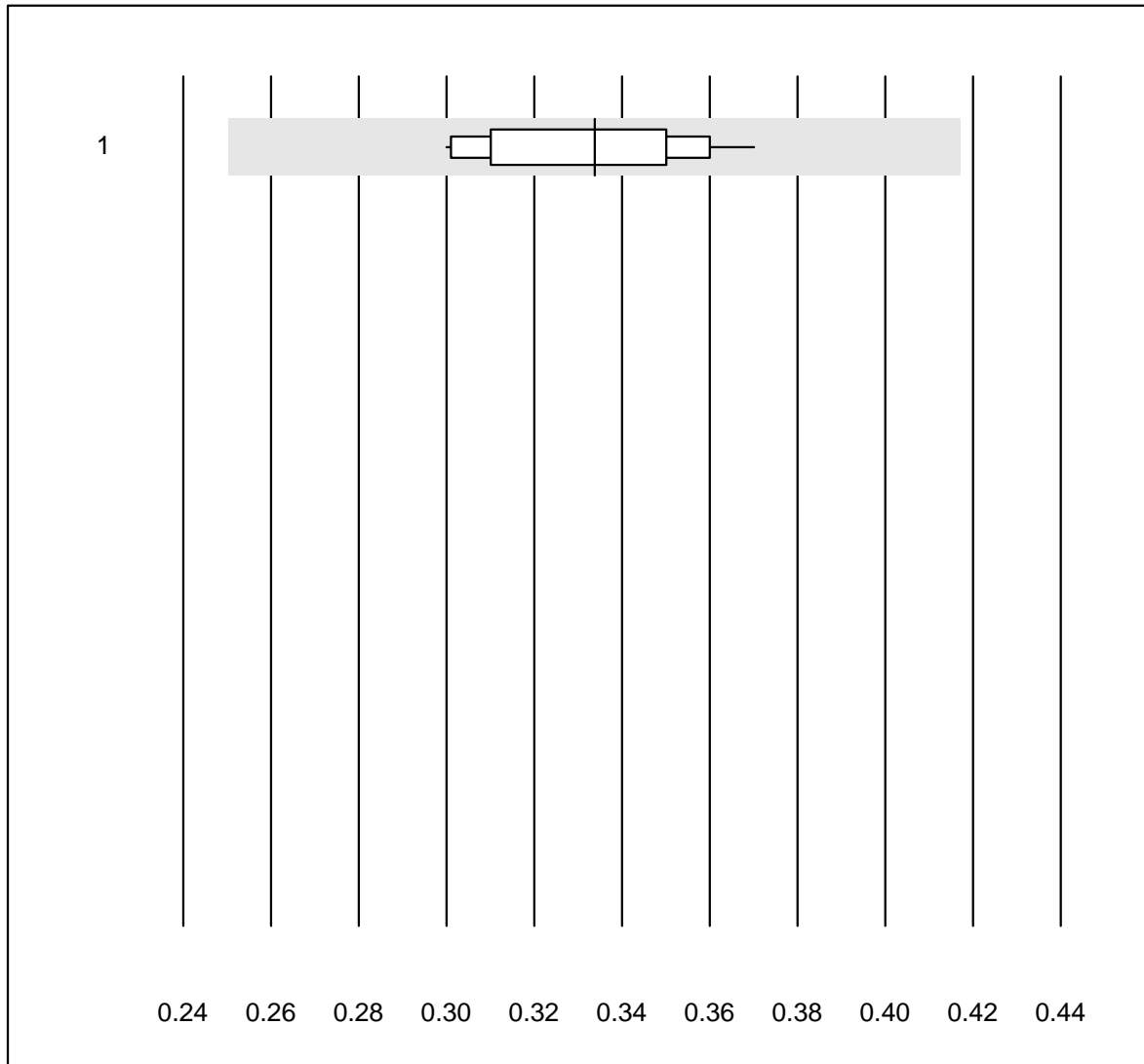


QUALAB tolerance : 25 %

Complement C3 (g/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Type
1	all Participants	13	92.3	0.0	7.7	1.63	3.6	e

Complement C4

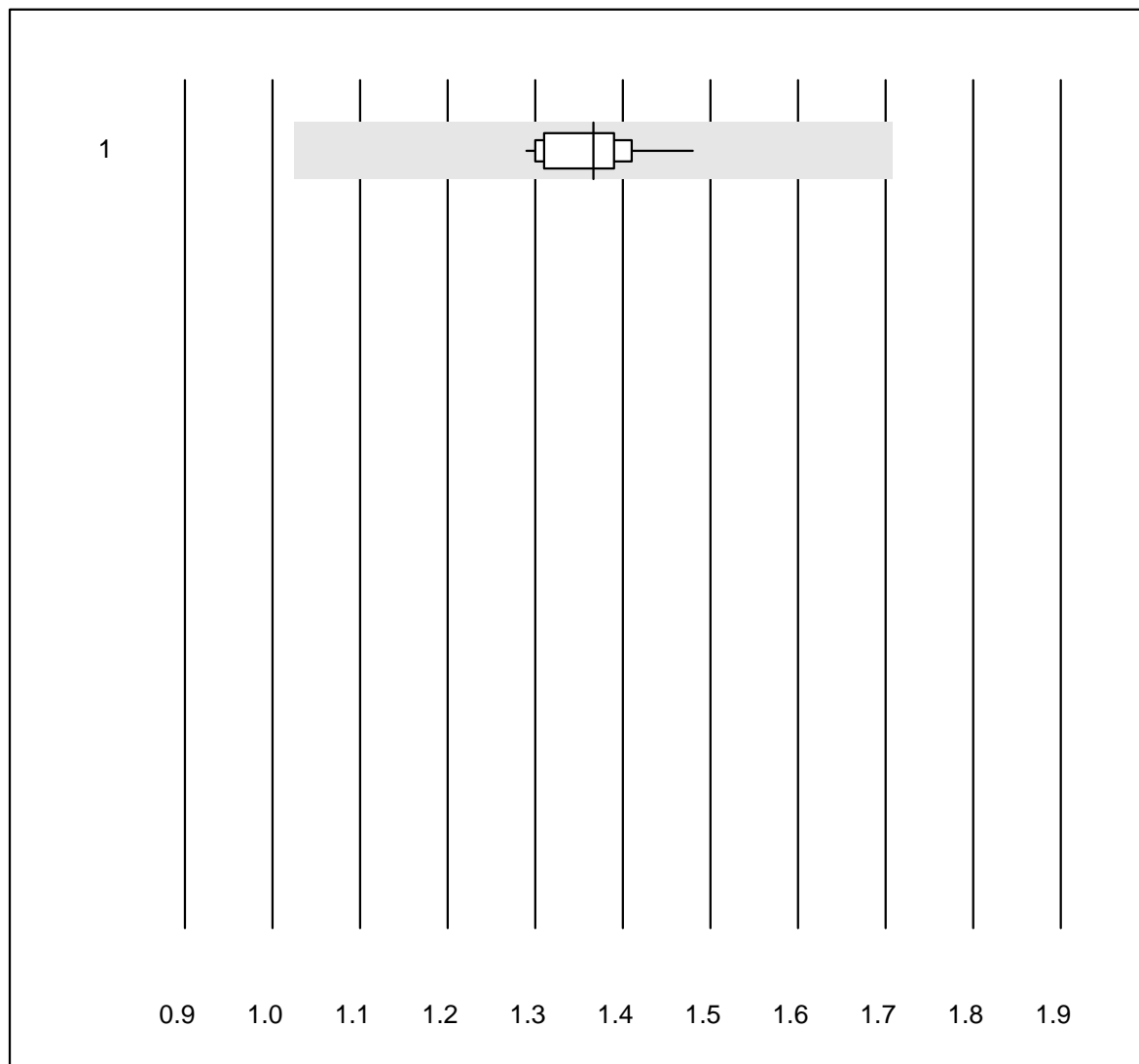


QUALAB tolerance : 25 %

Complement C4 (g/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Type
1	all Participants	12	91.7	0.0	8.3	0.33	7.2	e

Haptoglobin

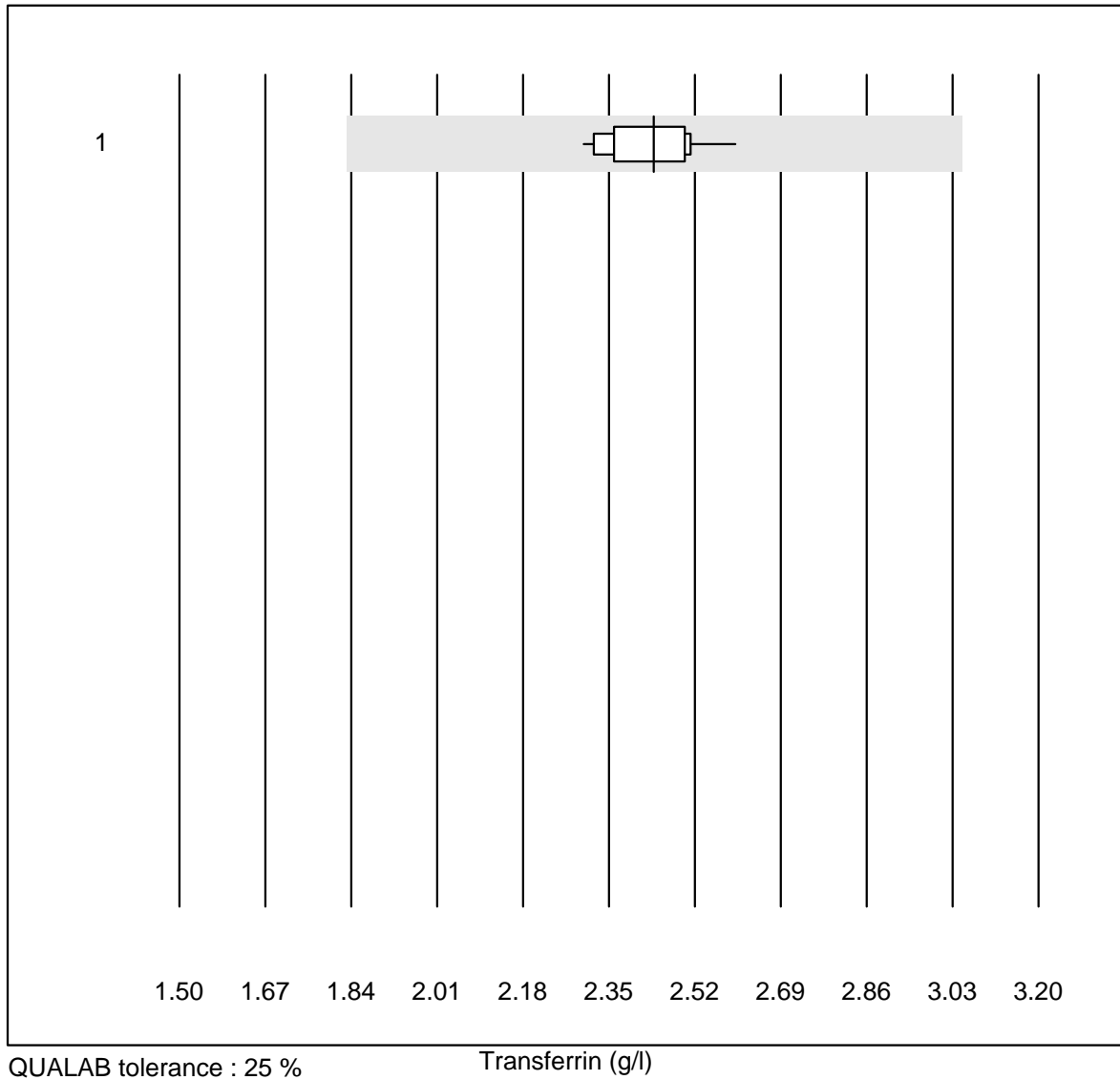


QUALAB tolerance : 25 %

Haptoglobin (g/l)

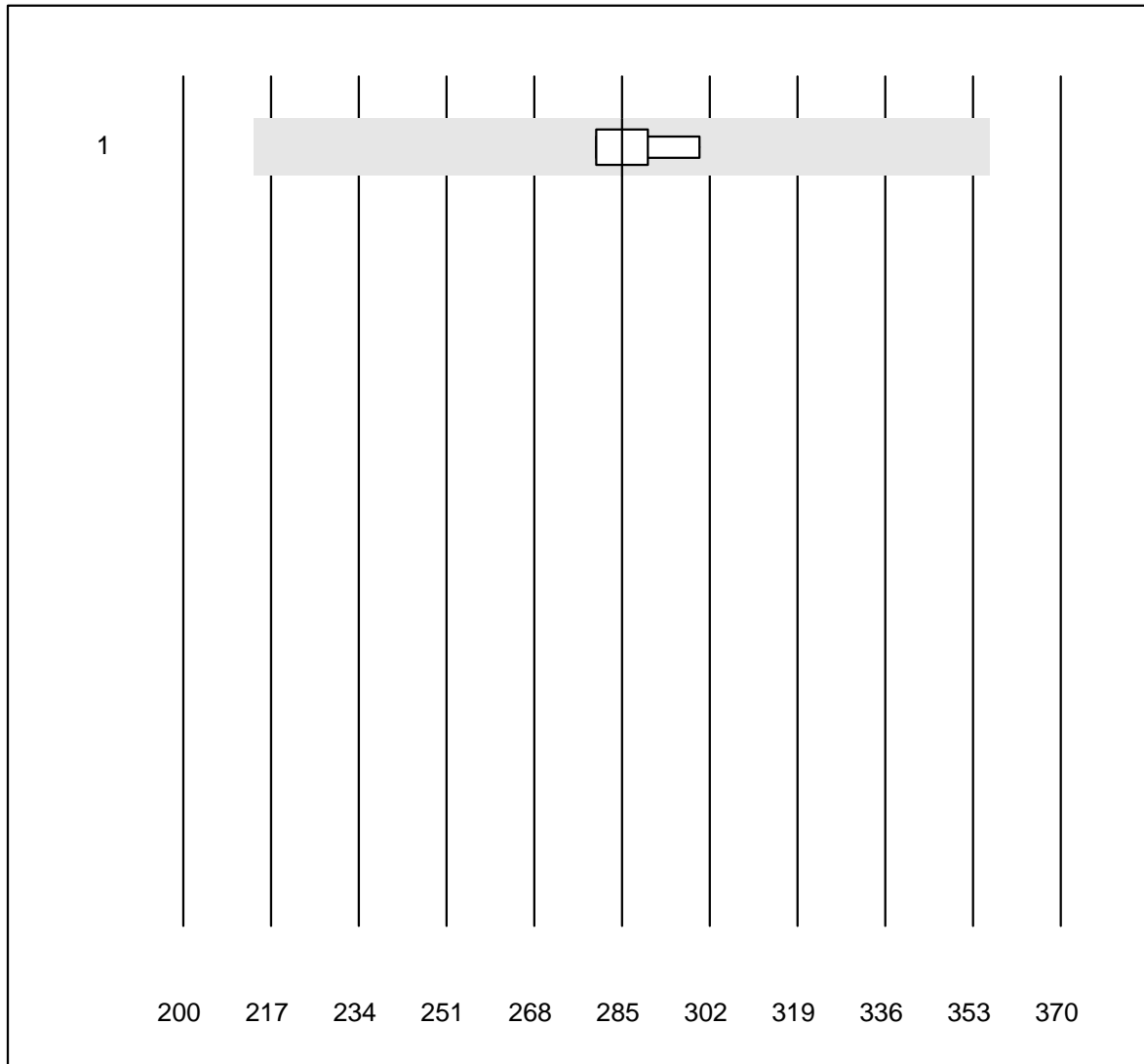
No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Type
1	all Participants	13	100.0	0.0	0.0	1.37	3.9	e

Transferrin



No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Type
1	all Participants	18	100.0	0.0	0.0	2.44	3.4	e

Ceruloplasmin

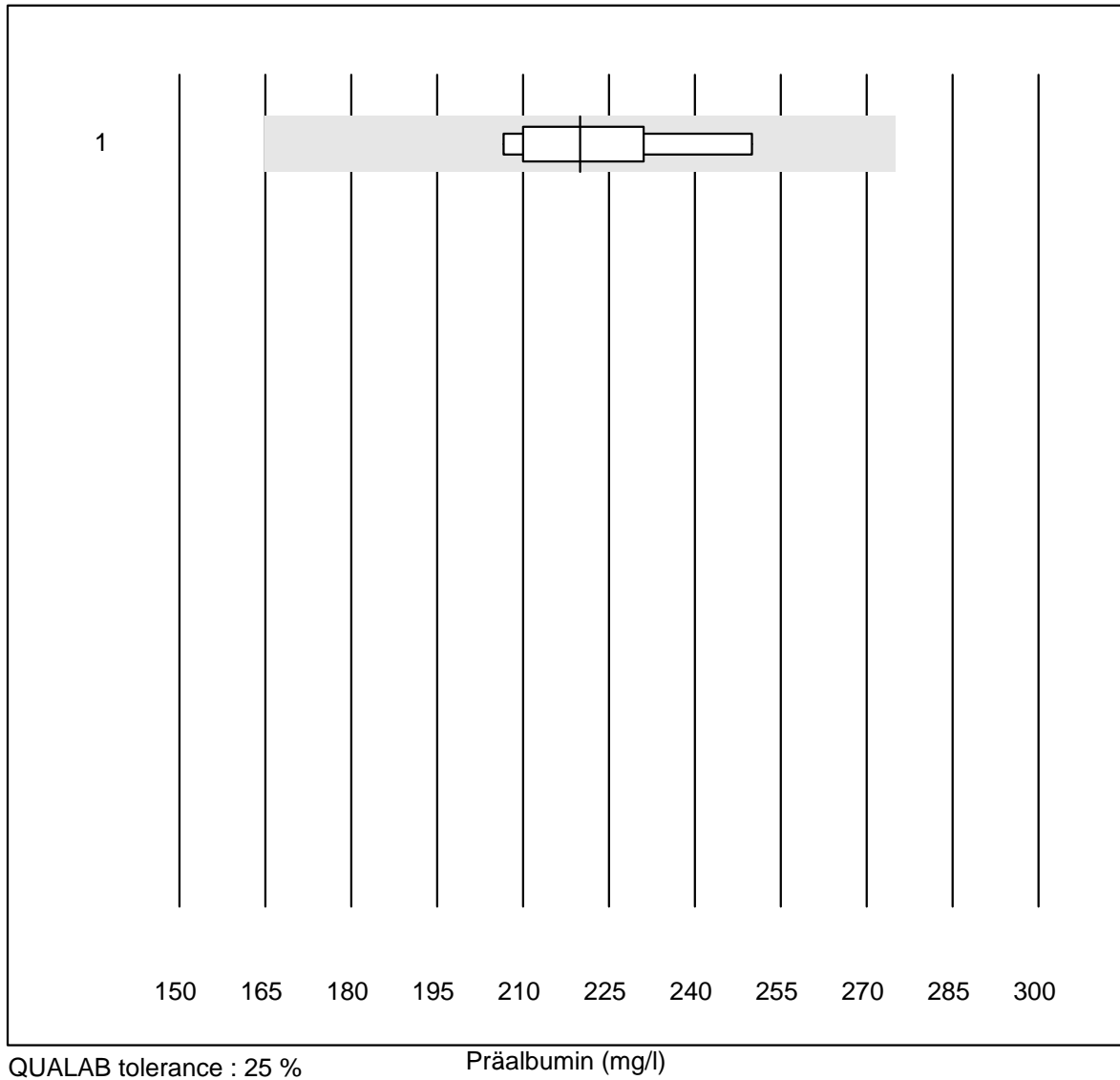


QUALAB tolerance : 25 %

Ceruloplasmin (mg/l)

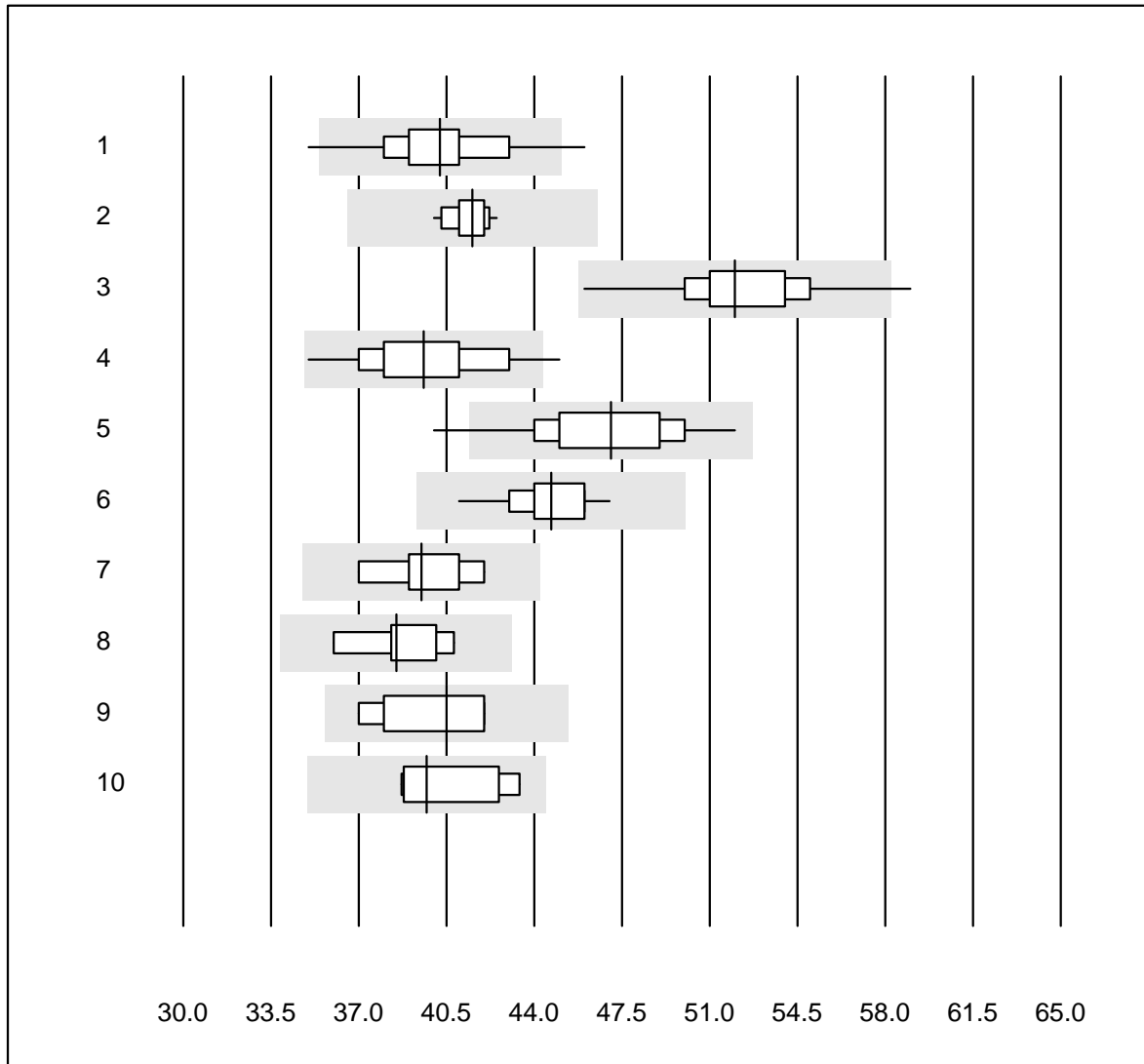
No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Type
1	all Participants	4	100.0	0.0	0.0	285.0	3.3	e

Präalbumin



No. Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1 all Participants	7	100.0	0.0	0.0	220.0	6.9	e

Albumine

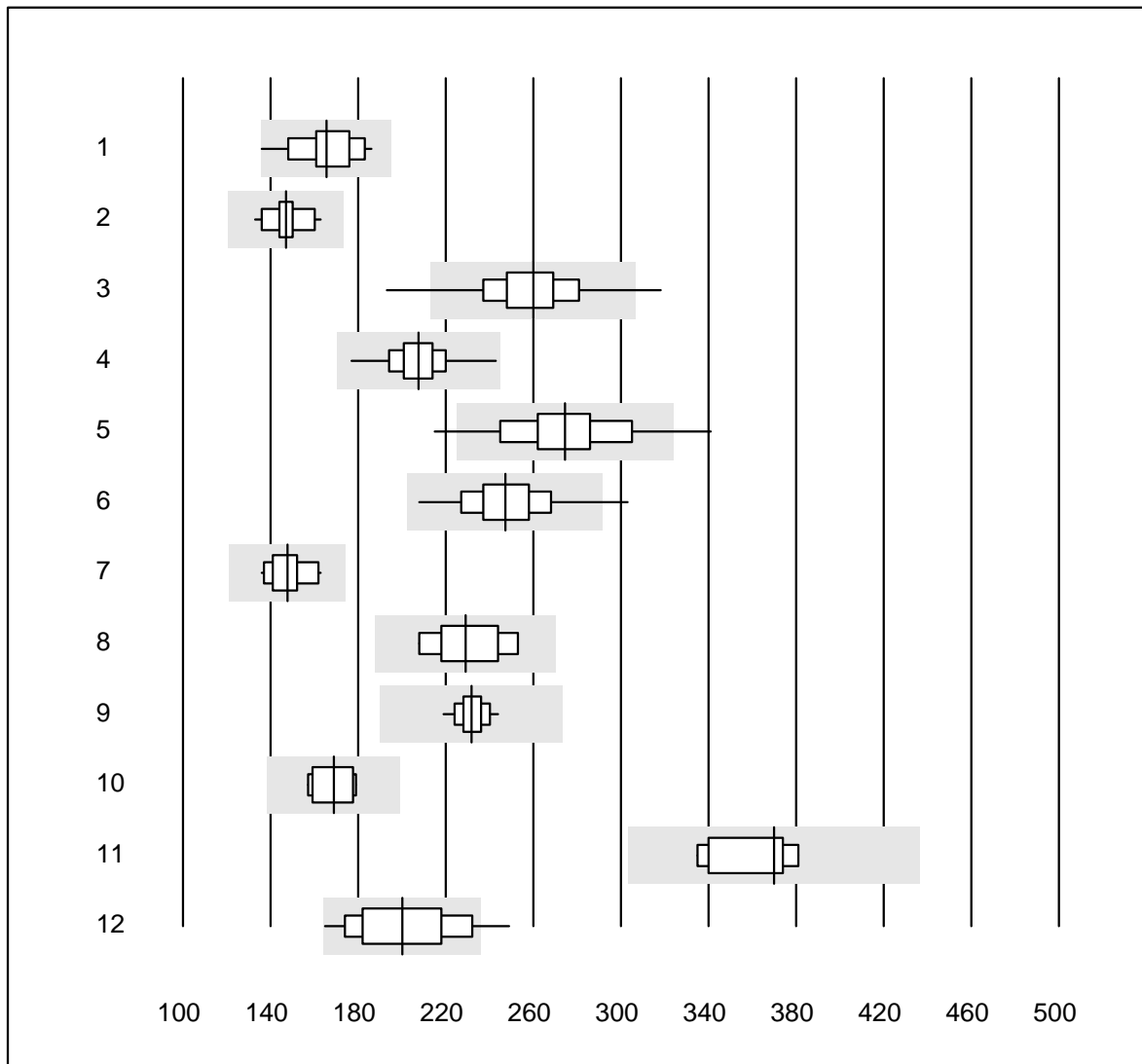


QUALAB tolerance : 12 %

Albumine (g/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Standard chemistry	20	85.0	10.0	5.0	40	5.6	e
2	Cobas	12	100.0	0.0	0.0	42	1.9	e
3	Fuji Dri-Chem	196	99.5	0.5	0.0	52	3.4	e
4	Spotchem/Ready	38	97.4	2.6	0.0	40	5.8	e
5	Spotchem D-Concept	91	96.7	3.3	0.0	47	5.5	e
6	Piccolo	37	100.0	0.0	0.0	45	3.2	e
7	Skyla	6	100.0	0.0	0.0	40	4.4	e*
8	Abx Mira	5	100.0	0.0	0.0	39	4.8	e*
9	Hitachi S40/M40	8	100.0	0.0	0.0	41	4.9	e*
10	Autolyser/DiaSys	5	100.0	0.0	0.0	40	5.4	e*

Alkaline phosphatase

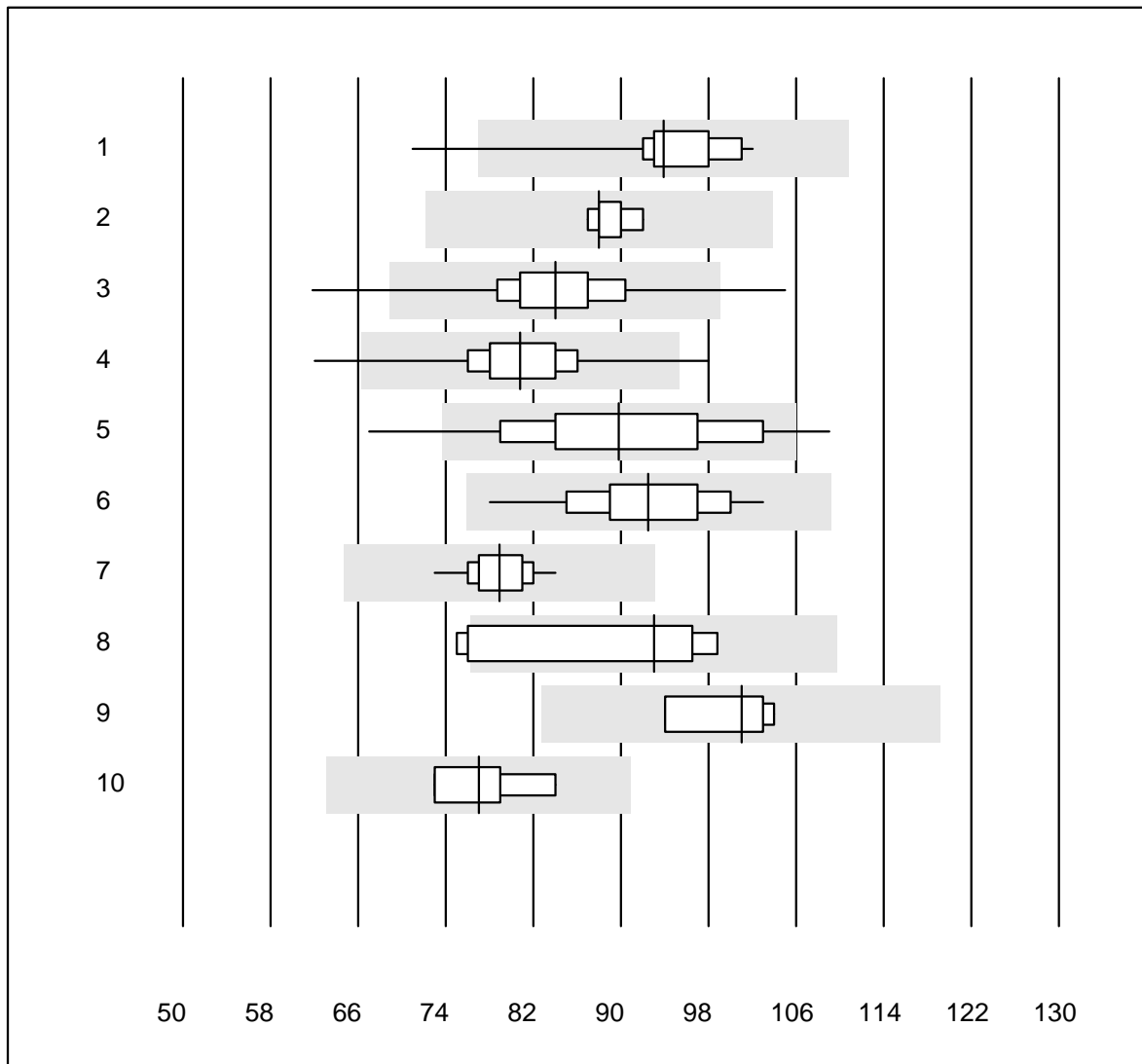


QUALAB tolerance : 18 %

Alkaline phosphatase (U/l)

No. Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1 IFCC	12	100.0	0.0	0.0	166	8.6	e*
2 Cobas	17	100.0	0.0	0.0	147	5.2	e
3 Reflotron	629	97.5	1.7	0.8	260	7.0	e
4 Fuji Dri-Chem	708	99.4	0.0	0.6	208	4.8	e
5 Spotchem/Ready	98	91.9	7.1	1.0	274	8.5	e
6 Spotchem D-Concept	164	99.4	0.6	0.0	247	6.6	e
7 Hitachi S40/M40	16	100.0	0.0	0.0	148	5.5	e
8 Beckman	9	100.0	0.0	0.0	229	7.0	e*
9 Piccolo	35	97.1	0.0	2.9	232	2.7	e
10 Abx Mira	8	87.5	0.0	12.5	169	6.0	e
11 Skyla	5	100.0	0.0	0.0	370	5.8	e*
12 Autolyser/DiaSys	14	92.9	7.1	0.0	200	12.2	e*

Amylase

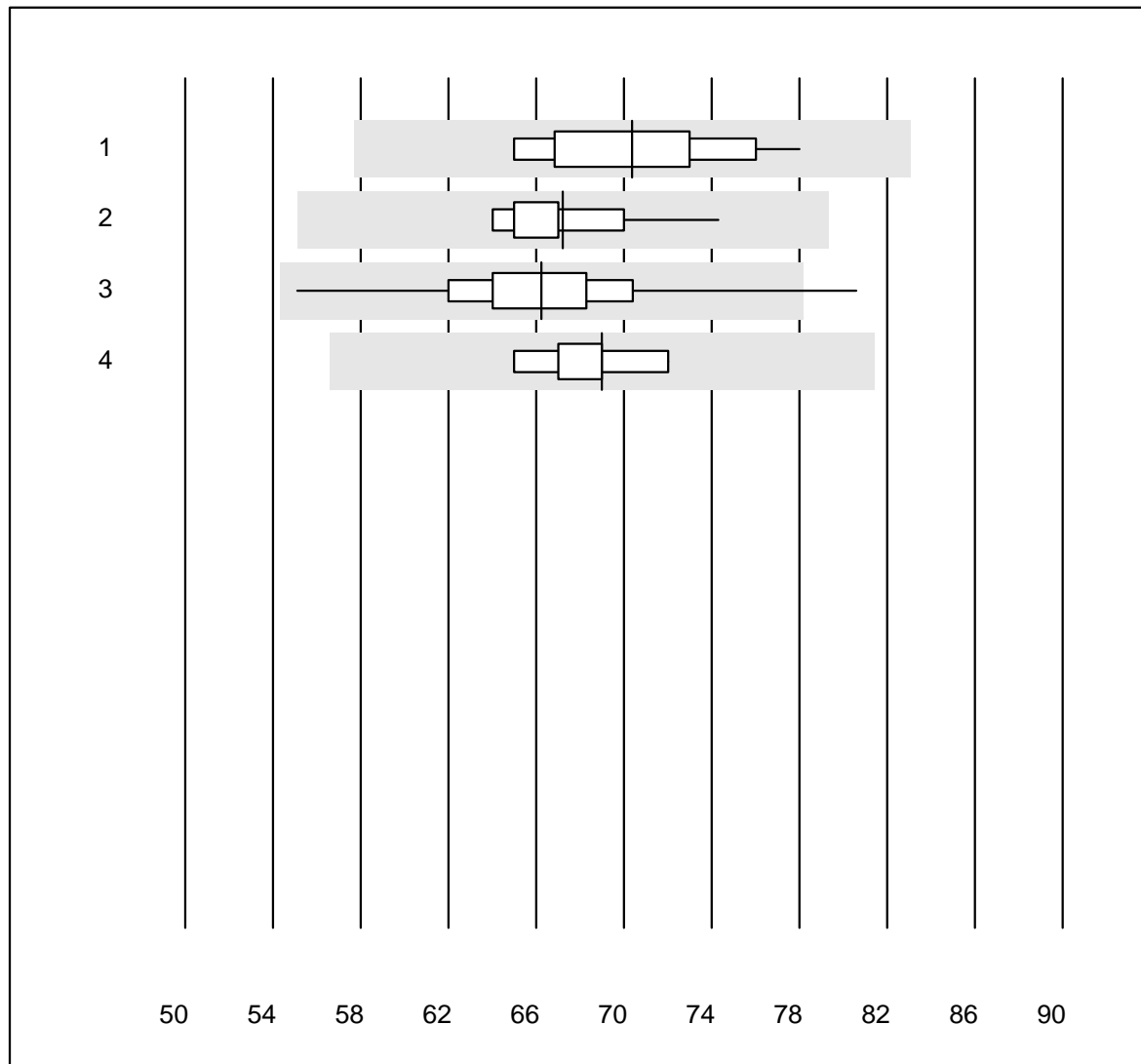


QUALAB tolerance : 18 %

Amylase (U/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	IFCC	12	91.7	8.3	0.0	94	8.4	e*
2	Cobas	5	100.0	0.0	0.0	88	2.2	e
3	Reflotron	170	95.3	2.9	1.8	84	6.5	e
4	Fuji Dri-Chem	523	98.4	0.6	1.0	81	5.0	e
5	Spotchem/Ready	64	82.8	12.5	4.7	90	11.1	e
6	Spotchem D-Concept	127	99.2	0.0	0.8	93	5.9	e
7	Piccolo	32	100.0	0.0	0.0	79	3.3	e
8	Abx Mira	5	60.0	40.0	0.0	93	13.1	e*
9	Hitachi S40/M40	9	100.0	0.0	0.0	101	4.5	e
10	Autolyser/DiaSys	4	100.0	0.0	0.0	77	6.2	e*

Pancreatic amylase

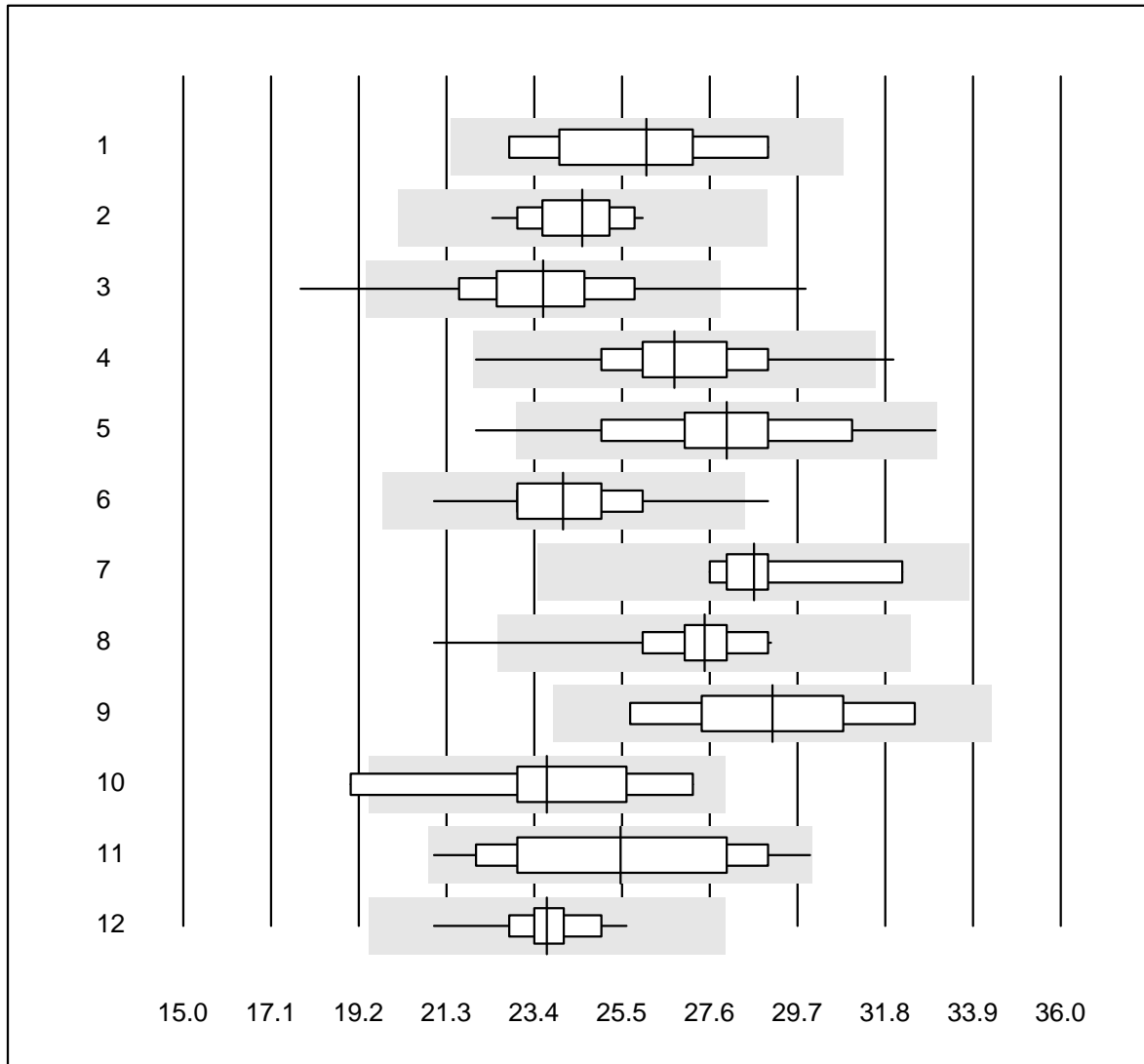


QUALAB tolerance : 18 %

Pancreatic amylase (U/l)

No. Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1 IFCC	12	100.0	0.0	0.0	70	6.4	e
2 Cobas	12	100.0	0.0	0.0	67	4.1	e
3 Reflotron	424	98.8	0.5	0.7	66	5.2	e
4 Autolyser/DiaSys	9	100.0	0.0	0.0	69	3.0	e

Bilirubin

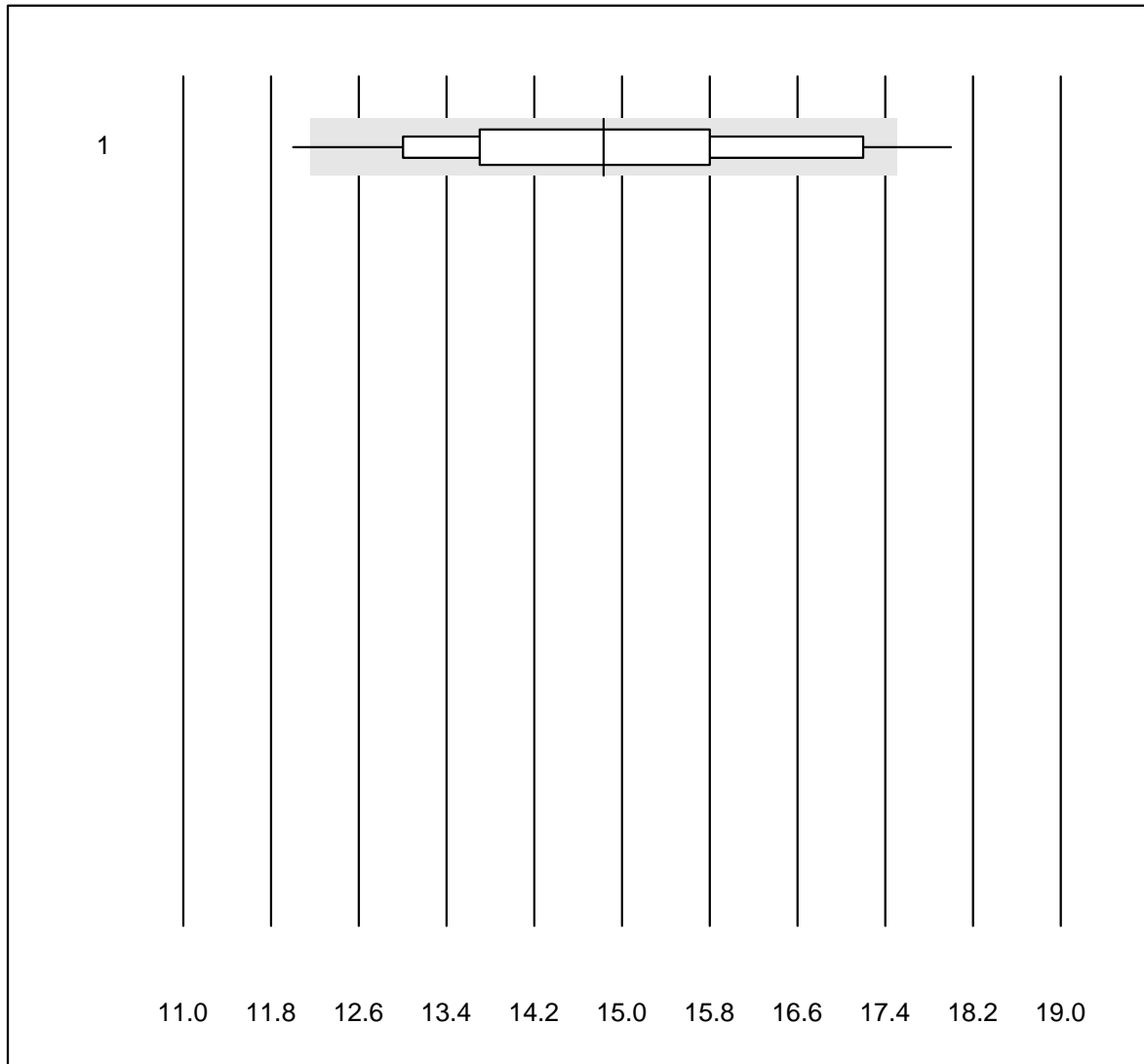


QUALAB tolerance : 18 %

Bilirubin (µmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Standard chemistry	11	90.9	0.0	9.1	26.1	8.1	e*
2	Cobas	16	100.0	0.0	0.0	24.6	4.2	e
3	Reflotron	460	93.9	3.3	2.8	23.6	7.5	e
4	Fuji Dri-Chem	546	98.2	0.2	1.6	26.8	5.6	e
5	Spotchem/Ready	82	95.2	2.4	2.4	28.0	7.9	e
6	Spotchem D-Concept	135	99.3	0.7	0.0	24.1	5.2	e
7	Beckman	8	100.0	0.0	0.0	28.7	5.0	e
8	Piccolo	36	97.2	2.8	0.0	27.5	5.9	e
9	Skyla	5	100.0	0.0	0.0	29.1	9.2	e*
10	Abx Mira	7	71.4	14.3	14.3	23.7	11.8	e*
11	Hitachi S40/M40	14	92.9	0.0	7.1	25.5	10.9	e*
12	Autolyser/DiaSys	13	100.0	0.0	0.0	23.7	4.8	e

Bilirubin direct

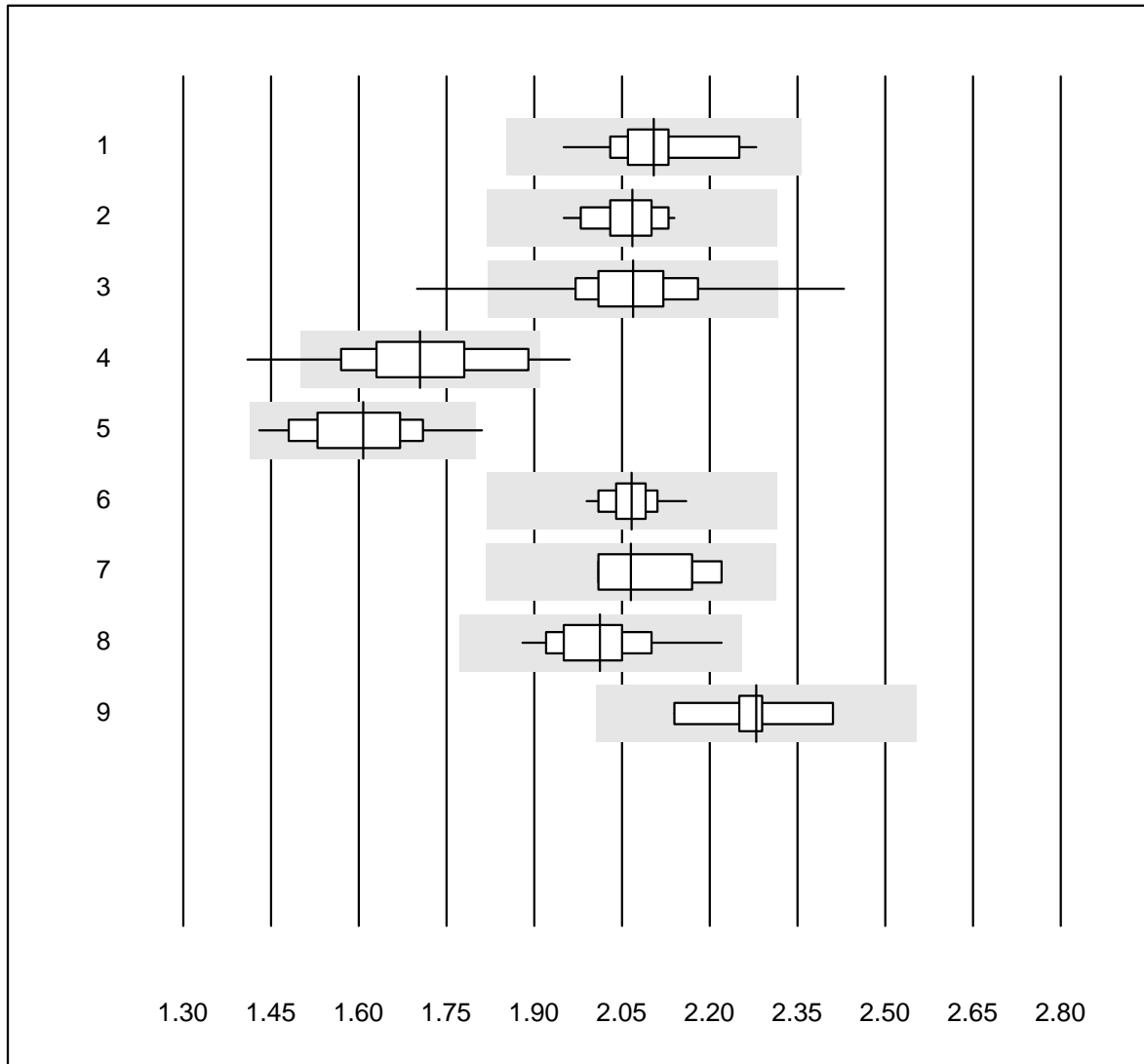


QUALAB tolerance : 18 %

Bilirubin direct (µmol/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Fuji Dri-Chem	32	81.2	6.3	12.5	14.8	10.4	e

Calcium

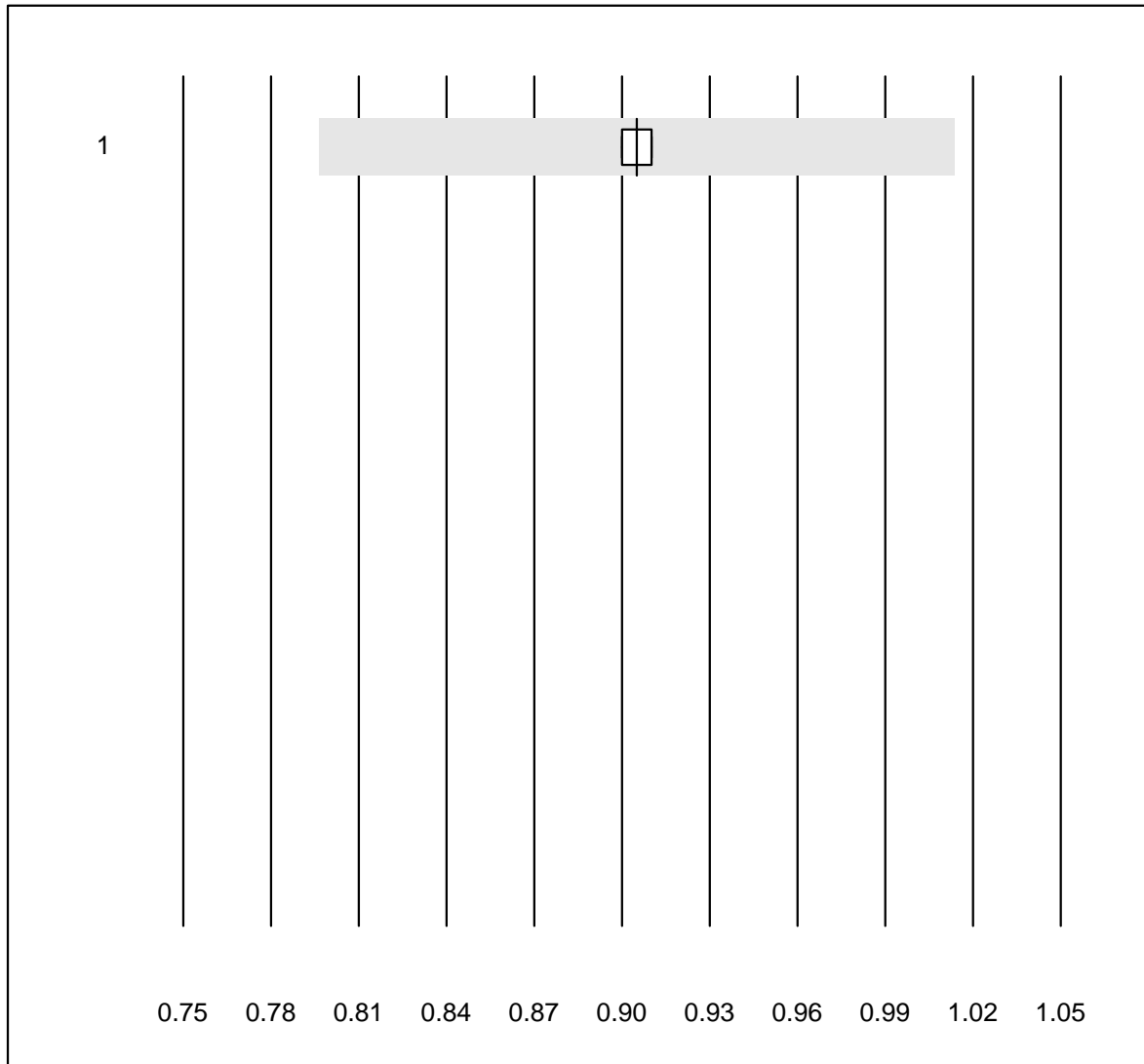


QUALAB tolerance : 12 %

Calcium (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Standard chemistry	24	95.8	0.0	4.2	2.10	3.8	e
2	Cobas	12	100.0	0.0	0.0	2.07	2.8	e
3	Fuji Dri-Chem	357	96.3	2.0	1.7	2.07	4.4	e
4	Spotchem/Ready	36	83.3	13.9	2.8	1.71	7.5	e
5	Spotchem D-Concept	74	93.2	1.4	5.4	1.61	5.6	e
6	Piccolo	35	100.0	0.0	0.0	2.07	2.0	e
7	Abx Mira	6	83.3	0.0	16.7	2.07	4.5	e*
8	Hitachi S40/M40	12	100.0	0.0	0.0	2.01	4.5	e
9	Autolyser/DiaSys	6	100.0	0.0	0.0	2.28	3.8	e*

Calcium ISE

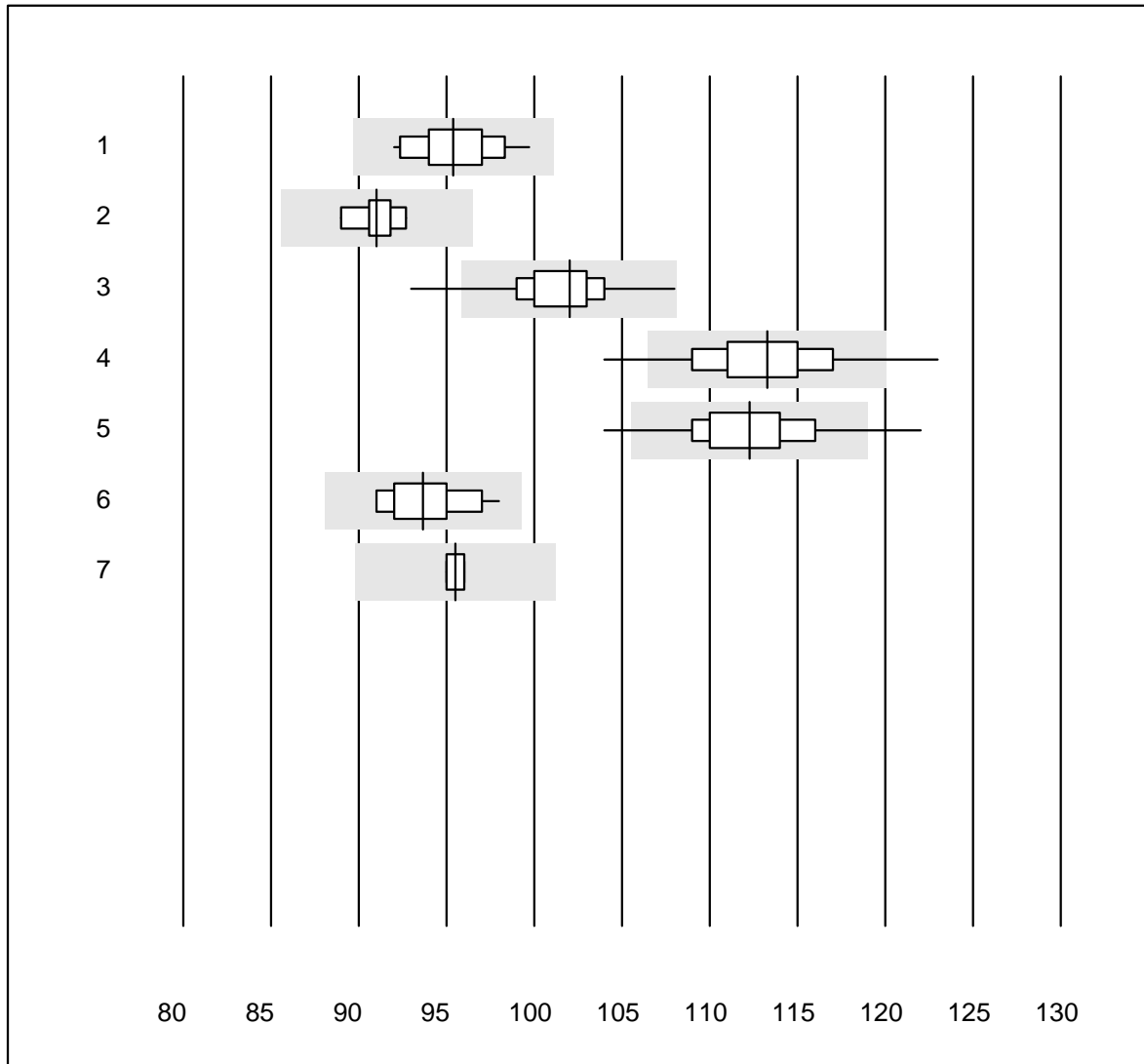


QUALAB tolerance : 12 %

Calcium ISE (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Type
1	iStat Chem8	4	100.0	0.0	0.0	0.91	0.6	e

Chloride

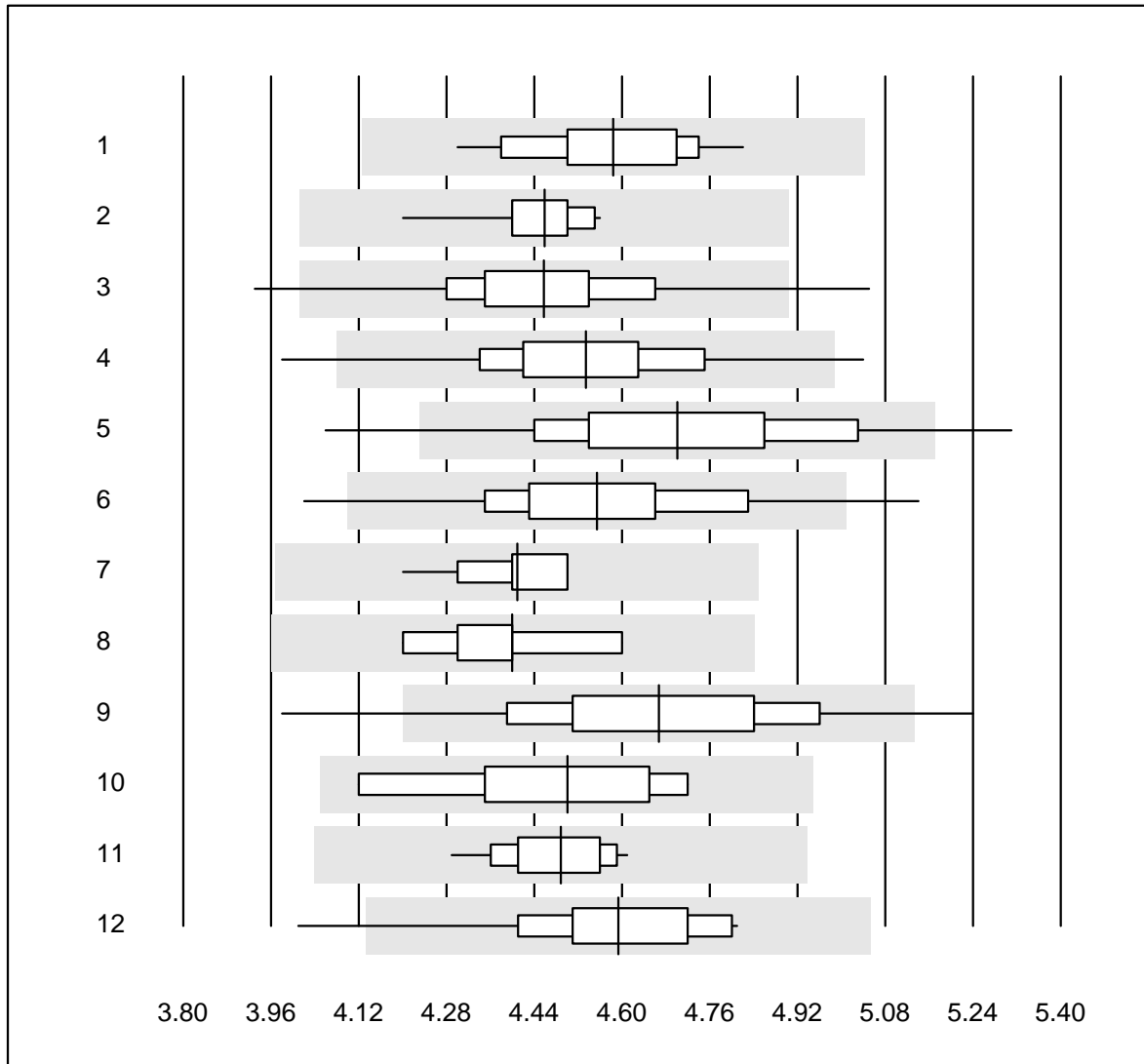


QUALAB tolerance : 6 %

Chloride (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	ISE	18	94.4	0.0	5.6	95	2.3	e
2	Cobas	7	100.0	0.0	0.0	91	1.3	e
3	Fuji Dri-Chem	653	96.4	2.5	1.1	102	2.2	e
4	Spotchem D-Concept	153	94.1	3.3	2.6	113	2.7	e
5	Spotchem EL-SE 1520	111	91.9	5.4	2.7	112	2.8	e
6	Piccolo	18	100.0	0.0	0.0	94	2.3	e
7	iStat Chem8	4	100.0	0.0	0.0	96	0.6	e

Cholesterol total

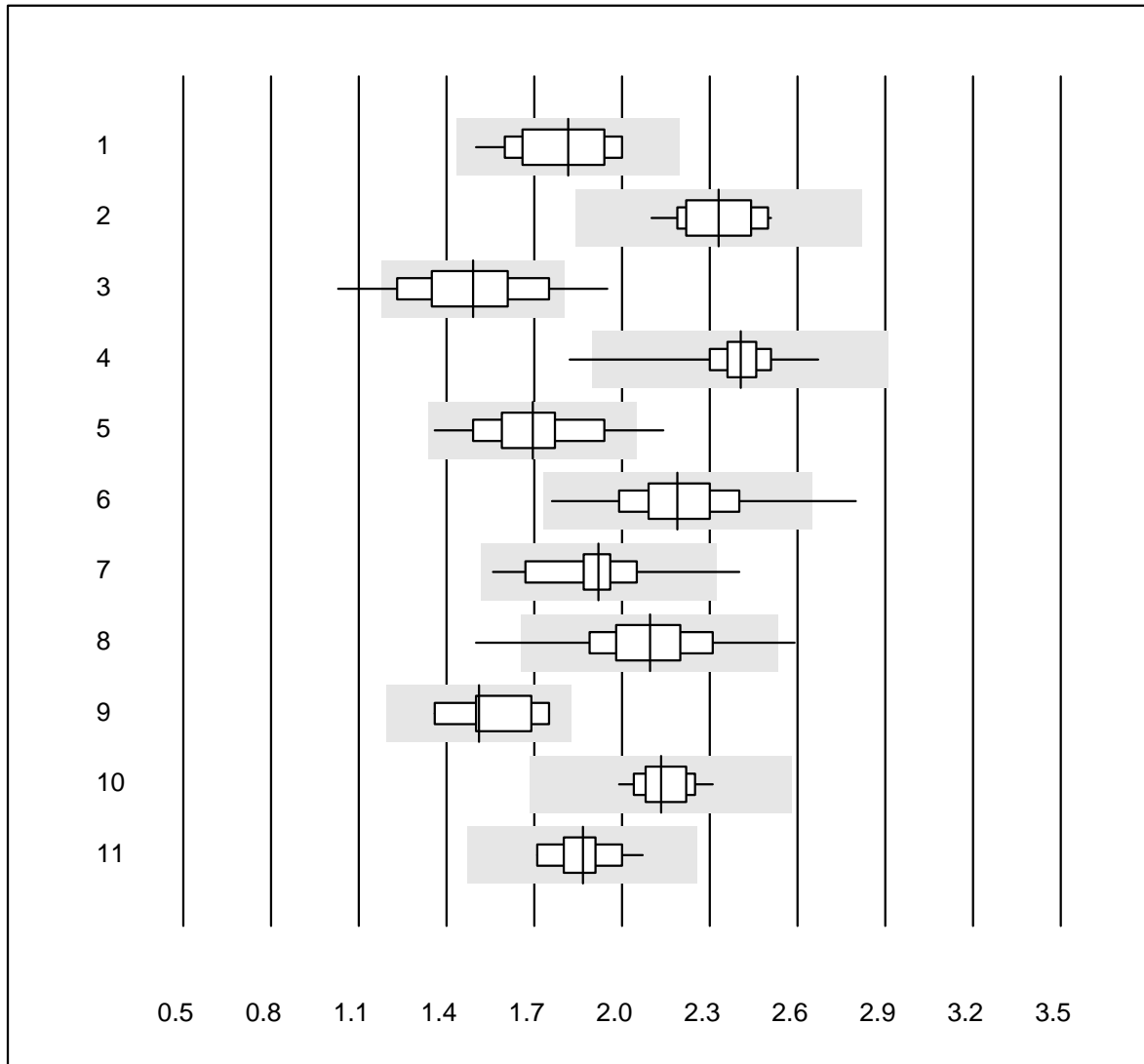


QUALAB tolerance : 10 %

Cholesterol total (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Standard chemistry	20	100.0	0.0	0.0	4.58	3.2	e
2	Cobas	15	100.0	0.0	0.0	4.46	2.0	e
3	Reflotron	683	97.4	1.6	1.0	4.46	3.5	e
4	Fuji Dri-Chem	722	98.3	0.7	1.0	4.53	3.5	e
5	Spotchem/Ready	125	92.8	5.6	1.6	4.70	5.1	e
6	Spotchem D-Concept	170	95.3	2.9	1.8	4.55	4.1	e
7	Piccolo	21	100.0	0.0	0.0	4.41	1.7	e
8	Skyla	5	100.0	0.0	0.0	4.40	3.4	e*
9	Cholestech LDX	182	93.5	4.9	1.6	4.67	5.1	e
10	Abx Mira	9	88.9	0.0	11.1	4.50	4.4	e*
11	Hitachi S40/M40	16	100.0	0.0	0.0	4.49	2.0	e
12	Autolyser/DiaSys	13	92.3	7.7	0.0	4.59	4.8	e*

Cholesterin HDL

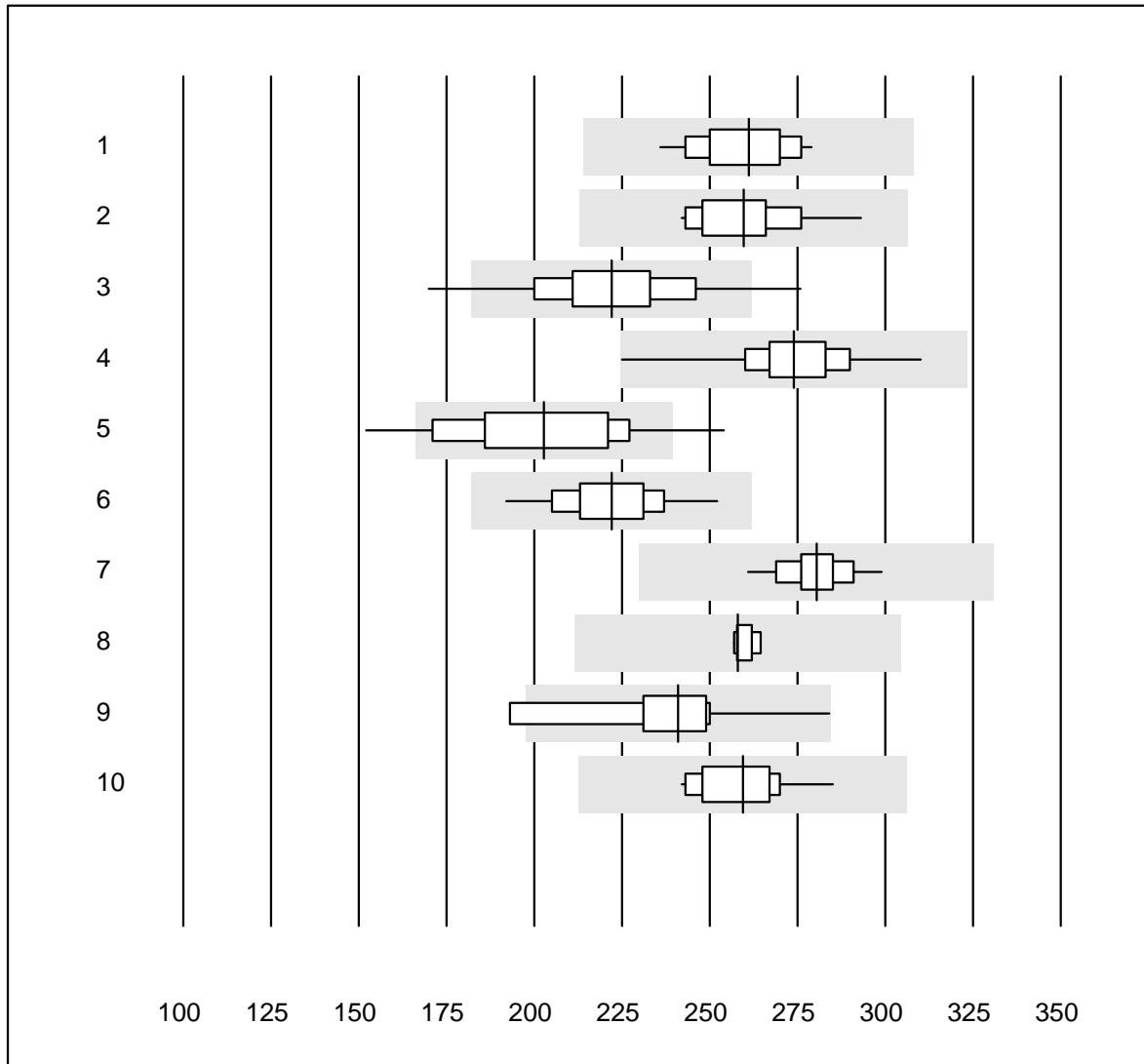


QUALAB tolerance : 21 %

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	1.82	9.0	e
2	Cobas	15	100.0	0.0	0.0	2.33	5.3	e
3	Reflotron	507	84.0	10.7	5.3	1.49	13.2	e
4	Fuji Dri-Chem	688	98.8	0.3	0.9	2.40	3.7	e
5	Spotchem/Ready	111	94.6	3.6	1.8	1.70	9.6	e
6	Spotchem D-Concept	168	98.8	1.2	0.0	2.19	7.9	e
7	Piccolo	21	90.4	4.8	4.8	1.92	9.1	e
8	Cholestech LDX	182	96.2	2.2	1.6	2.09	8.1	e
9	Abx Mira	7	71.4	0.0	28.6	1.51	10.1	e*
10	Hitachi S40/M40	15	100.0	0.0	0.0	2.13	4.1	e
11	Autolyser/DiaSys	13	100.0	0.0	0.0	1.87	5.8	e

Creatine kinase

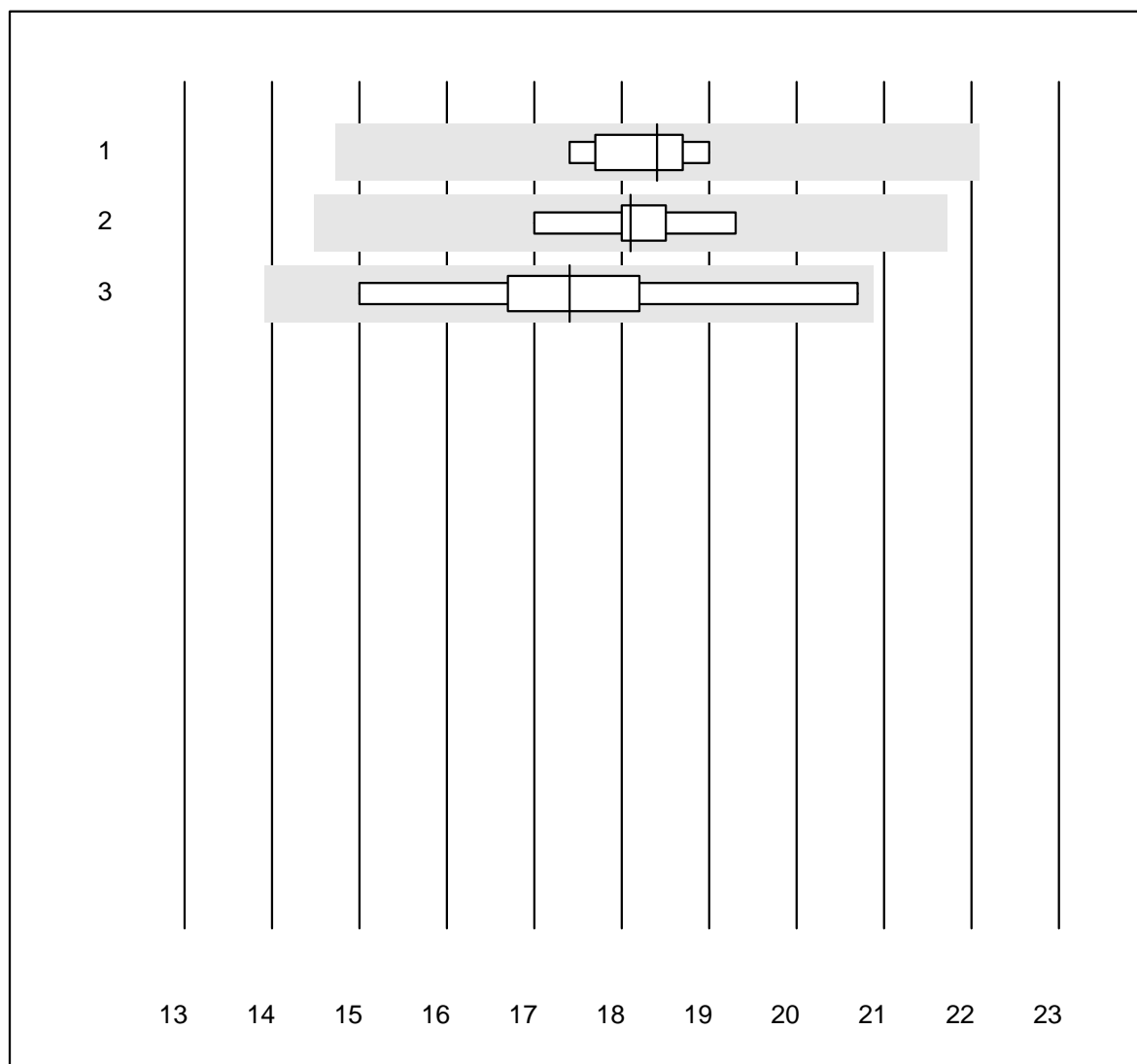


QUALAB tolerance : 18 %

Creatine kinase (U/l)

No. Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1 IFCC	20	100.0	0.0	0.0	261	4.6	e
2 Cobas	15	100.0	0.0	0.0	260	5.4	e
3 Reflotron	385	93.8	3.1	3.1	222	8.2	e
4 Fuji Dri-Chem	457	98.0	0.0	2.0	274	4.6	e
5 Spotchem/Ready	51	90.2	7.8	2.0	203	11.3	e
6 Spotchem D-Concept	109	100.0	0.0	0.0	222	5.8	e
7 Piccolo	15	100.0	0.0	0.0	280	3.2	e
8 Abx Mira	6	83.3	0.0	16.7	258	1.2	e
9 Hitachi S40/M40	10	90.0	10.0	0.0	241	9.5	e*
10 Autolyser/DiaSys	12	91.7	0.0	8.3	259	5.0	e

Iron

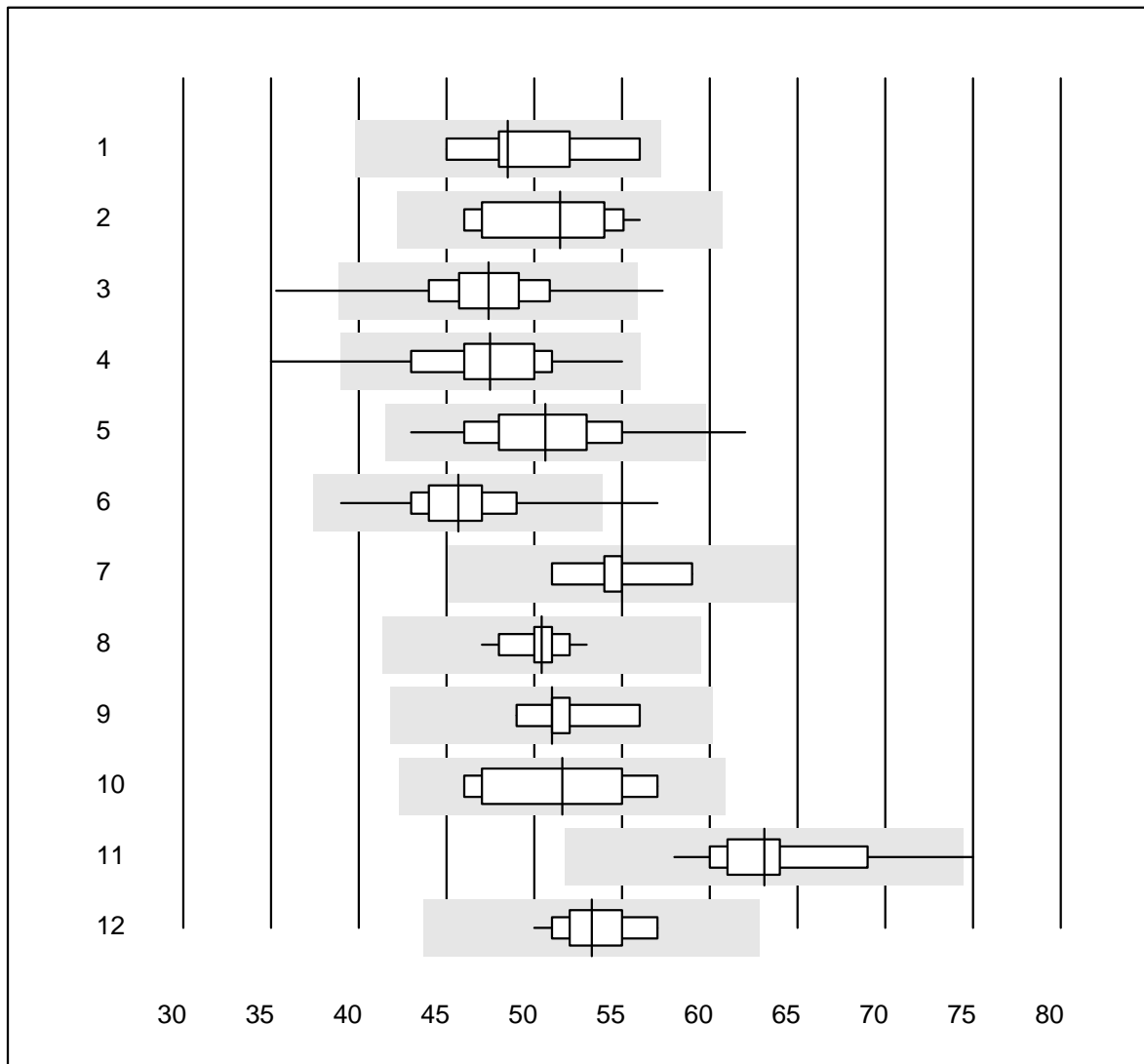


QUALAB tolerance : 20 %

Iron (µmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Standard chemistry	8	100.0	0.0	0.0	18	3.2	e
2	Cobas	9	100.0	0.0	0.0	18	4.0	e
3	Abx Mira	5	100.0	0.0	0.0	17	11.9	e*

Gamma-glutamyltransferase

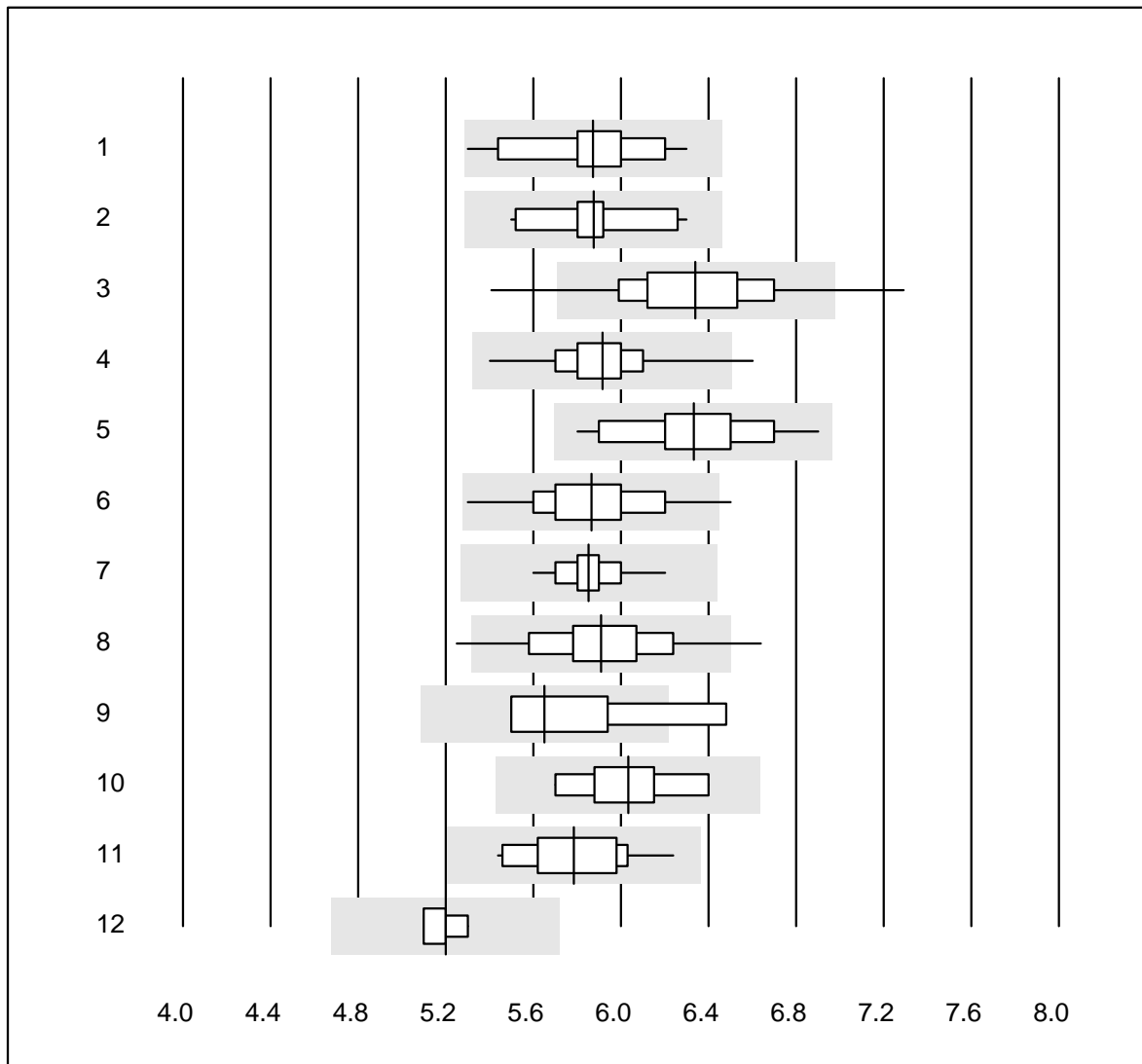


QUALAB tolerance : 18 %

Gamma-glutamyltransferase (U/l)

No. Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1 IFCC	6	100.0	0.0	0.0	49	7.7	e*
2 Cobas	16	100.0	0.0	0.0	51	6.9	e
3 Reflotron	827	98.3	0.6	1.1	47	5.8	e
4 Fuji Dri-Chem	778	99.1	0.4	0.5	47	6.5	e
5 Spotchem/Ready	127	96.8	1.6	1.6	51	6.8	e
6 Spotchem D-Concept	186	98.4	1.1	0.5	46	5.8	e
7 IFCC Beckmann	9	100.0	0.0	0.0	55	4.0	e
8 Piccolo	32	100.0	0.0	0.0	50	3.2	e
9 Skyla	5	100.0	0.0	0.0	51	5.0	e*
10 Abx Mira	9	88.9	0.0	11.1	52	8.0	e*
11 Hitachi S40/M40	19	94.7	5.3	0.0	63	6.3	e
12 Autolyser/DiaSys	14	100.0	0.0	0.0	53	4.0	e

Glucose

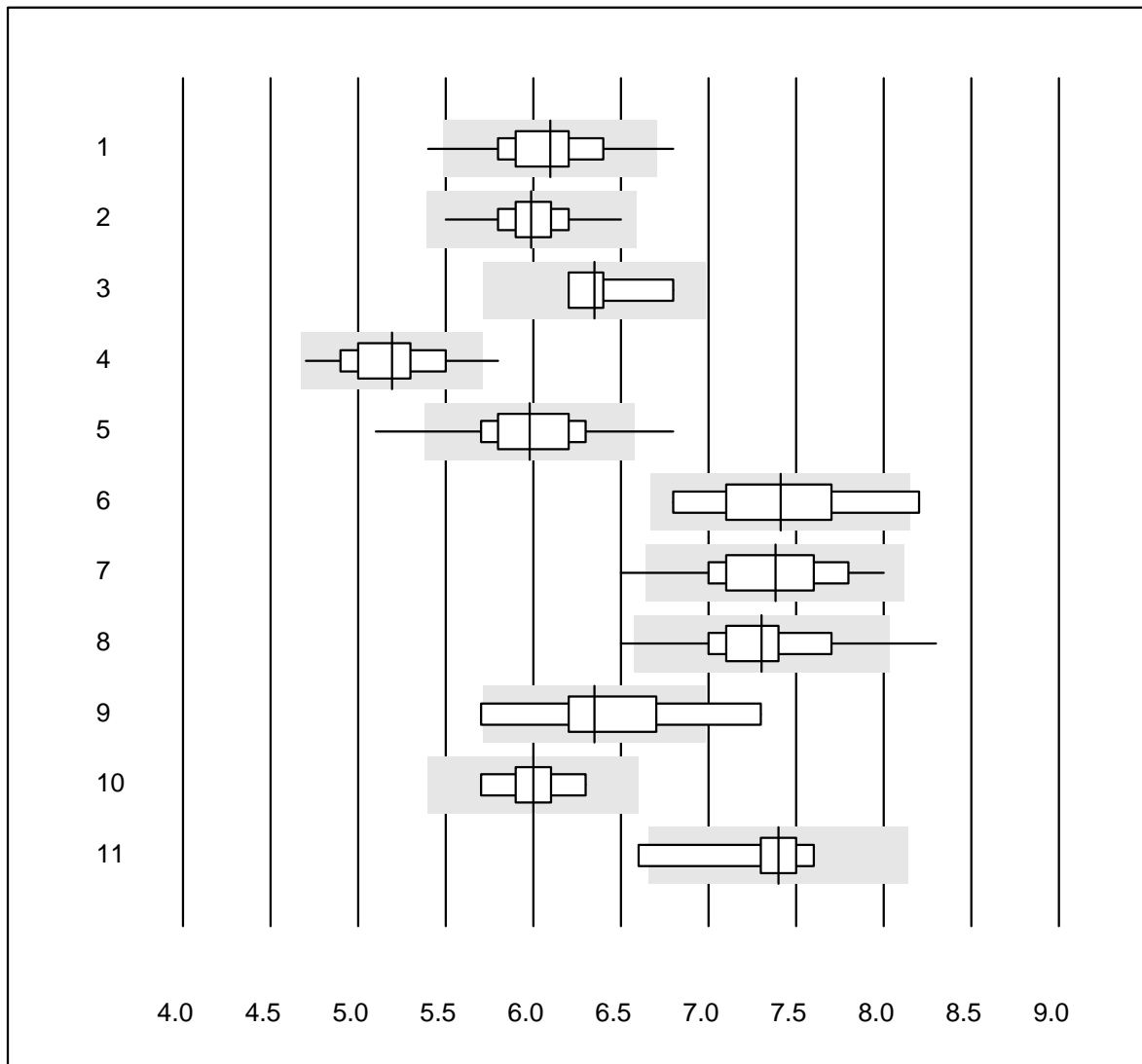


QUALAB tolerance : 10 %

Glucose (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Standard chemistry	27	100.0	0.0	0.0	5.9	4.1	e
2	Cobas	16	100.0	0.0	0.0	5.9	3.8	e
3	Reflotron	832	94.6	4.1	1.3	6.3	4.7	e
4	Fuji Dri-Chem	736	98.7	0.3	1.0	5.9	2.4	e
5	Spotchem/Ready	115	98.3	0.0	1.7	6.3	4.3	e
6	Spotchem D-Concept	174	97.7	1.7	0.6	5.9	4.1	e
7	Piccolo	41	92.7	0.0	7.3	5.9	1.8	e
8	Cholestech LDX	146	93.2	2.7	4.1	5.9	4.3	e
9	Abx Mira	9	77.8	11.1	11.1	5.7	5.8	e*
10	Hitachi S40/M40	19	100.0	0.0	0.0	6.0	3.7	e
11	Autolyser/DiaSys	14	100.0	0.0	0.0	5.8	4.0	e
12	iStat Chem8	5	100.0	0.0	0.0	5.2	1.6	e

Glucose

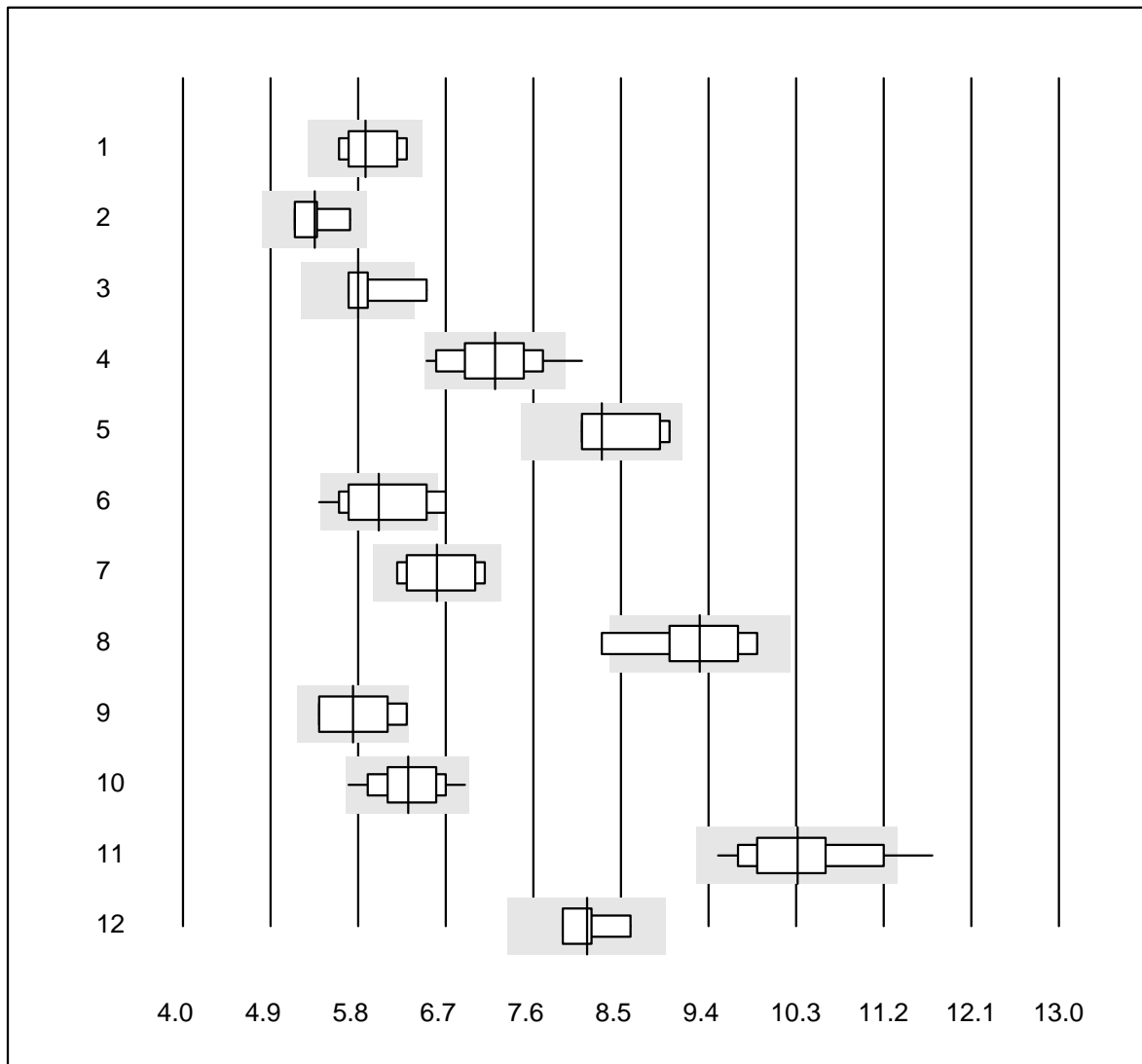


QUALAB tolerance : 10 %

Glucose (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Accu-Chek Aviva	413	96.1	1.5	2.4	6.1	3.7	e
2	Accu-Chek Inform 2	384	99.7	0.0	0.3	6.0	2.8	e
3	Accu-Chek Mobile	4	100.0	0.0	0.0	6.4	4.1	e*
4	Bayer Contour 2 (5s)	44	88.7	6.8	4.5	5.2	5.0	e
5	Contour XT/NEXT	1141	94.3	3.9	1.8	6.0	4.5	e
6	Glucocard	11	72.7	18.2	9.1	7.4	6.5	e*
7	Hemocue 201+ P-equiv	87	94.3	2.3	3.4	7.4	4.4	e
8	Hemocue 201RT P-equiv	50	90.0	6.0	4.0	7.3	4.4	e
9	FreeStyle Precision	8	62.5	37.5	0.0	6.4	7.7	e*
10	Freestyle Freedom li	9	100.0	0.0	0.0	6.0	3.5	e
11	Sanofi BG Star	6	66.6	16.7	16.7	7.4	5.6	e*

Glucose B

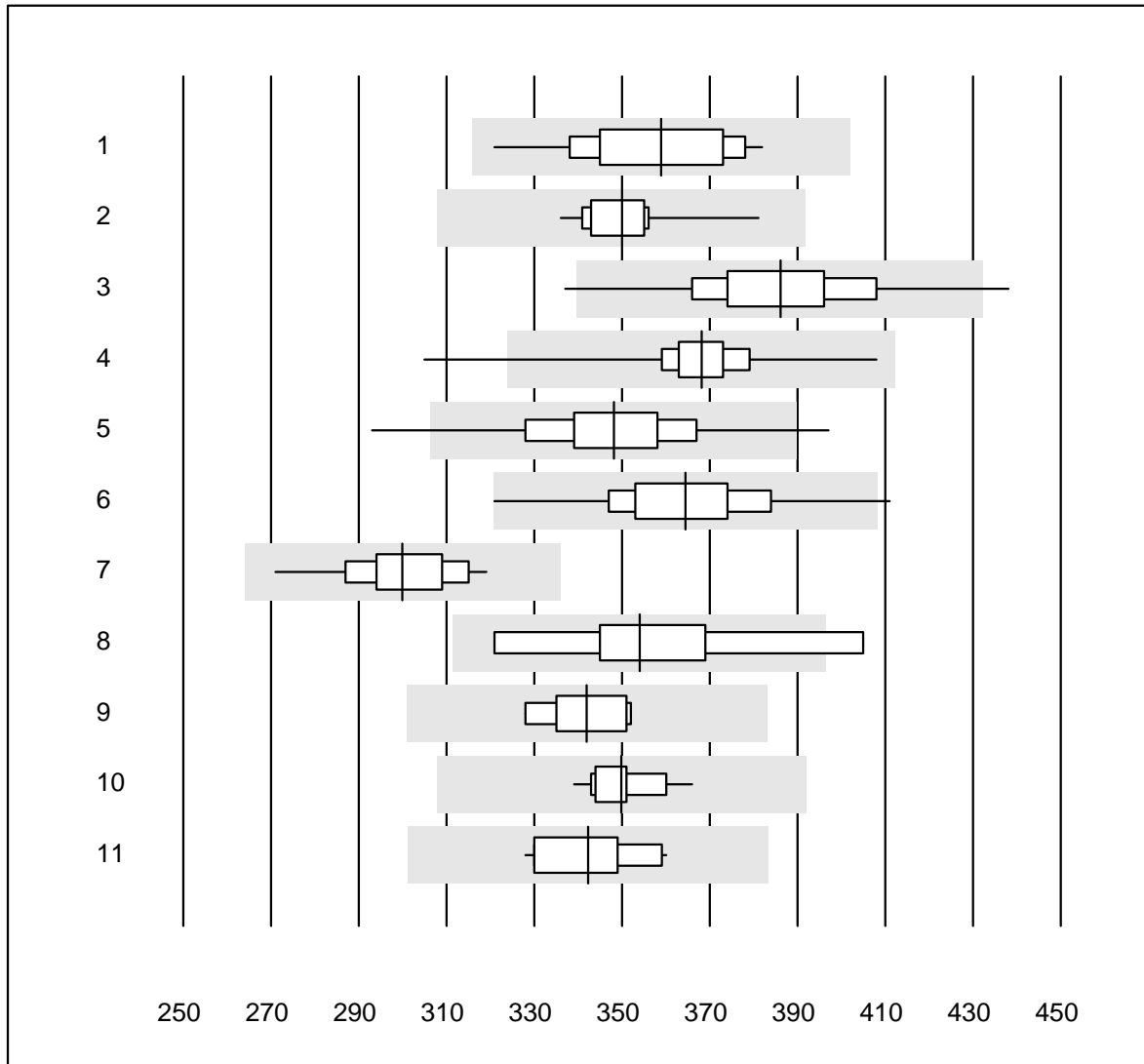


QUALAB tolerance : 10 %

Glucose B (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Skyla	6	100.0	0.0	0.0	5.9	4.8	e*
2	Lange	4	100.0	0.0	0.0	5.4	4.5	e*
3	Bayer Elite	4	75.0	25.0	0.0	5.8	6.4	e*
4	Hemocue 201+ (alt)	46	91.3	2.2	6.5	7.2	5.8	e
5	OneTouch Ultra	5	100.0	0.0	0.0	8.3	5.2	e*
6	OneTouch Verio	26	80.8	19.2	0.0	6.0	7.4	e*
7	Contour (15s)	10	100.0	0.0	0.0	6.6	5.3	e*
8	Healthpro	14	78.6	14.3	7.1	9.3	6.0	e*
9	Mylife UNIO	8	100.0	0.0	0.0	5.8	6.2	e*
10	mylife Pura	61	86.9	0.0	13.1	6.3	5.1	e
11	Omnitest	17	82.3	5.9	11.8	10.3	5.6	e*
12	Alpha Check	4	100.0	0.0	0.0	8.2	3.6	e*

Uric Acid

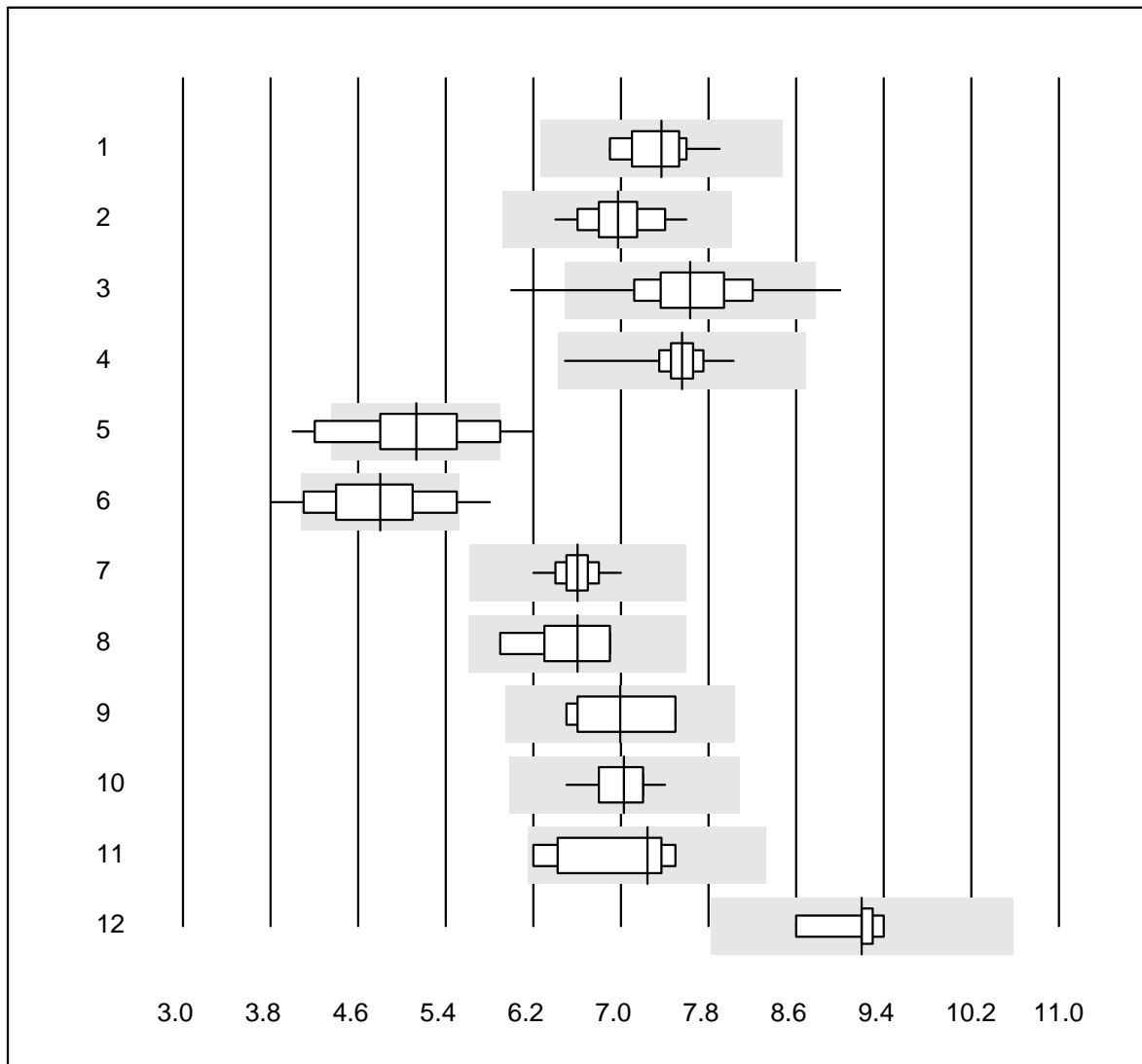


QUALAB tolerance : 12 %

Uric Acid (µmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Standard chemistry	23	100.0	0.0	0.0	359	4.5	e
2	Cobas	11	100.0	0.0	0.0	350	3.4	e
3	Reflotron	724	98.2	0.7	1.1	386	4.3	e
4	Fuji Dri-Chem	738	98.7	0.1	1.2	368	2.4	e
5	Spotchem/Ready	106	97.2	2.8	0.0	348	4.8	e
6	Spotchem D-Concept	173	98.8	0.6	0.6	364	4.2	e
7	Piccolo	27	100.0	0.0	0.0	300	3.6	e
8	Skyla	6	83.3	16.7	0.0	354	7.8	e*
9	Abx Mira	8	87.5	0.0	12.5	342	2.6	e
10	Hitachi S40/M40	17	100.0	0.0	0.0	350	2.0	e
11	Autolyser/DiaSys	13	92.3	0.0	7.7	342	3.3	e

Urea

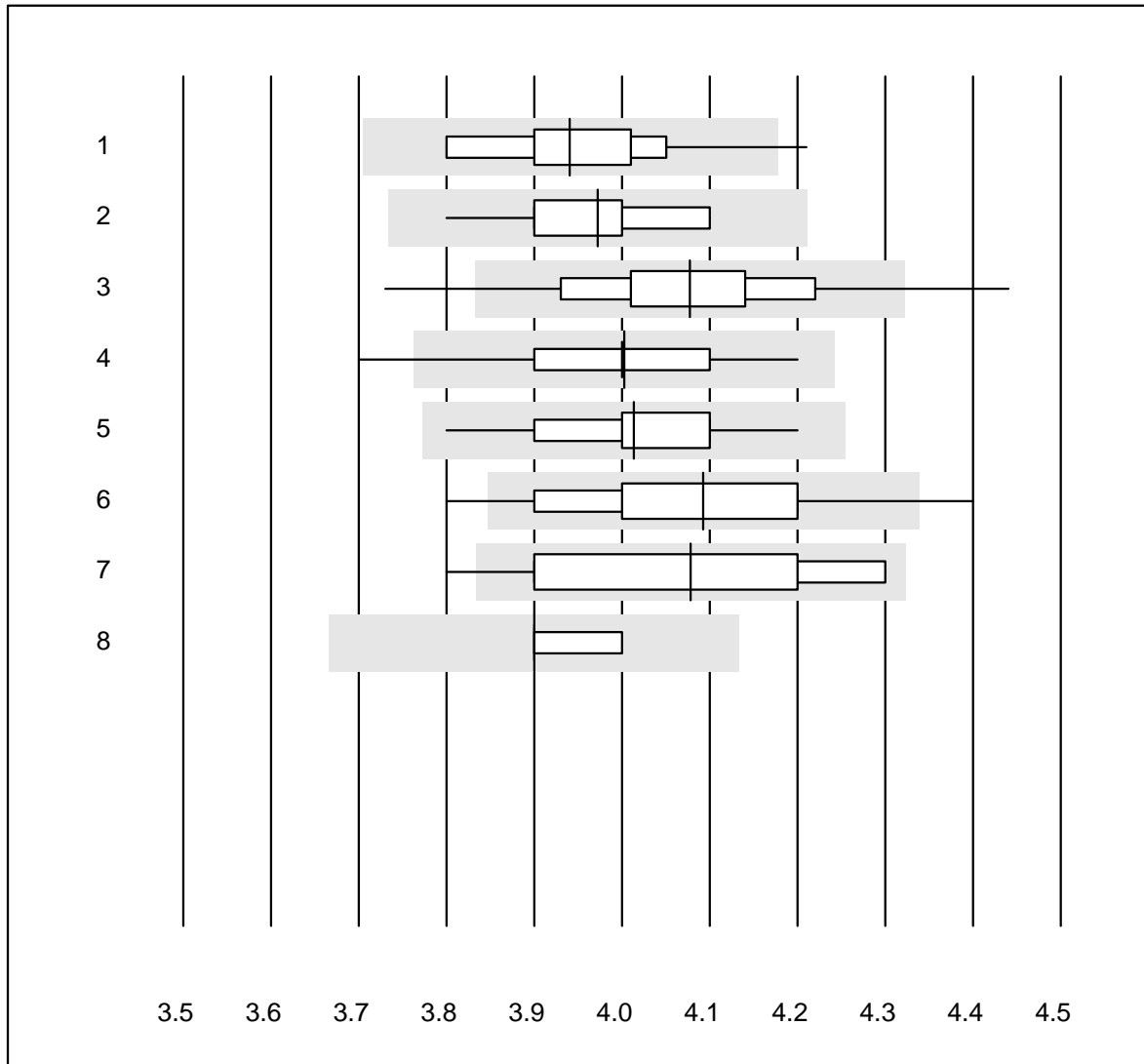


QUALAB tolerance : 15 %

Urea (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Standard chemistry	20	100.0	0.0	0.0	7.4	3.9	e
2	Cobas	15	100.0	0.0	0.0	7.0	4.3	e
3	Reflotron	327	95.5	2.1	2.4	7.6	6.0	e
4	Fuji Dri-Chem	448	99.1	0.0	0.9	7.6	2.2	e
5	Spotchem/Ready	71	62.0	22.5	15.5	5.1	11.1	e
6	Spotchem D-Concept	107	69.1	15.0	15.9	4.8	10.9	e
7	Piccolo	38	100.0	0.0	0.0	6.6	2.5	e
8	Skyla	6	100.0	0.0	0.0	6.6	5.9	e*
9	Abx Mira	6	100.0	0.0	0.0	7.0	6.1	e*
10	Hitachi S40/M40	13	92.3	0.0	7.7	7.0	3.5	e
11	Autolyser/DiaSys	7	100.0	0.0	0.0	7.2	7.7	e*
12	iStat Chem8	6	100.0	0.0	0.0	9.2	3.1	e

Potassium

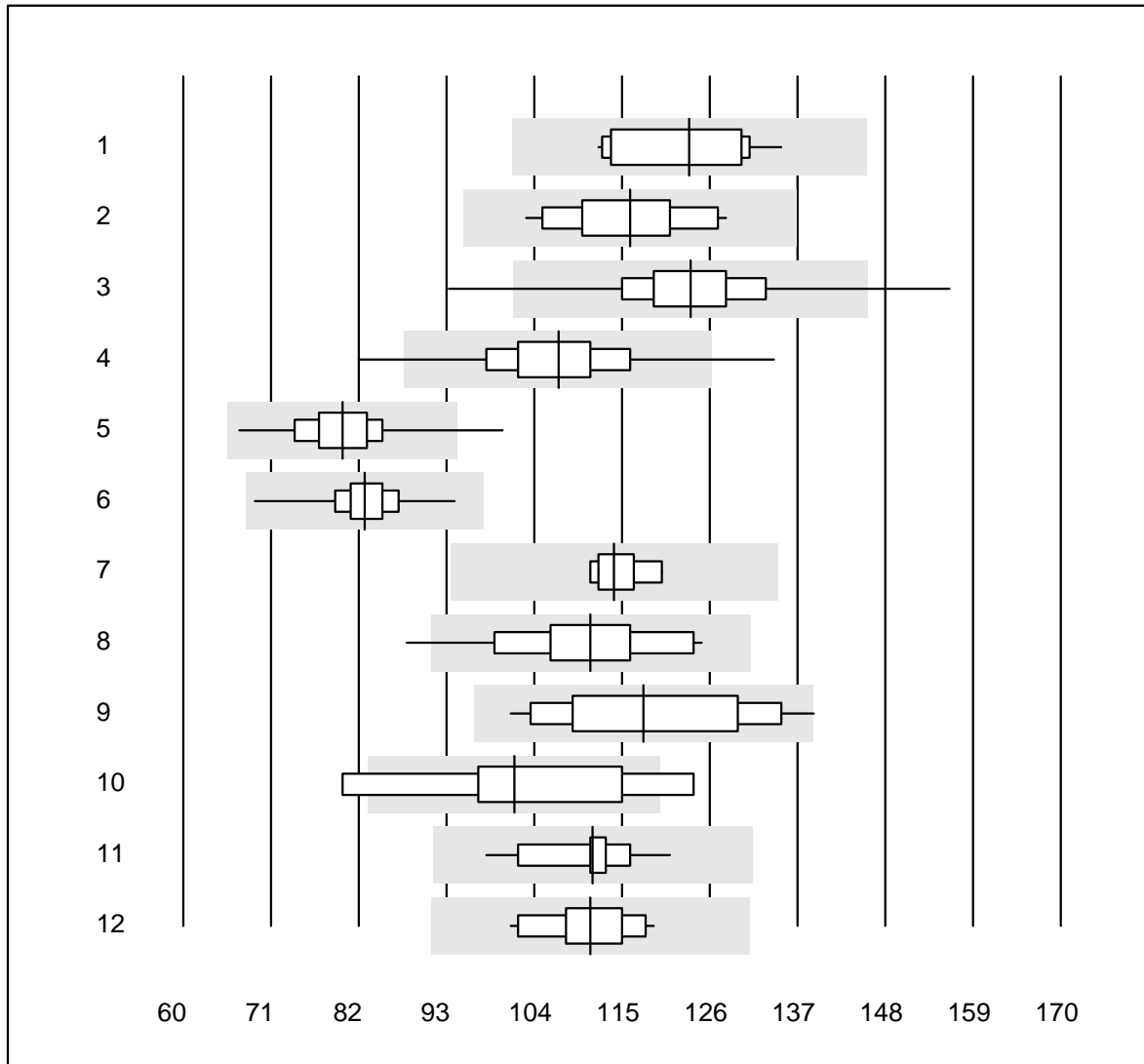


QUALAB tolerance : 6 %

Potassium (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	ISE	32	93.8	3.1	3.1	3.94	2.6	e
2	Cobas	17	100.0	0.0	0.0	3.97	2.0	e
3	Reflotron	747	92.5	5.1	2.4	4.08	2.9	e
4	Fuji Dri-Chem	776	97.6	0.9	1.5	4.00	2.0	e
5	Spotchem D-Concept	175	98.3	0.0	1.7	4.01	2.2	e
6	Spotchem EL-SE 1520	115	94.0	1.7	4.3	4.09	2.9	e
7	Piccolo	26	80.8	7.7	11.5	4.08	4.2	e*
8	iStat Chem8	6	100.0	0.0	0.0	3.90	1.0	e

Creatinine

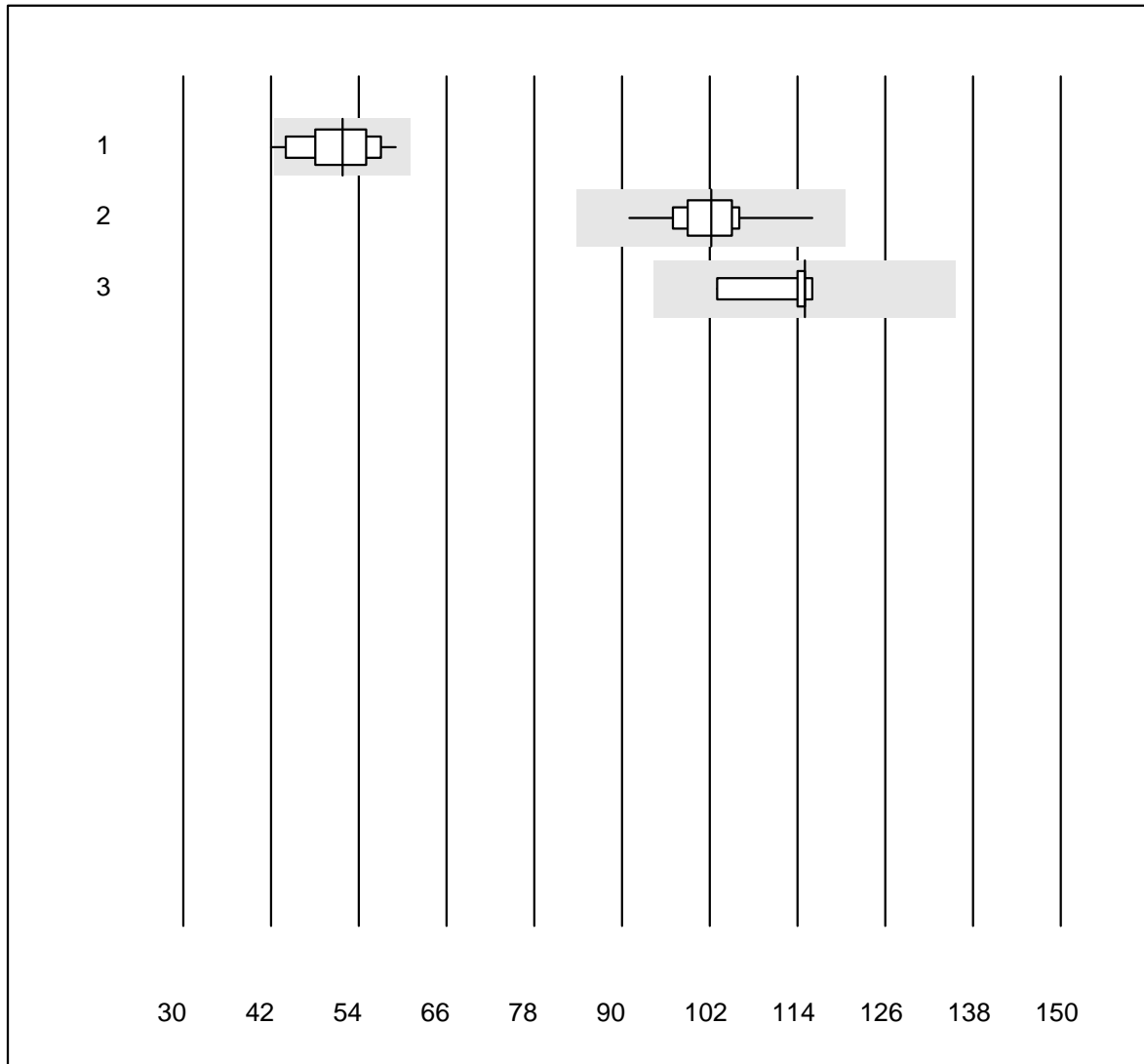


QUALAB tolerance : 18 %

Creatinine (µmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Standard chemistry	15	93.3	0.0	6.7	123	6.4	e
2	Cobas	17	100.0	0.0	0.0	116	6.5	e
3	Reflotron	936	97.2	1.5	1.3	124	6.1	e
4	Fuji Dri-Chem	803	95.3	1.2	3.5	107	6.7	e
5	Spotchem/Ready	127	94.5	0.8	4.7	80	6.2	e
6	Spotchem D-Concept	178	98.3	0.0	1.7	83	4.4	e
7	Enzymatic	7	100.0	0.0	0.0	114	2.7	e
8	Piccolo	39	89.7	7.7	2.6	111	8.4	e
9	Abx Mira	11	90.9	9.1	0.0	118	10.8	e*
10	Skyla	8	62.5	37.5	0.0	102	14.6	e*
11	Hitachi S40/M40	18	94.4	0.0	5.6	111	4.6	e
12	Autolyser/DiaSys	14	100.0	0.0	0.0	111	4.9	e

Creatinine E

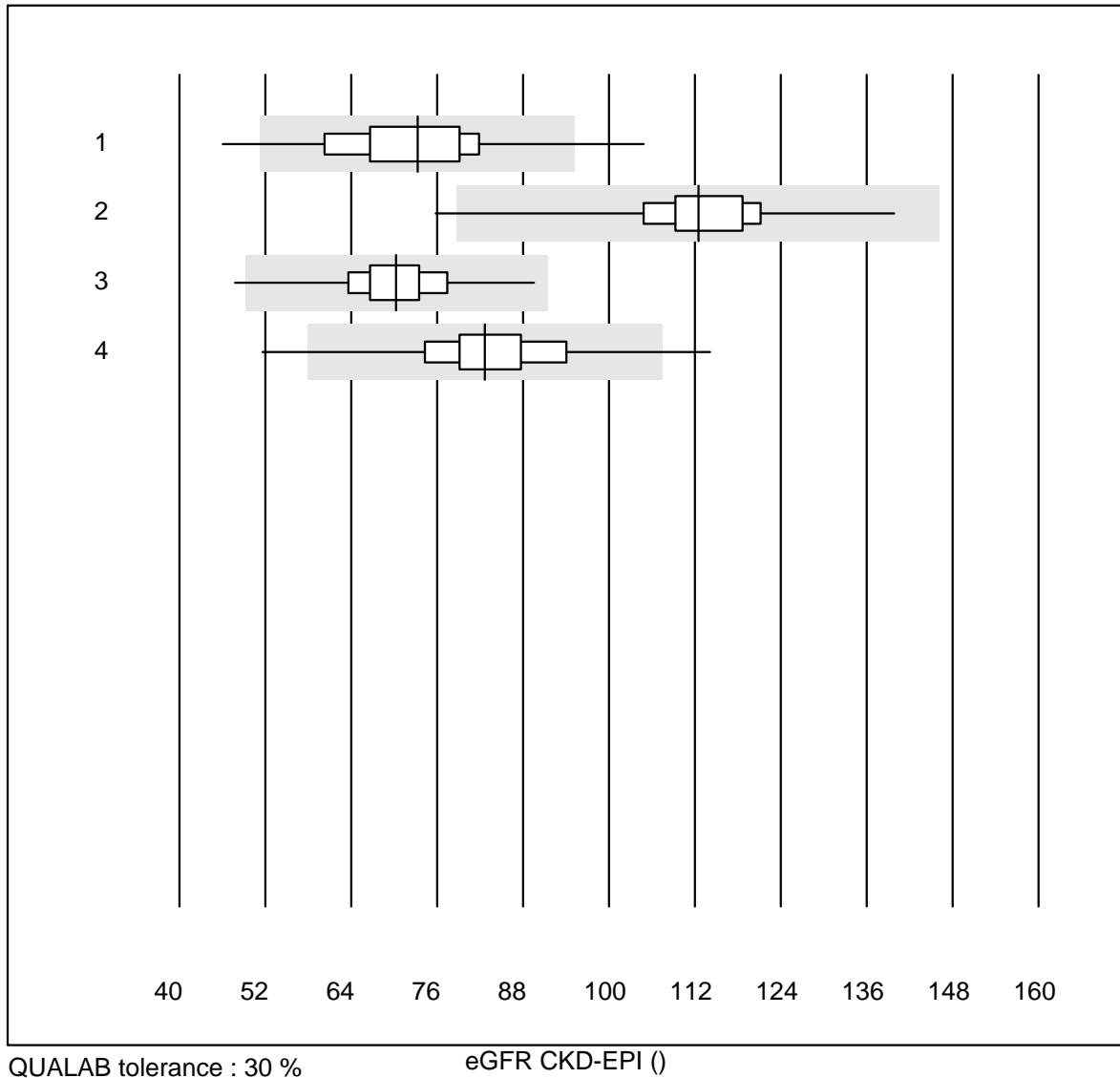


QUALAB tolerance : 18 %

Creatinine E (µmol/l)

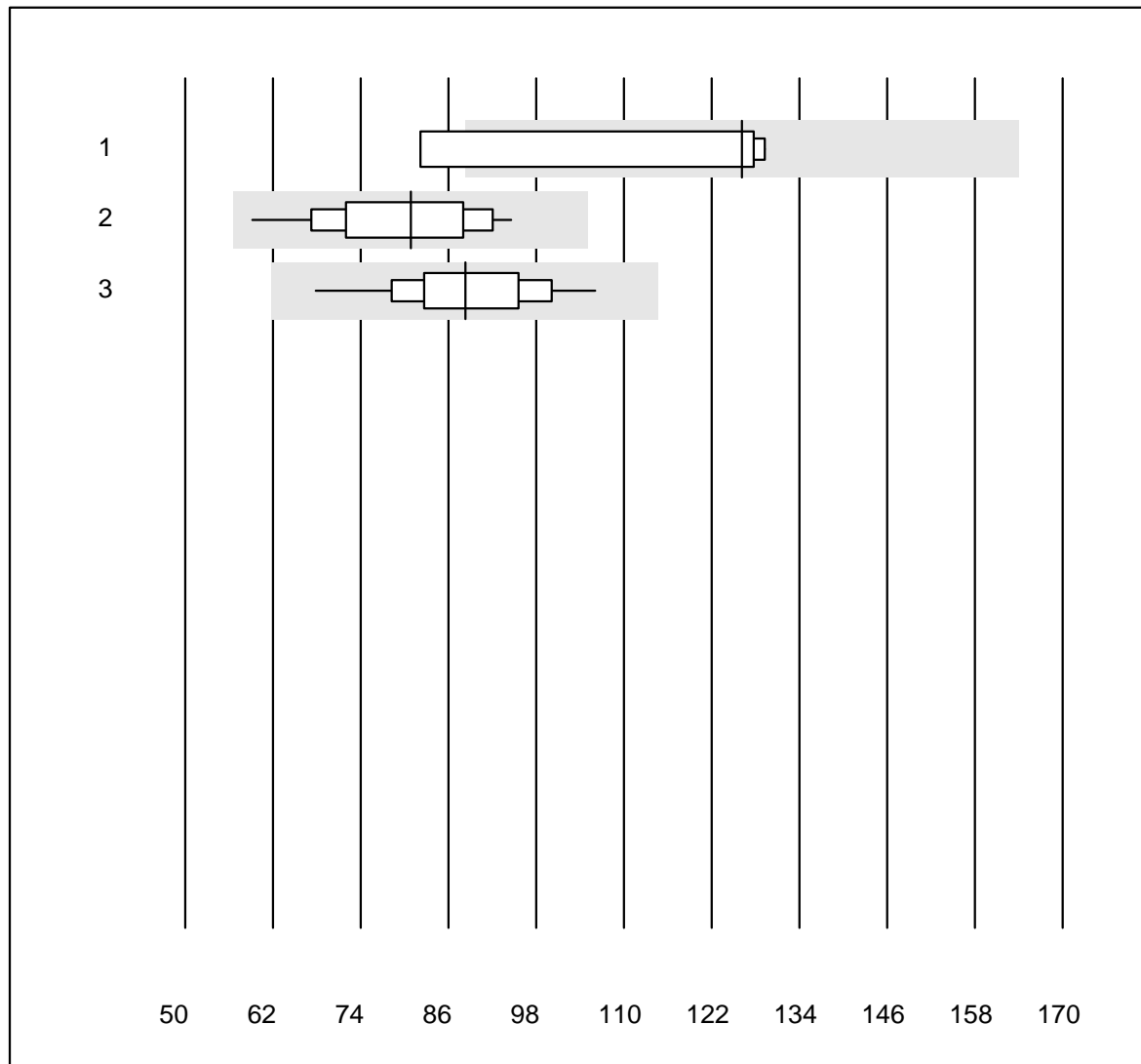
No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Statsensor i / Nova	37	89.2	8.1	2.7	52	9.4	e
2	iStat Chem8	11	100.0	0.0	0.0	102	6.1	e
3	ABL700/800	9	100.0	0.0	0.0	115	3.6	e

eGFR CKD-EPI



No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Standard chemistry	57	84.2	5.3	10.5	73	13.8	e
2	Spotchem/Ready	125	92.8	2.4	4.8	112	9.0	e
3	Reflotron	332	96.1	0.3	3.6	70	8.2	e
4	Fuji Dri-Chem	321	94.7	1.9	3.4	83	10.3	e

eGFR Cockcroft-Gault

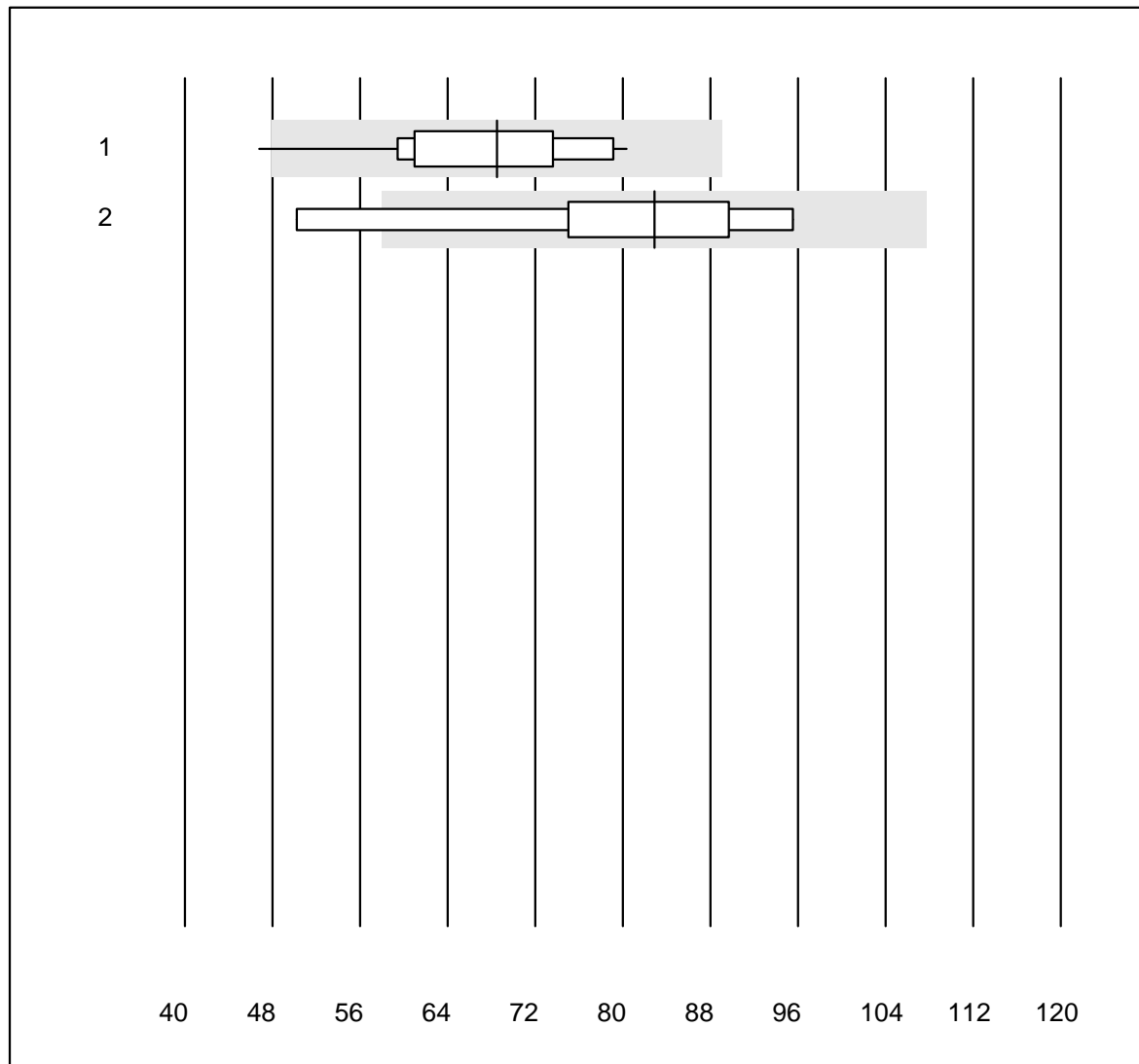


QUALAB tolerance : 30 %

eGFR Cockcroft-Gault ()

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Spotchem/Ready	4	75.0	25.0	0.0	126	19.5	e*
2	Reflotron	28	100.0	0.0	0.0	81	12.0	e
3	Fuji Dri-Chem	17	88.2	0.0	11.8	88	11.2	e

eGFR MDRD

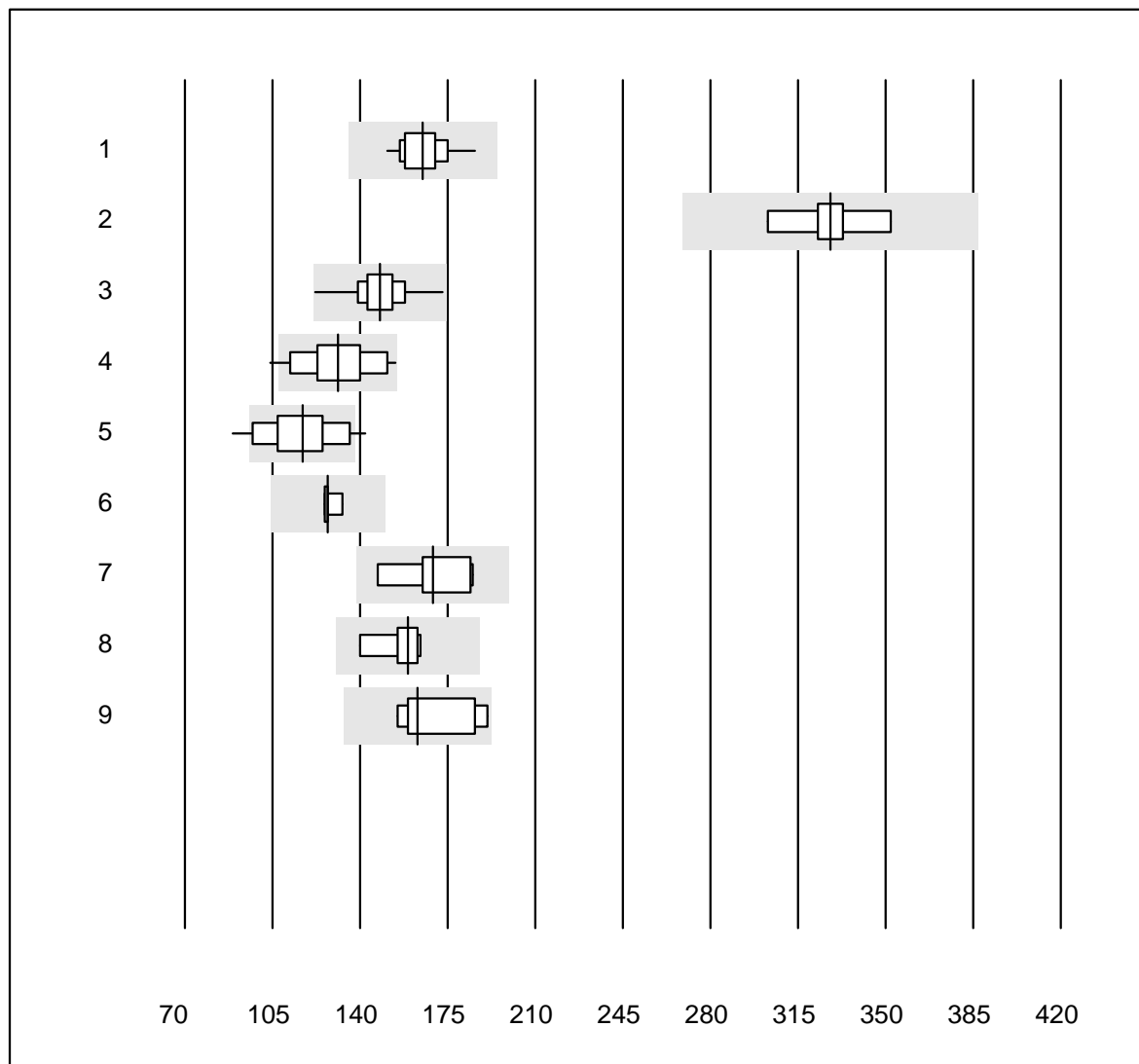


QUALAB tolerance : 30 %

eGFR MDRD ()

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Reflotron	12	83.4	8.3	8.3	69	14.1	e*
2	Fuji Dri-Chem	6	83.3	16.7	0.0	83	20.0	e*

LDH

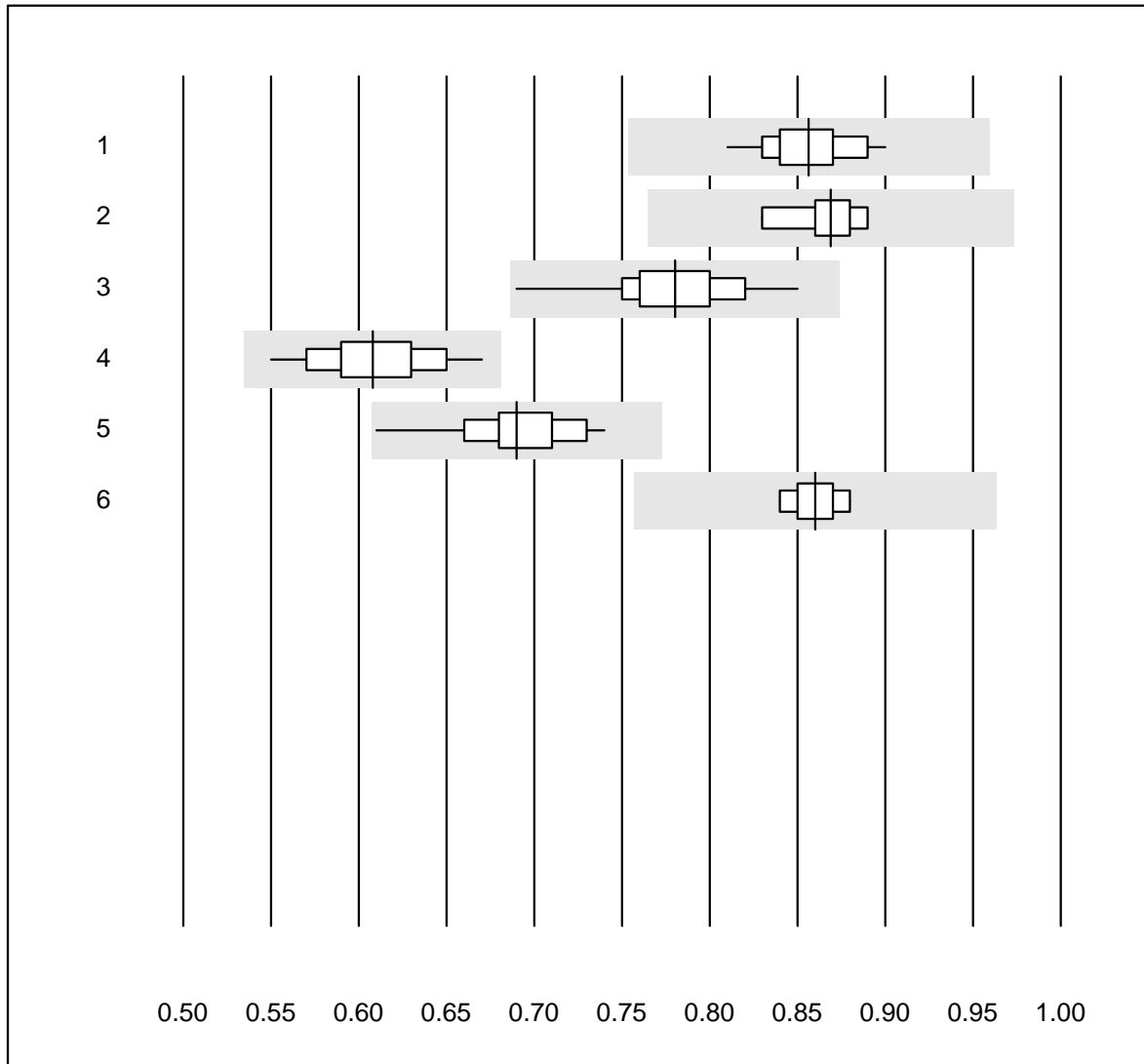


QUALAB tolerance : 18 %

LDH (U/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	IFCC	21	100.0	0.0	0.0	165	5.8	e
2	Cobas	9	100.0	0.0	0.0	328	4.2	e
3	Fuji Dri-Chem	147	98.6	0.0	1.4	148	5.1	e
4	Spotchem/Ready	29	96.6	3.4	0.0	131	9.7	e
5	Spotchem D-Concept	40	80.0	12.5	7.5	117	11.8	e
6	Piccolo	4	100.0	0.0	0.0	127	2.5	e
7	Abx Mira	6	100.0	0.0	0.0	169	8.2	e*
8	Hitachi S40/M40	6	100.0	0.0	0.0	159	5.6	e*
9	Autolyser/DiaSys	7	100.0	0.0	0.0	163	8.7	e*

Magnesium

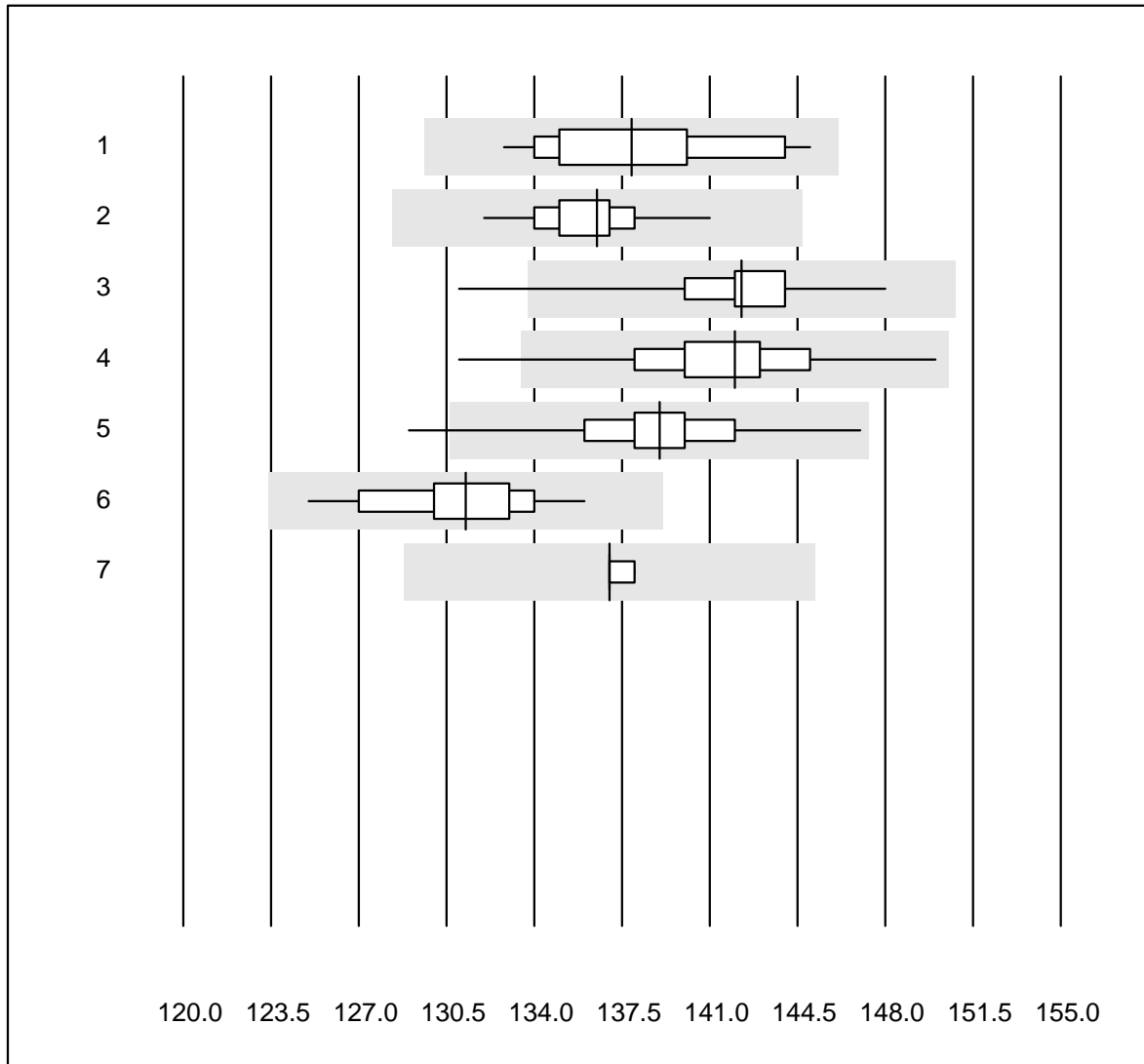


QUALAB tolerance : 12 %

Magnesium (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Standard chemistry	16	100.0	0.0	0.0	0.86	2.7	e
2	Cobas	10	100.0	0.0	0.0	0.87	2.6	e
3	Fuji Dri-Chem	119	98.3	0.0	1.7	0.78	3.8	e
4	Spotchem D-Concept	35	100.0	0.0	0.0	0.61	5.0	e
5	Spotchem/Ready	13	100.0	0.0	0.0	0.69	4.8	e
6	Piccolo	7	100.0	0.0	0.0	0.86	1.6	e

Sodium

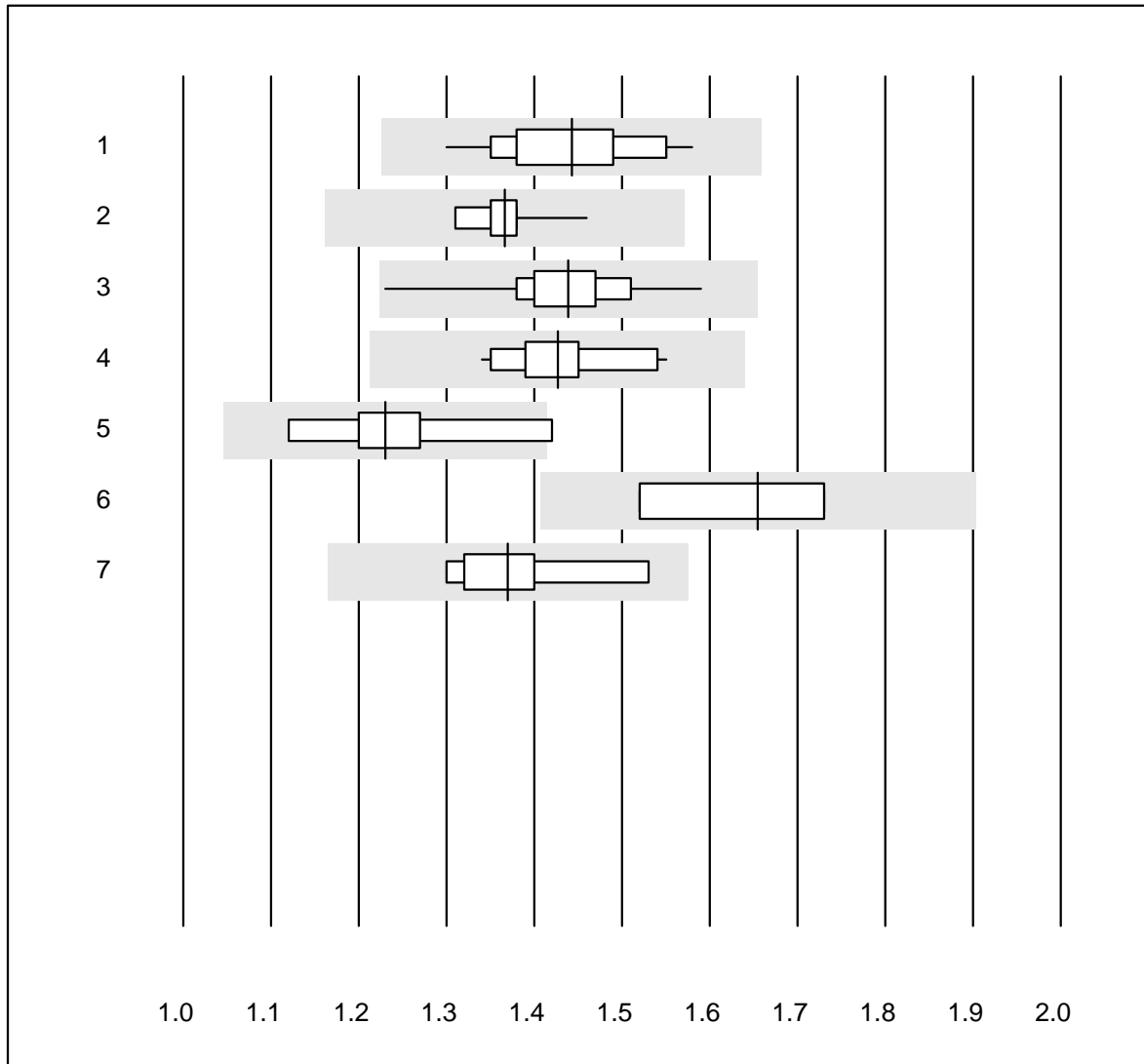


QUALAB tolerance : 6 %

Sodium (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	ISE	31	100.0	0.0	0.0	138	2.7	e
2	Cobas	16	100.0	0.0	0.0	137	1.5	e
3	Fuji Dri-Chem	721	98.2	0.7	1.1	142	1.5	e
4	Spotchem D-Concept	167	94.6	3.6	1.8	142	2.2	e
5	Spotchem EL-SE 1520	115	97.4	0.9	1.7	139	1.8	e
6	Piccolo	27	100.0	0.0	0.0	131	1.9	e
7	iStat Chem8	5	100.0	0.0	0.0	137	0.3	e

Phosphate

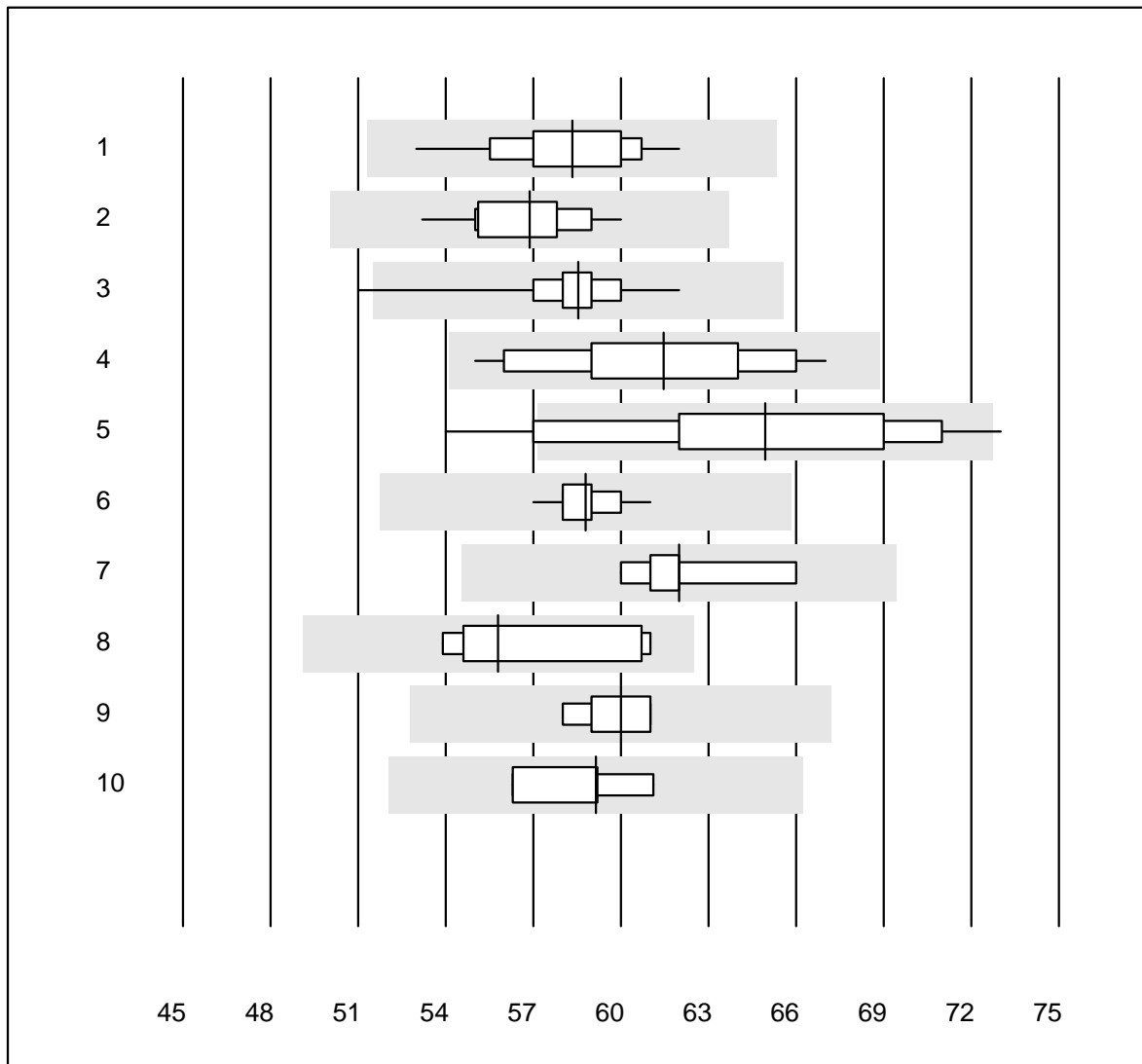


QUALAB tolerance : 15 %

Phosphate (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Standard chemistry	16	100.0	0.0	0.0	1.4	5.4	e
2	Cobas	10	100.0	0.0	0.0	1.4	2.8	e
3	Fuji Dri-Chem	82	97.6	0.0	2.4	1.4	4.3	e
4	Spotchem D-Concept	17	100.0	0.0	0.0	1.4	4.1	e
5	Spotchem/Ready	9	88.9	11.1	0.0	1.2	7.8	e*
6	Piccolo	4	75.0	0.0	25.0	1.7	6.7	e*
7	Abx Mira	5	100.0	0.0	0.0	1.4	6.6	e*

Protein total

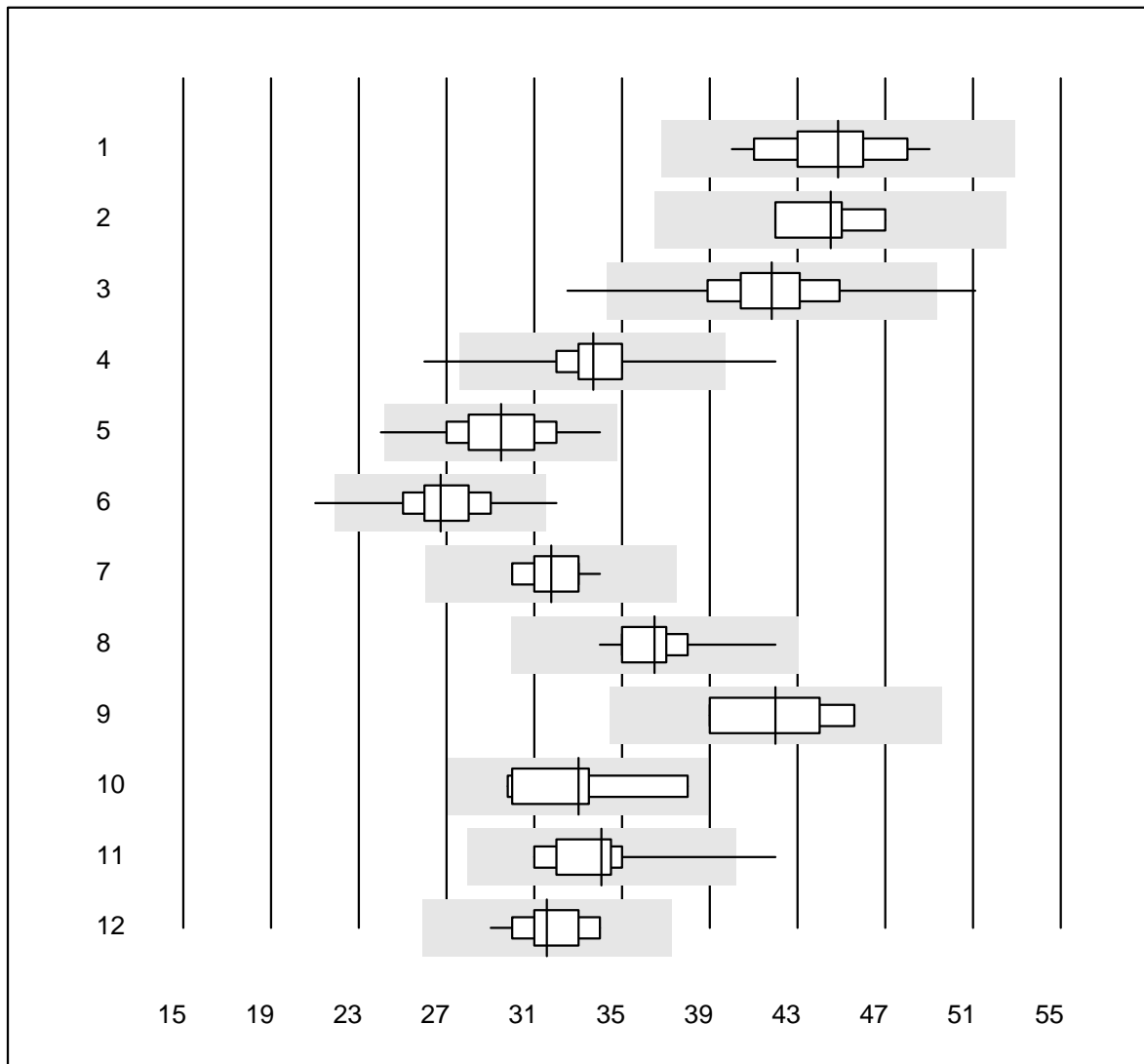


QUALAB tolerance : 12 %

Protein total (g/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Standard chemistry	21	100.0	0.0	0.0	58.3	3.9	e
2	Cobas	12	100.0	0.0	0.0	56.9	3.3	e
3	Fuji Dri-Chem	180	98.3	0.6	1.1	58.5	2.4	e
4	Spotchem/Ready	33	100.0	0.0	0.0	61.5	5.8	e
5	Spotchem D-Concept	78	85.9	12.8	1.3	64.9	7.4	e
6	Piccolo	30	100.0	0.0	0.0	58.8	1.6	e
7	Skyla	6	100.0	0.0	0.0	62.0	3.3	e
8	Abx Mira	5	100.0	0.0	0.0	55.8	5.9	e*
9	Hitachi S40/M40	7	100.0	0.0	0.0	60.0	1.8	e
10	Autolyser/DiaSys	4	100.0	0.0	0.0	59.2	3.4	e*

Aspartate aminotransferase

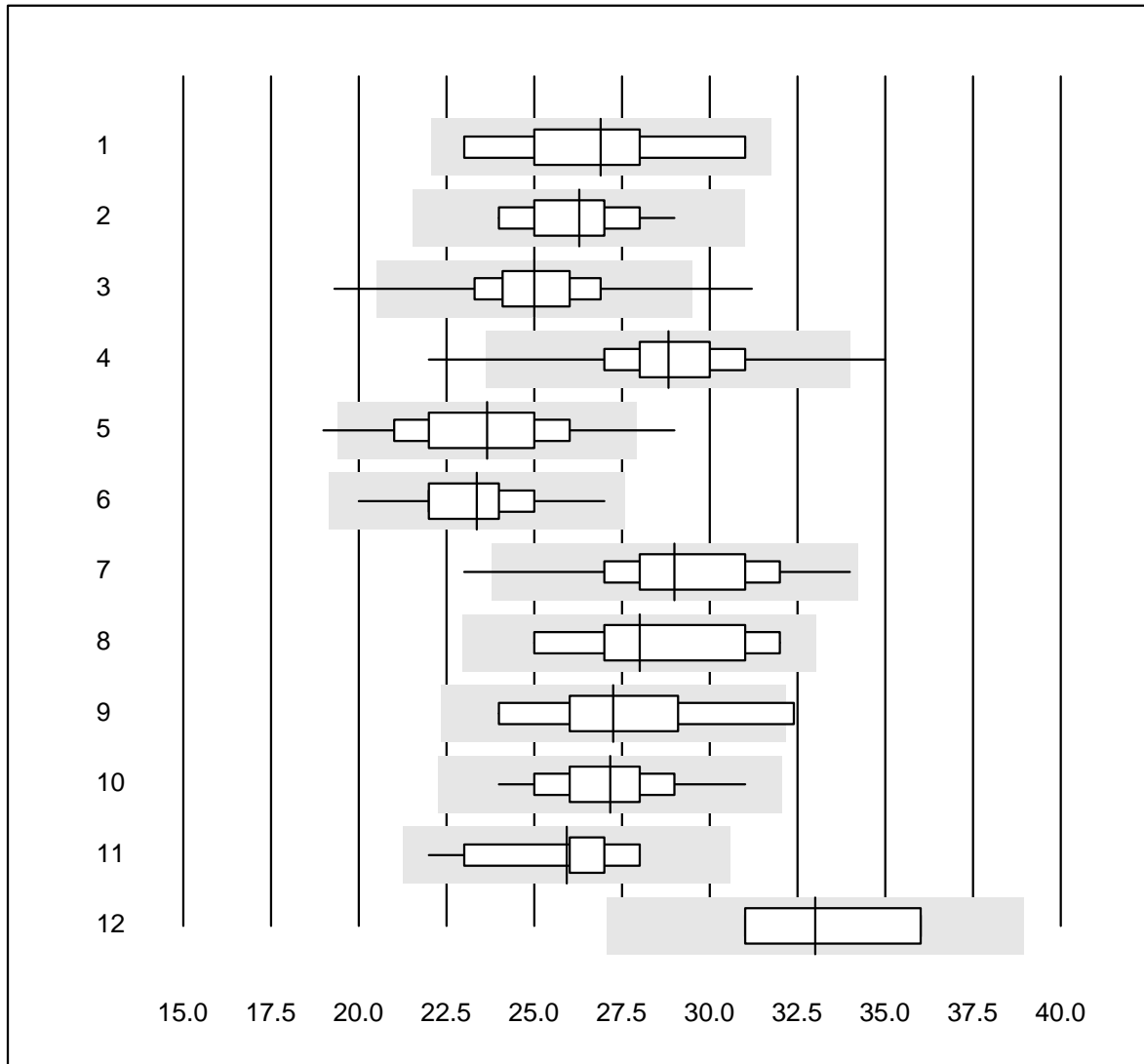


QUALAB tolerance : 18 %

Aspartate aminotransferase (U/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	IFCC with PP	20	100.0	0.0	0.0	45	5.1	e
2	Cobas	8	100.0	0.0	0.0	45	4.1	e
3	Reflotron	831	96.4	1.2	2.4	42	6.2	e
4	Fuji Dri-Chem	779	99.0	0.4	0.6	34	4.5	e
5	Spotchem/Ready	136	97.8	0.7	1.5	29	6.3	e
6	Spotchem D-Concept	181	98.9	1.1	0.0	27	6.3	e
7	IFCC without PP	10	100.0	0.0	0.0	32	4.1	e
8	Piccolo	40	100.0	0.0	0.0	36	4.1	e
9	Skyla	8	100.0	0.0	0.0	42	6.6	e*
10	Abx Mira	9	88.9	0.0	11.1	33	8.9	e*
11	Hitachi S40/M40	20	95.0	5.0	0.0	34	6.8	e
12	Autolyser/DiaSys	14	100.0	0.0	0.0	32	4.6	e

Alanine aminotransferase

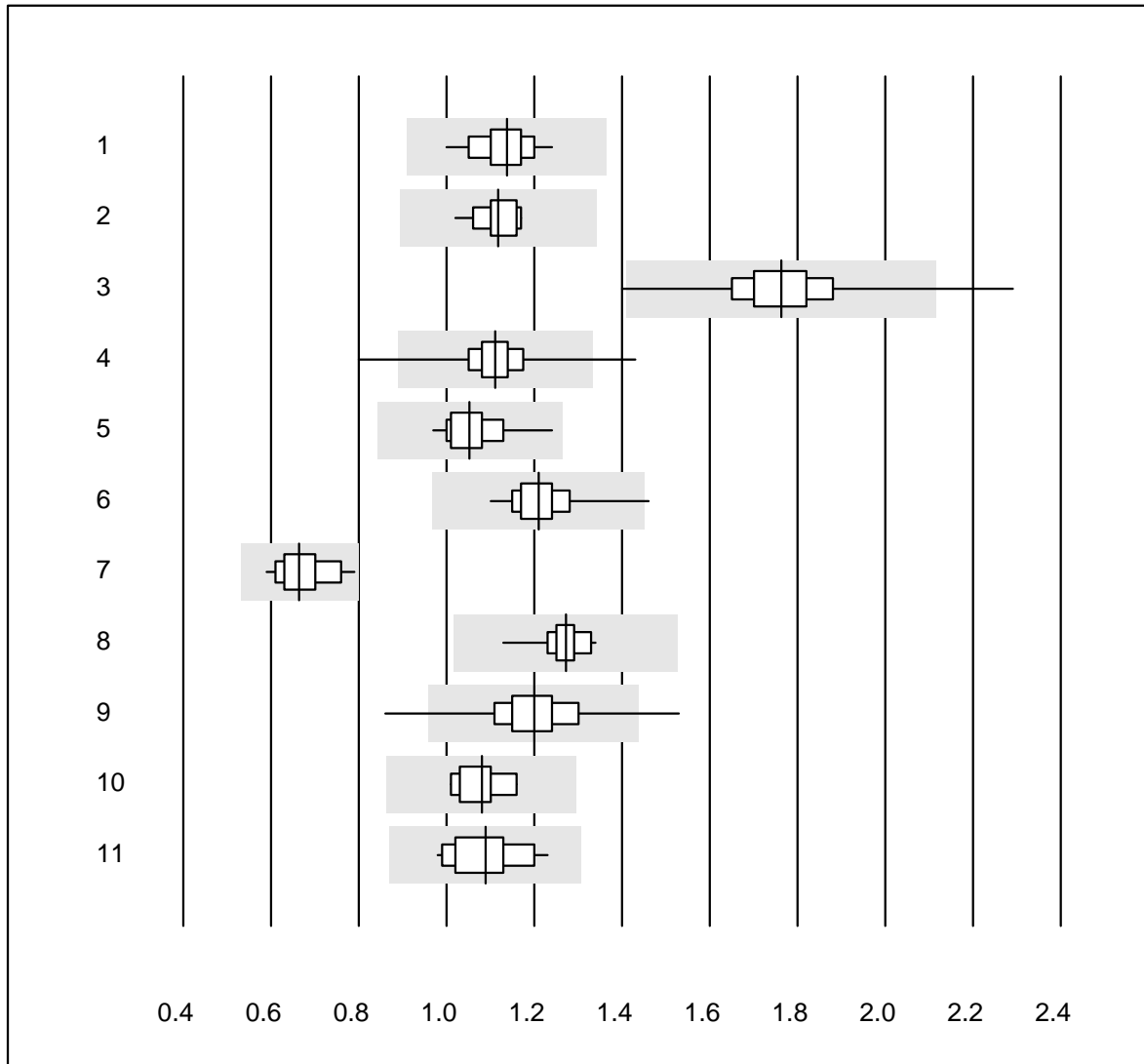


QUALAB tolerance : 18 %

Alanine aminotransferase (U/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	IFCC with PP	17	100.0	0.0	0.0	27	9.8	e*
2	Cobas	18	100.0	0.0	0.0	26	5.2	e
3	Reflotron	865	97.9	0.9	1.2	25	6.0	e
4	Fuji Dri-Chem	798	98.4	1.0	0.6	29	5.9	e
5	Spotchem/Ready	140	95.0	2.9	2.1	24	7.9	e
6	Spotchem D-Concept	186	100.0	0.0	0.0	23	6.1	e
7	Piccolo	41	97.6	2.4	0.0	29	8.4	e
8	Skyla	8	87.5	0.0	12.5	28	8.5	e*
9	Abx Mira	8	75.0	12.5	12.5	27	9.6	e*
10	Hitachi S40/M40	20	90.0	0.0	10.0	27	6.1	e
11	Autolyser/DiaSys	14	100.0	0.0	0.0	26	6.5	e
12	Other methods	4	75.0	0.0	25.0	33	7.8	a

Triglycerides

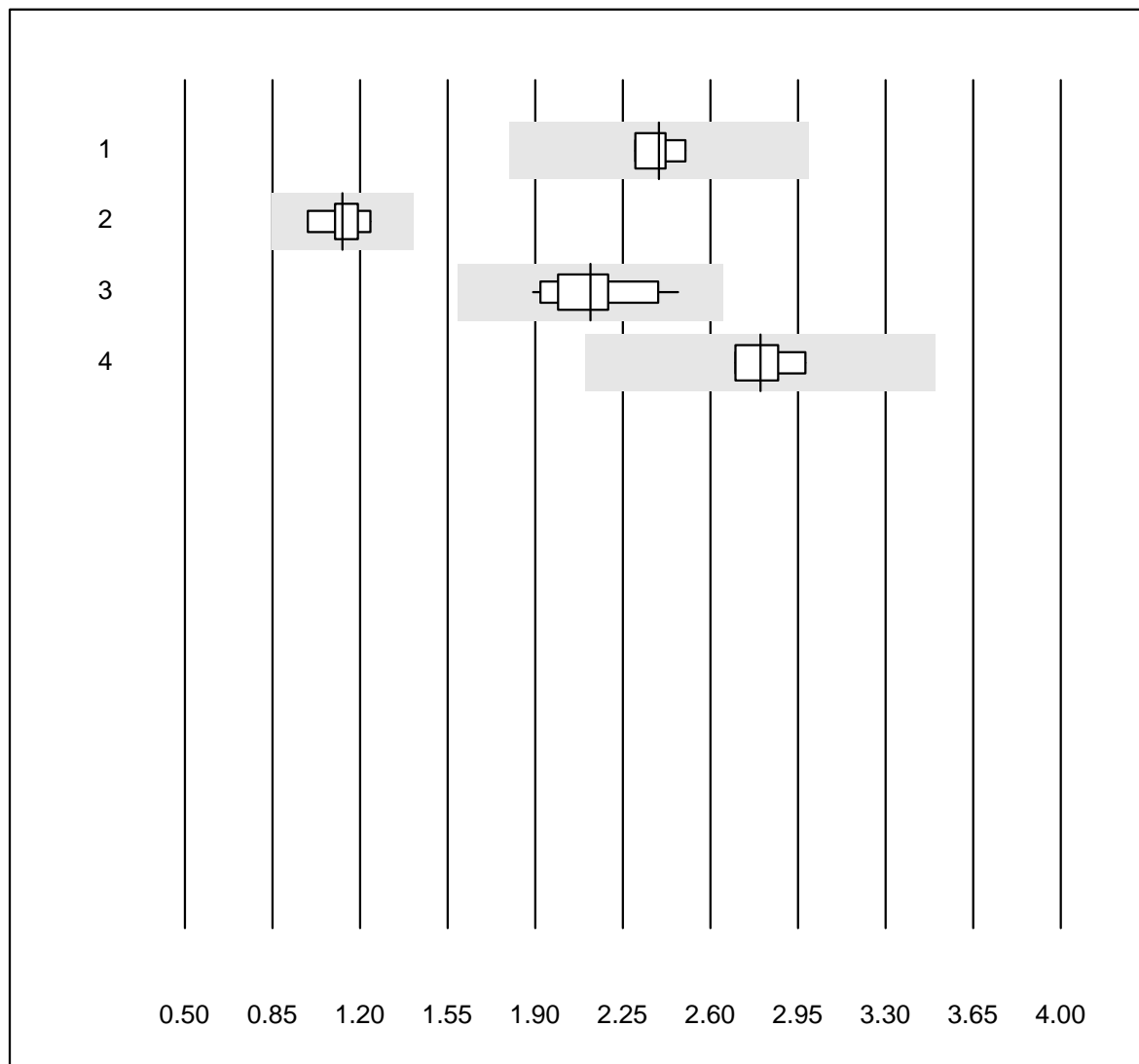


QUALAB tolerance : 20 %

Triglycerides (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Standard chemistry	20	100.0	0.0	0.0	1.14	5.4	e
2	Cobas	17	100.0	0.0	0.0	1.12	3.8	e
3	Reflotron	590	97.6	1.0	1.4	1.76	5.7	e
4	Fuji Dri-Chem	702	97.8	0.9	1.3	1.11	5.1	e
5	Spotchem/Ready	119	97.5	0.0	2.5	1.05	5.2	e
6	Spotchem D-Concept	164	98.8	0.6	0.6	1.21	4.7	e
7	Hitachi S40/M40	15	100.0	0.0	0.0	0.66	8.3	e
8	Piccolo	20	100.0	0.0	0.0	1.27	3.8	e
9	Cholestech LDX	182	98.4	1.6	0.0	1.20	6.9	e
10	Abx Mira	9	88.9	0.0	11.1	1.08	4.5	e
11	Autolyser/DiaSys	13	100.0	0.0	0.0	1.09	7.6	e

LDL Cholesterin

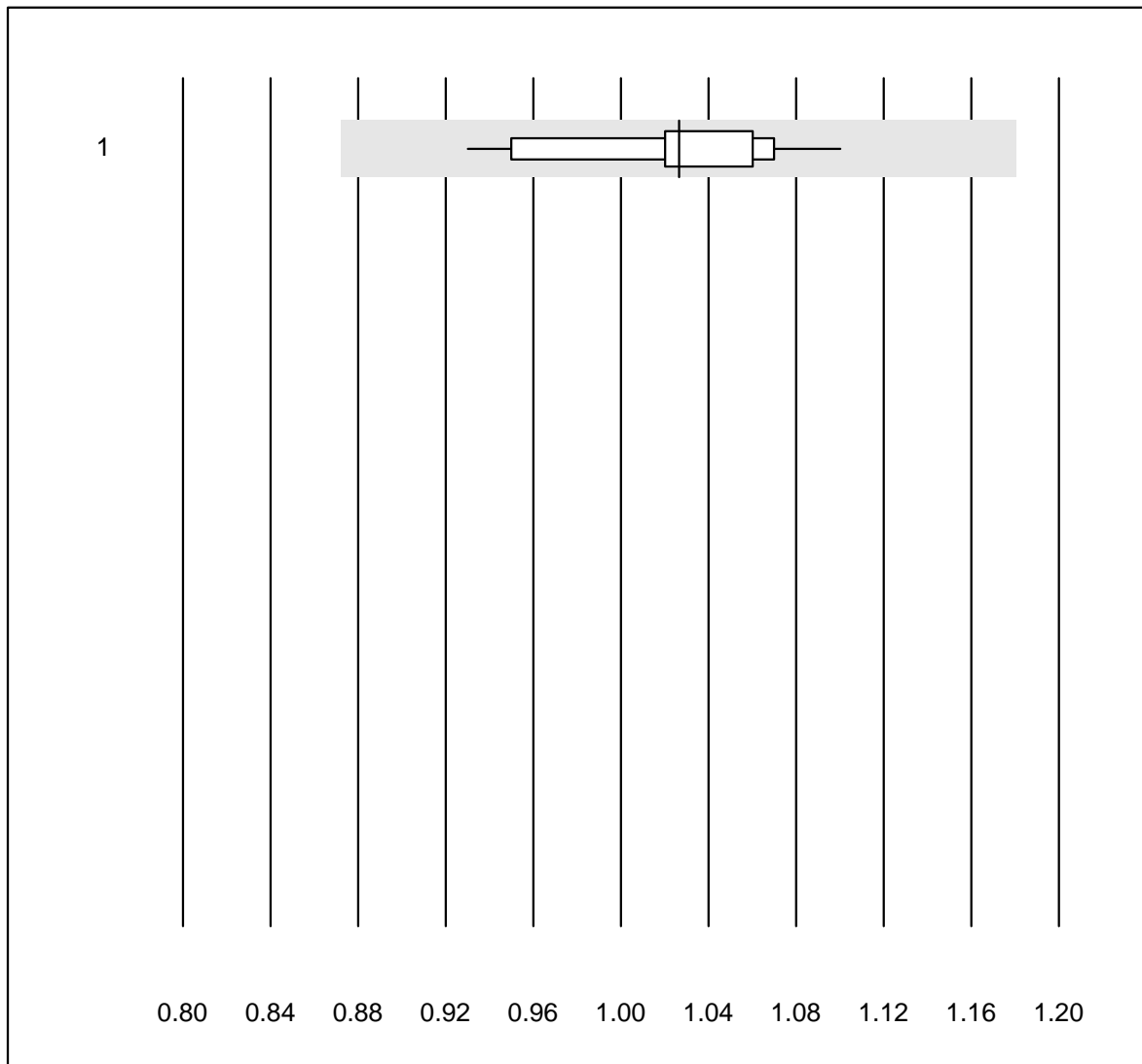


QUALAB tolerance : 25 %

LDL Cholesterin (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Roche, Cobas	4	100.0	0.0	0.0	2.4	3.5	e
2	Hitachi S40/M40	7	100.0	0.0	0.0	1.1	6.9	e
3	Autolyser/DiaSys	13	100.0	0.0	0.0	2.1	8.1	e
4	Beckman	5	100.0	0.0	0.0	2.8	4.2	a

Lithium

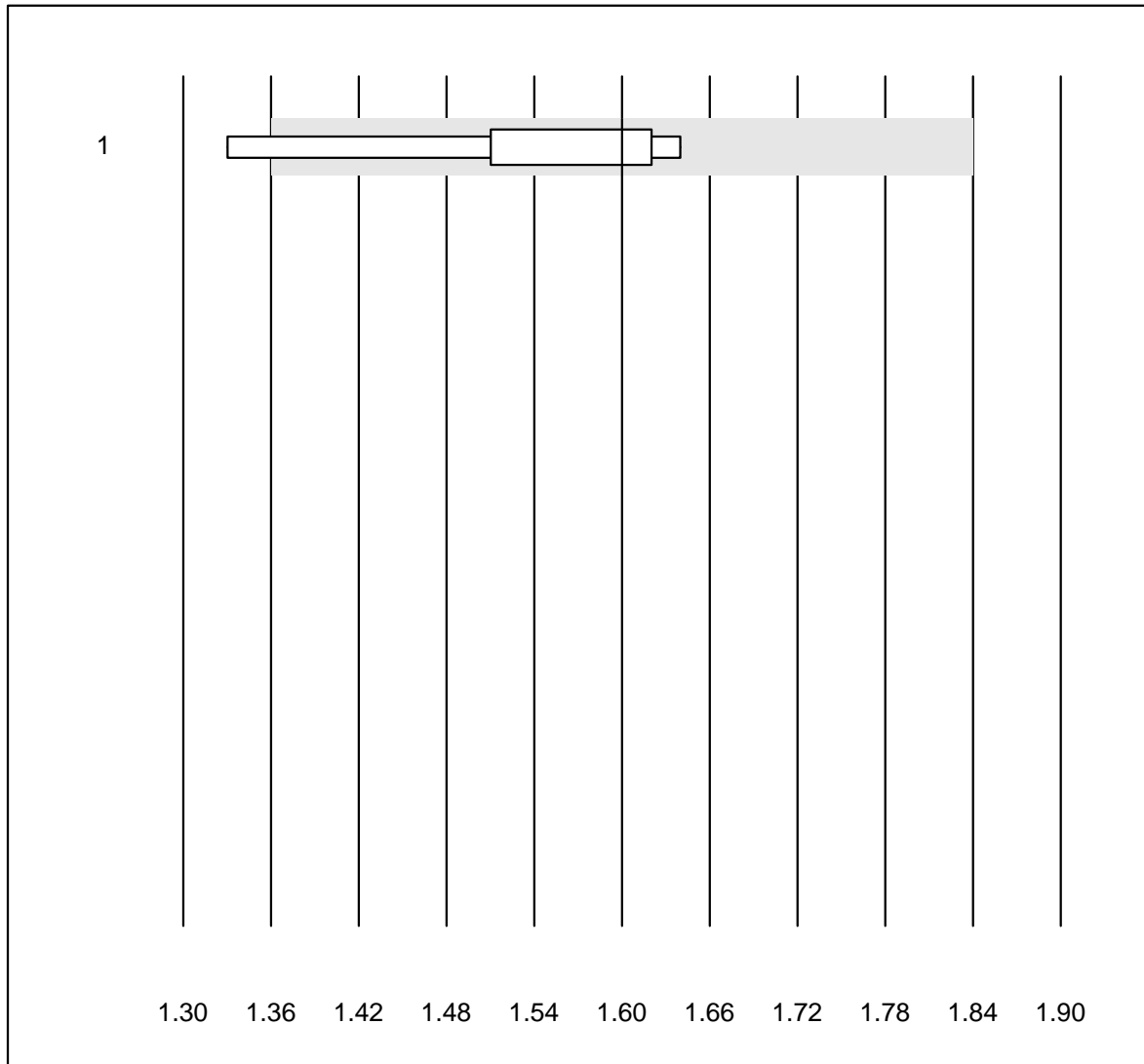


QUALAB tolerance : 15 %

Lithium (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Type
1	all Participants	14	100.0	0.0	0.0	1.03	4.5	e

Lactate

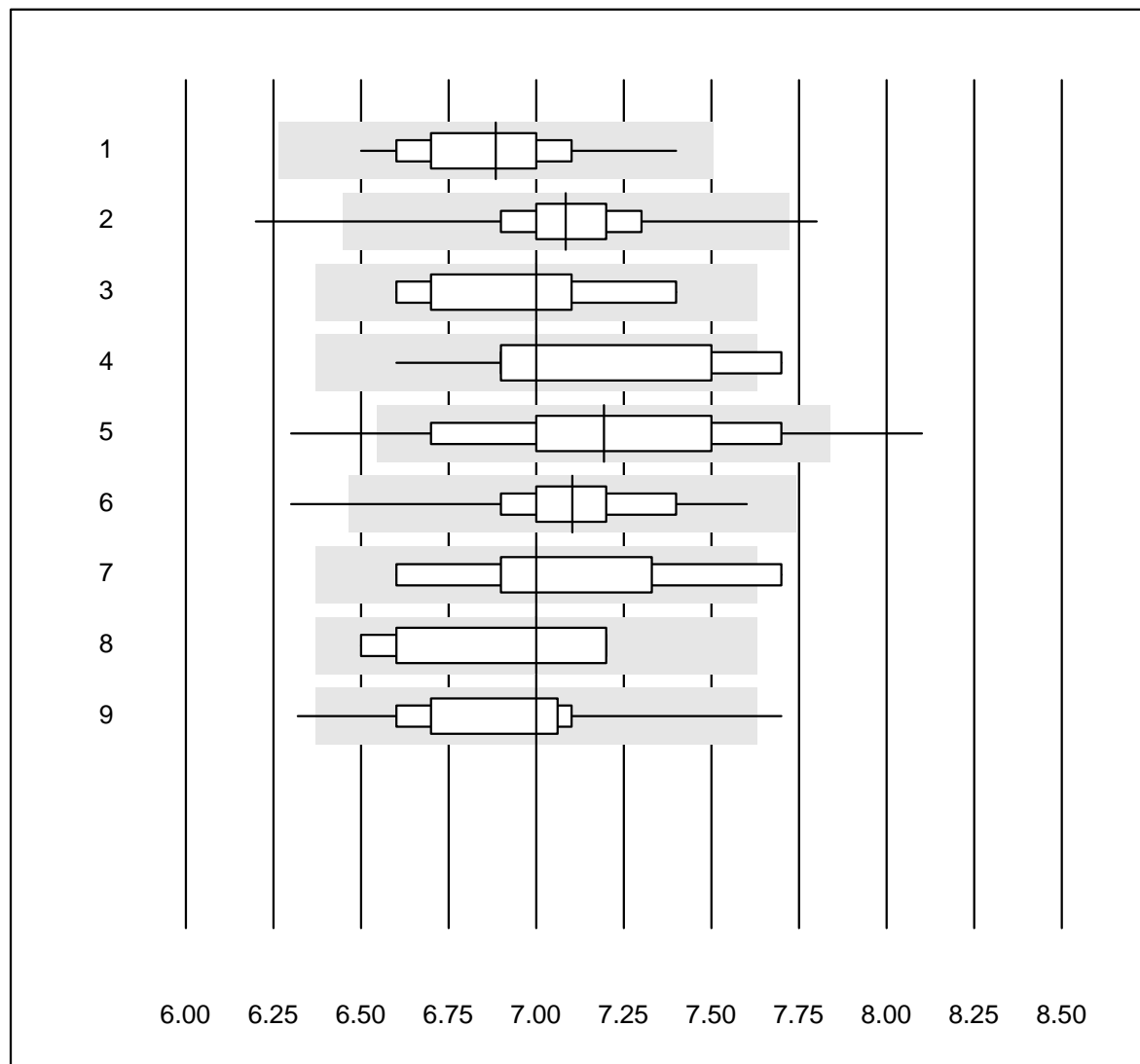


QUALAB tolerance : 15 %

Lactate (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	all Participants	8	87.5	12.5	0.0	1.60	6.7	e*

HbA1c sample A

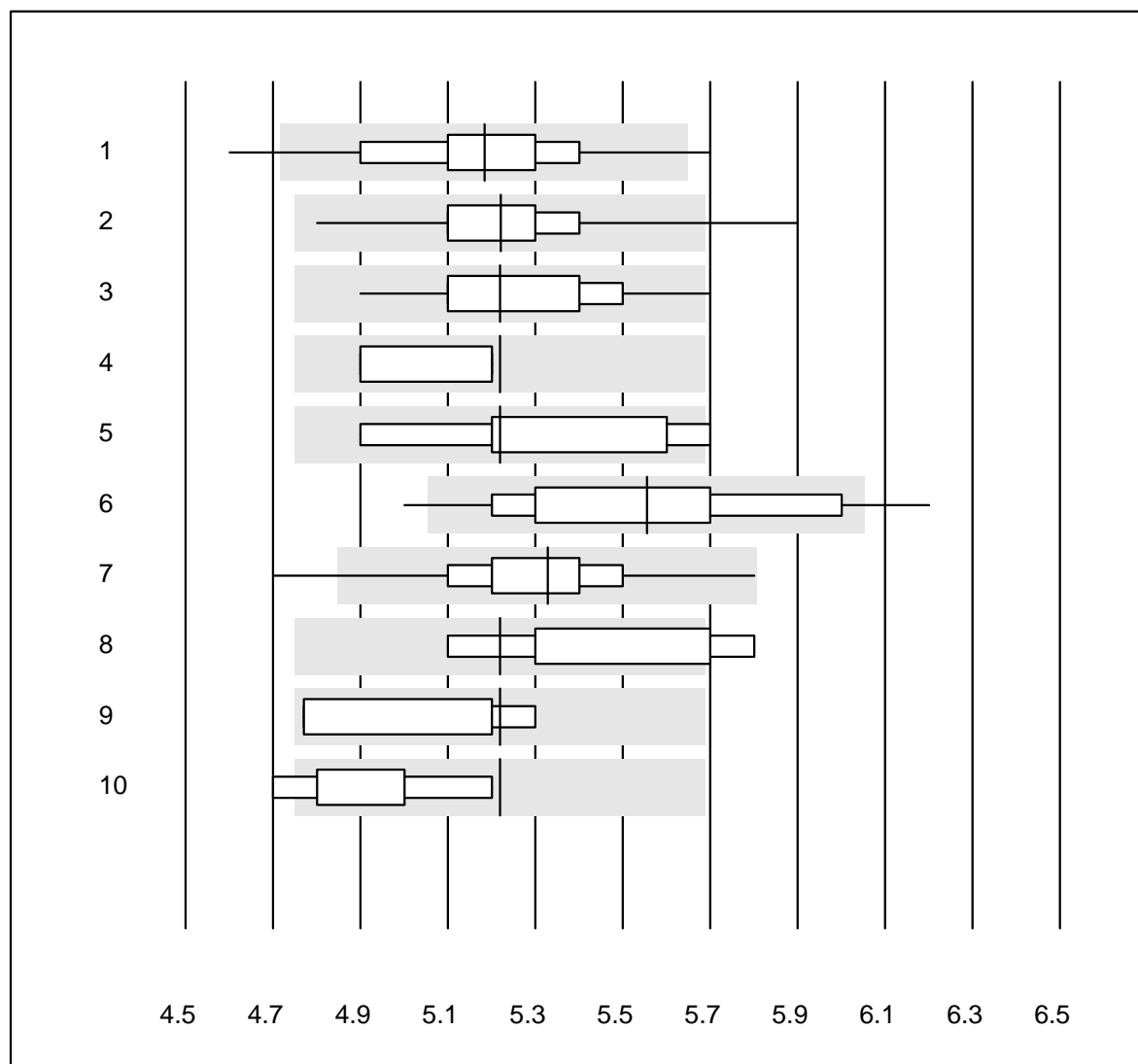


QUALAB tolerance : 9 %

HbA1c sample A (%)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Cobas b101	45	97.8	0.0	2.2	6.9	3.0	e
2	Afinion	676	99.0	0.6	0.4	7.1	2.3	e
3	Eurolyser	17	100.0	0.0	0.0	7.0	3.9	a
4	Hemocue HbA1c 501	12	83.3	16.7	0.0	7.0	5.1	a
5	NycoCard	62	85.5	9.7	4.8	7.2	5.6	e
6	DCA2000/Vantage	214	99.0	0.5	0.5	7.1	2.9	e
7	Others	10	60.0	20.0	20.0	7.0	5.3	a
8	HPLC	5	100.0	0.0	0.0	7.0	4.8	a
9	Roche, Cobas	18	88.9	11.1	0.0	7.0	4.1	a

HbA1c sample B

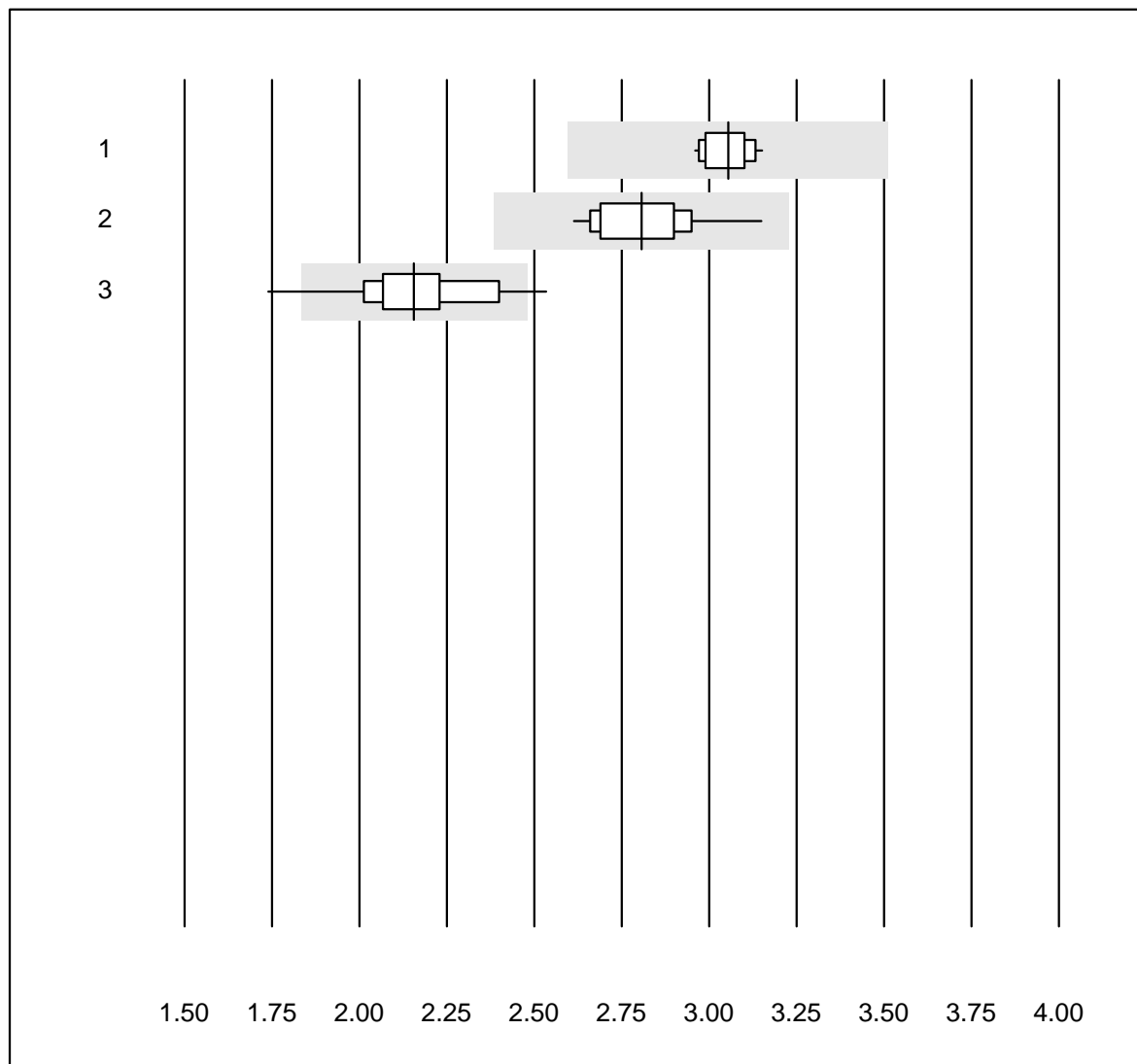


QUALAB tolerance : 9 %

HbA1c sample B (%)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Cobas b101	30	93.3	6.7	0.0	5.2	3.8	e
2	Afinion	610	98.2	1.5	0.3	5.2	2.6	e
3	Eurolyser	19	94.7	5.3	0.0	5.2	3.5	a
4	A1c Now	4	75.0	0.0	25.0	5.2	3.0	a
5	Hemocue HbA1c 501	6	66.6	16.7	16.7	5.2	6.0	a
6	NycoCard	70	85.7	5.7	8.6	5.6	4.9	e
7	DCA2000/Vantage	215	98.1	0.5	1.4	5.3	3.2	e
8	Others	6	50.0	33.3	16.7	5.2	5.3	a
9	HPLC	4	100.0	0.0	0.0	5.2	4.5	a
10	Roche, Cobas	13	76.9	15.4	7.7	5.2	3.3	a

pCO2

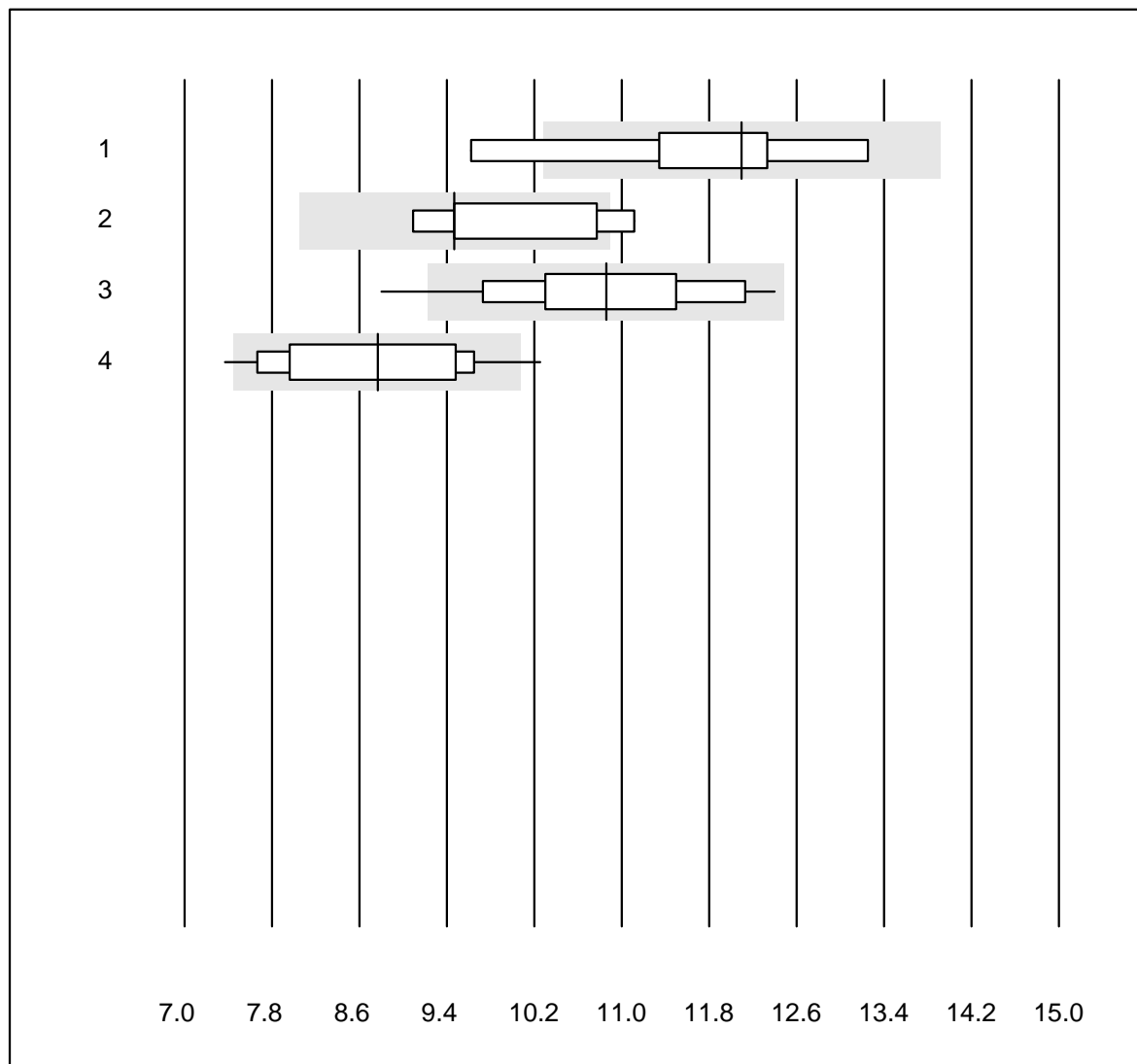


QUALAB tolerance : 15 %

pCO2 (kPa)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Cobas b121/123/221	16	100.0	0.0	0.0	3.05	2.1	e
2	iStat	38	100.0	0.0	0.0	2.81	4.2	e
3	EPOC	25	84.0	12.0	4.0	2.16	7.9	e

pO2



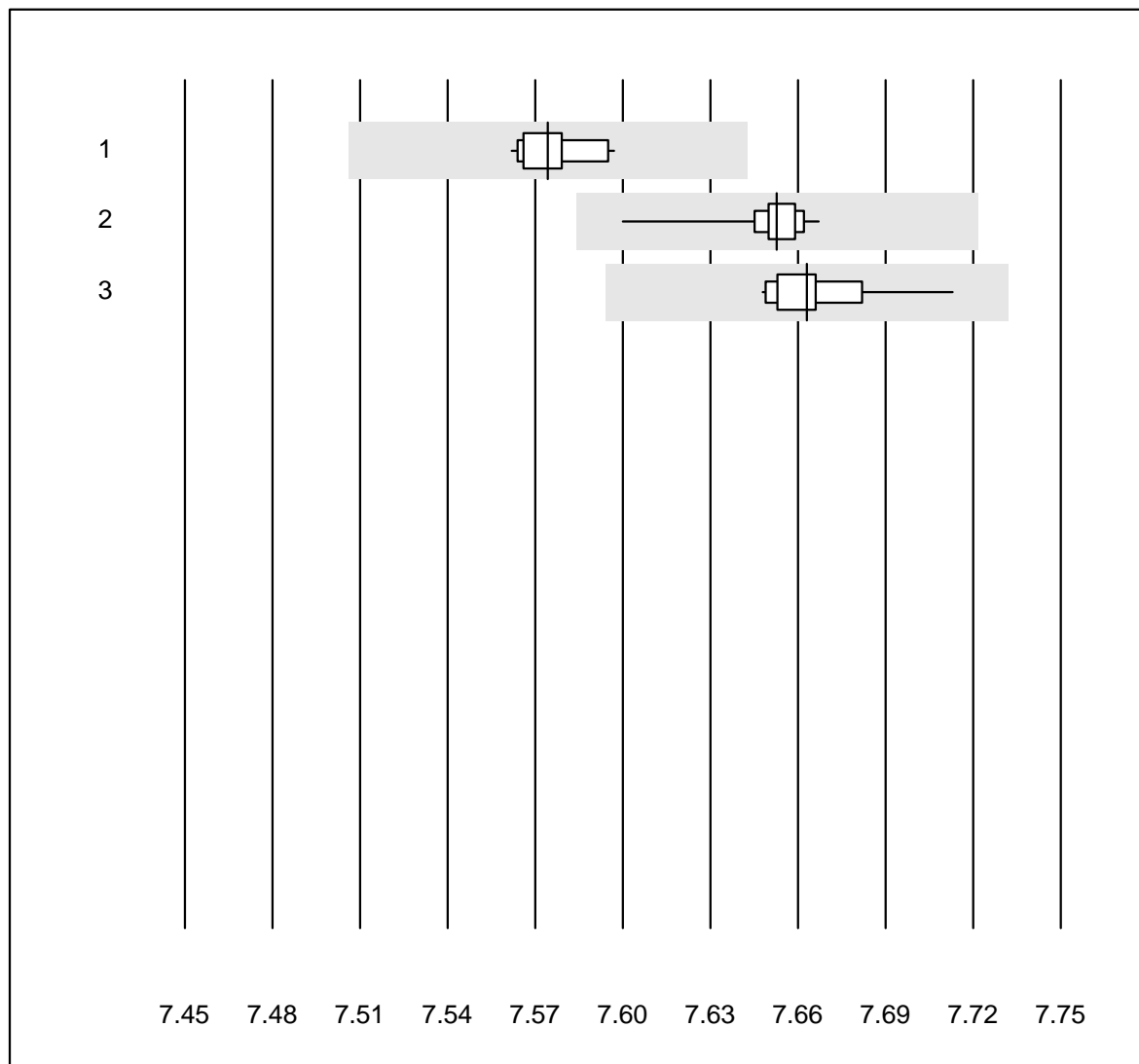
QUALAB tolerance : 15 %

pO2 (kPa)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Cobas b221	6	83.3	16.7	0.0	12.10	10.4	e*
2	Cobas b121/123	7	57.1	14.3	28.6	9.47	8.4	e*
3	iStat	38	89.4	5.3	5.3	10.86	8.4	e
4	EPOC	25	76.0	12.0	12.0	8.77	9.9	e*

K4 Blood gases

pH

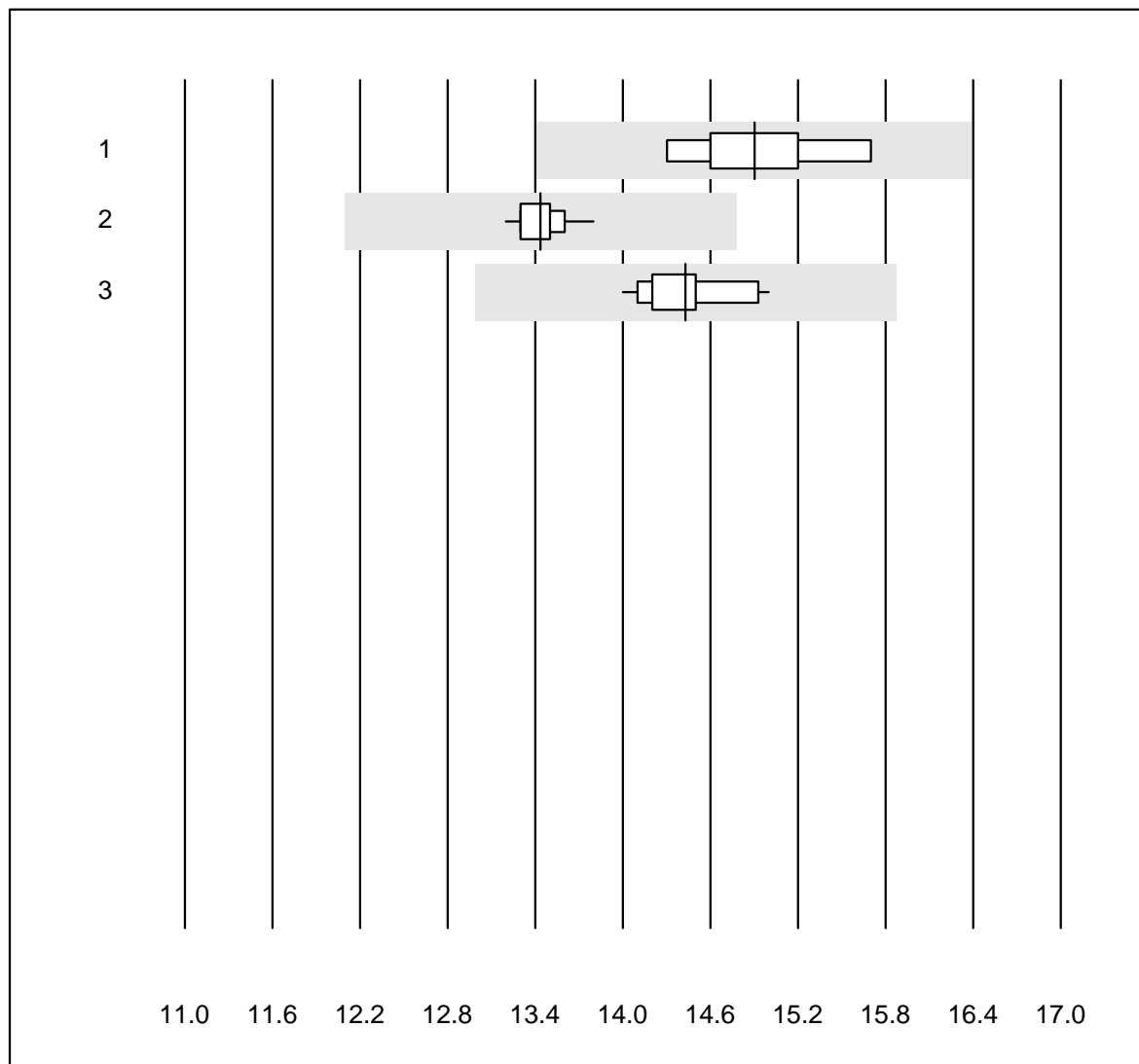


QUALAB tolerance : 1 %

pH ()

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Cobas b121/123/221	15	100.0	0.0	0.0	7.57	0.1	e
2	iStat	39	97.4	0.0	2.6	7.65	0.1	e
3	EPOC	25	100.0	0.0	0.0	7.66	0.2	e

Glucose BG

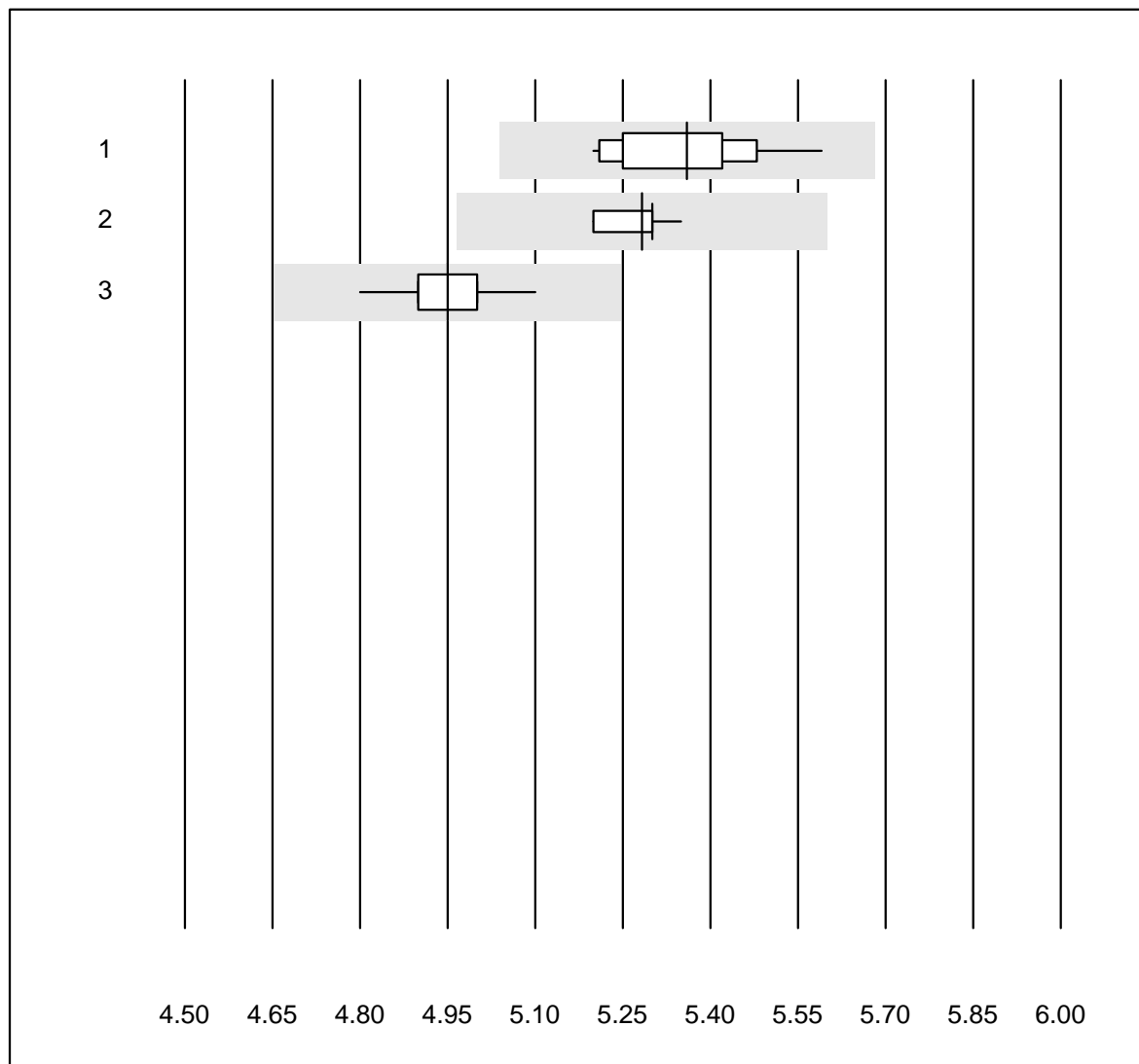


QUALAB tolerance : 10 %

Glucose BG (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Cobas b121/123/221	8	100.0	0.0	0.0	14.9	2.9	e
2	iStat	11	100.0	0.0	0.0	13.4	1.2	e
3	EPOC	16	100.0	0.0	0.0	14.4	2.1	e

Potassium BG

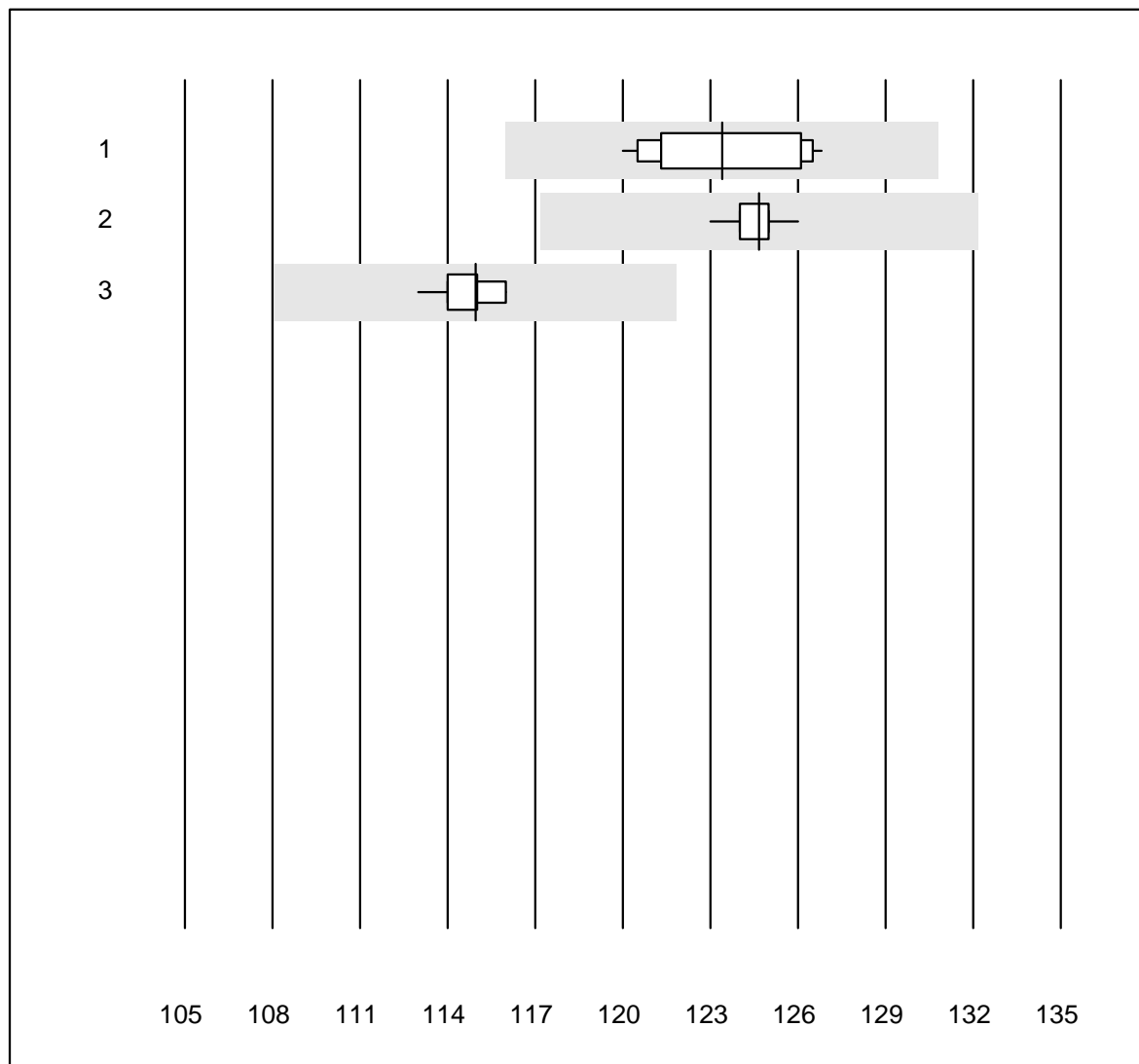


QUALAB tolerance : 6 %

Potassium BG (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Cobas b121/123/221	15	93.3	0.0	6.7	5.4	2.1	e
2	iStat	21	100.0	0.0	0.0	5.3	0.8	e
3	EPOC	20	100.0	0.0	0.0	5.0	1.5	e

Sodium BG

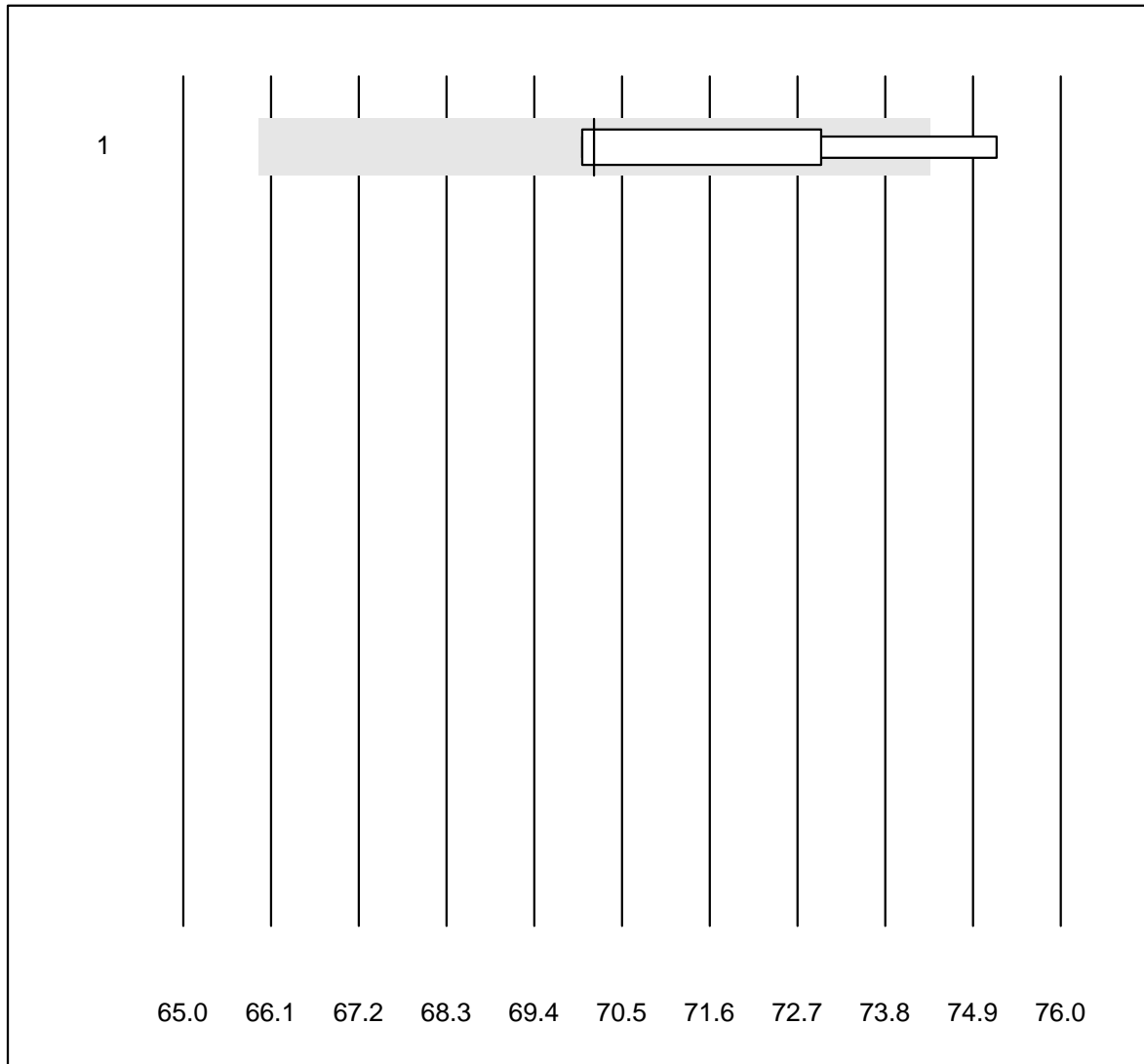


QUALAB tolerance : 6 %

Sodium BG (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Cobas b121/123/221	16	93.7	0.0	6.3	123.4	2.0	e
2	iStat	21	100.0	0.0	0.0	124.7	0.6	e
3	EPOC	20	100.0	0.0	0.0	115.0	0.7	e

Chlorid-BG

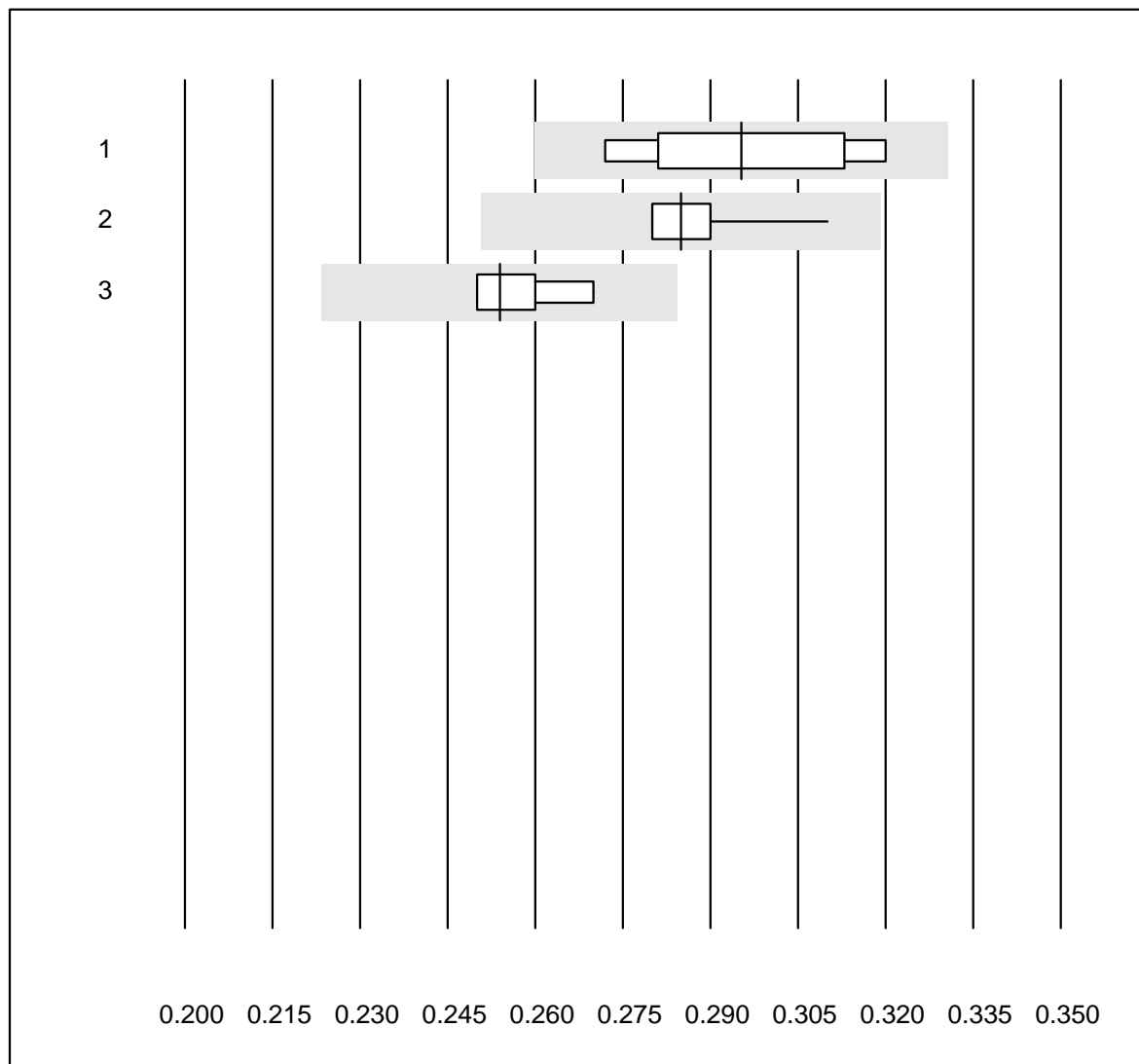


QUALAB tolerance : 6 %

Chlorid-BG (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Cobas b121/123/221	6	83.3	16.7	0.0	70.2	3.1	e*

Calcium-BG

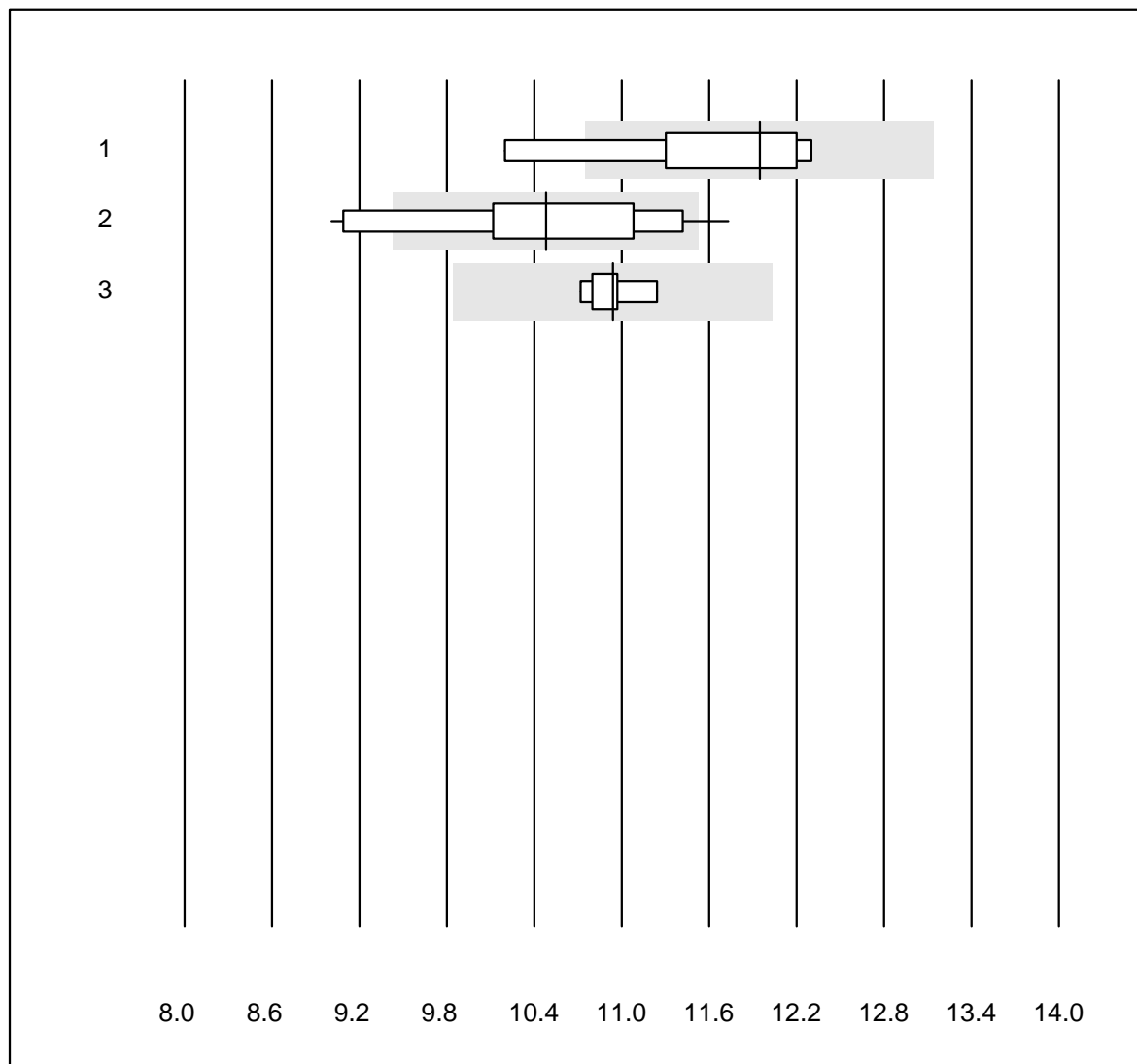


QUALAB tolerance : 12 %

Calcium-BG (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Cobas b121/123/221	11	81.8	0.0	18.2	0.30	6.4	e*
2	iStat	11	90.9	0.0	9.1	0.29	3.4	e
3	EPOC	18	100.0	0.0	0.0	0.25	2.7	e

Lactate-BG

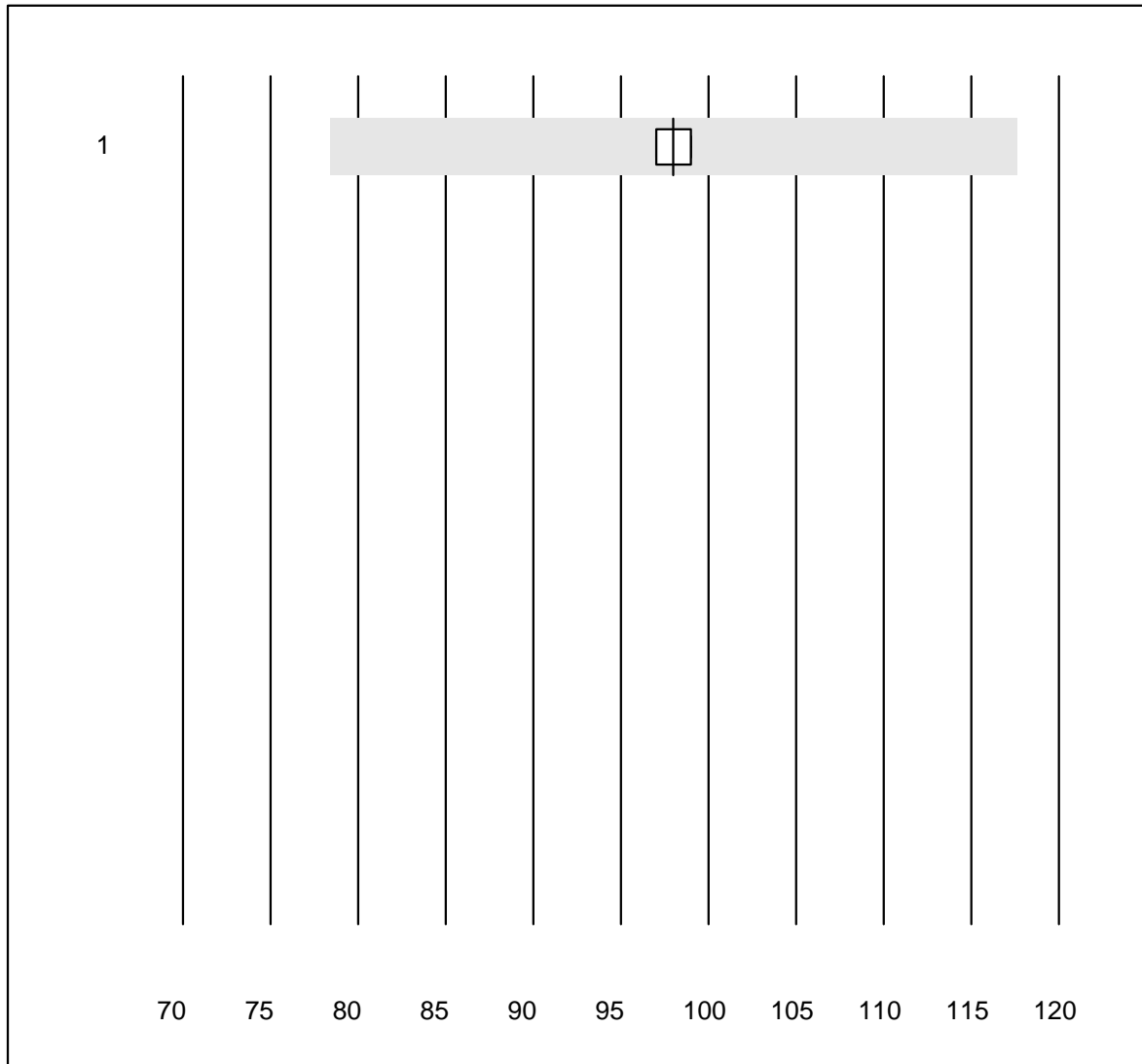


QUALAB tolerance : 10 %

Lactate-BG (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Cobas b121/123/221	6	83.3	16.7	0.0	11.95	6.8	e*
2	EPOC	21	62.0	19.0	19.0	10.48	8.0	e*
3	iStat	9	100.0	0.0	0.0	10.94	1.6	e

sO2

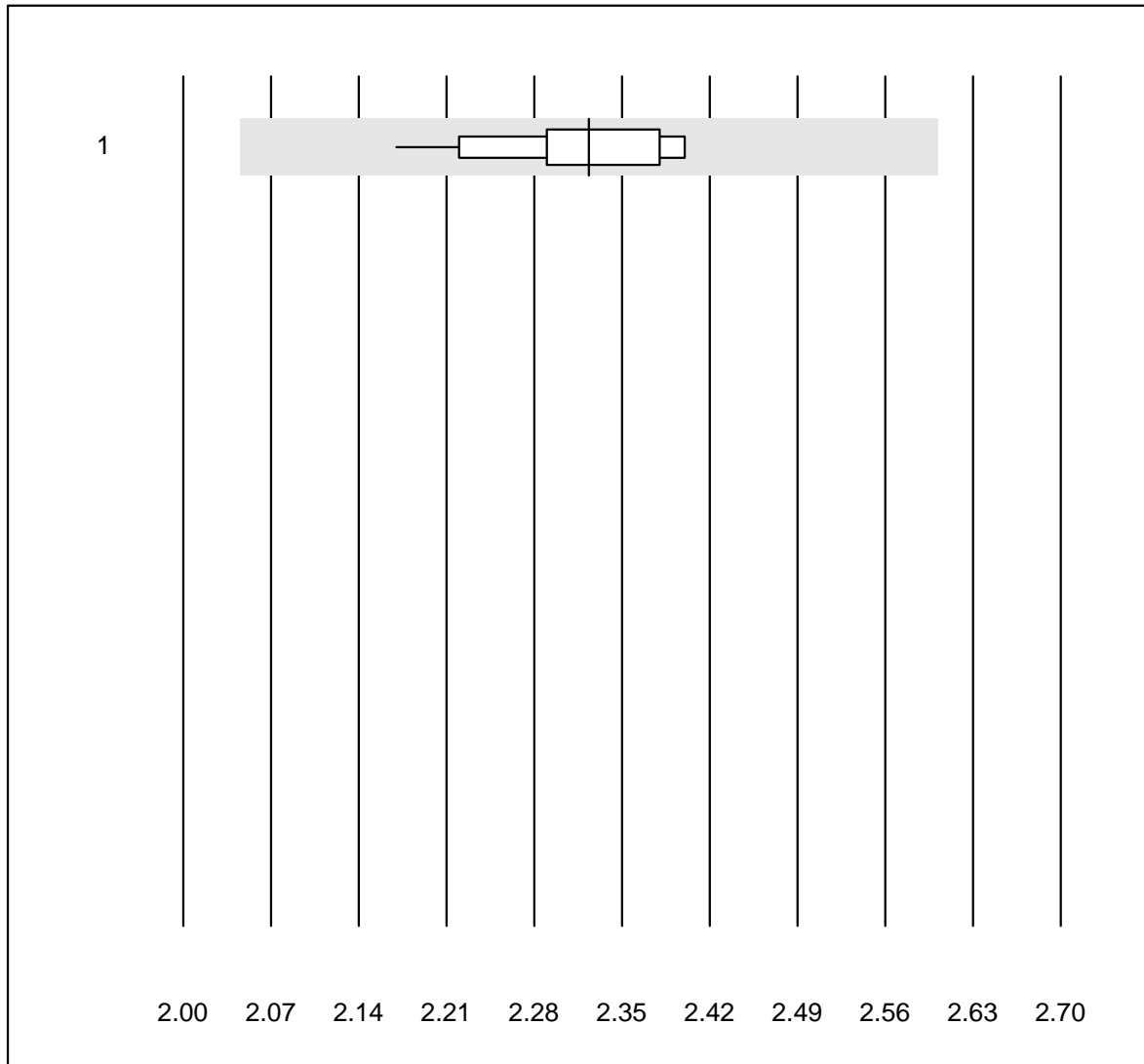


QUALAB tolerance : 20 %

sO2 (%)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	iStat	7	100.0	0.0	0.0	98.000	0.8	e

Calcium - Urine

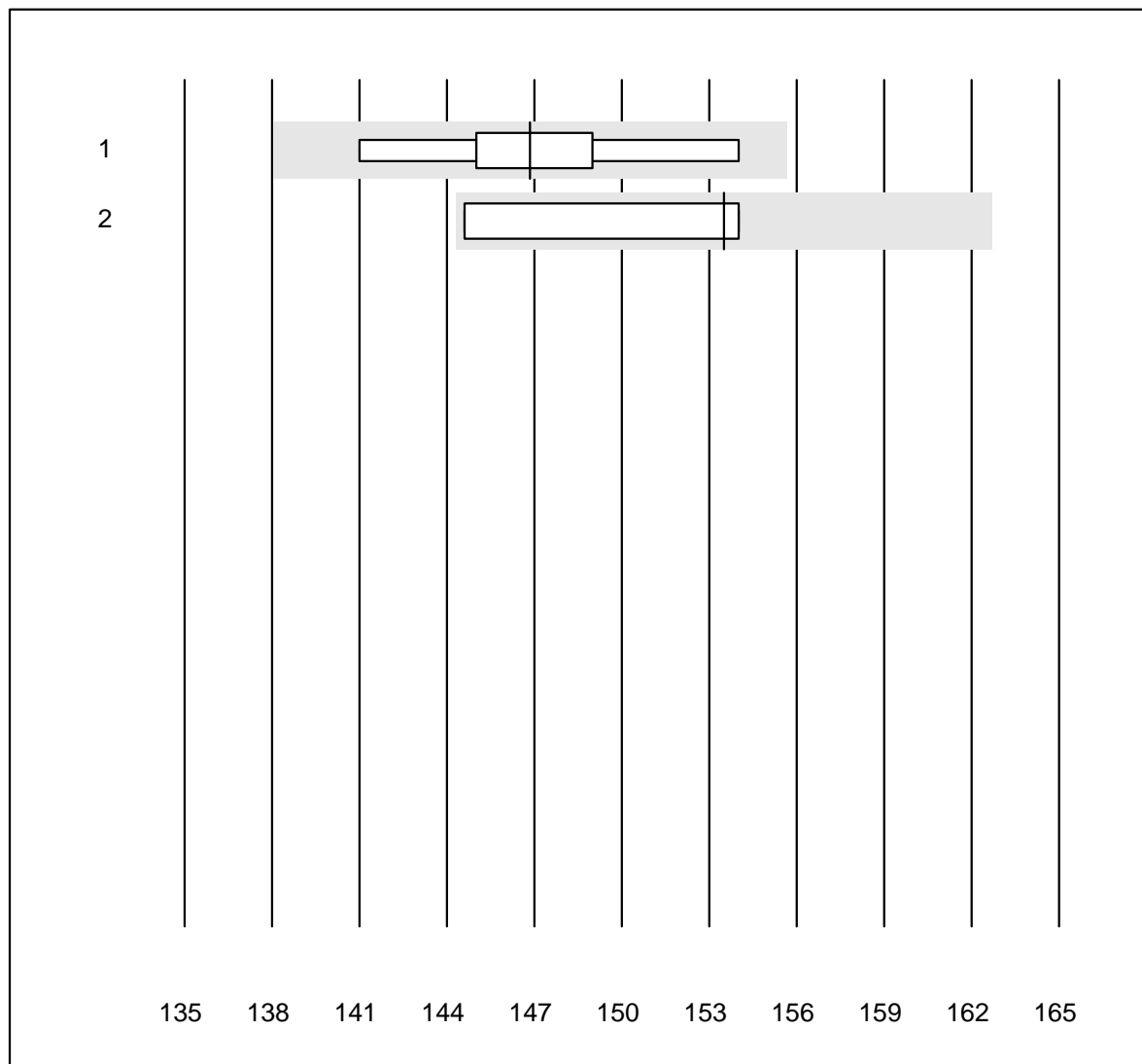


QUALAB tolerance : 12 %

Calcium - Urine (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Type
1	Standard chemistry	13	100.0	0.0	0.0	2.32	3.2	e

Chloride - Urine

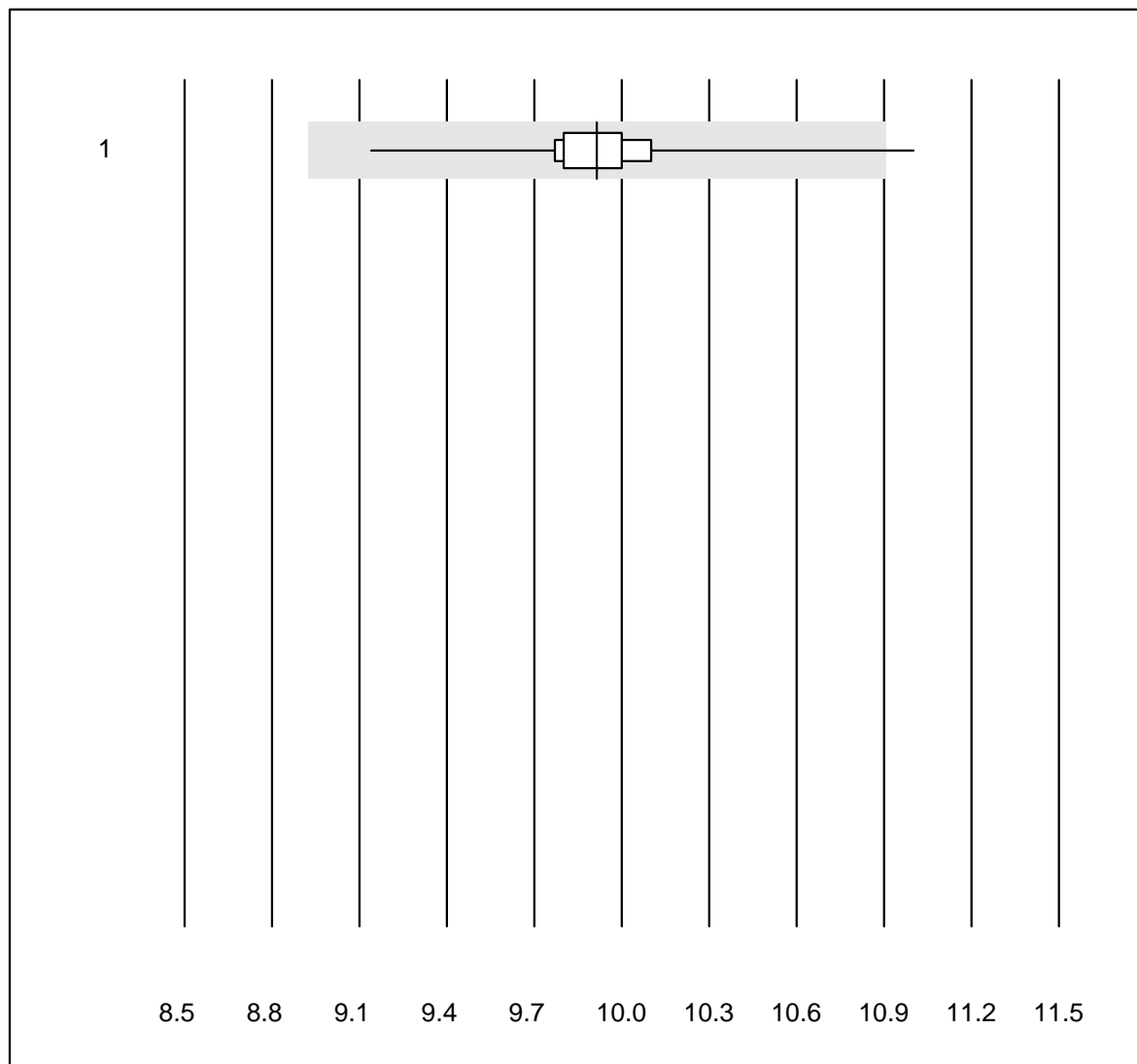


QUALAB tolerance : 6 %

Chloride - Urine (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Standard chemistry	6	100.0	0.0	0.0	147	2.9	e*
2	ISE	4	100.0	0.0	0.0	154	3.0	e*

Glucose - Urine

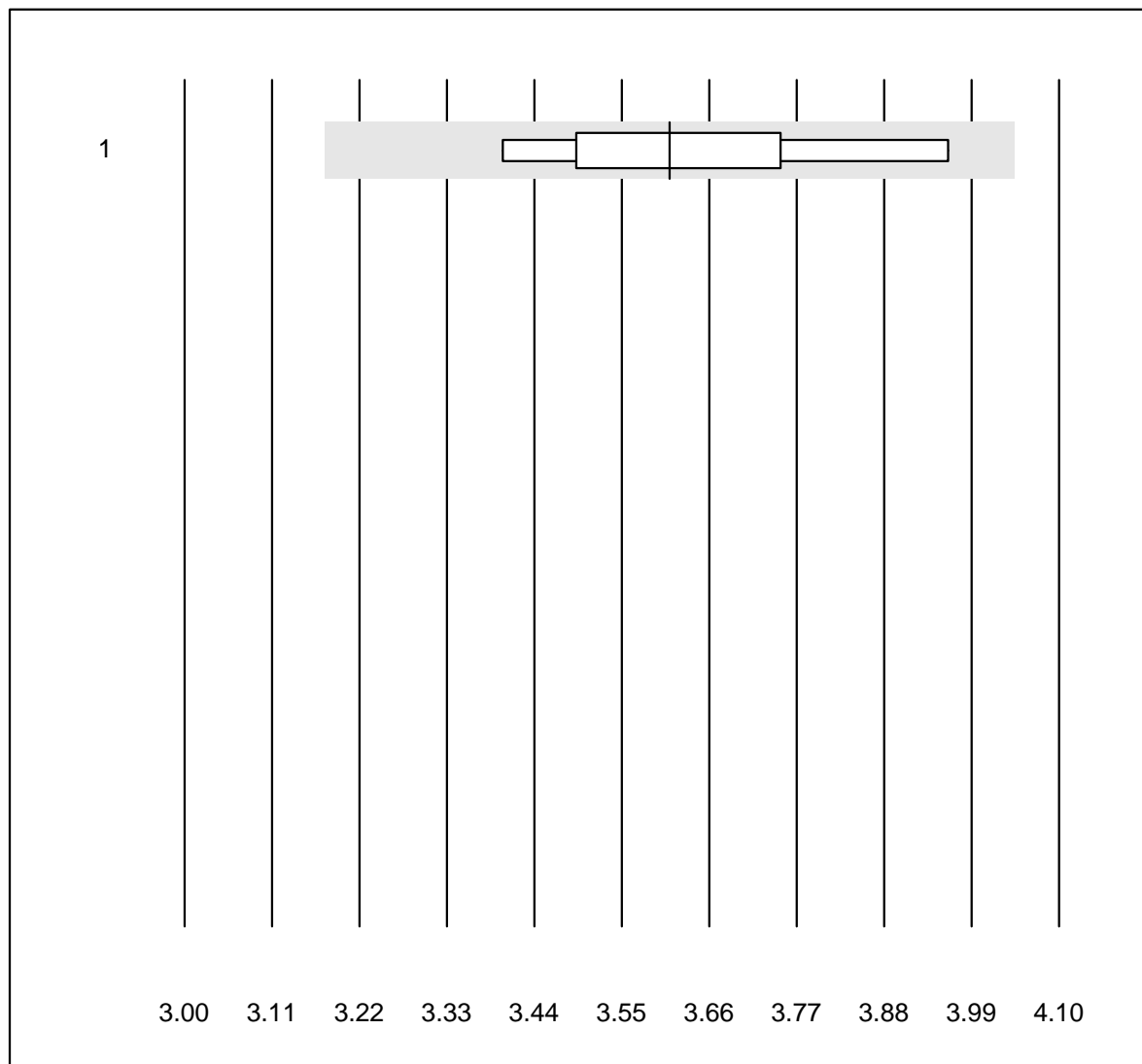


QUALAB tolerance : 10 %

Glucose - Urine (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Standard chemistry	13	92.3	7.7	0.0	9.9	4.1	e

Magnesium - Urine

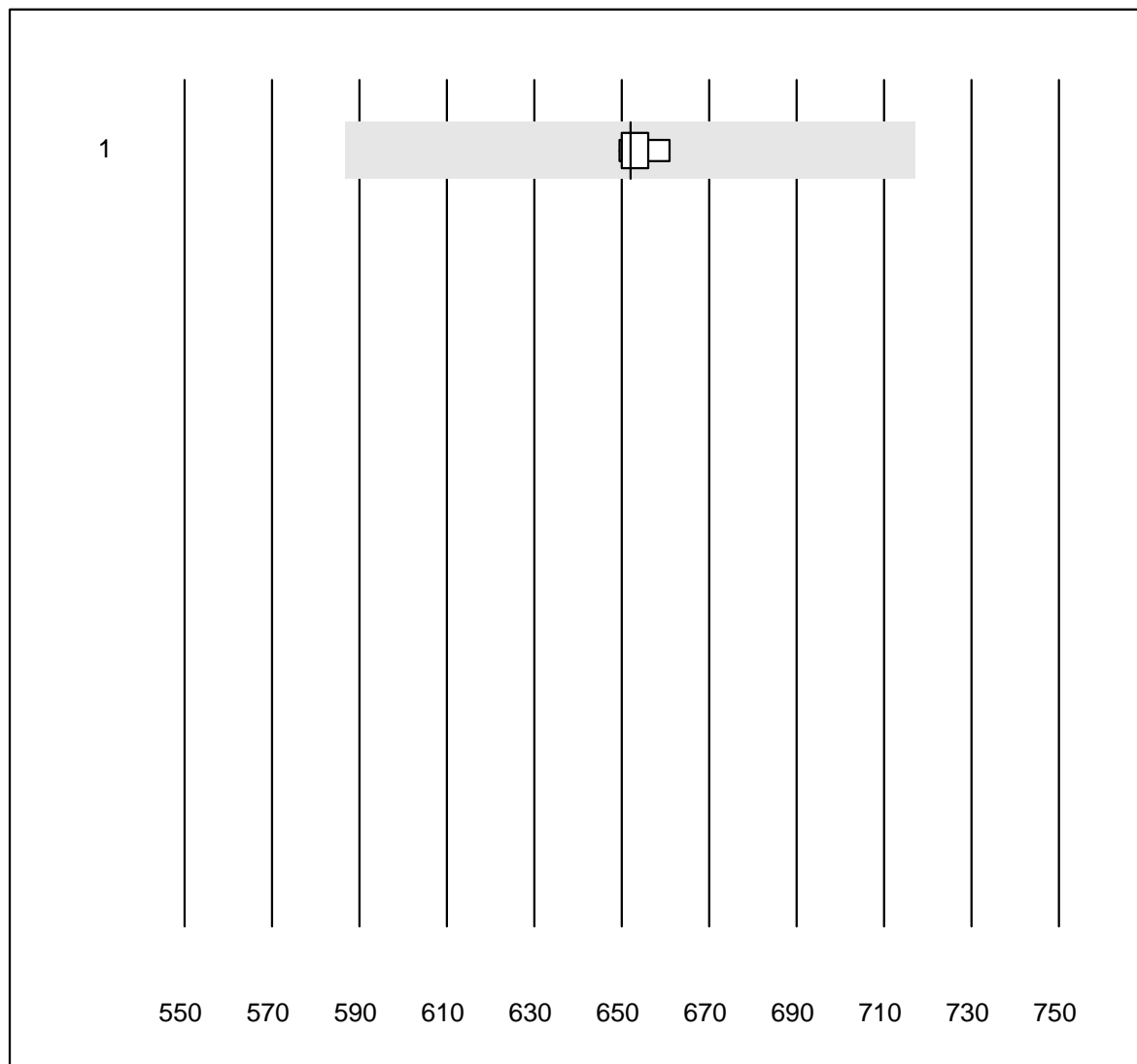


QUALAB tolerance : 12 %

Magnesium - Urine (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Standard chemistry	8	100.0	0.0	0.0	3.61	5.5	e*

Osmolality - Urine

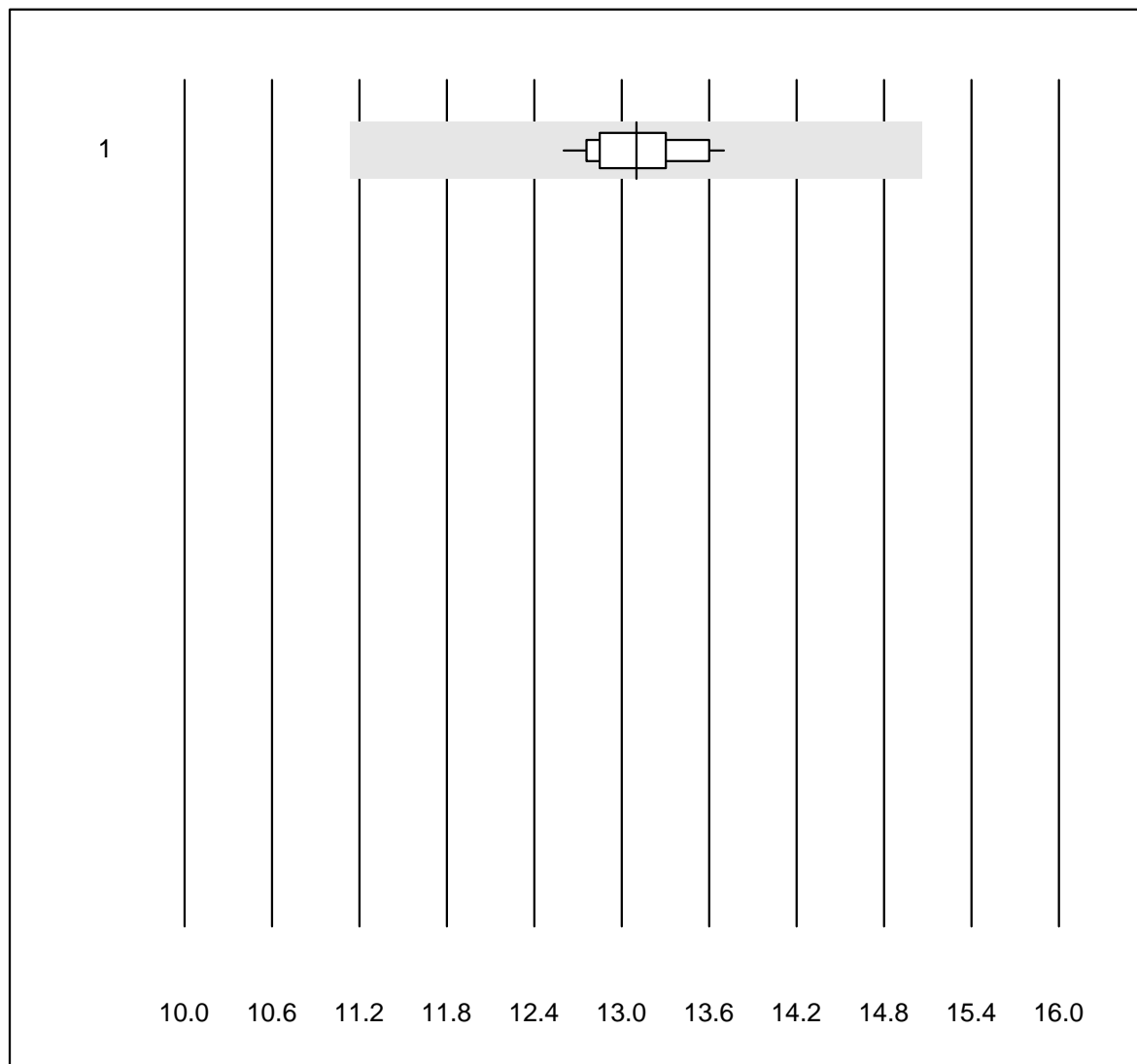


QUALAB tolerance : 10 %

Osmolality - Urine (mosm/kg)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Type
1	Cryoscopy	7	100.0	0.0	0.0	652	0.6	e

Phosphate - Urine

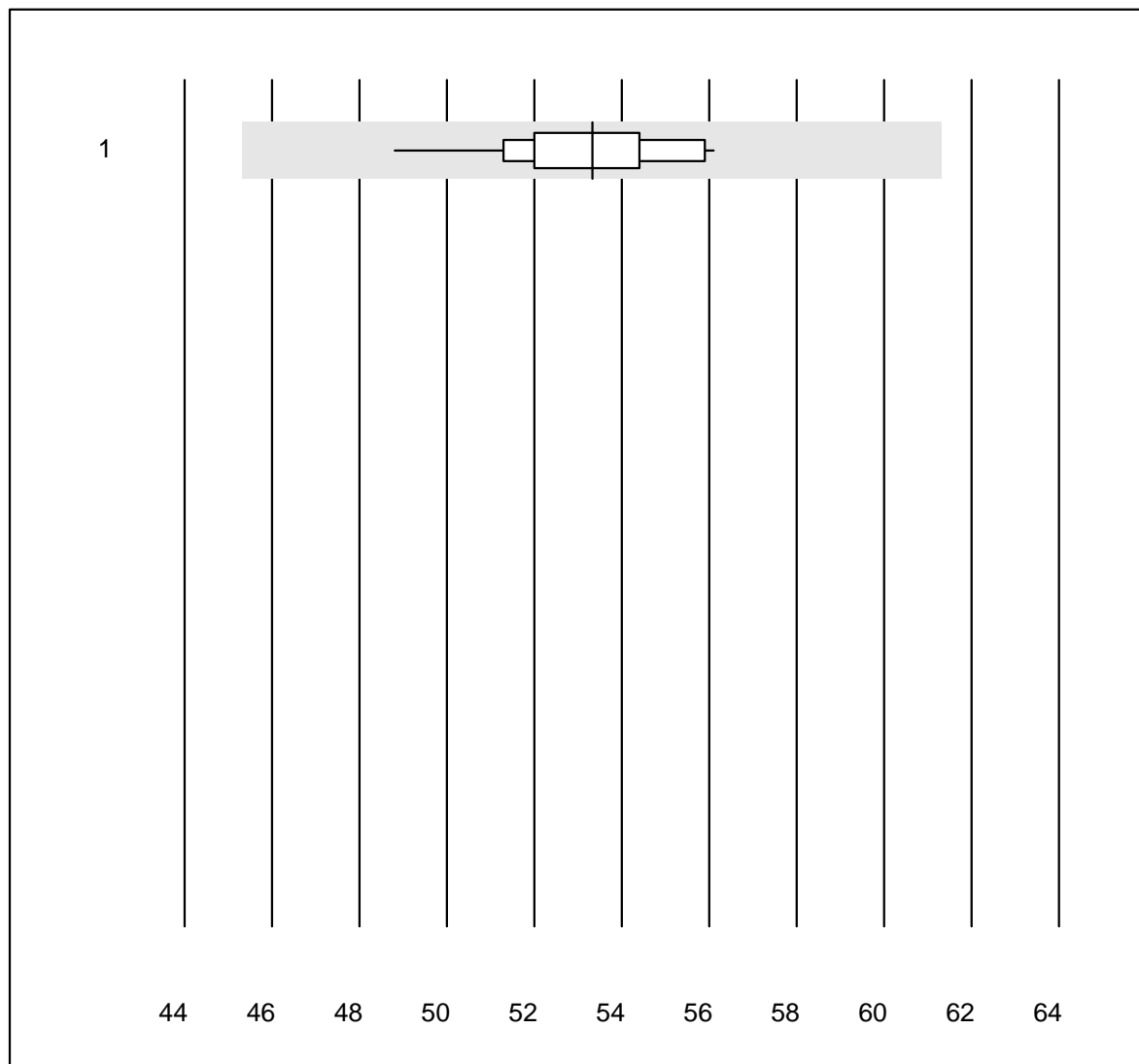


QUALAB tolerance : 15 %

Phosphate - Urine (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Type
1	Standard chemistry	13	100.0	0.0	0.0	13.1	2.5	e

Potassium - Urine

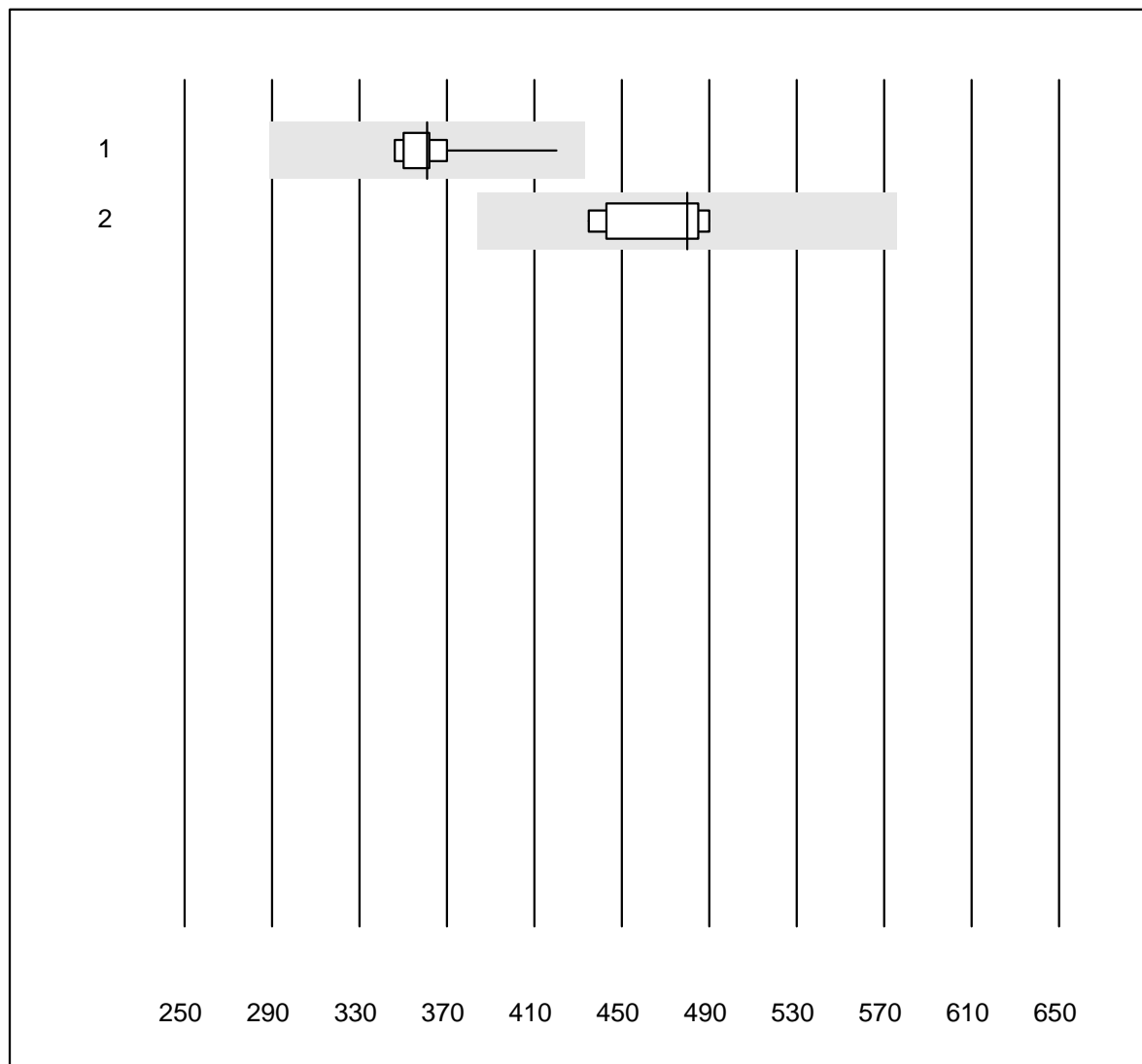


QUALAB tolerance : 15 %

Potassium - Urine (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Type
1	all Participants	19	100.0	0.0	0.0	53	3.5	e

total Protein - Urine

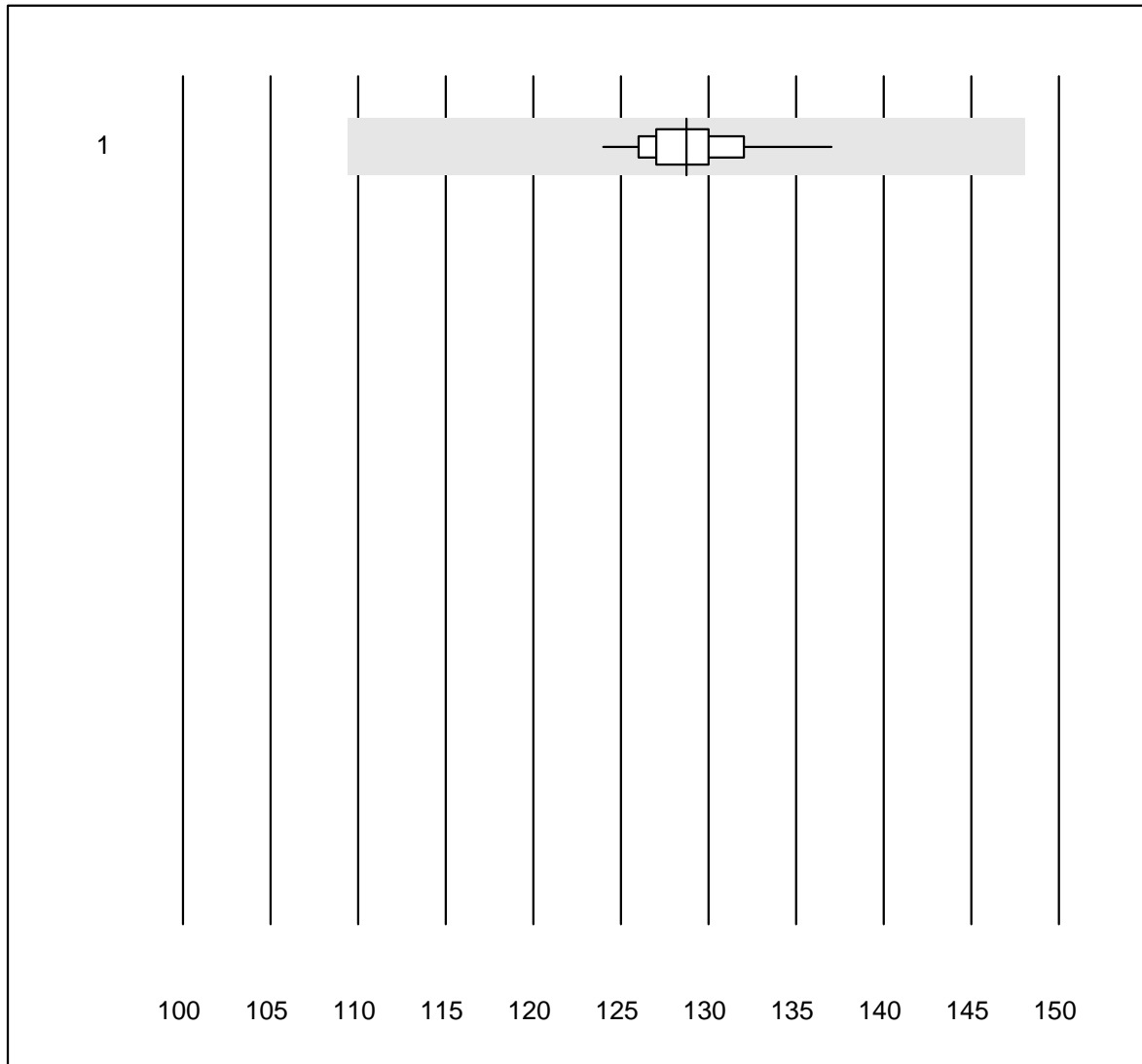


QUALAB tolerance : 20 %

total Protein - Urine (mg/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Cobas/Roche	13	100.0	0.0	0.0	360.8	5.4	e
2	Standard chemistry	5	100.0	0.0	0.0	480.0	5.5	e*

Sodium - Urine

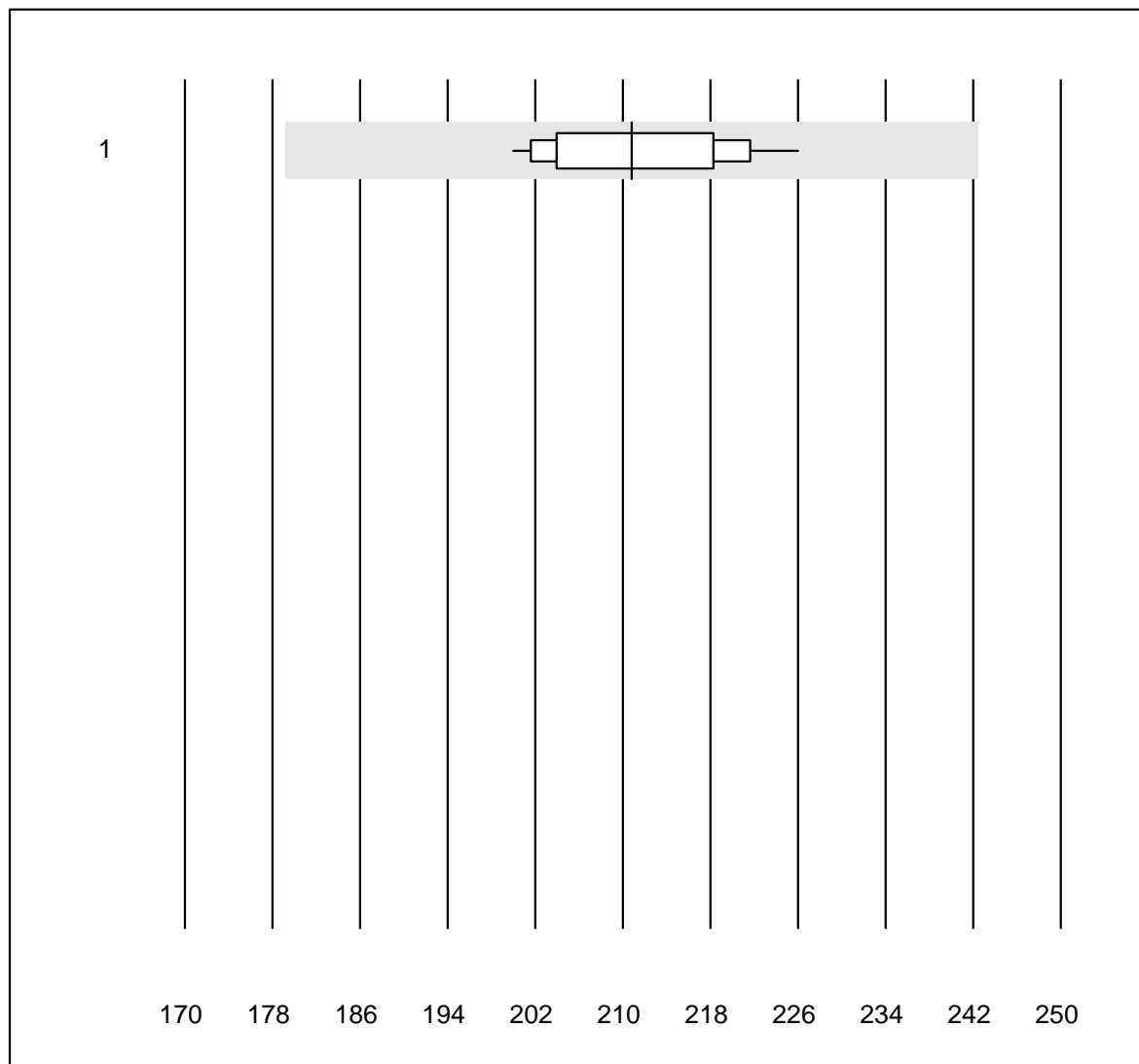


QUALAB tolerance : 15 %

Sodium - Urine (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Type
1	all Participants	19	100.0	0.0	0.0	129	2.2	e

Urea - Urine

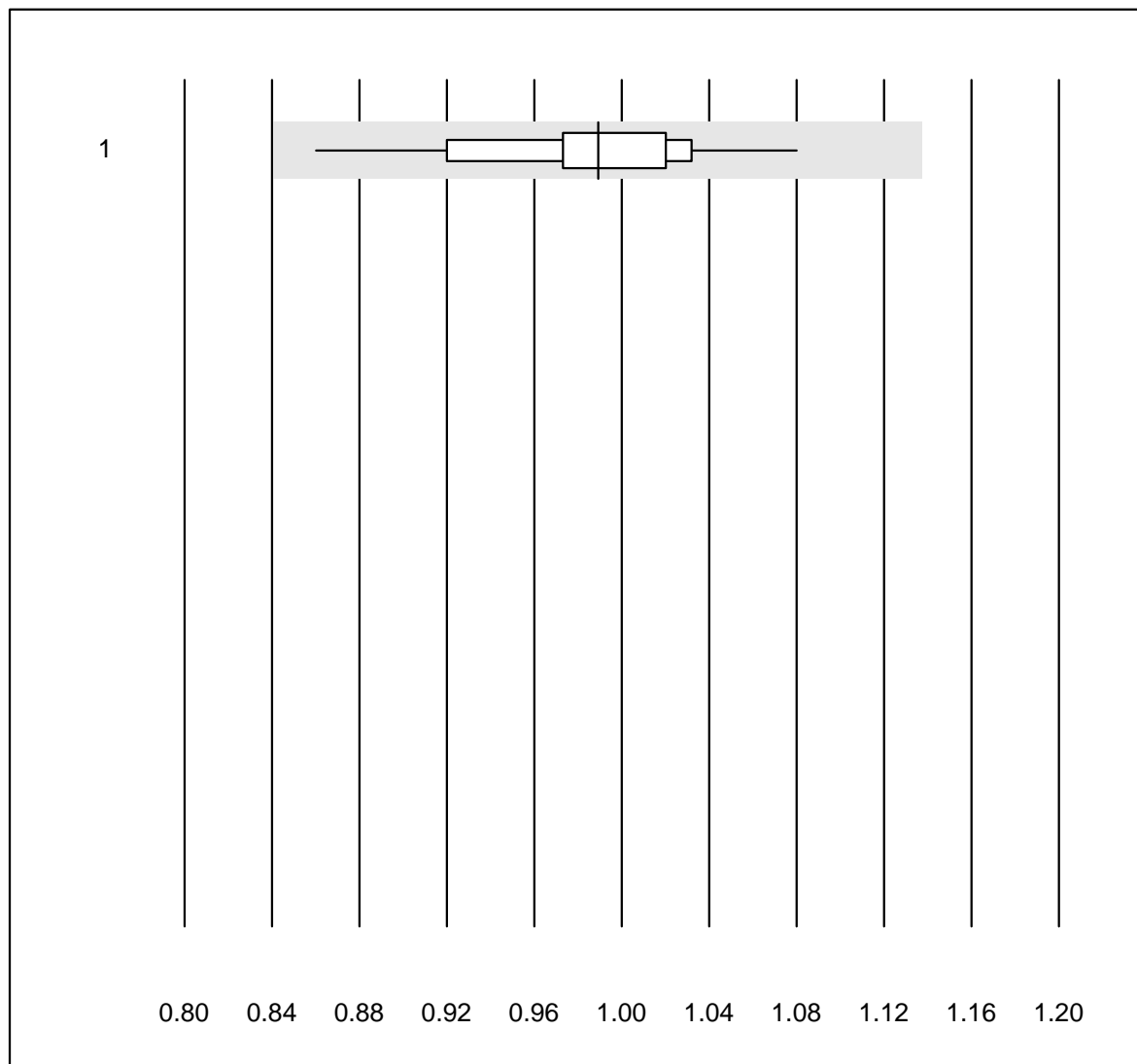


QUALAB tolerance : 15 %

Urea - Urine (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Standard chemistry	14	100.0	0.0	0.0	211	4.1	e

Uric Acid - Urine

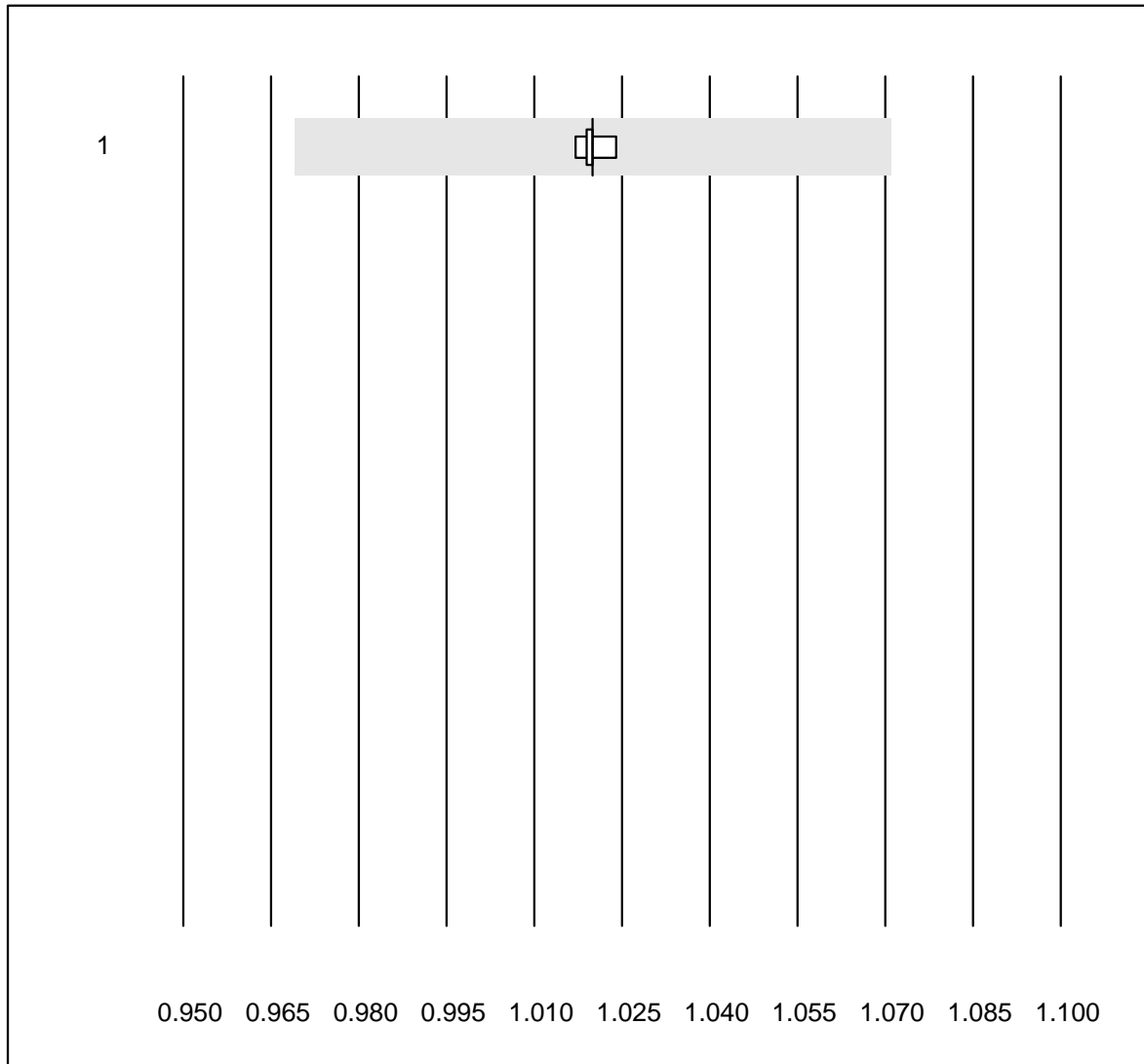


QUALAB tolerance : 15 %

Uric Acid - Urine (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Standard chemistry	13	100.0	0.0	0.0	0.99	5.5	e

Specific Gravity - Urine

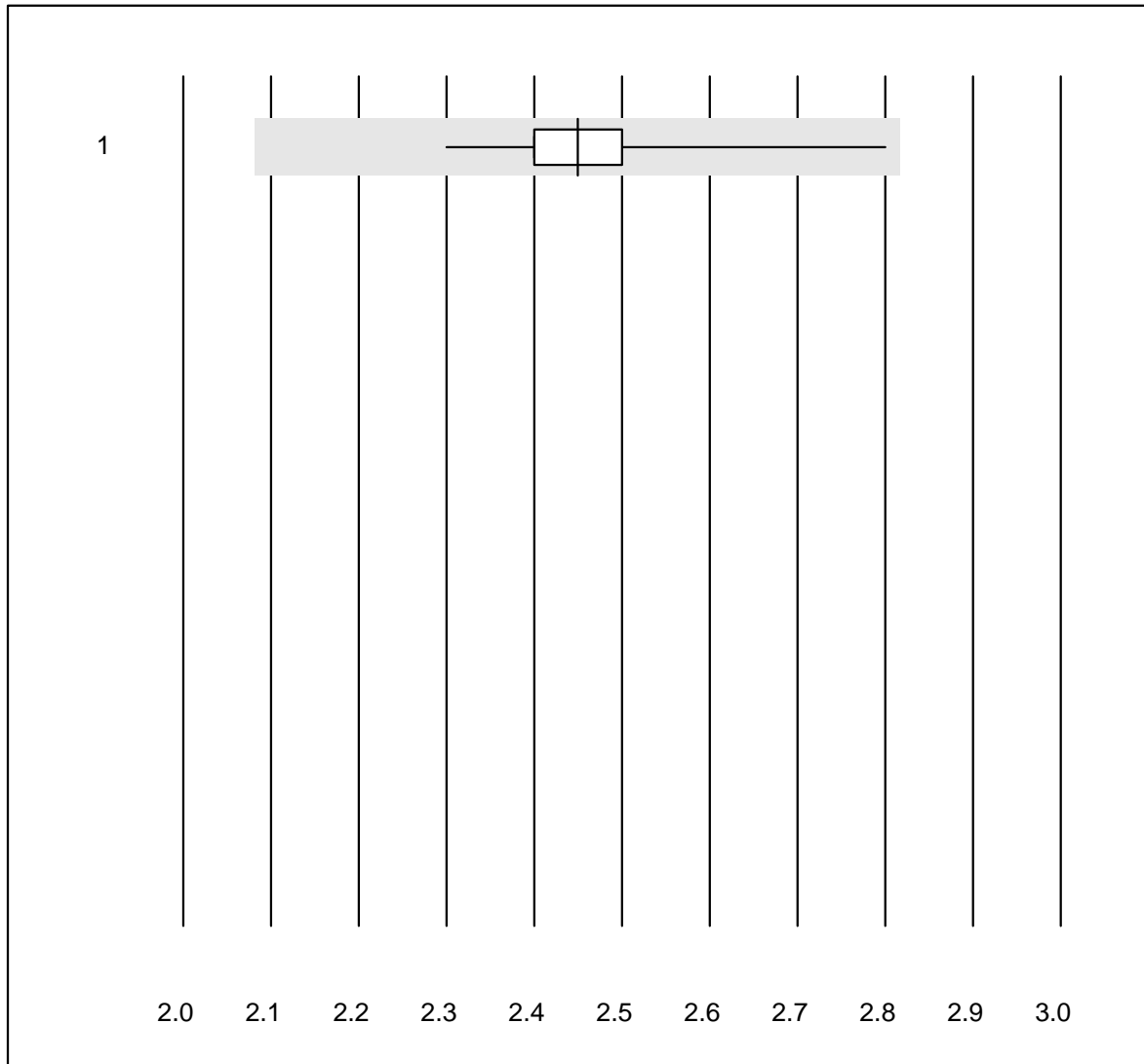


QUALAB tolerance : 5 %

Specific Gravity - Urine ()

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Type
1	Refractometer	7	100.0	0.0	0.0	1.020	0.2	e

INR CoaguChek



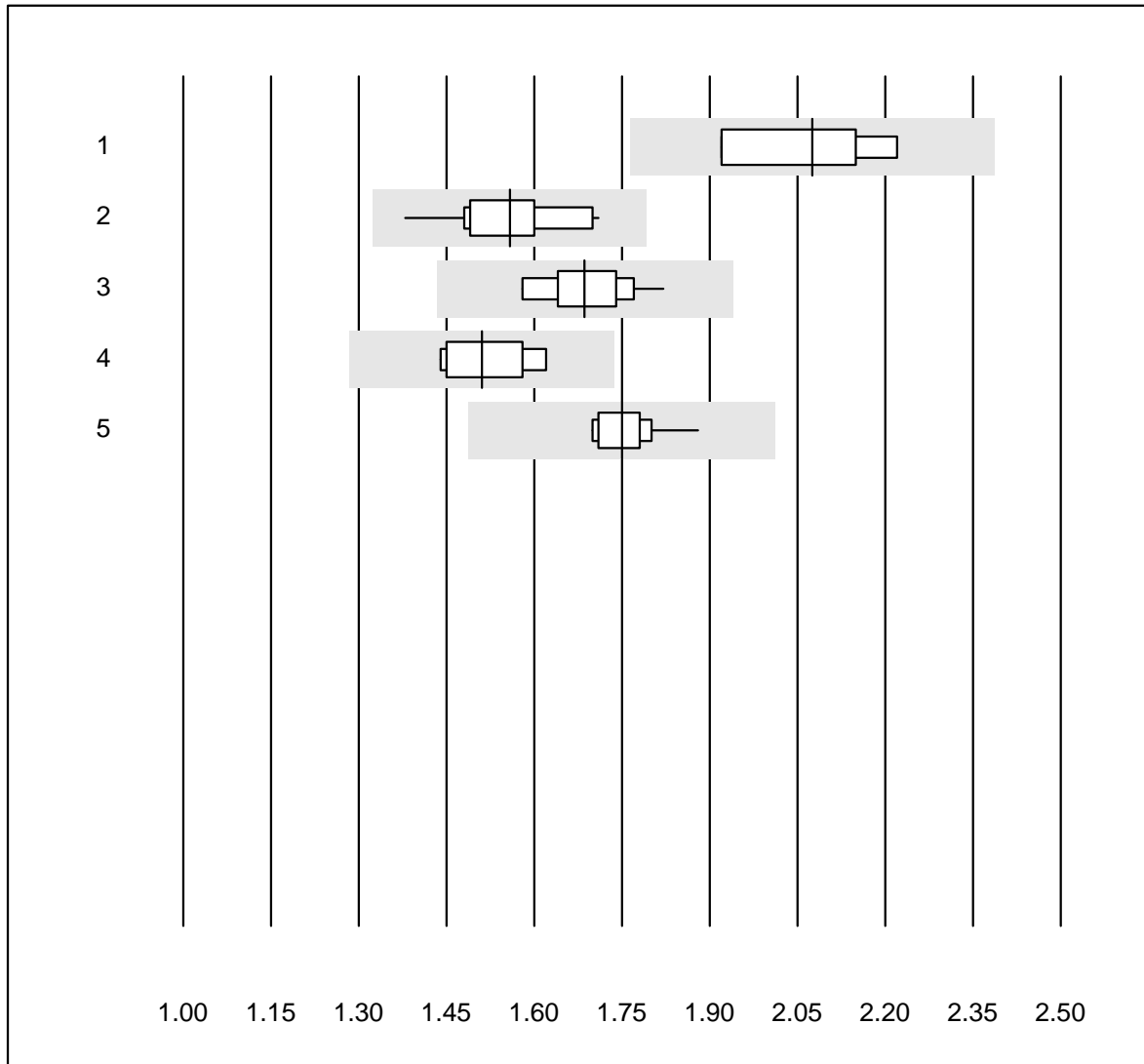
QUALAB tolerance : 15 %

INR CoaguChek ()

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Type
1	CoaguChek Pro II	62	100.0	0.0	0.0	2.4	3.1	e

G1 Coagulation INR

INR

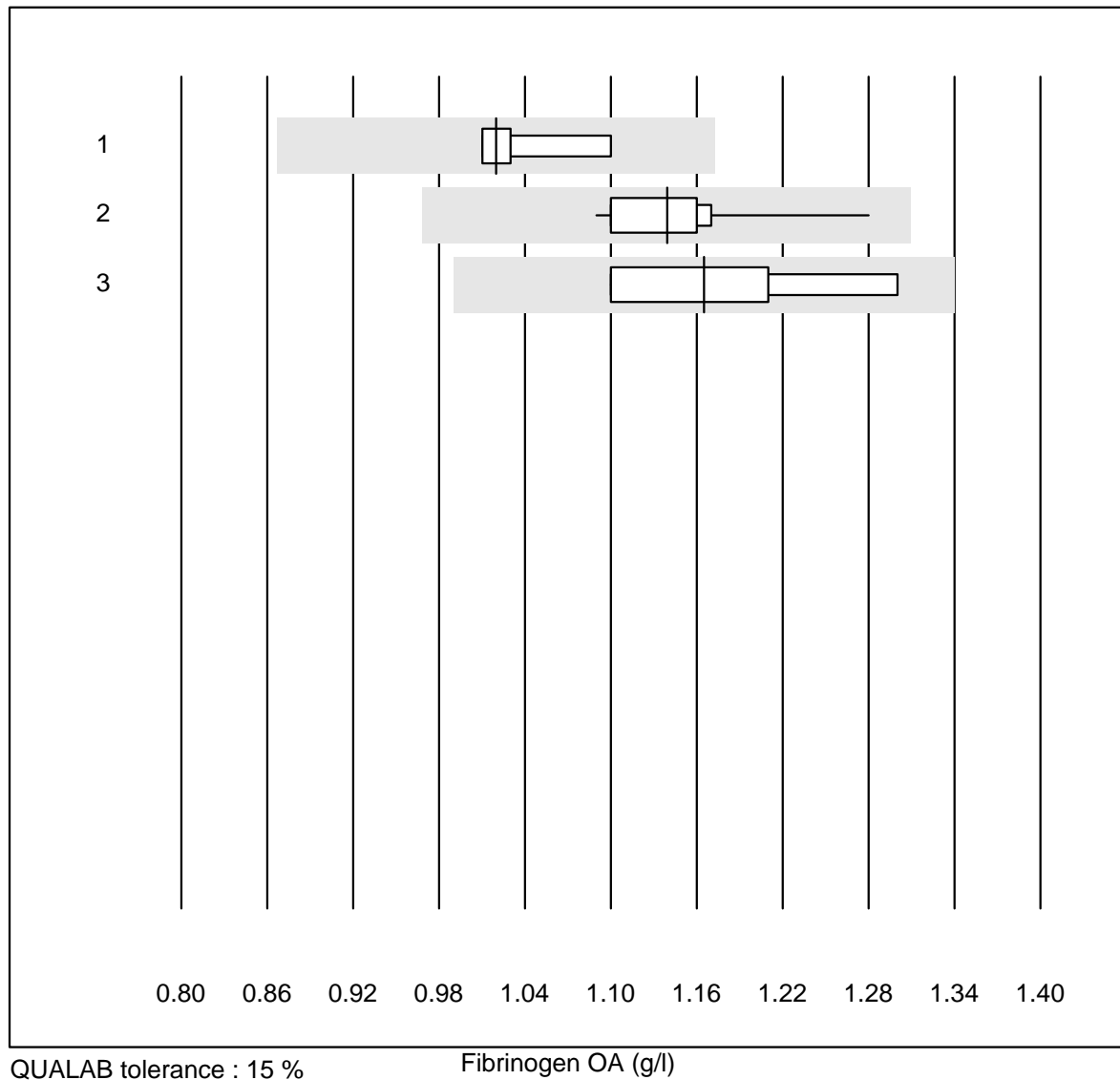


QUALAB tolerance : 15 %

INR ()

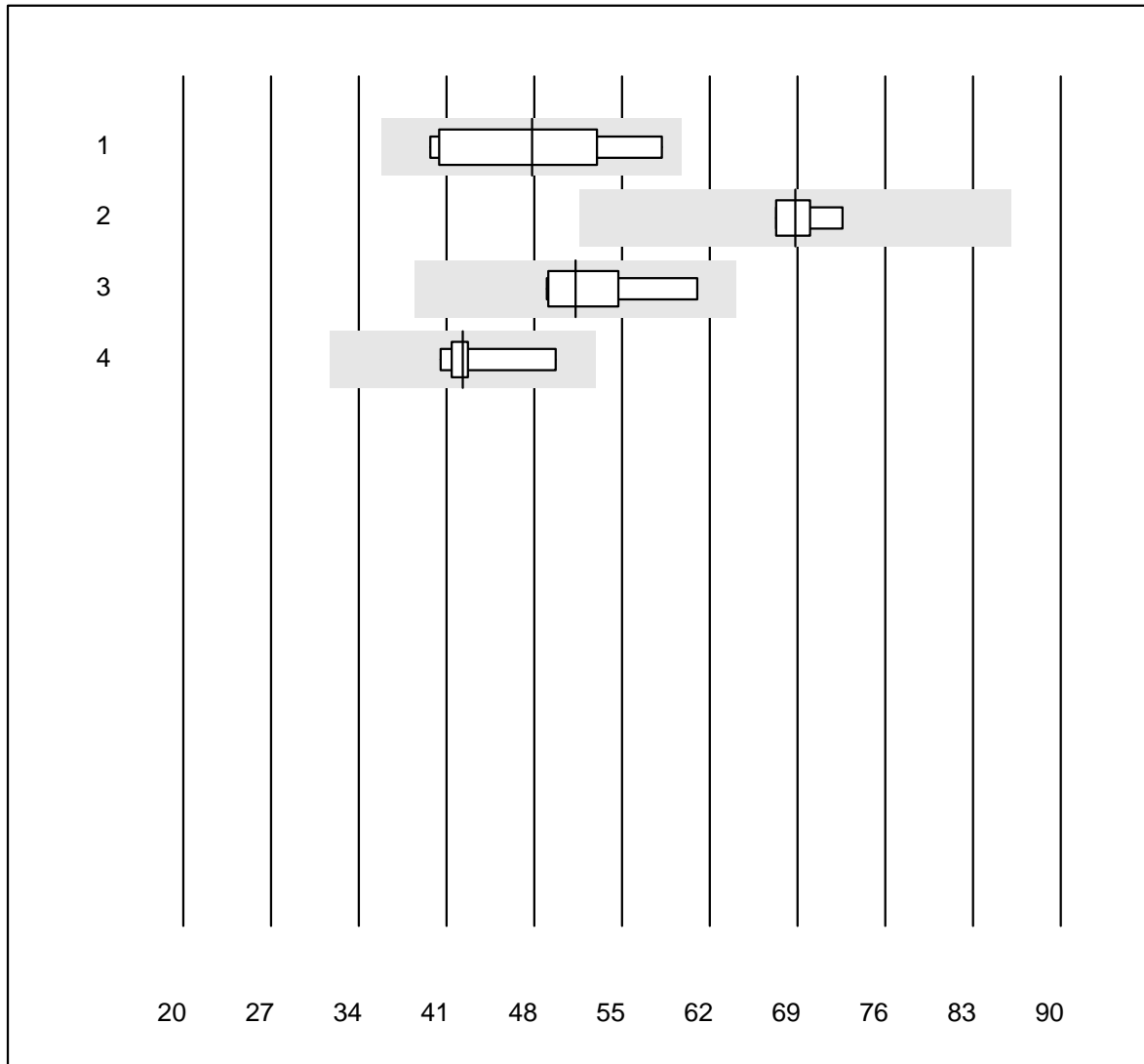
No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Neoplastin Plus	4	100.0	0.0	0.0	2.08	6.6	e*
2	Innovin	15	100.0	0.0	0.0	1.56	5.6	e
3	Recombiplastin 2G	10	100.0	0.0	0.0	1.69	4.6	e
4	Eurolyser	6	100.0	0.0	0.0	1.51	5.1	e*
5	Neoplastin R	10	100.0	0.0	0.0	1.75	3.3	e

Fibrinogen OA



No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Siemens Thrombin	4	100.0	0.0	0.0	1.02	4.1	e*
2	Stago/STA	11	100.0	0.0	0.0	1.14	4.8	e
3	Fibrinogen Q.F.A.	4	100.0	0.0	0.0	1.17	7.8	e*

Activated Prothrombin Time

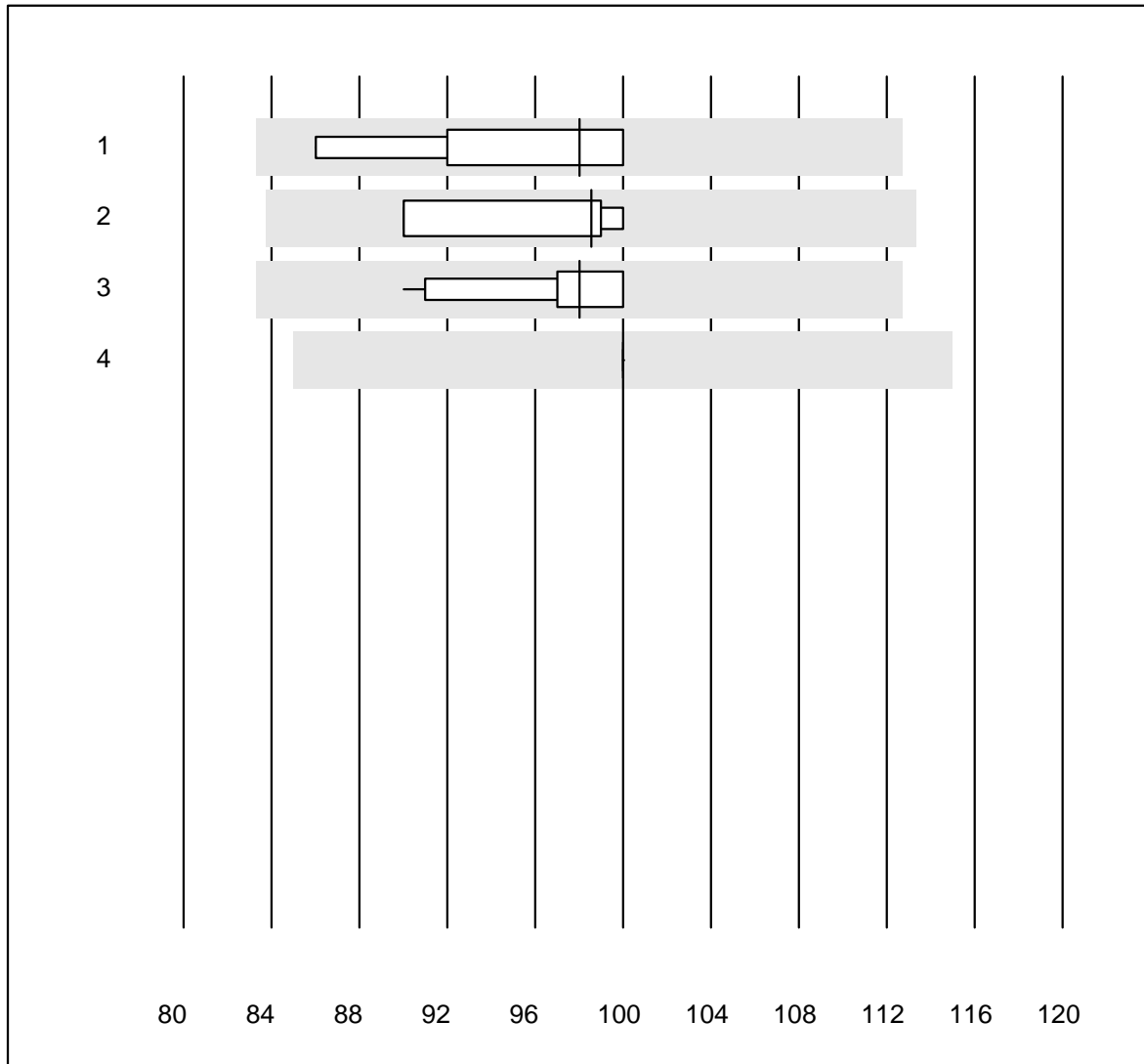


QUALAB tolerance : 25 %

Activated Prothrombin Time (Sek)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Actin FS	8	100.0	0.0	0.0	47.8	13.5	e*
2	Pathromtin SL	4	100.0	0.0	0.0	68.9	3.5	e
3	Stago/STA	8	100.0	0.0	0.0	51.3	7.7	e
4	aPTT-SP	8	100.0	0.0	0.0	42.3	6.7	e

Prothrombin time NT

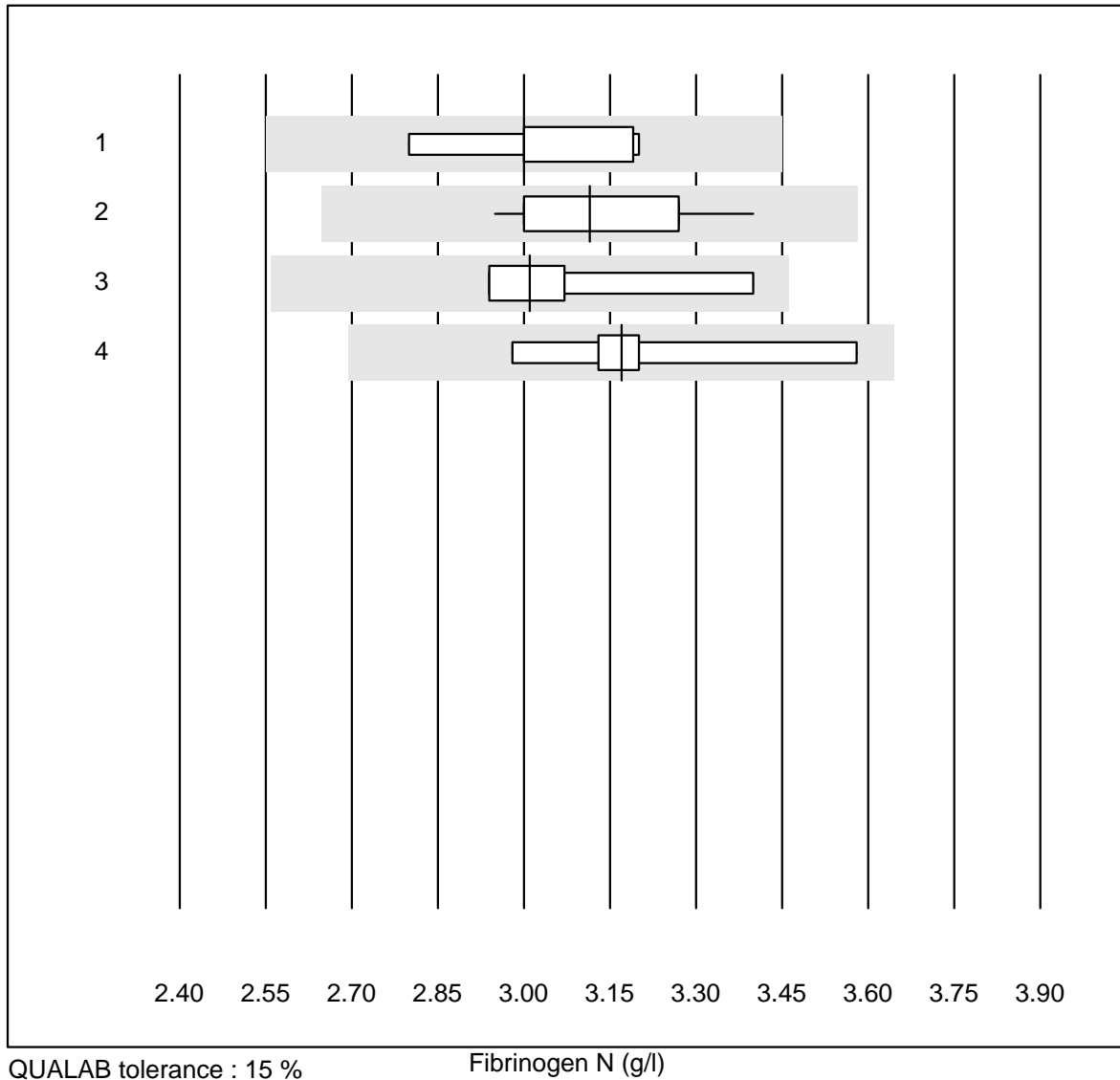


QUALAB tolerance : 15 %

Prothrombin time NT (%)

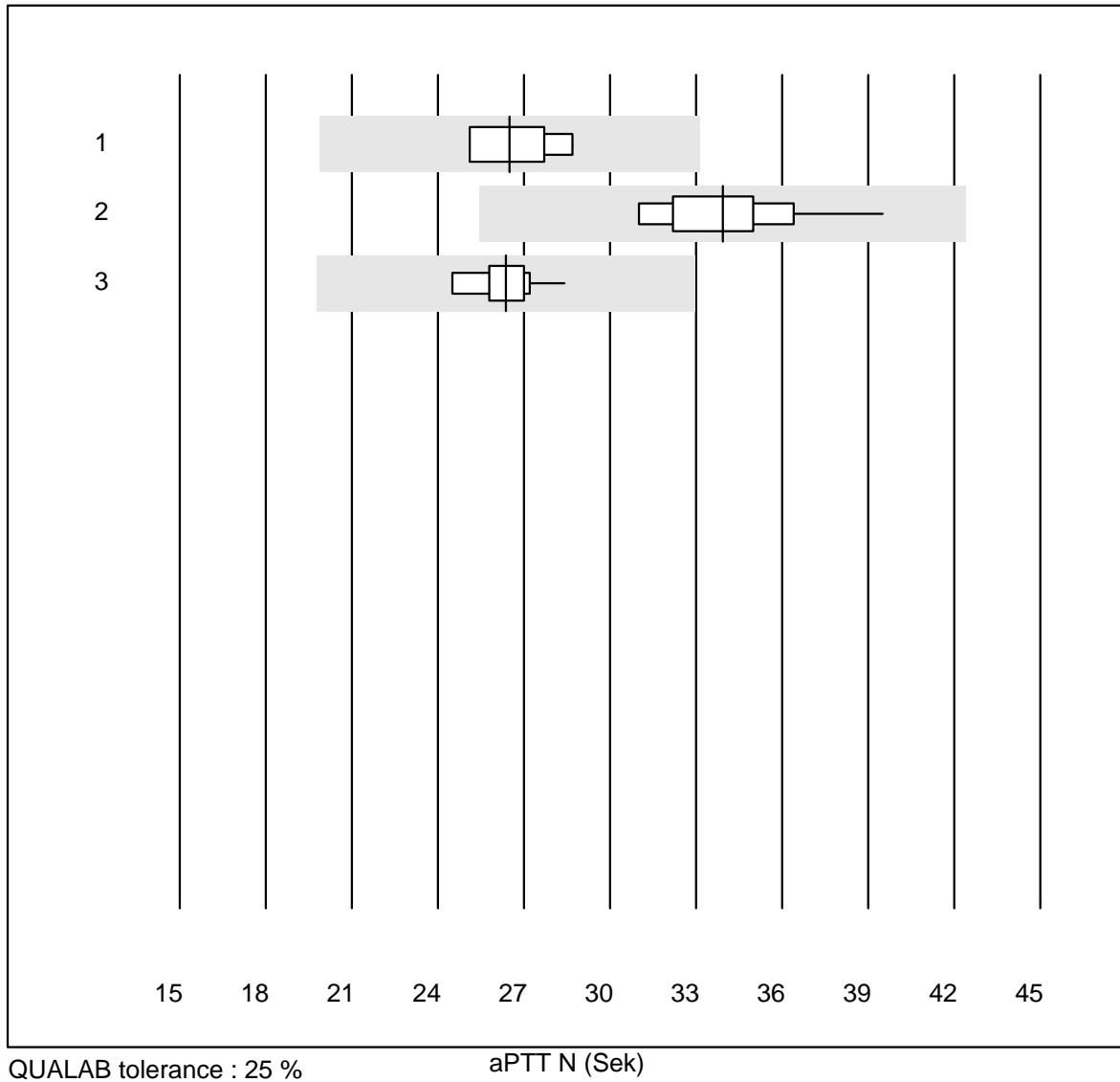
No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Neoplastin R	7	100.0	0.0	0.0	98	5.4	e*
2	Neoplastin Plus	4	100.0	0.0	0.0	99	4.7	e*
3	Innovin	11	100.0	0.0	0.0	98	3.9	e
4	Recombiplastin 2G	11	100.0	0.0	0.0	100	0.0	e

Fibrinogen N



No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Siemens Thrombin	6	83.3	0.0	16.7	3.00	5.4	e*
2	Stago/STA	12	100.0	0.0	0.0	3.11	4.8	e
3	Fibrinogen Q.F.A.	4	100.0	0.0	0.0	3.01	7.0	e*
4	Fib Clauss (IL)	5	100.0	0.0	0.0	3.17	6.9	e*

aPTT N

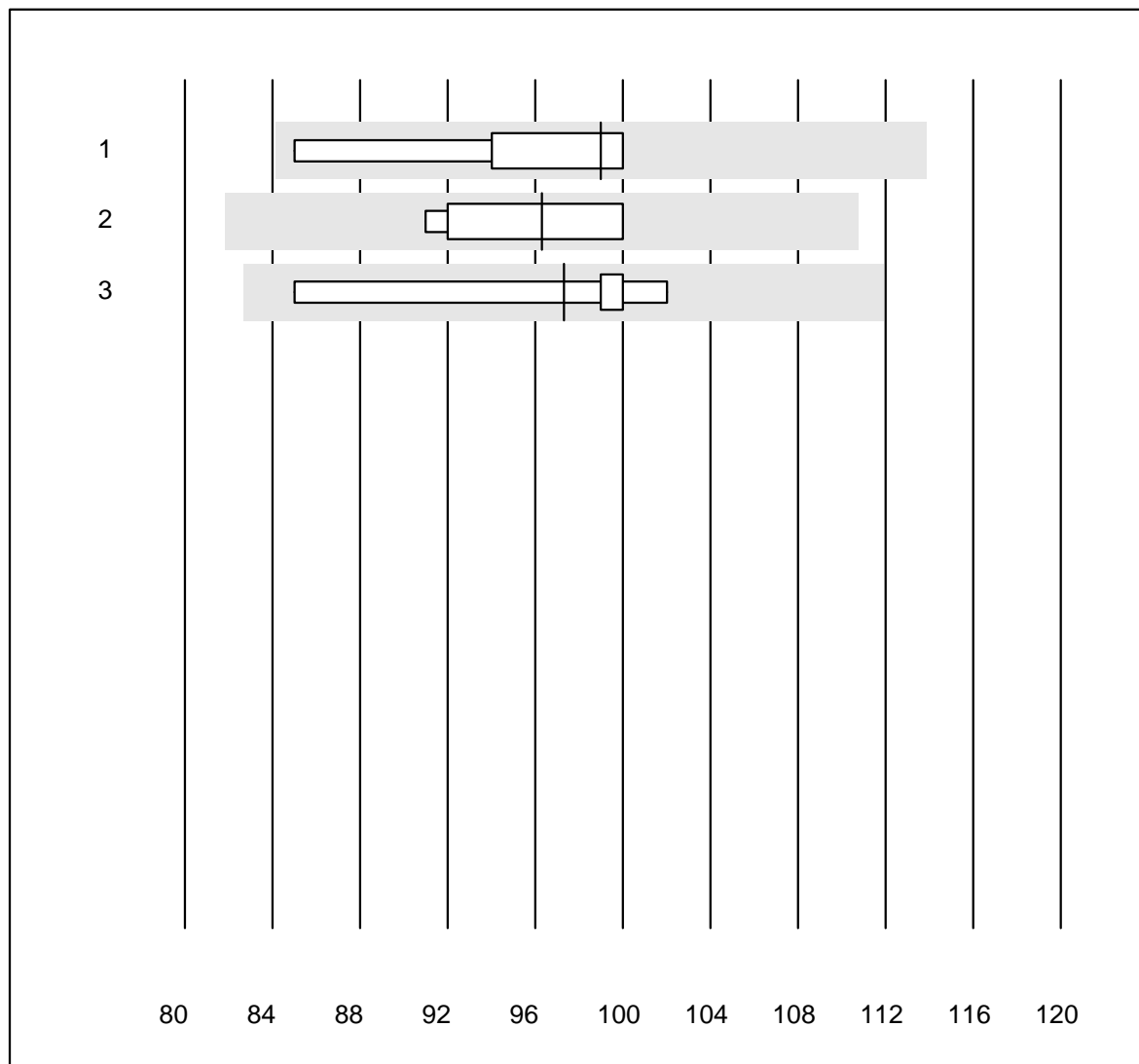


QUALAB tolerance : 25 %

aPTT N (Sek)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Actin FS	6	100.0	0.0	0.0	26.5	5.5	e
2	Stago/STA	10	100.0	0.0	0.0	33.9	7.4	e
3	aPTT-SP	10	100.0	0.0	0.0	26.4	4.3	e

Prothrombin time HT

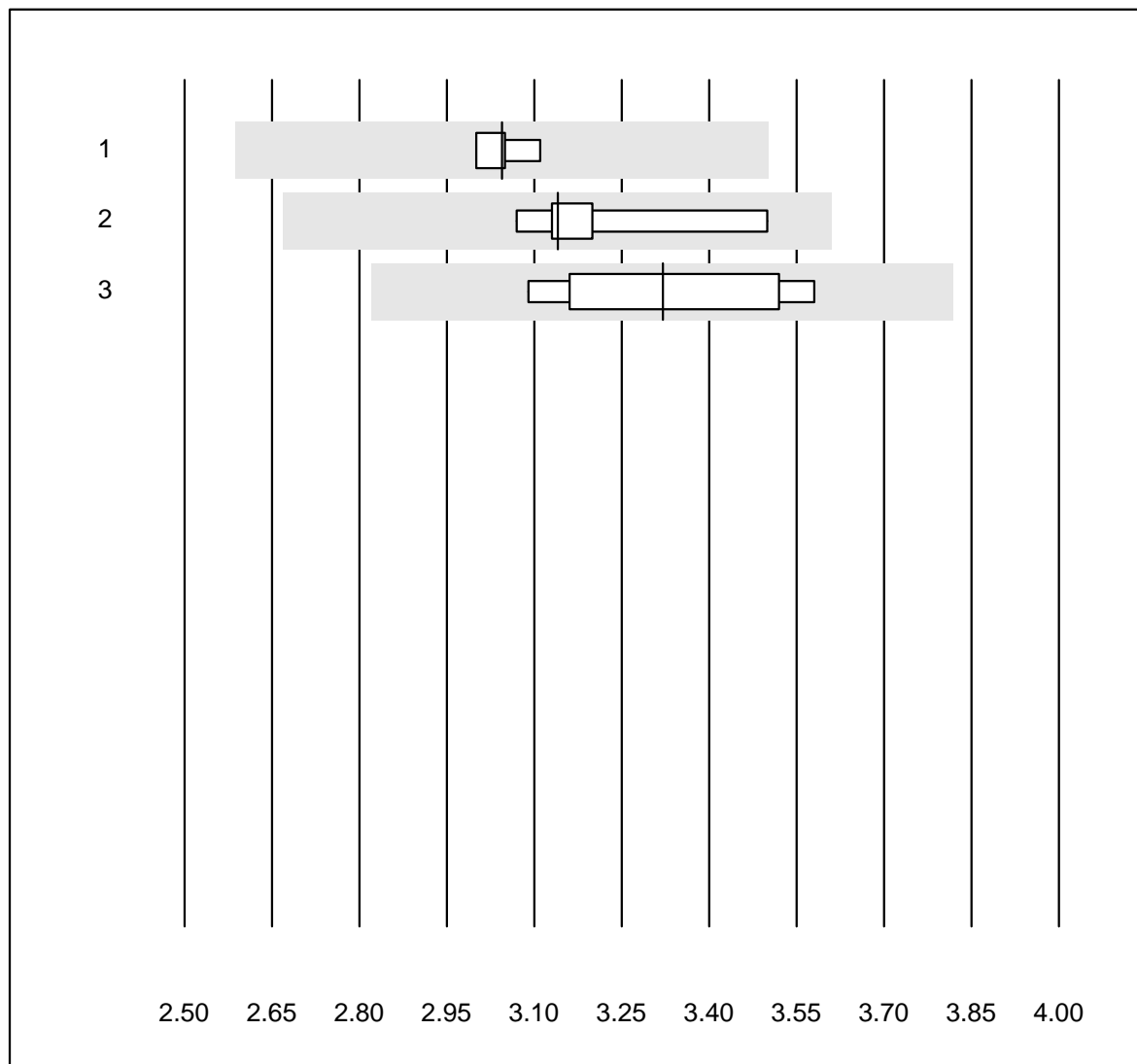


QUALAB tolerance : 15 %

Prothrombin time HT (%)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Neoplastin R	7	100.0	0.0	0.0	99	5.7	e*
2	Innovin	7	100.0	0.0	0.0	96	4.1	e
3	Recombiplastin 2G	10	100.0	0.0	0.0	97	6.5	e*

Fibrinogen H

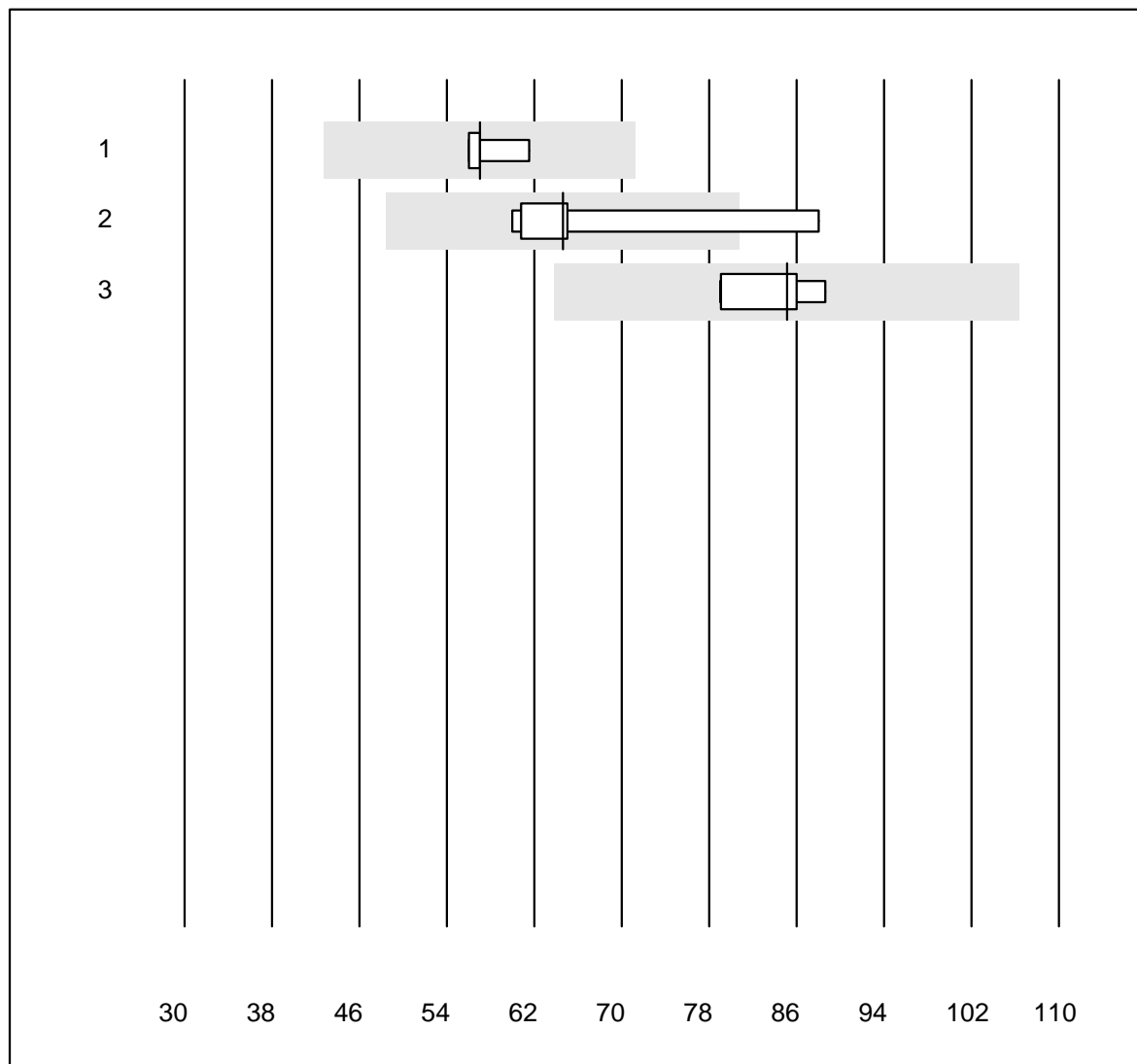


QUALAB tolerance : 15 %

Fibrinogen H (g/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Siemens Thrombin	4	100.0	0.0	0.0	3.05	1.5	e
2	Stago/STA	9	100.0	0.0	0.0	3.14	4.1	e
3	Fib Clauss (IL)	5	100.0	0.0	0.0	3.32	6.5	e*

aPTT H

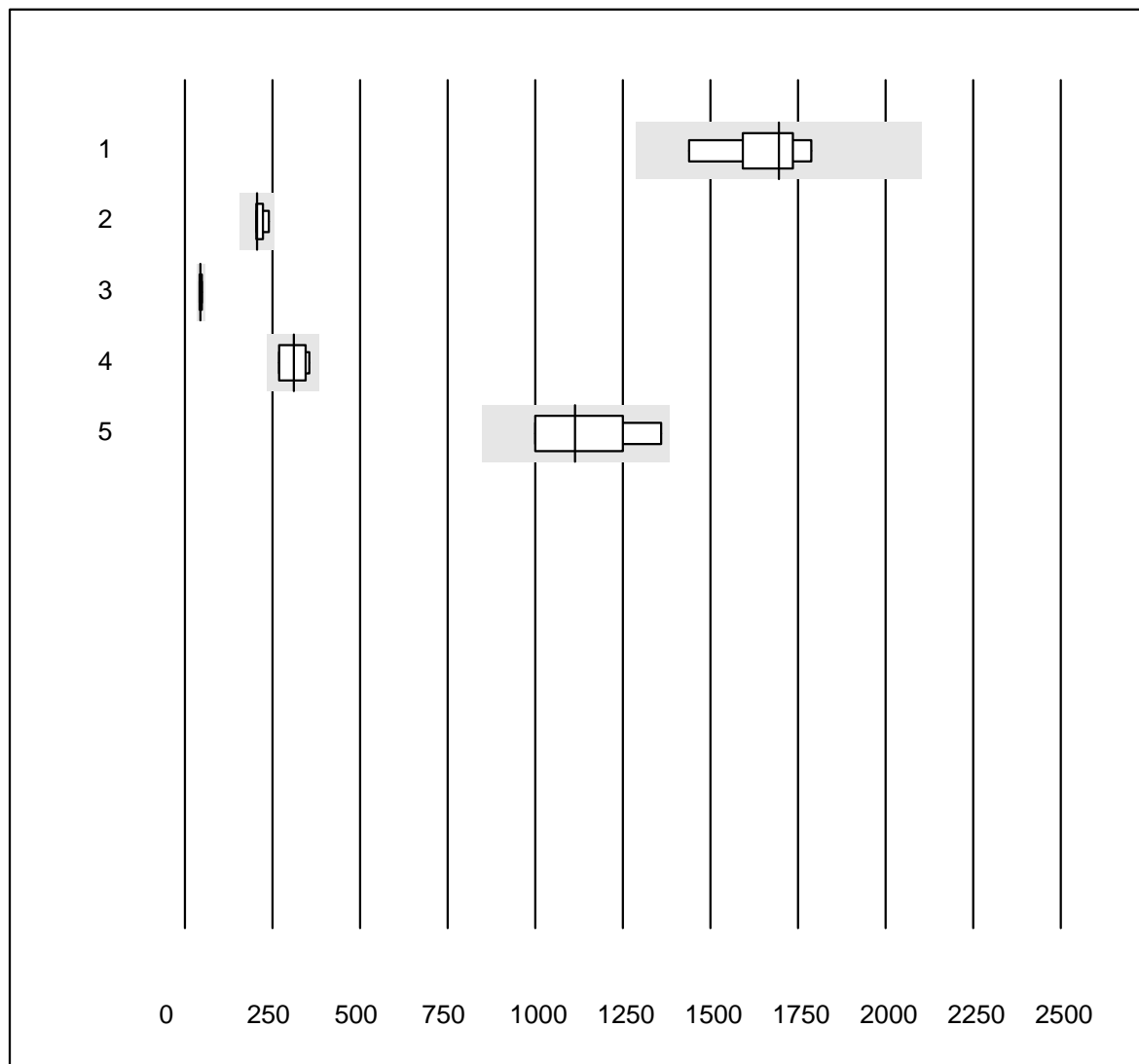


QUALAB tolerance : 25 %

aPTT H (Sek)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Actin FS	5	80.0	0.0	20.0	57.0	4.5	e
2	Stago/STA	7	71.4	14.3	14.3	64.6	15.6	e*
3	aPTT-SP	7	85.7	0.0	14.3	85.1	5.1	e

Troponin I

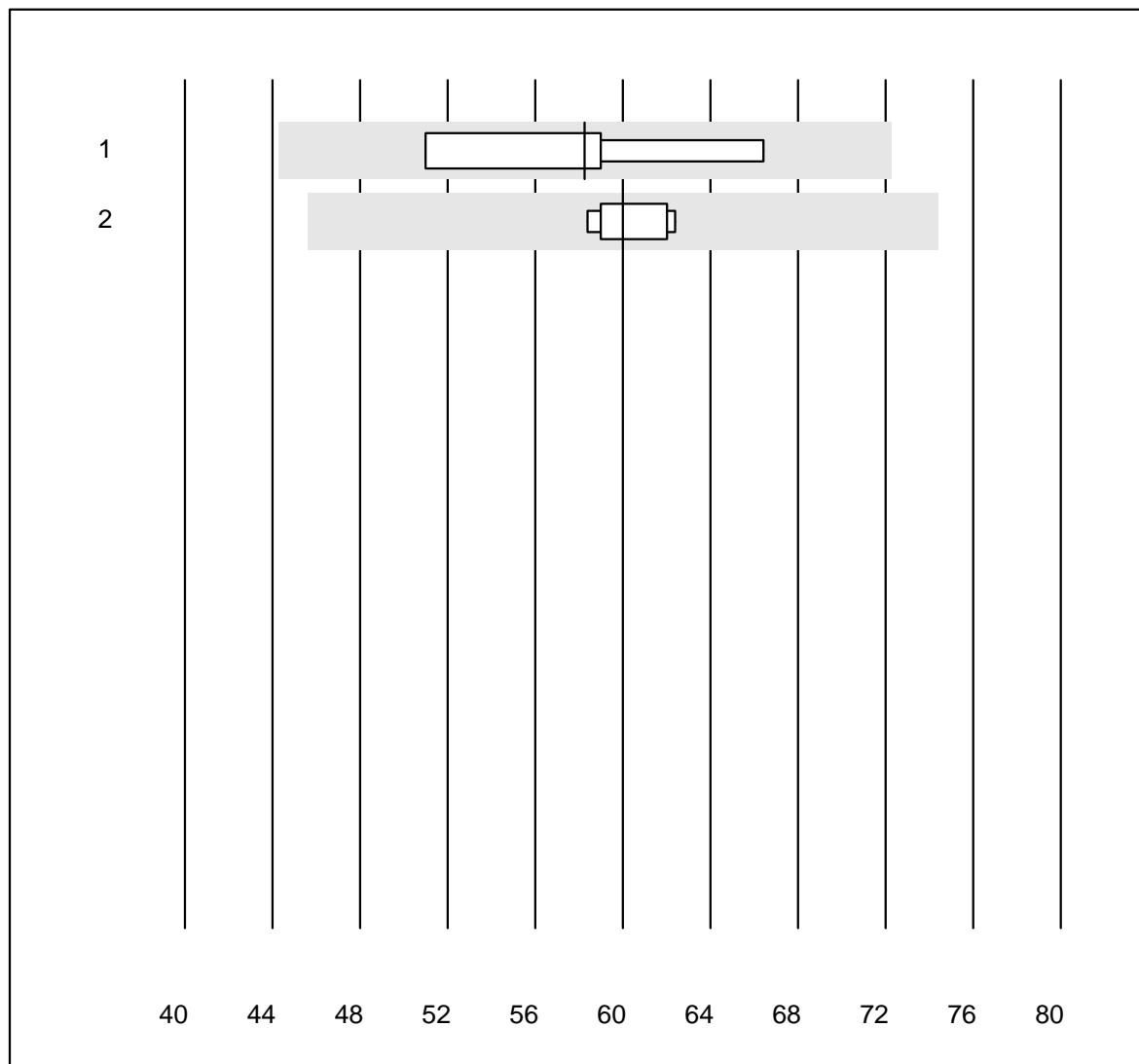


QUALAB tolerance : 24 %

Troponin I (ng/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Vidas	8	100.0	0.0	0.0	1695.5	6.5	e
2	Architect High Sensi	6	100.0	0.0	0.0	206.1	6.6	e
3	AQT 90 FLEX	7	100.0	0.0	0.0	45.0	6.5	e
4	ADVIA Centaur XP/CP	5	80.0	0.0	20.0	310.0	14.9	a
5	Eurolyser	16	56.2	0.0	43.8	1114.4	13.0	e*

Troponin T

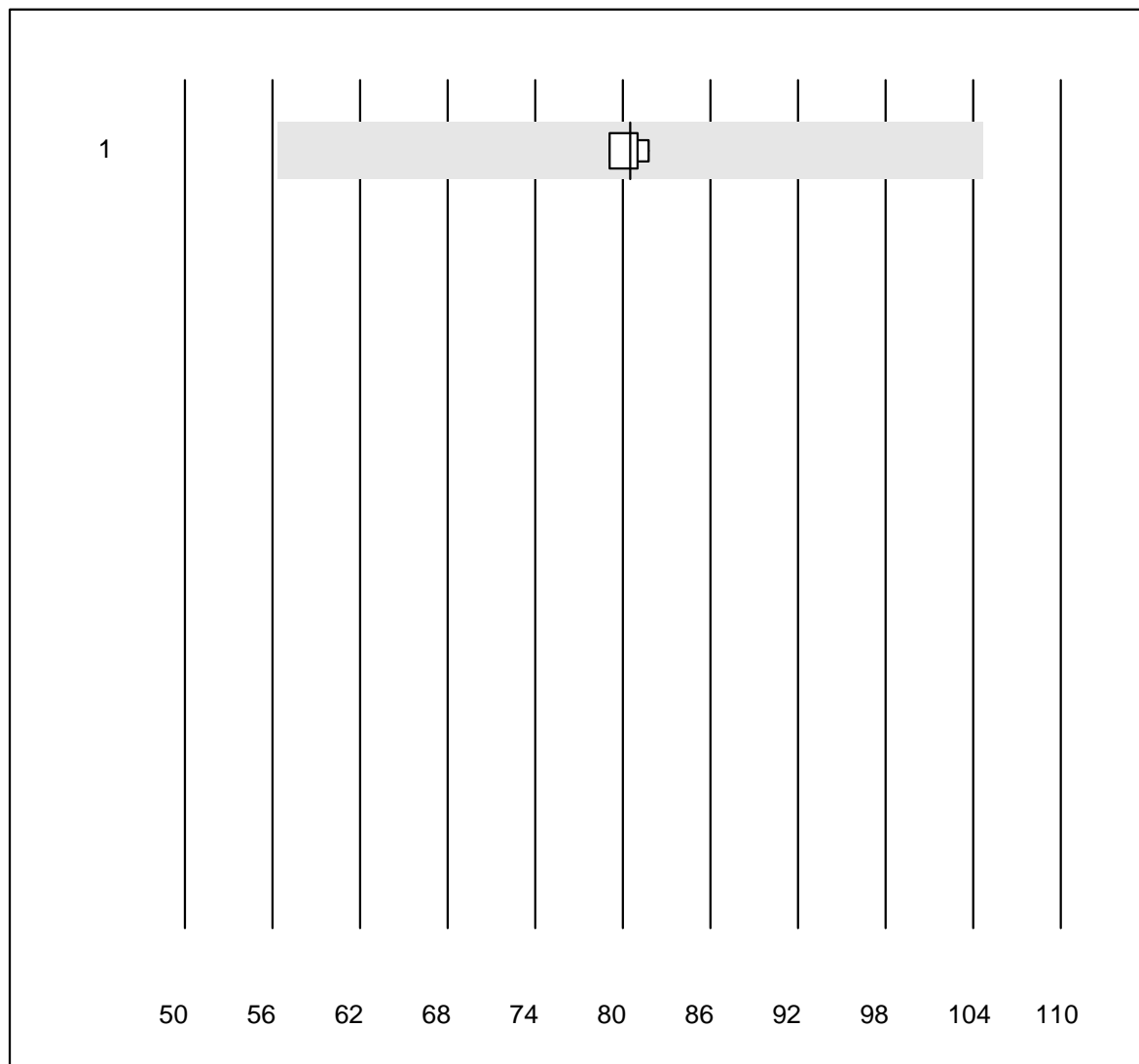


QUALAB tolerance : 24 %

Troponin T (ng/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Cobas hs	4	100.0	0.0	0.0	58.25	10.8	e*
2	Cobas hs STAT	6	100.0	0.0	0.0	60.00	2.6	e

Myoglobin

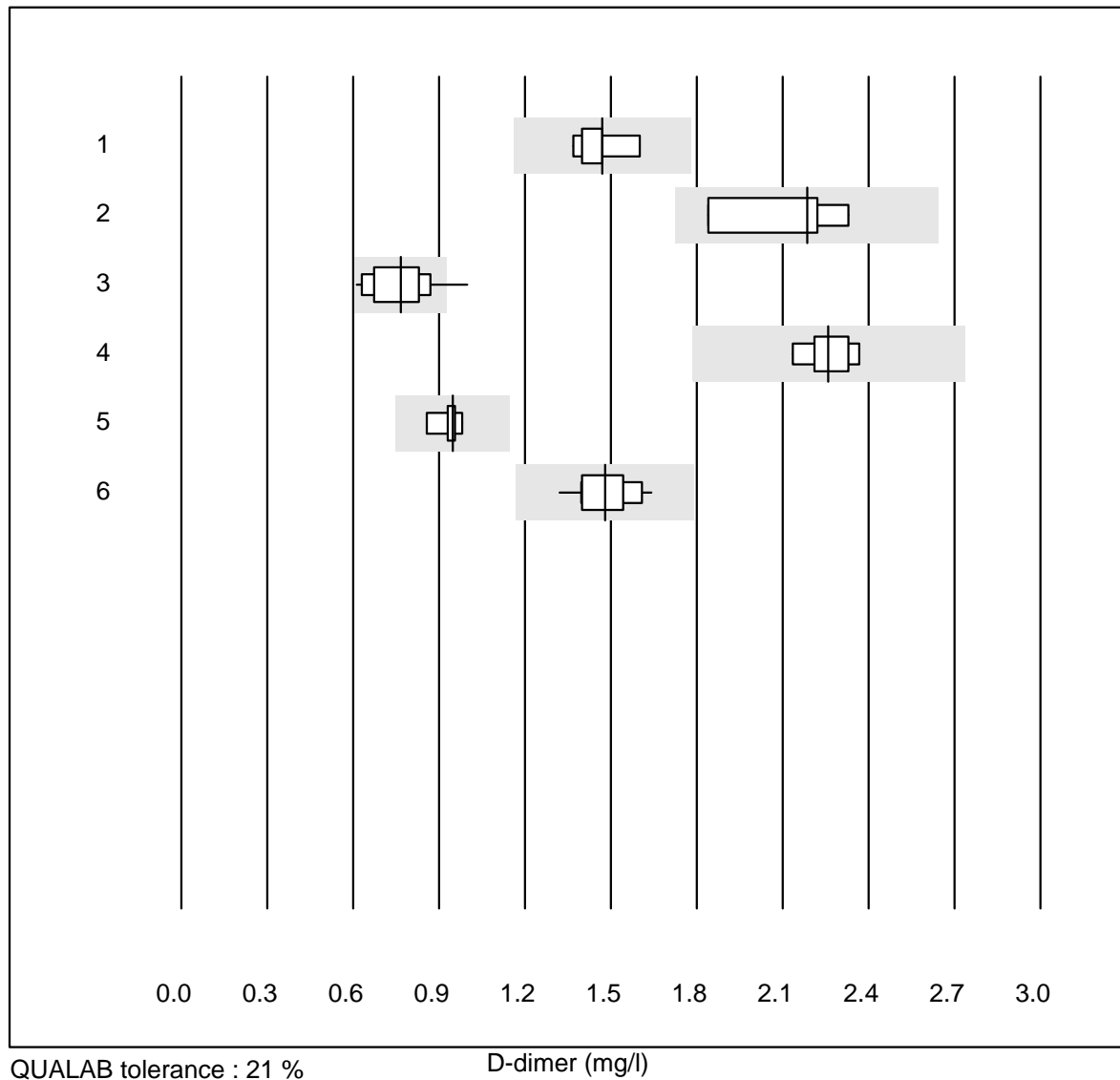


QUALAB tolerance : 30 %

Myoglobin (µg/l)

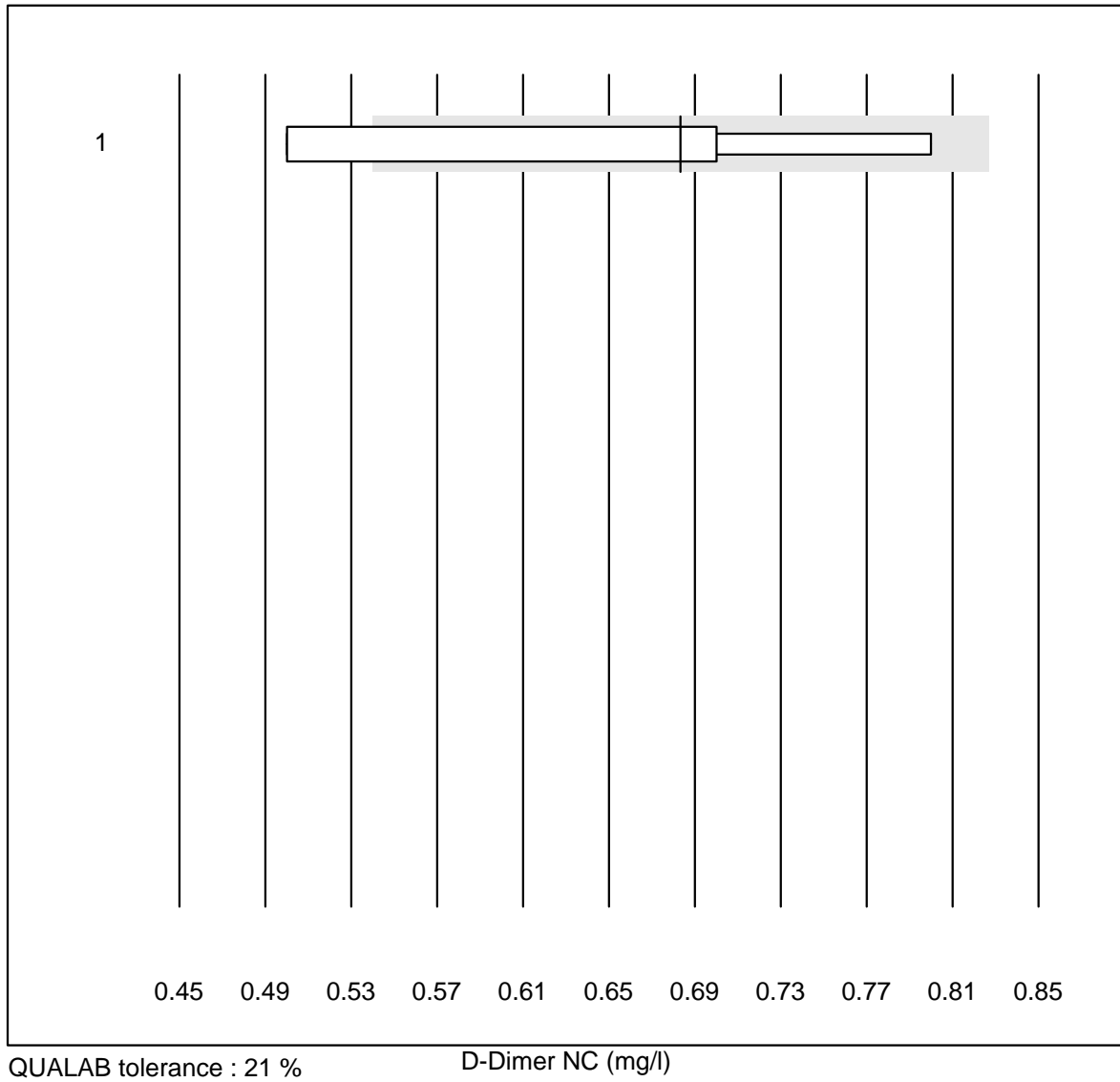
No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Cobas E / Elecsys	4	100.0	0.0	0.0	80.5	1.5	e

D-dimer



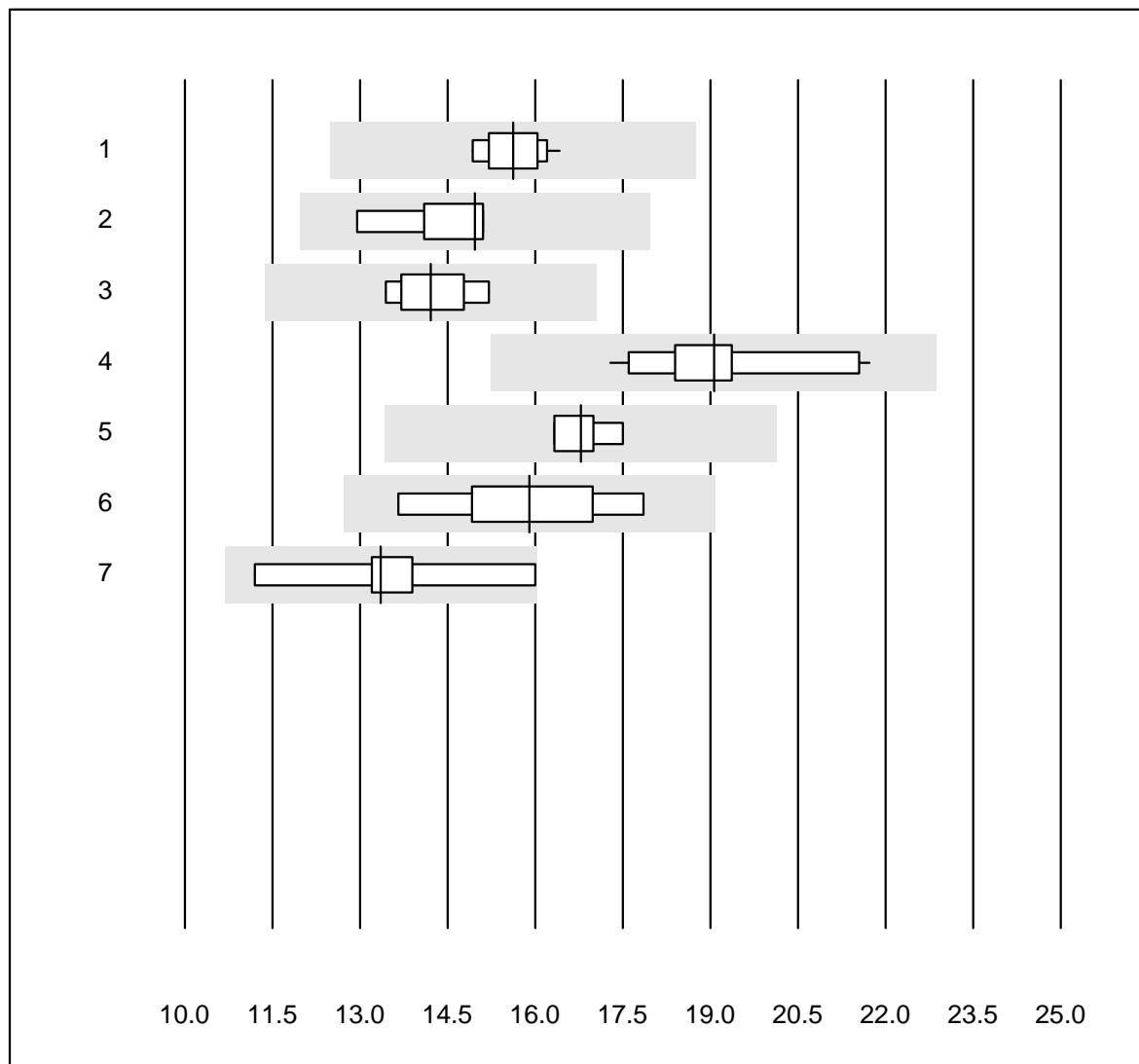
No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	STA Liatest	9	88.9	0.0	11.1	1.47	5.1	e
2	Siemens Innovance	4	100.0	0.0	0.0	2.19	9.8	e*
3	Eurolyser	27	85.2	3.7	11.1	0.77	12.8	e
4	ACL	5	100.0	0.0	0.0	2.26	4.1	e
5	AQT 90 FLEX	9	100.0	0.0	0.0	0.95	3.8	e
6	Vidas	12	100.0	0.0	0.0	1.48	6.4	e

D-Dimer NC



No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	NycoCard	23	52.2	17.4	30.4	0.68	17.6	e*

TSH



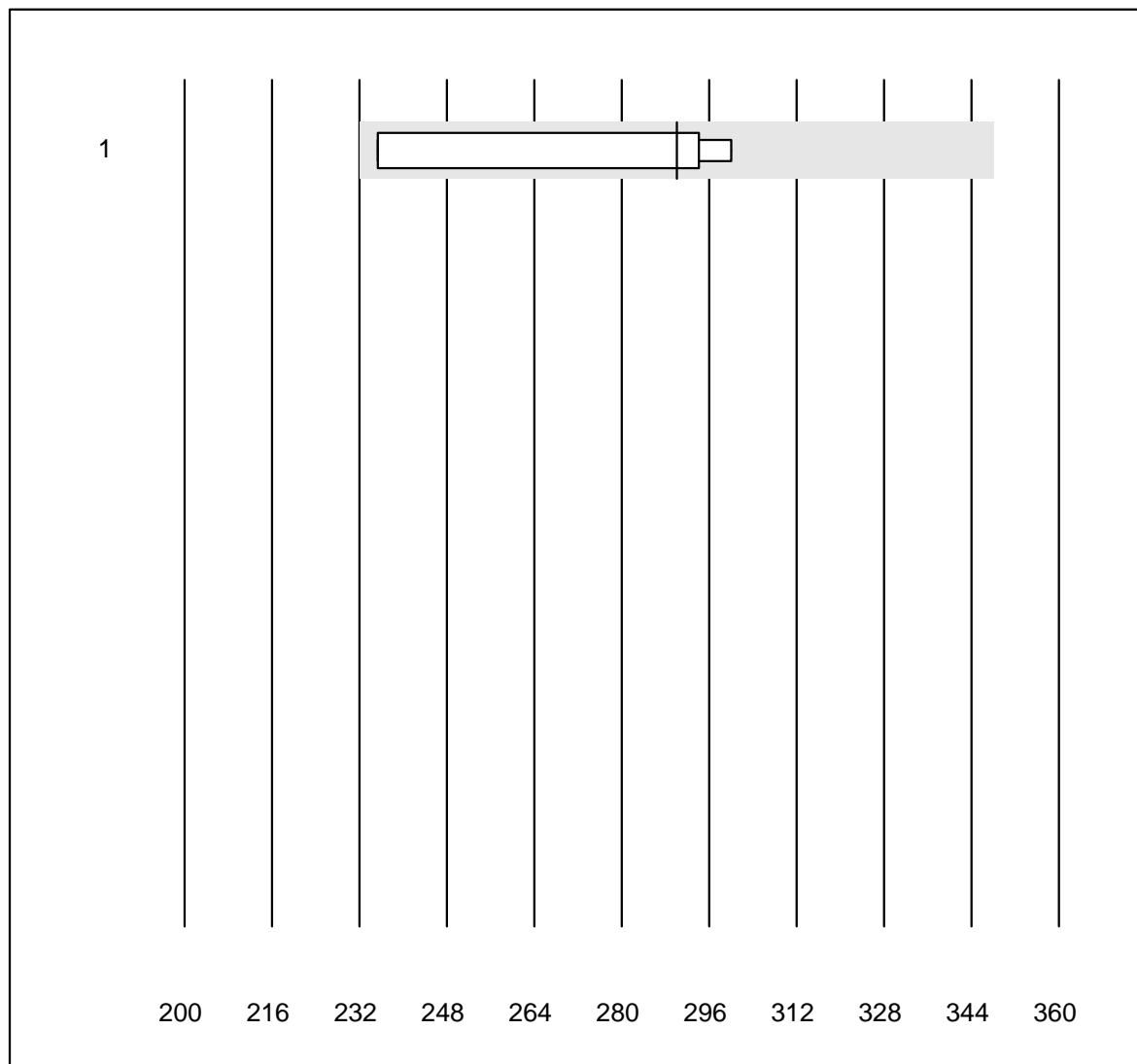
QUALAB tolerance : 20 %

TSH (mU/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Cobas E / Elecsys	10	100.0	0.0	0.0	15.6	3.2	e
2	ADVIA Centaur XP/CP	6	100.0	0.0	0.0	15.0	6.0	e*
3	Architect	8	100.0	0.0	0.0	14.2	4.4	e
4	Vidas	13	100.0	0.0	0.0	19.1	7.2	e
5	Dimension	4	100.0	0.0	0.0	16.8	3.1	e
6	AFIAS	7	100.0	0.0	0.0	15.9	8.9	e*
7	Qualigen	6	83.3	0.0	16.7	13.4	12.7	e*

K6 Hormones

T4



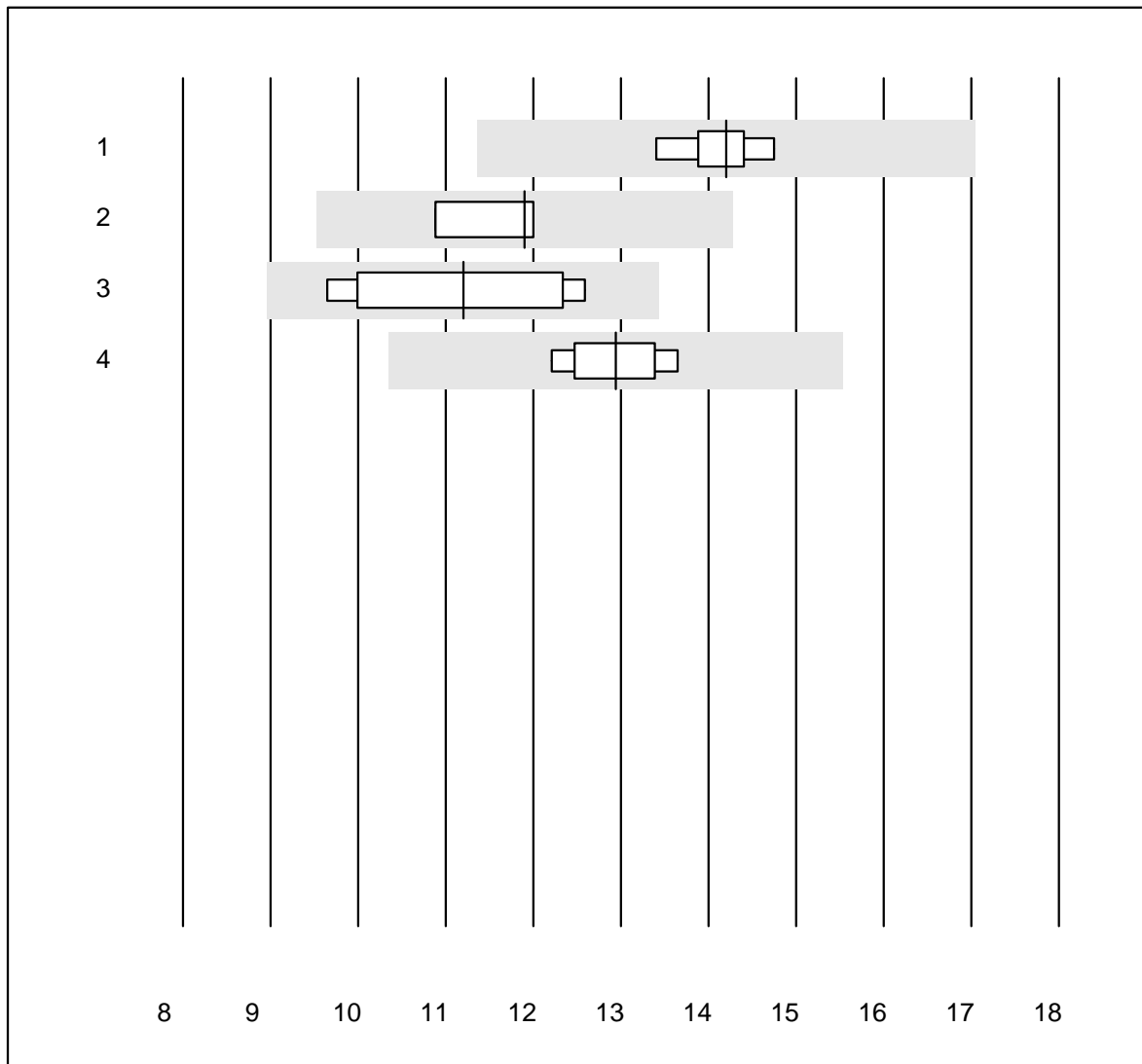
QUALAB tolerance : 20 %

T4 (nmol/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Other methods	4	100.0	0.0	0.0	290	10.6	e*

K6 Hormones

FT3

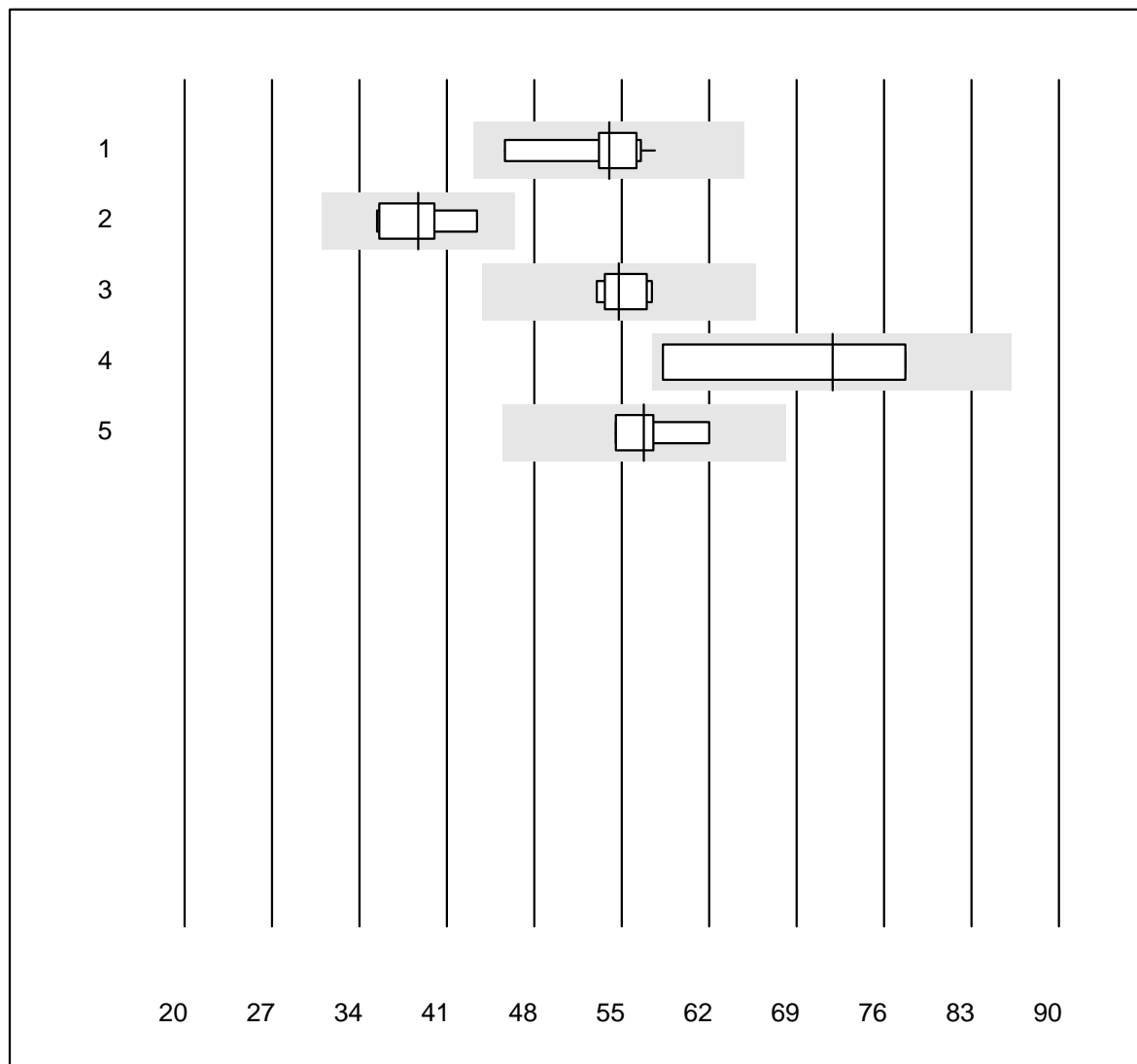


QUALAB tolerance : 20 %

FT3 (pmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Cobas E / Elecsys	9	100.0	0.0	0.0	14.2	3.0	e
2	ADVIA Centaur XP/CP	4	100.0	0.0	0.0	11.9	4.6	e
3	Architect	7	100.0	0.0	0.0	11.2	10.4	e*
4	Vidas	6	100.0	0.0	0.0	12.9	4.3	e

FT4

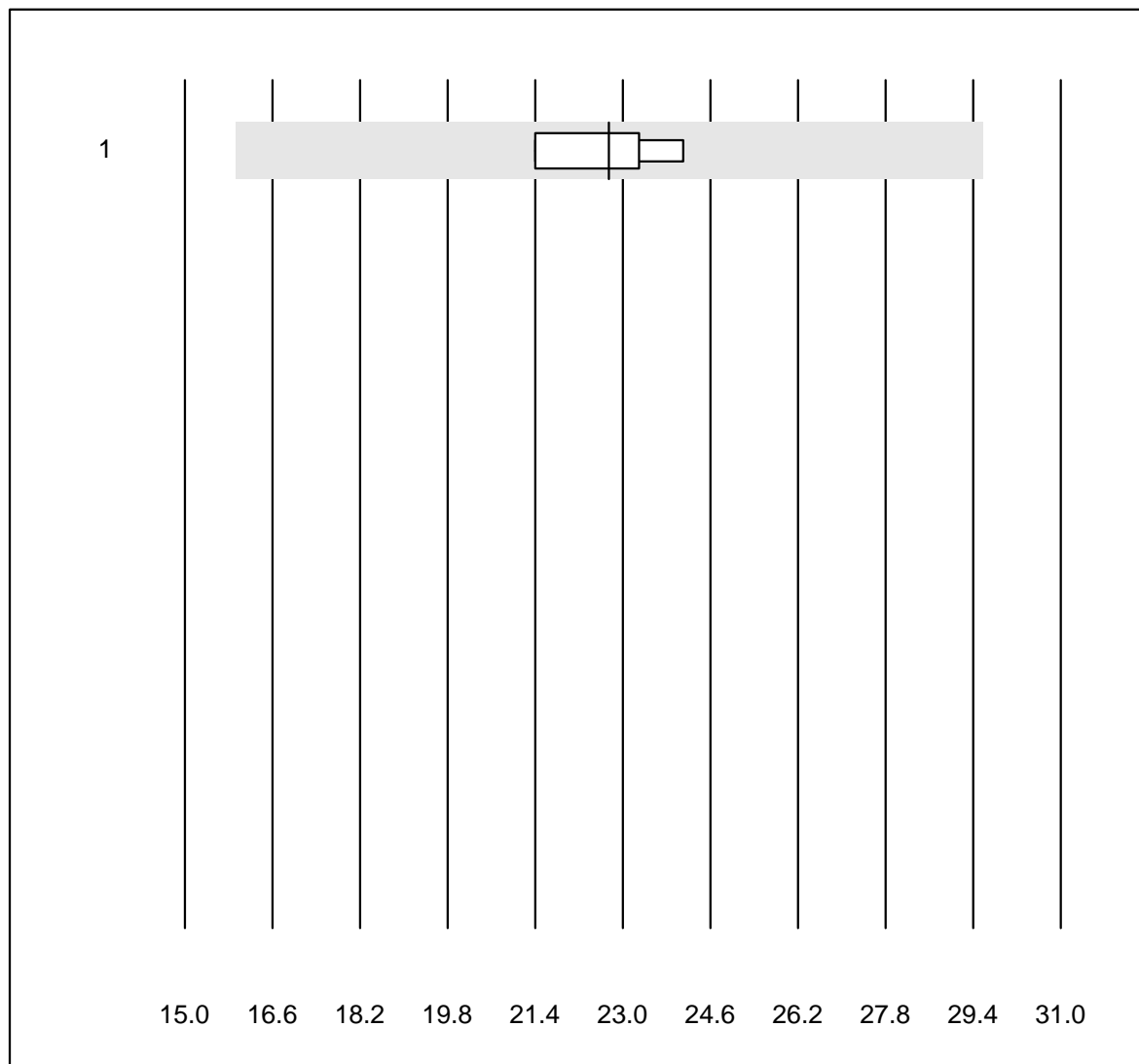


QUALAB tolerance : 20 %

FT4 (pmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Cobas E / Elecsys	10	100.0	0.0	0.0	54.0	6.2	e
2	Architect	8	100.0	0.0	0.0	38.7	7.8	e*
3	Vidas	7	100.0	0.0	0.0	54.8	3.2	e
4	Qualigen	4	100.0	0.0	0.0	71.9	13.6	e*
5	Other methods	4	100.0	0.0	0.0	56.8	5.6	e*

Testosterone

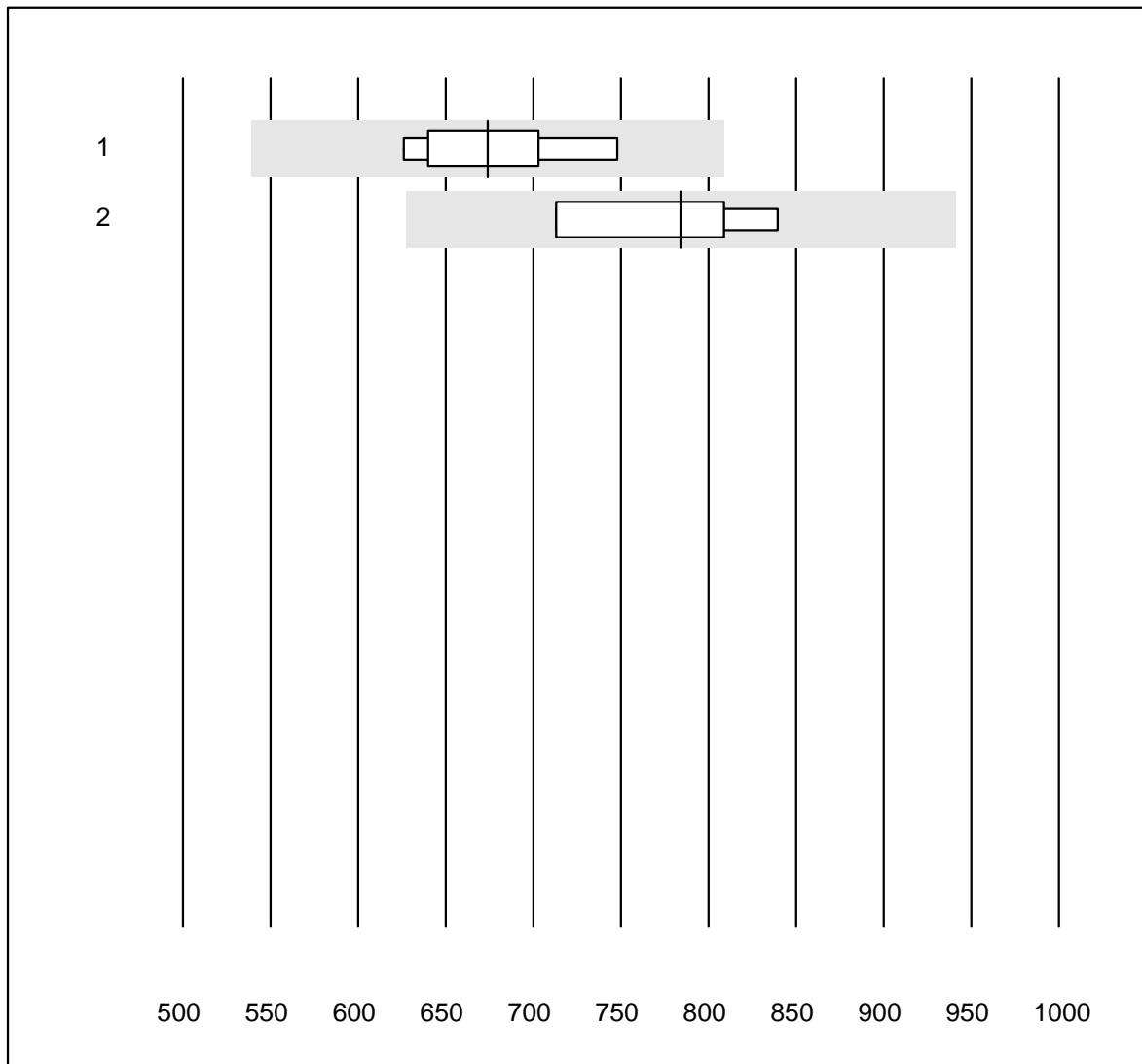


QUALAB tolerance : 30 %

Testosterone (nmol/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Type
1	ADVIA Centaur XP/CP	4	100.0	0.0	0.0	23	5.2	e

Cortisol

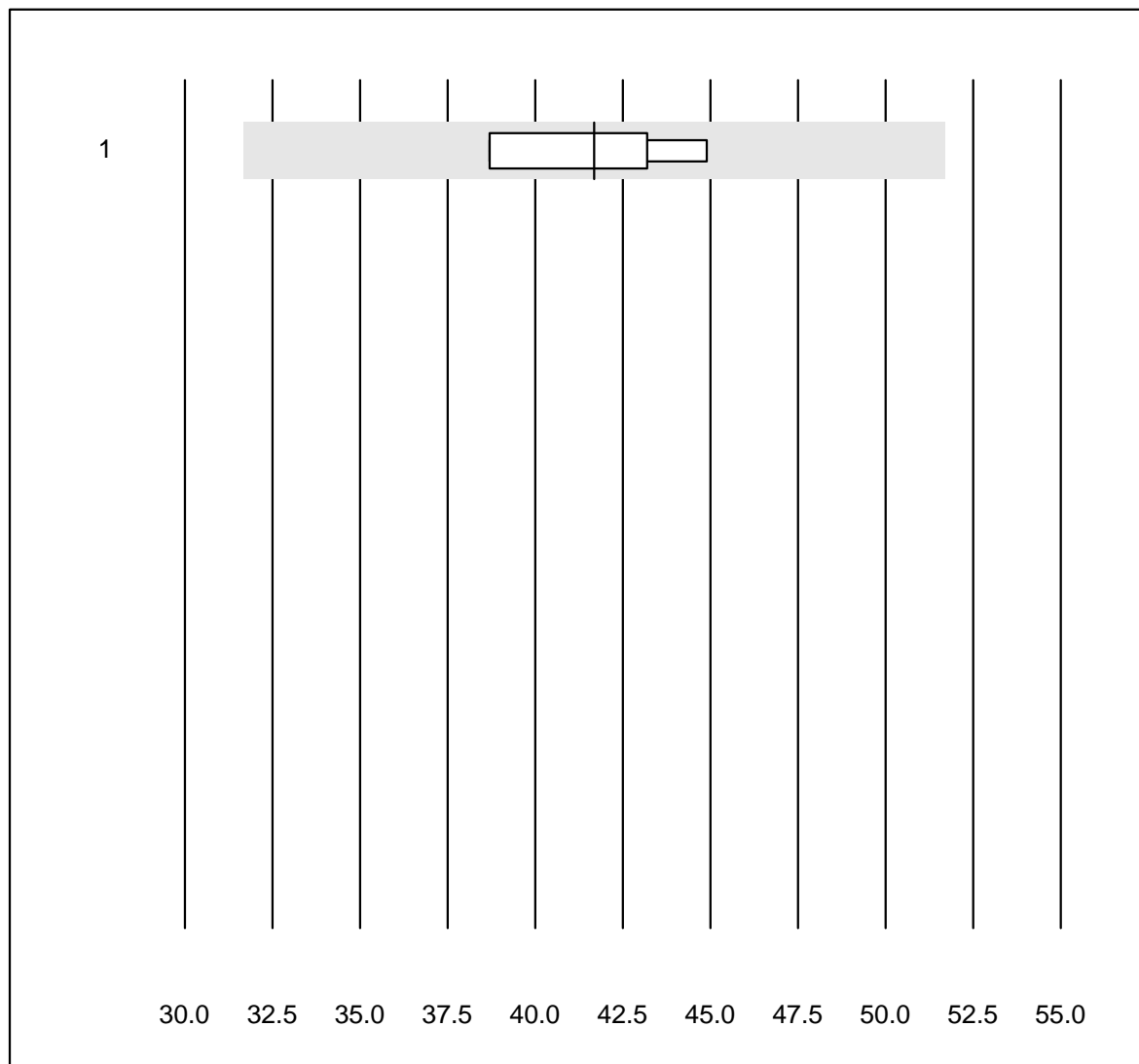


QUALAB tolerance : 20 %

Cortisol (nmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Cobas E / Elecsys	6	100.0	0.0	0.0	674	6.8	a
2	ADVIA Centaur XP/CP	4	100.0	0.0	0.0	784	7.3	a

Luteinizing hormone

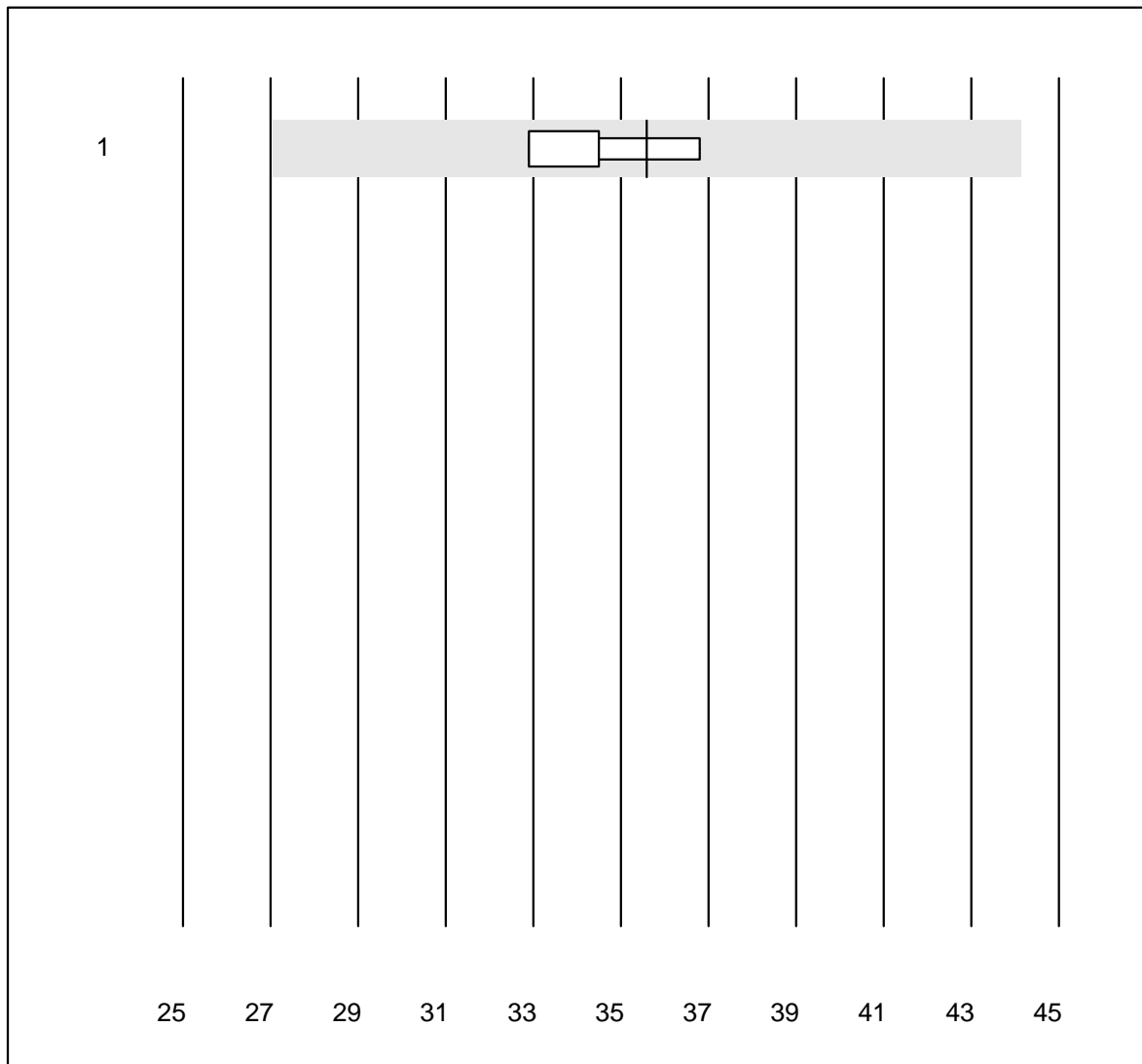


QUALAB tolerance : 24 %

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	41.7	7.7	a

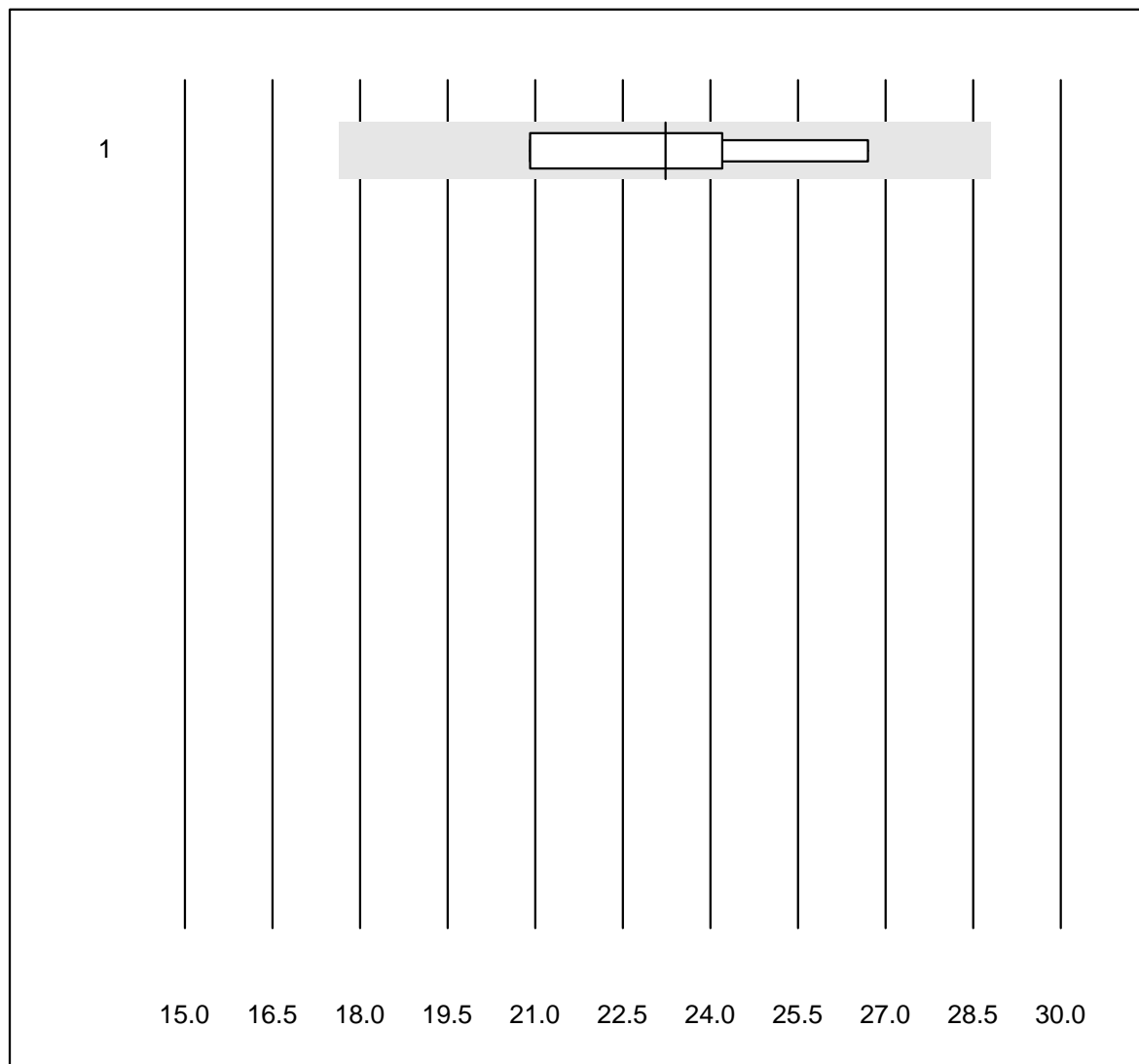
Follicle-stimulating hormone



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	35.6	4.8	a

Prolactine

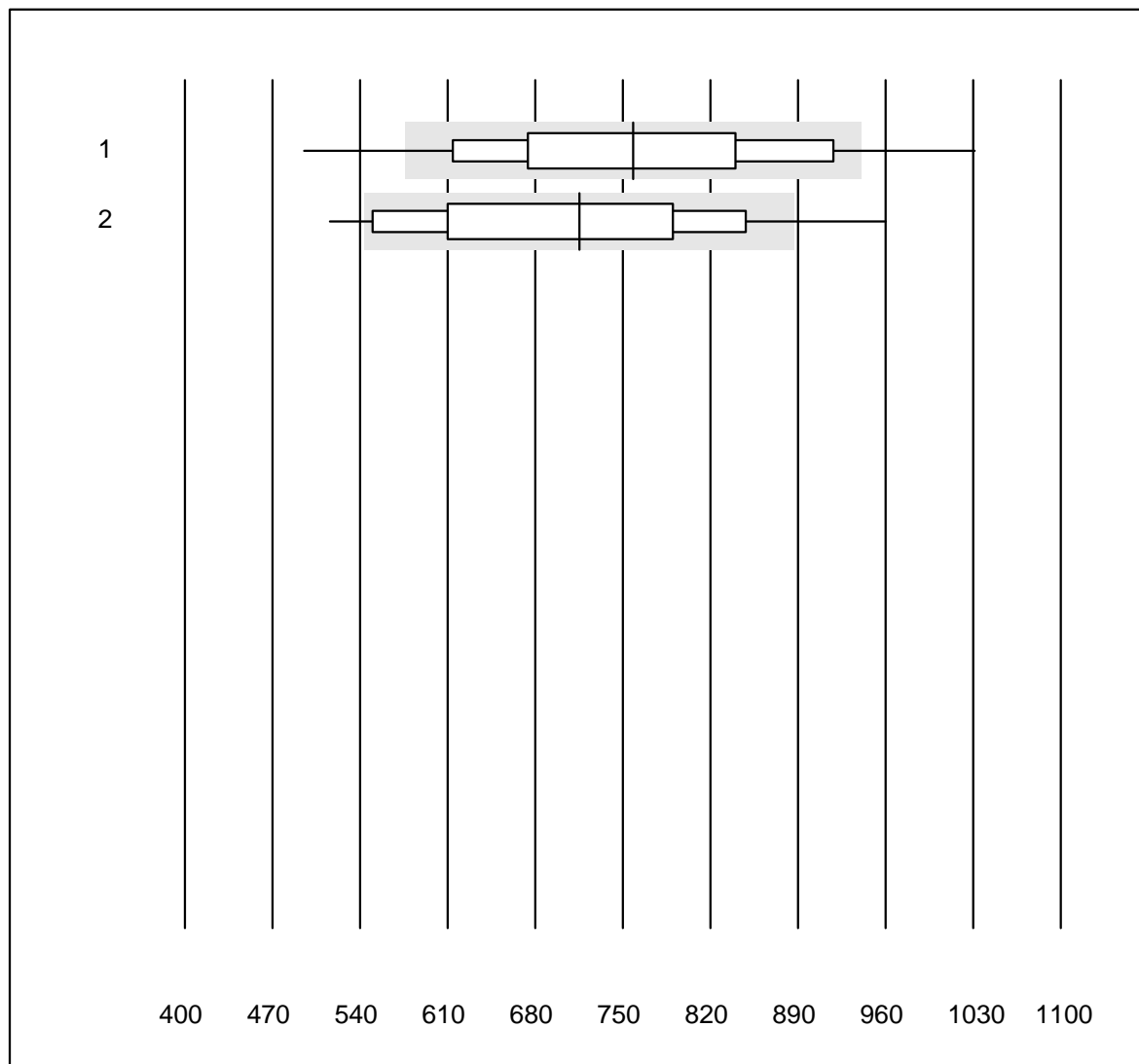


QUALAB tolerance : 24 %

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	23.2	10.7	e*

Troponin T CR

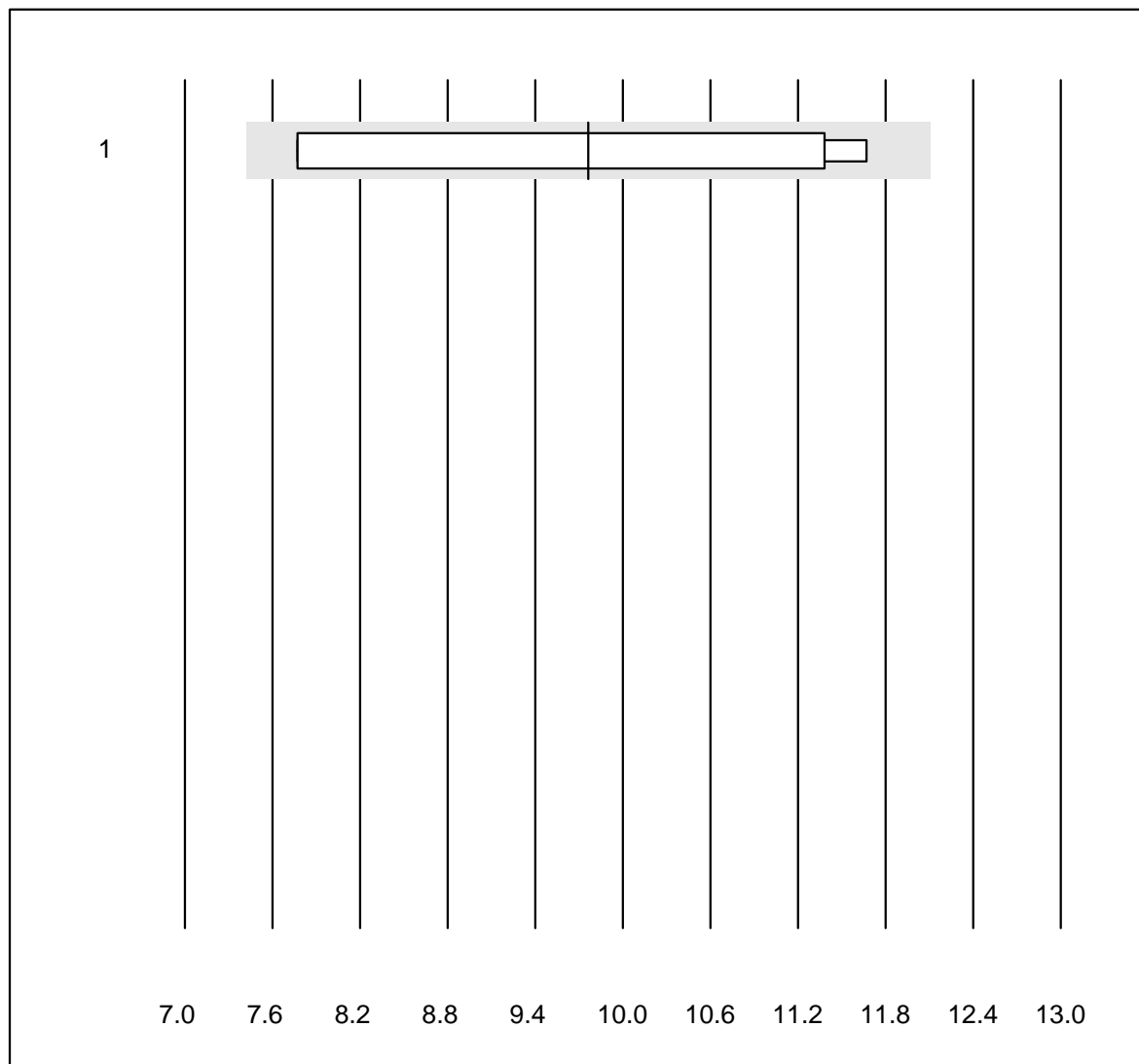


QUALAB tolerance : 24 %

Troponin T CR (ng/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Cobas h 232	910	84.8	11.6	3.6	758.50	15.1	e
2	Cardiac Reader	42	80.9	14.3	4.8	715.48	16.5	e

Troponin I WB

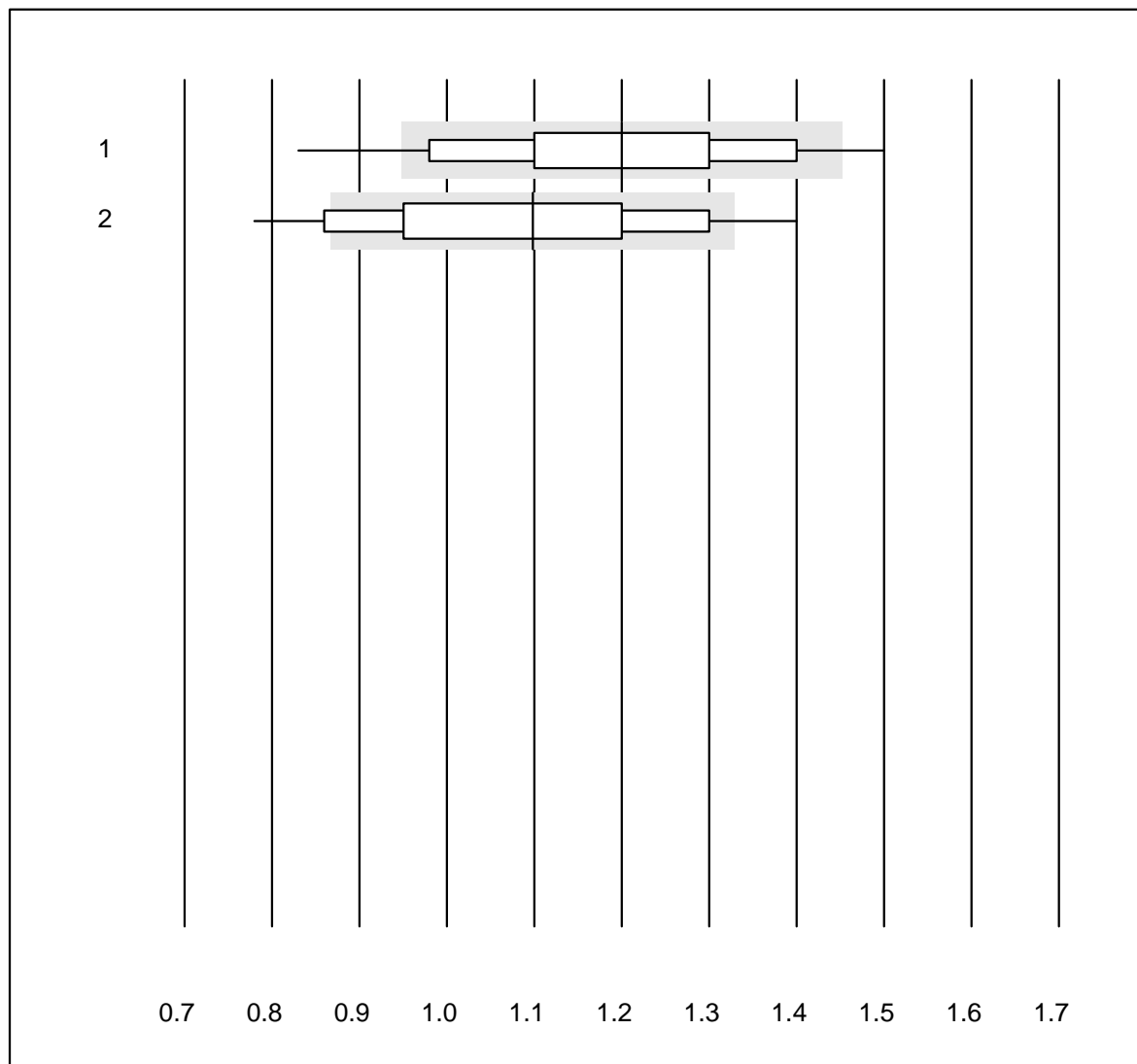


QUALAB tolerance : 24 %

Troponin I WB (ng/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	iStat	4	100.0	0.0	0.0	9.77	21.2	e*

D-dimer CR

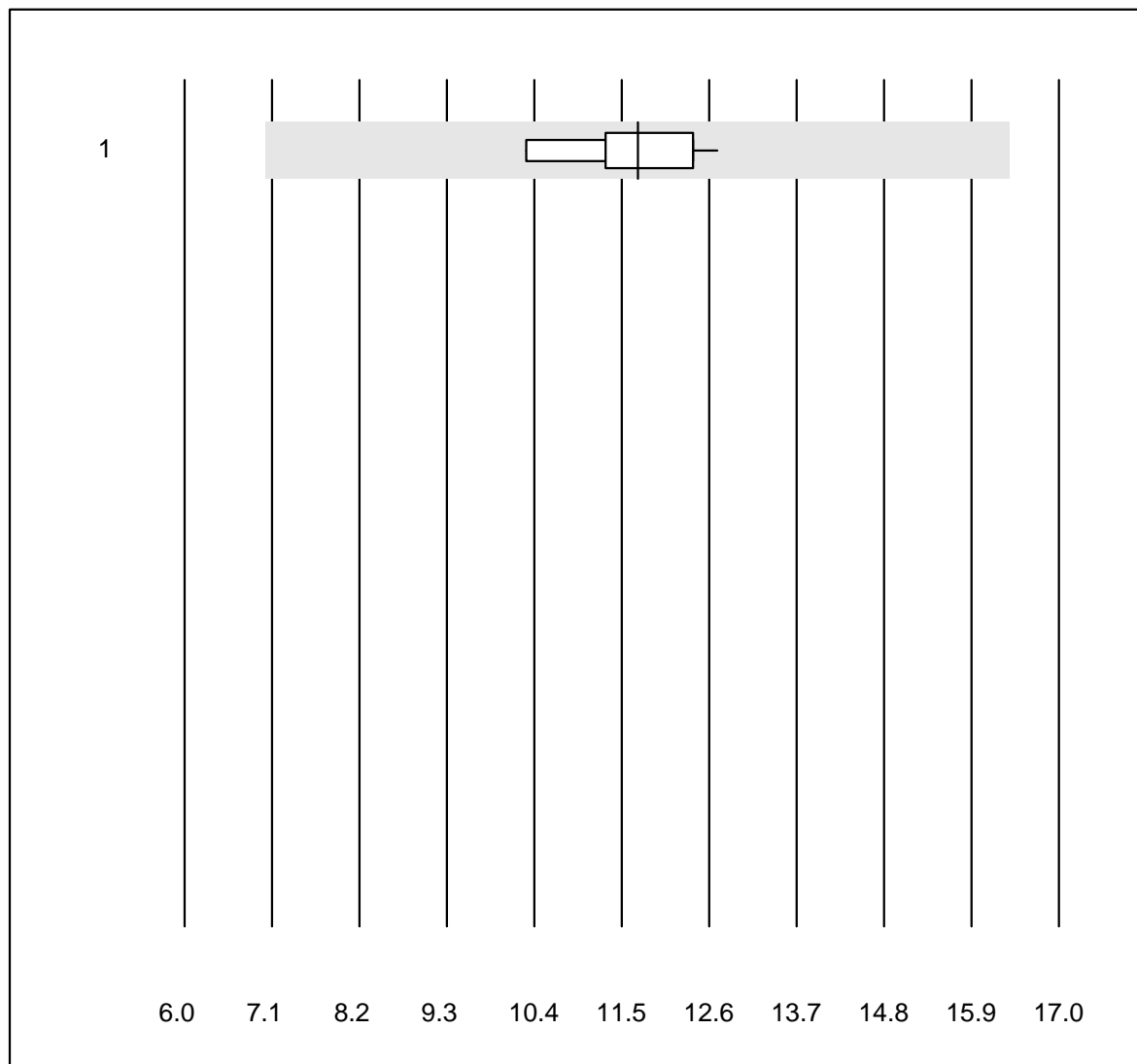


QUALAB tolerance : 21 %

D-dimer CR (mg/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Cobas h 232	938	65.3	13.2	21.5	1.20	14.2	e
2	Cardiac Reader	35	65.7	14.3	20.0	1.10	15.6	e*

CKMB - K8

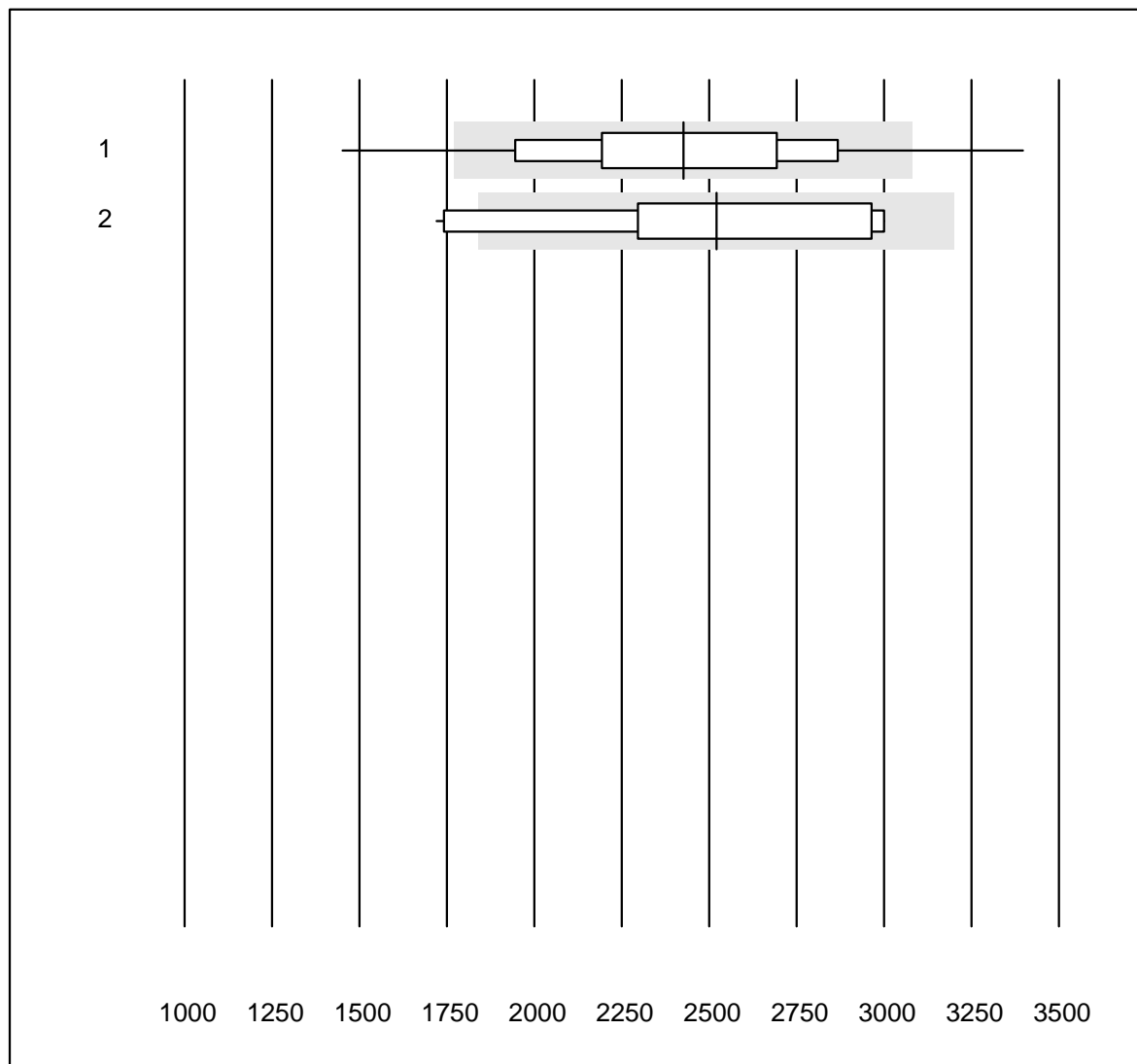


QUALAB tolerance : 40 %

CKMB - K8 (µg/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Type
1	Cobas h 232	10	100.0	0.0	0.0	11.7	6.7	e

proBNP CR

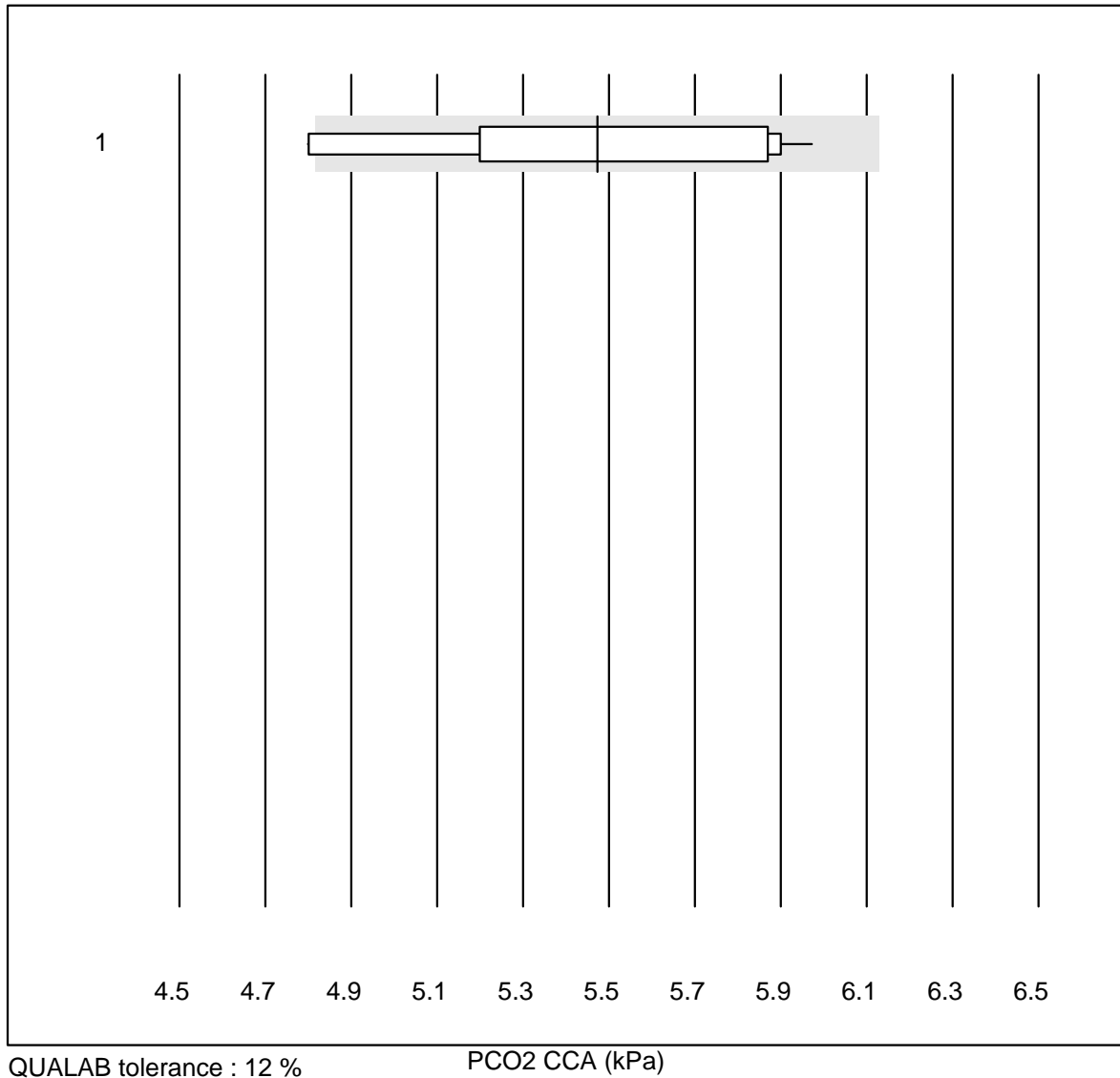


QUALAB tolerance : 27 %

proBNP CR (ng/l)

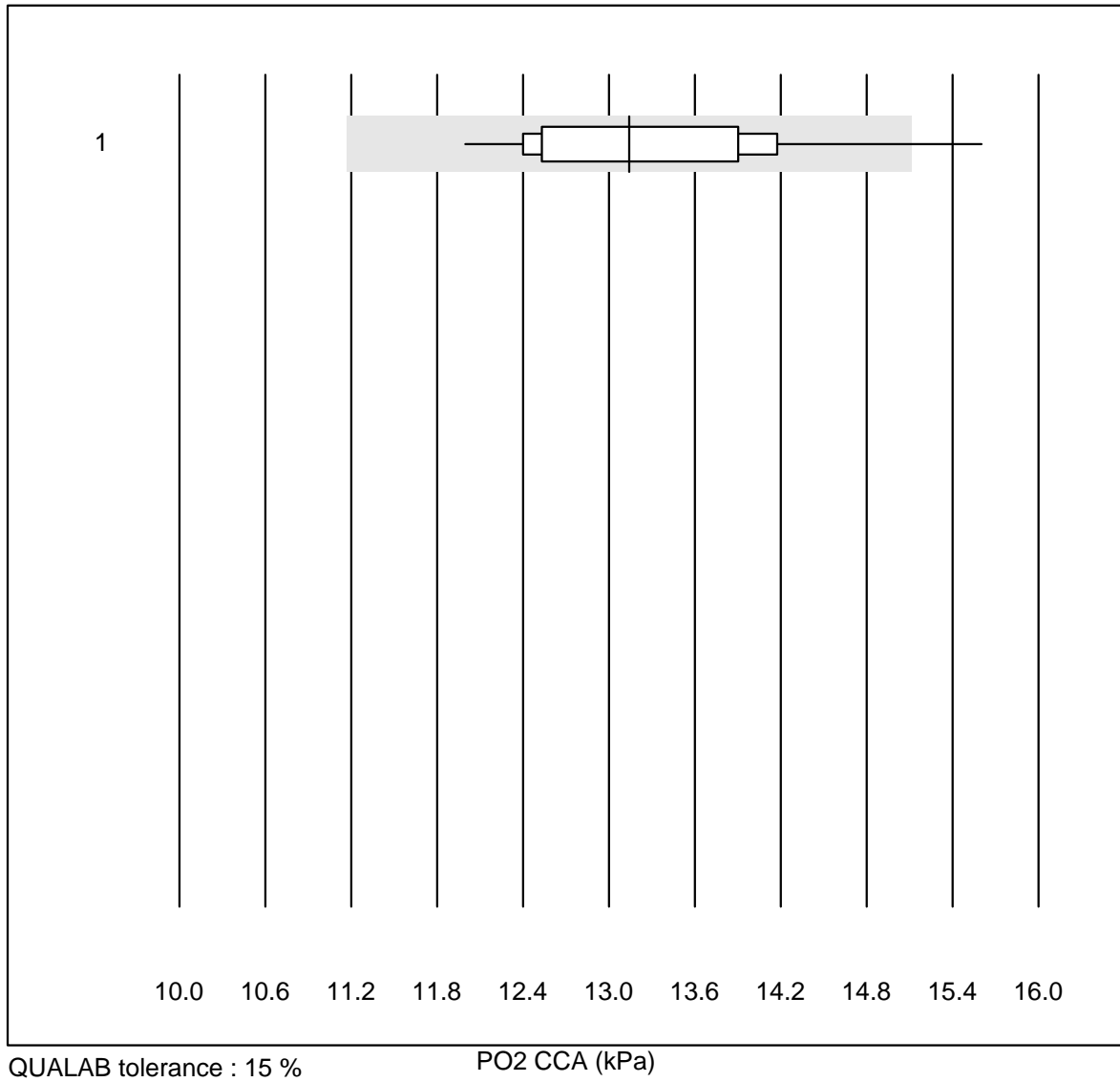
No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Cobas h 232	561	82.0	3.9	14.1	2427	14.2	e
2	Cardiac Reader	12	75.0	16.7	8.3	2521	18.8	e*

PCO2 CCA



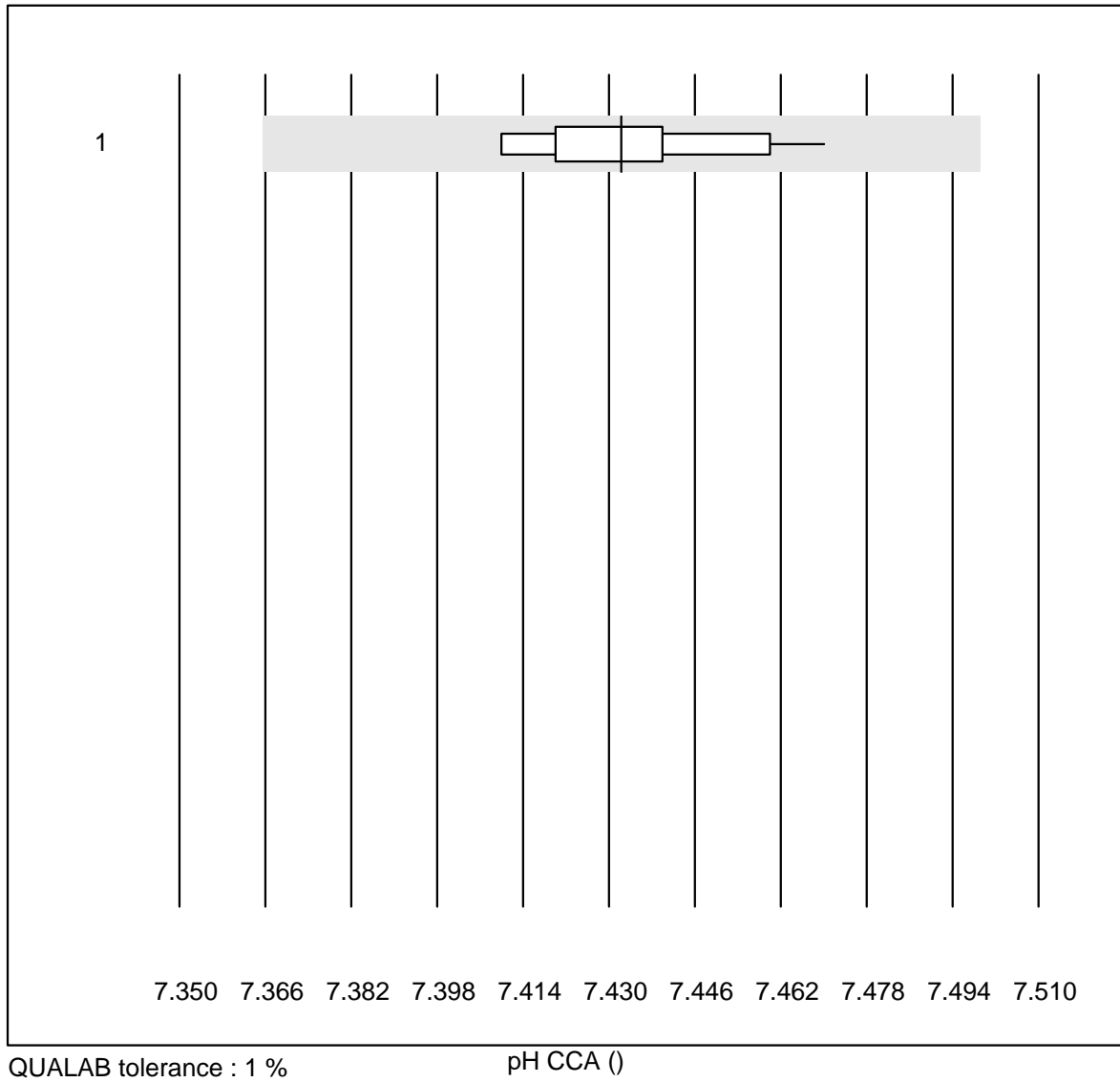
No. Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1 OPTI CCA	14	78.6	14.3	7.1	5.47	8.0	e*

PO2 CCA



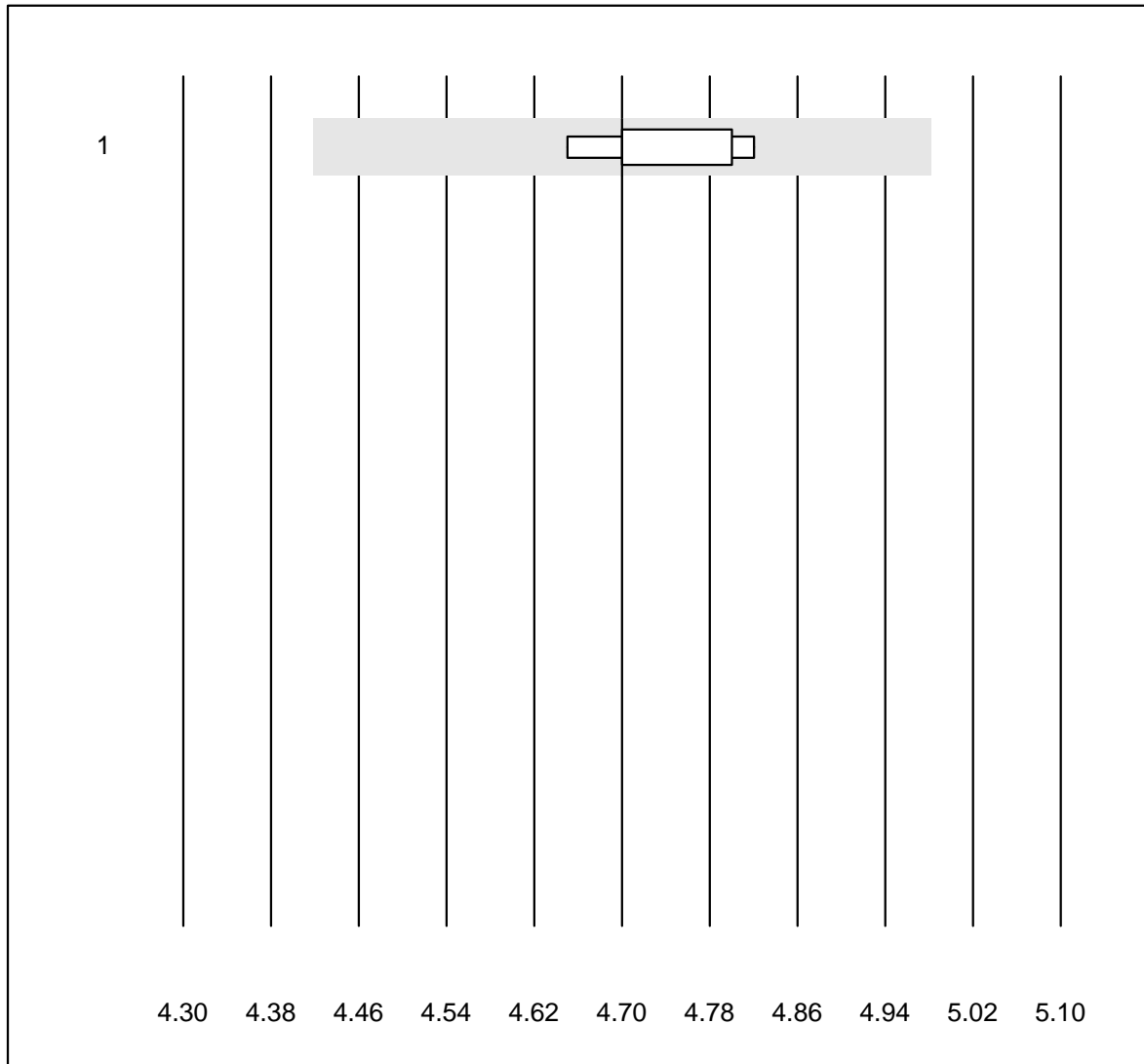
No. Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1 OPTI CCA	14	71.5	7.1	21.4	13.14	8.1	e*

pH CCA



No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Type
1	OPTI CCA	14	100.0	0.0	0.0	7.43	0.2	e

Potassium CCA

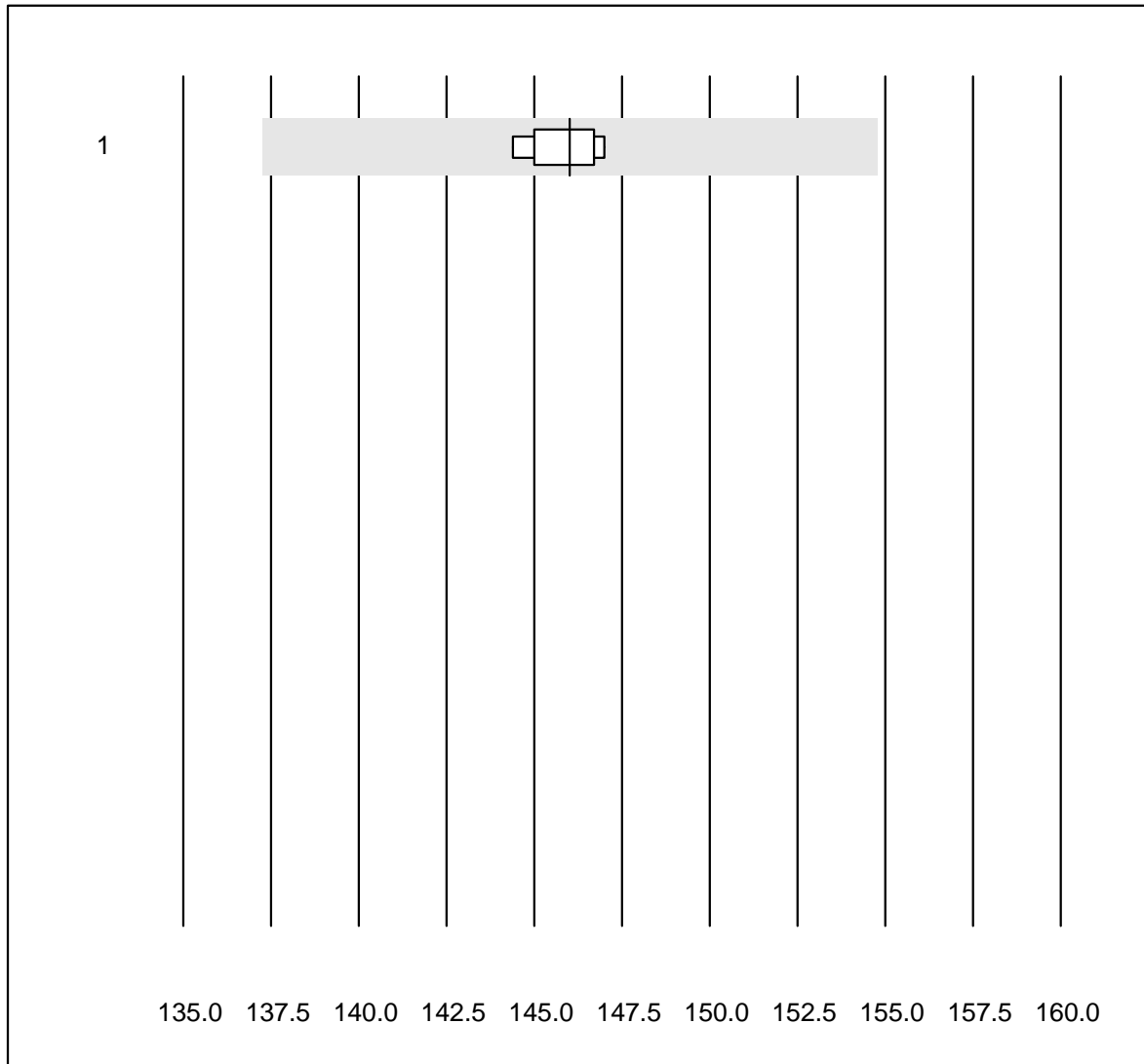


QUALAB tolerance : 6 %

Potassium CCA (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Type
1	OPTI CCA	6	100.0	0.0	0.0	4.7	1.4	e

Sodium CCA

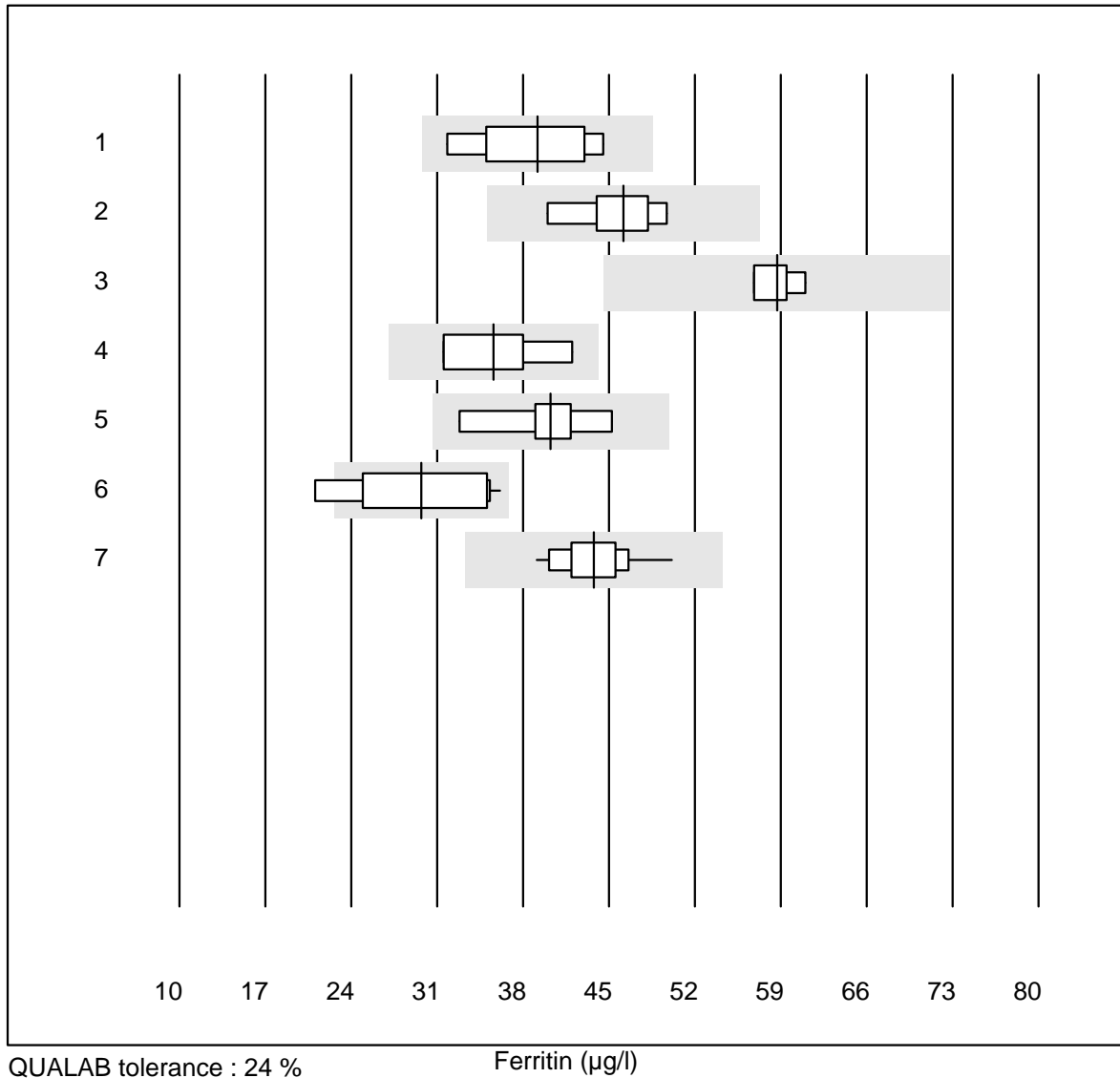


QUALAB tolerance : 6 %

Sodium CCA (mmol/l)

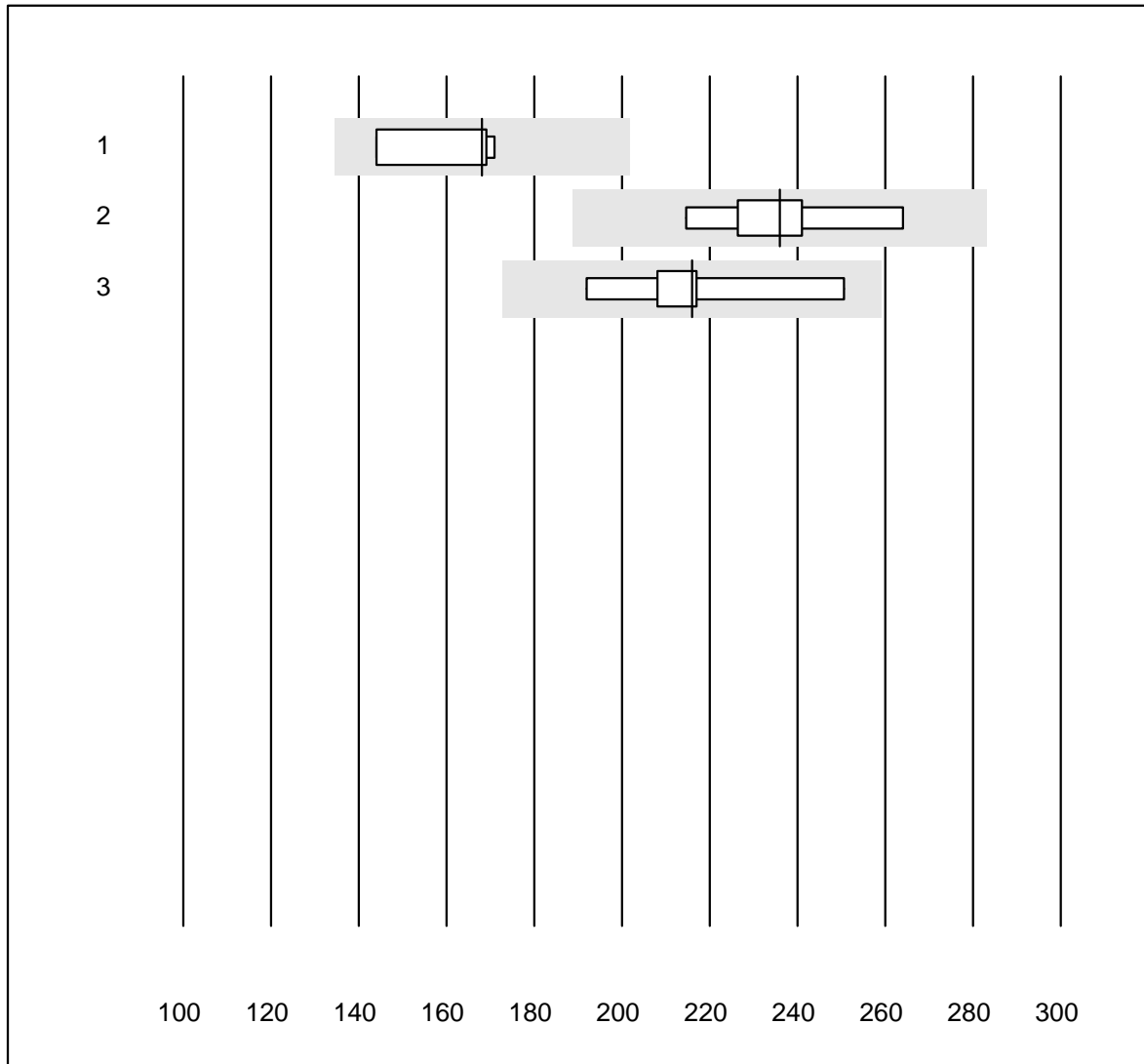
No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Type
1	OPTI CCA	5	100.0	0.0	0.0	146.0	0.8	e

Ferritin



No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Beckman	5	100.0	0.0	0.0	39.20	13.8	e*
2	Cobas E / Elecsys	9	100.0	0.0	0.0	46.20	7.0	e
3	Architect	4	100.0	0.0	0.0	58.69	3.1	e
4	Mira/DiaSys	4	100.0	0.0	0.0	35.60	13.2	e*
5	Mini Vidas	6	100.0	0.0	0.0	40.24	10.3	e*
6	AFIAS	11	81.8	9.1	9.1	29.70	18.2	e*
7	Eurolyser	19	84.2	0.0	15.8	43.74	6.3	e

Vitamin B12

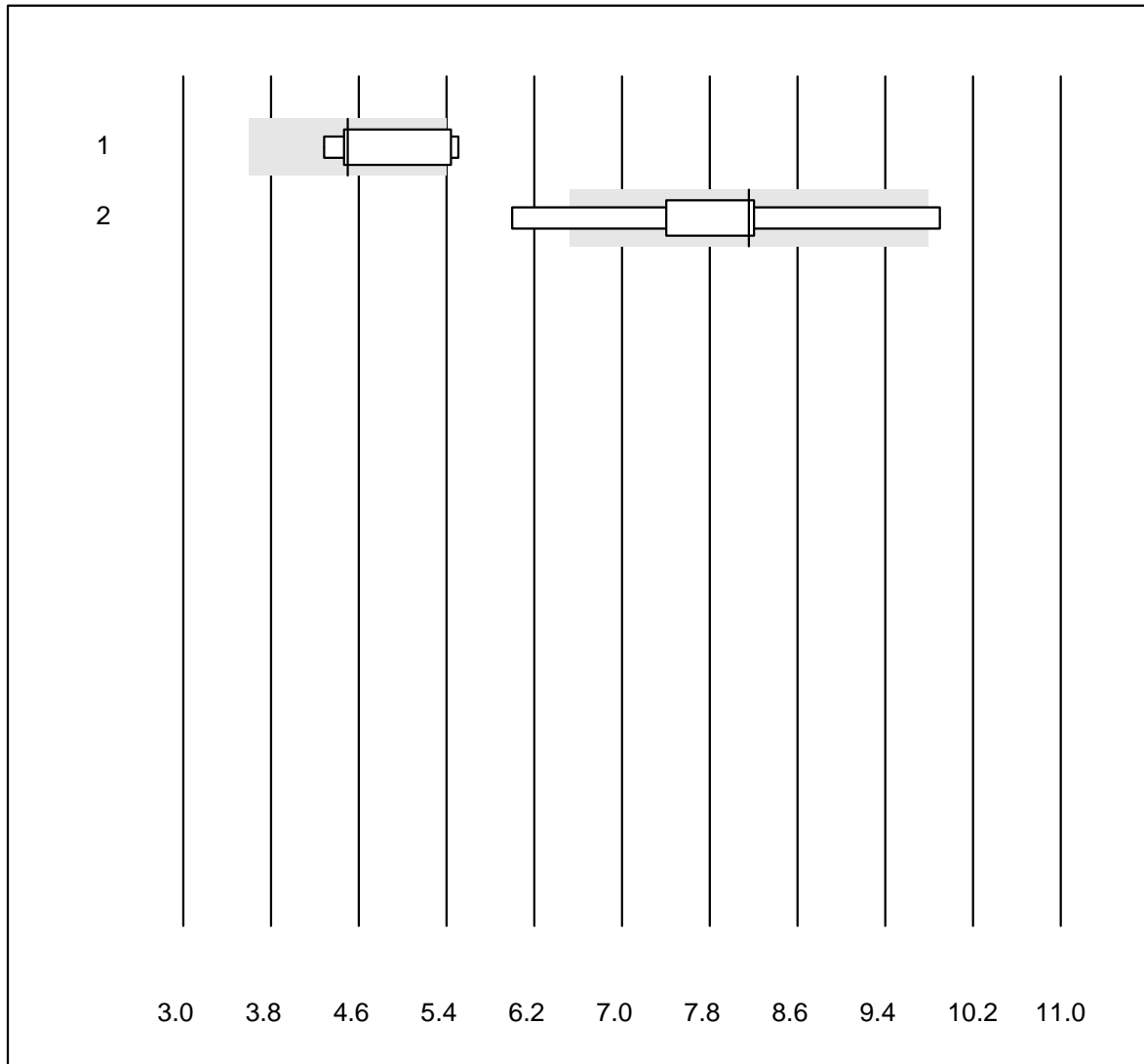


QUALAB tolerance : 20 %

Vitamin B12 (pmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	ADVIA Centaur XP/CP	4	100.0	0.0	0.0	168.00	7.7	e*
2	Cobas E / Elecsys	7	100.0	0.0	0.0	236.00	6.5	e*
3	Architect	5	100.0	0.0	0.0	216.00	9.9	e*

Folate

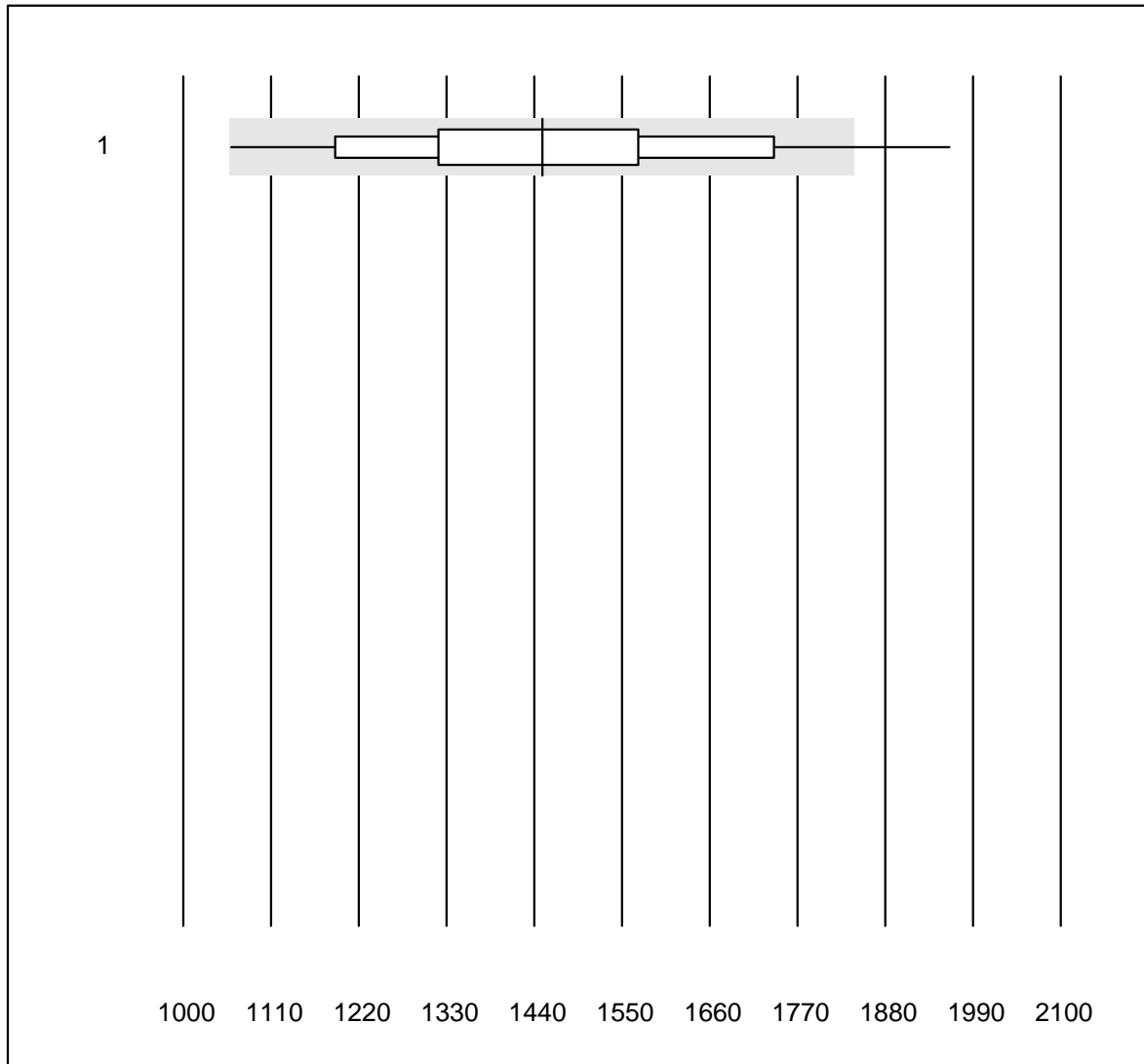


QUALAB tolerance : 20 %

Folate (nmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Cobas E / Elecsys	7	71.4	28.6	0.0	4.50	10.8	e*
2	Architect	5	60.0	40.0	0.0	8.16	17.8	e*

BNP

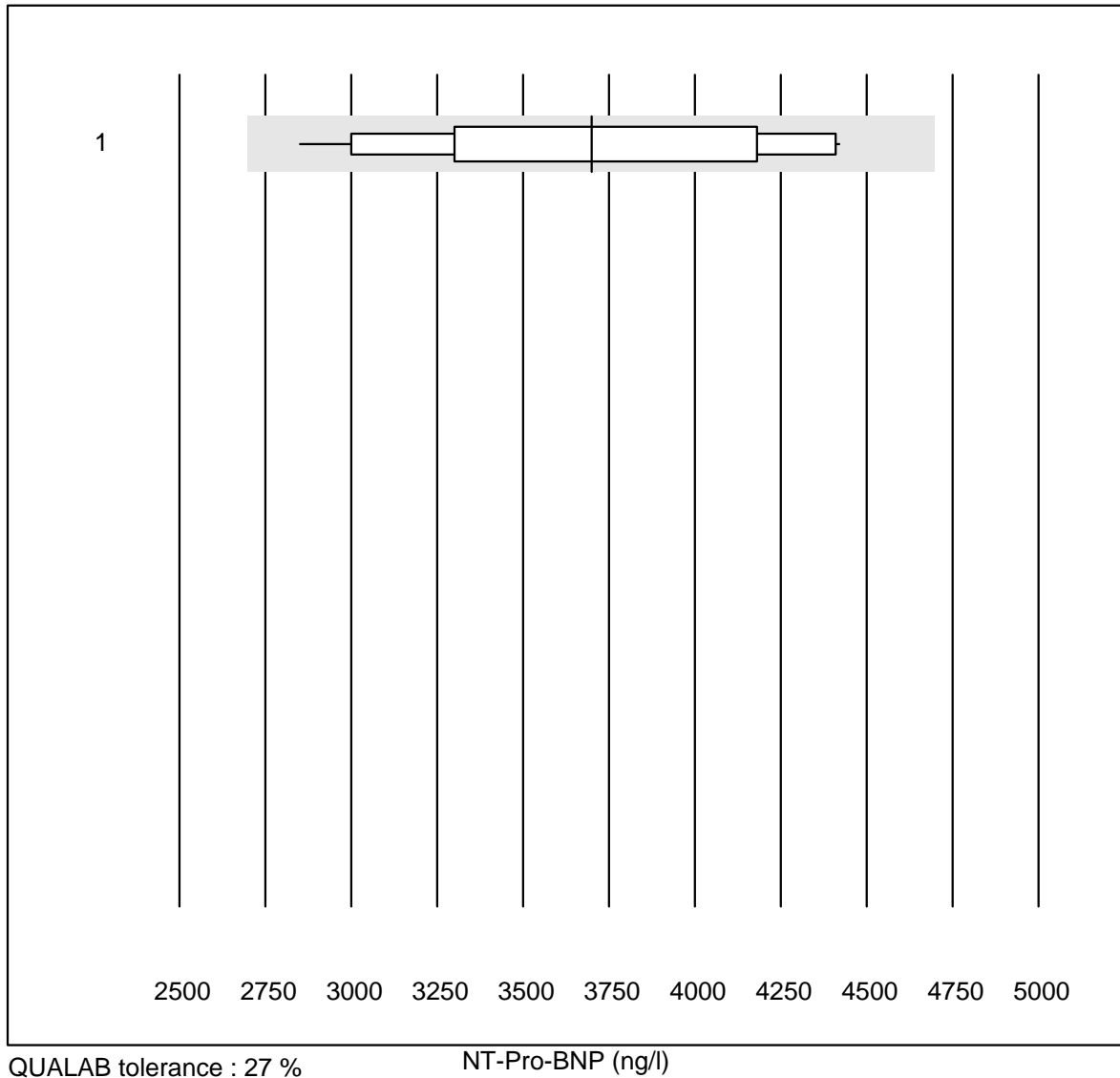


QUALAB tolerance : 27 %

BNP (ng/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Triage	43	83.7	9.3	7.0	1450.0	14.7	e

NT-Pro-BNP

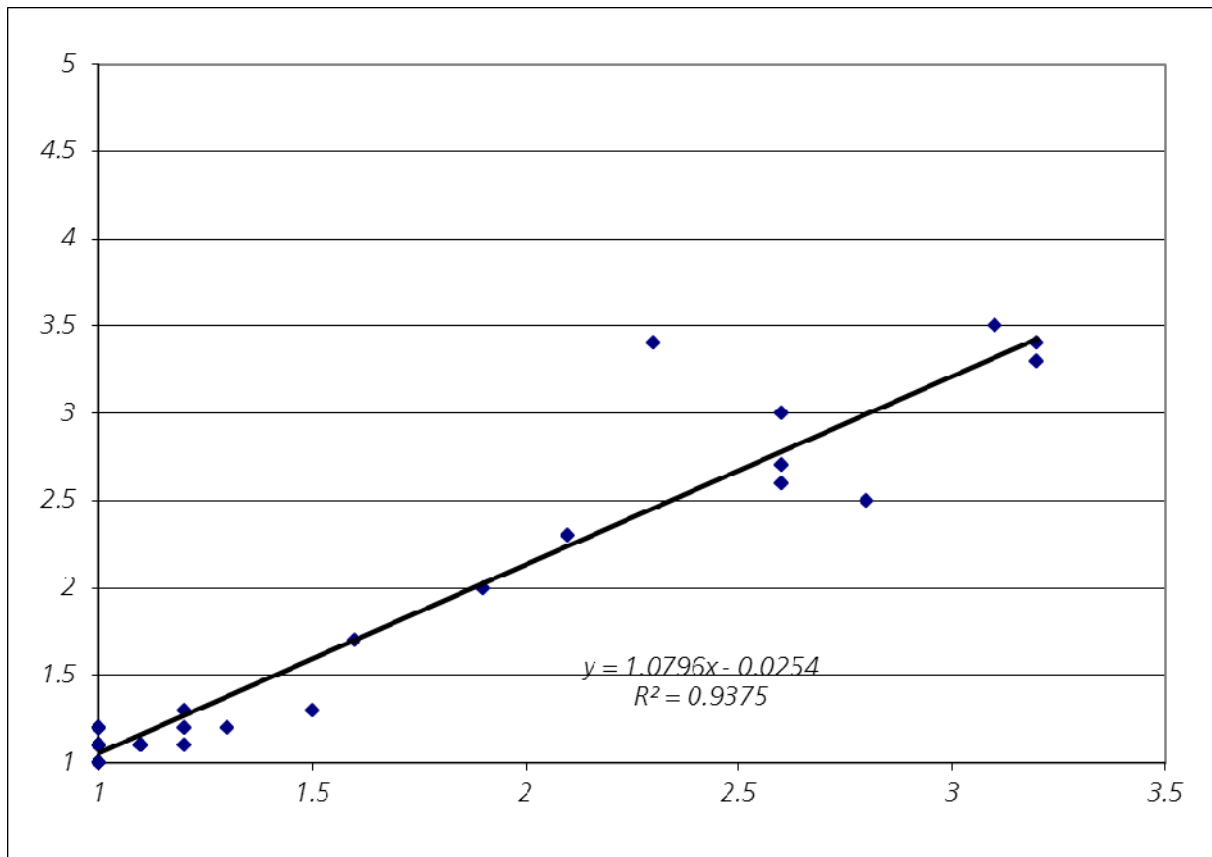


No. Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1 Triage	13	84.6	0.0	15.4	3699	14.2	e*

G10 INR INRatio

INR INRatio

University Hospital Zuerich

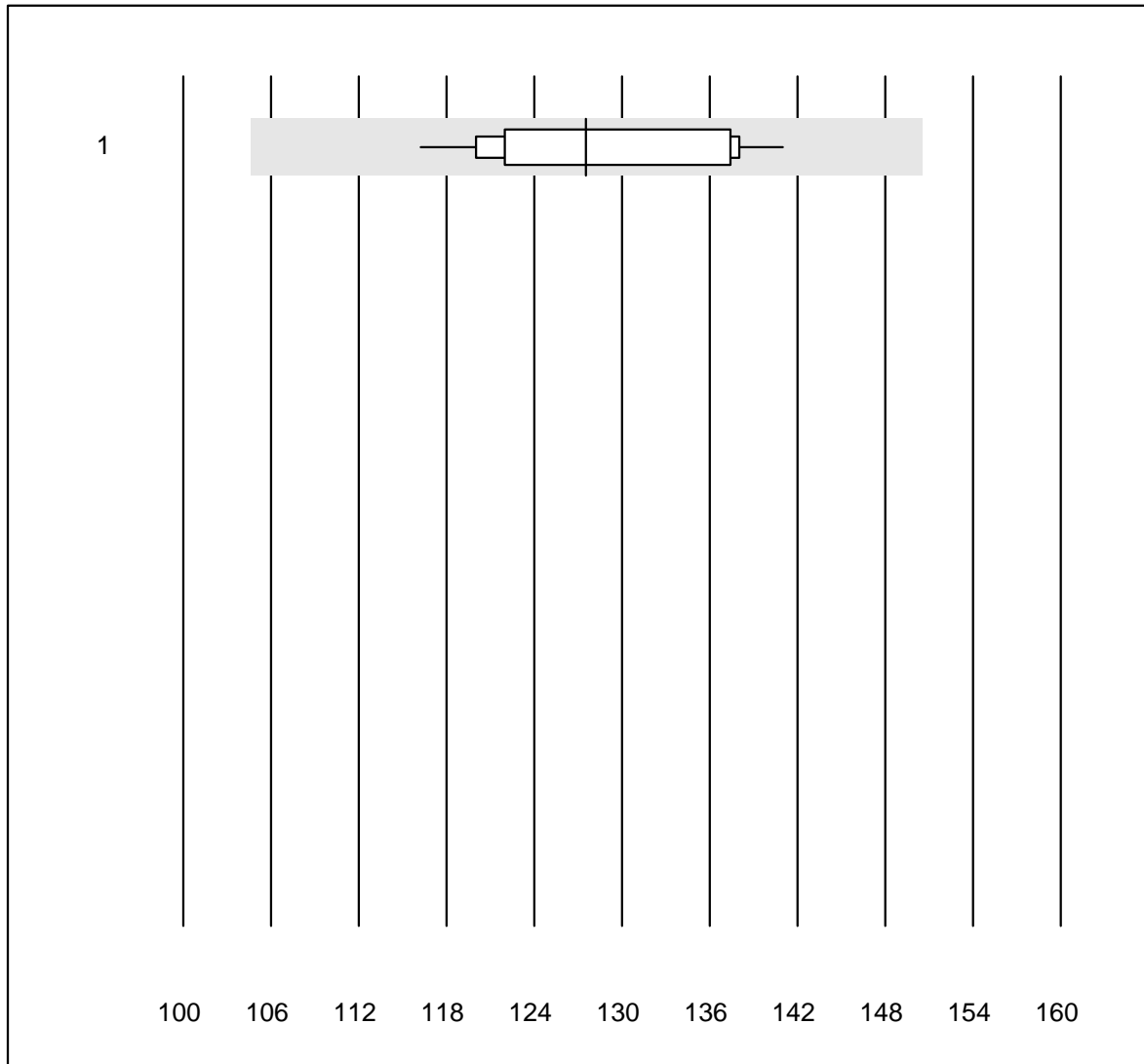


INRatio Participants

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	42	92.86	4.76	2.38

Bilirubin total Neo

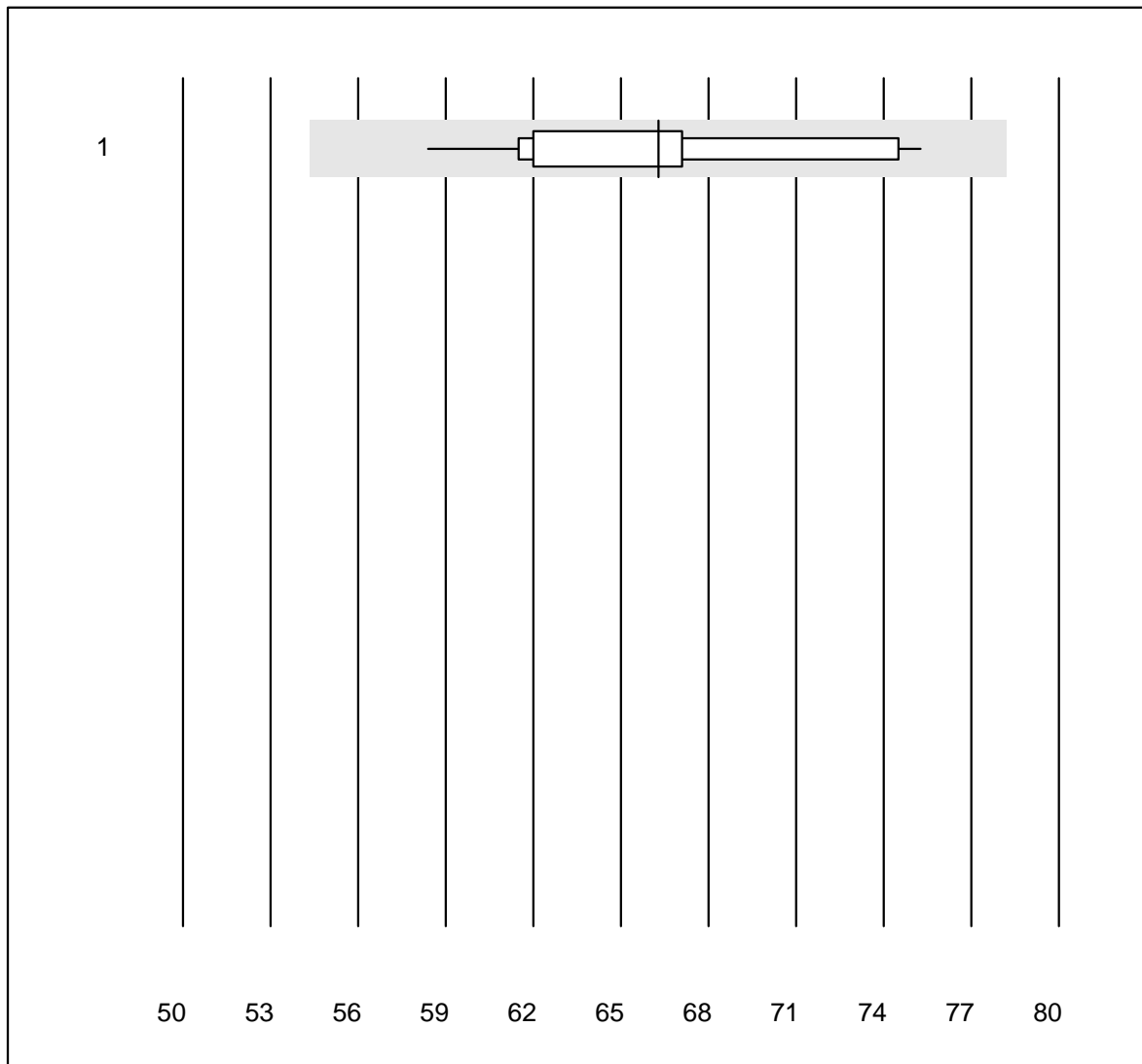


QUALAB tolerance : 18 %

Bilirubin total Neo (µmol/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Type
1	all Participants	15	93.3	0.0	6.7	128	6.4	e

Bilirubin direct

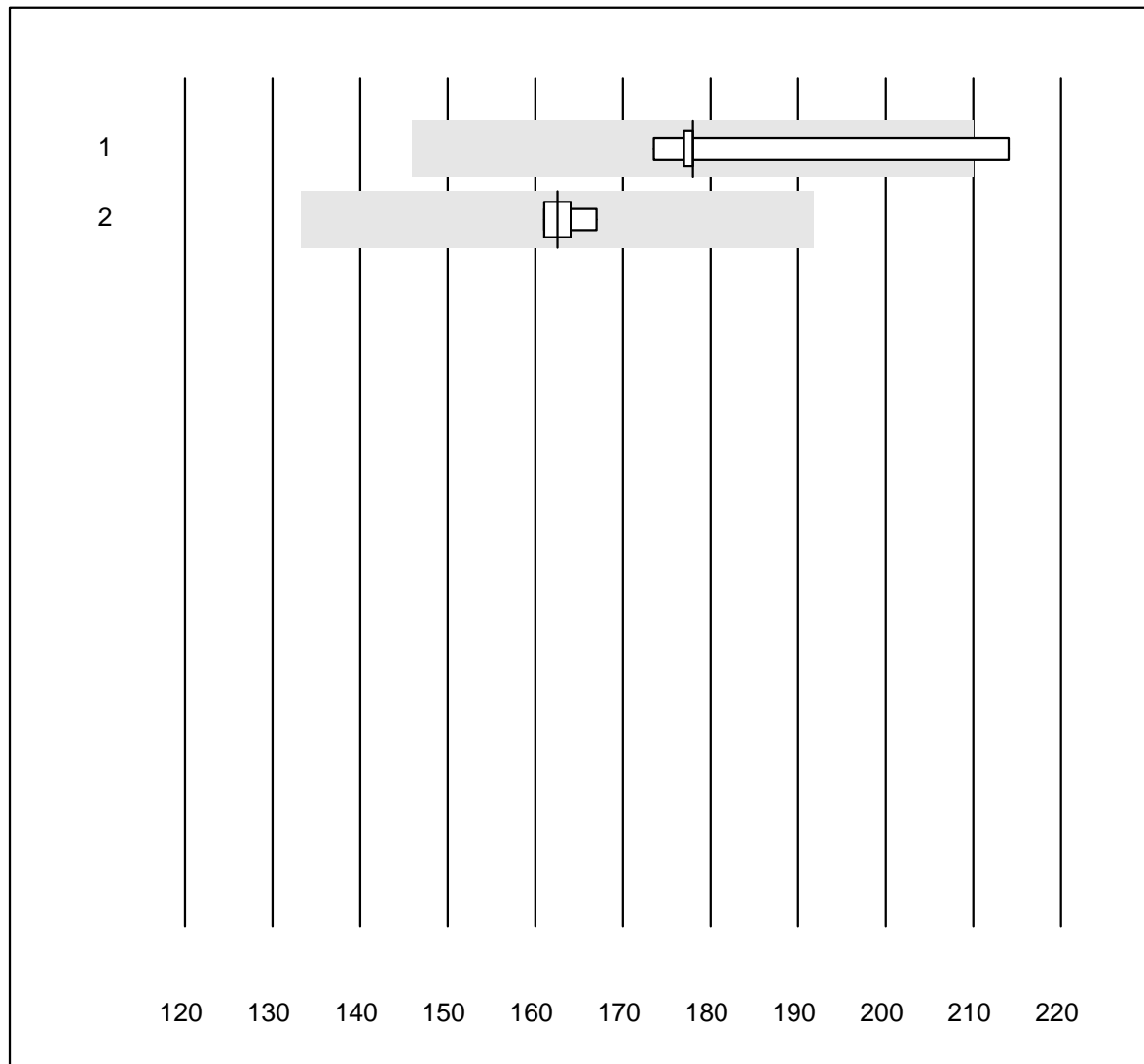


QUALAB tolerance : 18 %

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

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Type
1	all Participants	13	84.6	0.0	15.4	66	7.6	e

Bilirubin neonatal

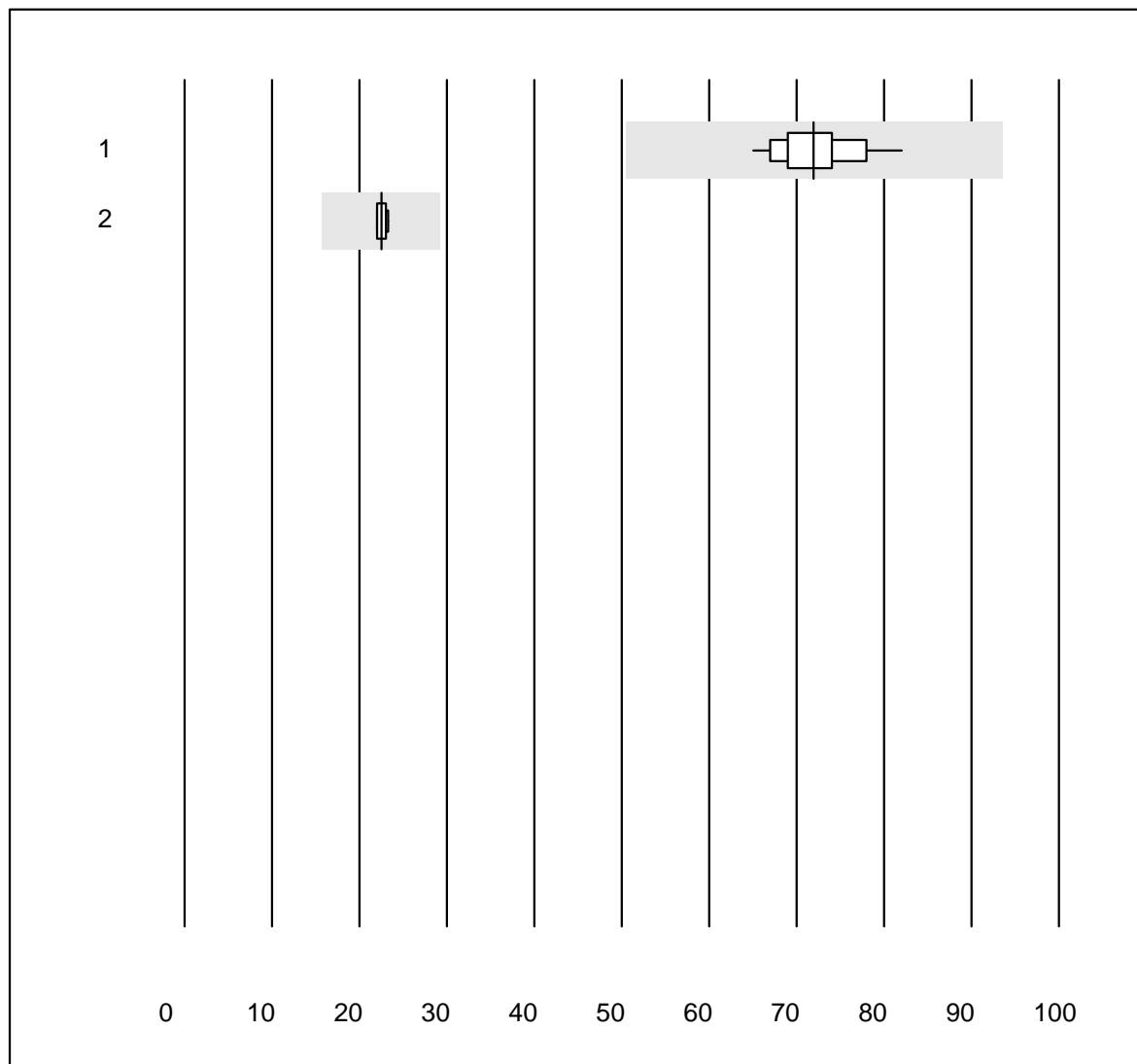


QUALAB tolerance : 18 %

Bilirubin neonatal (µmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	all Participants	6	83.3	16.7	0.0	178	8.3	e*
2	ABL700/800	4	100.0	0.0	0.0	163	1.8	e

CK-MB

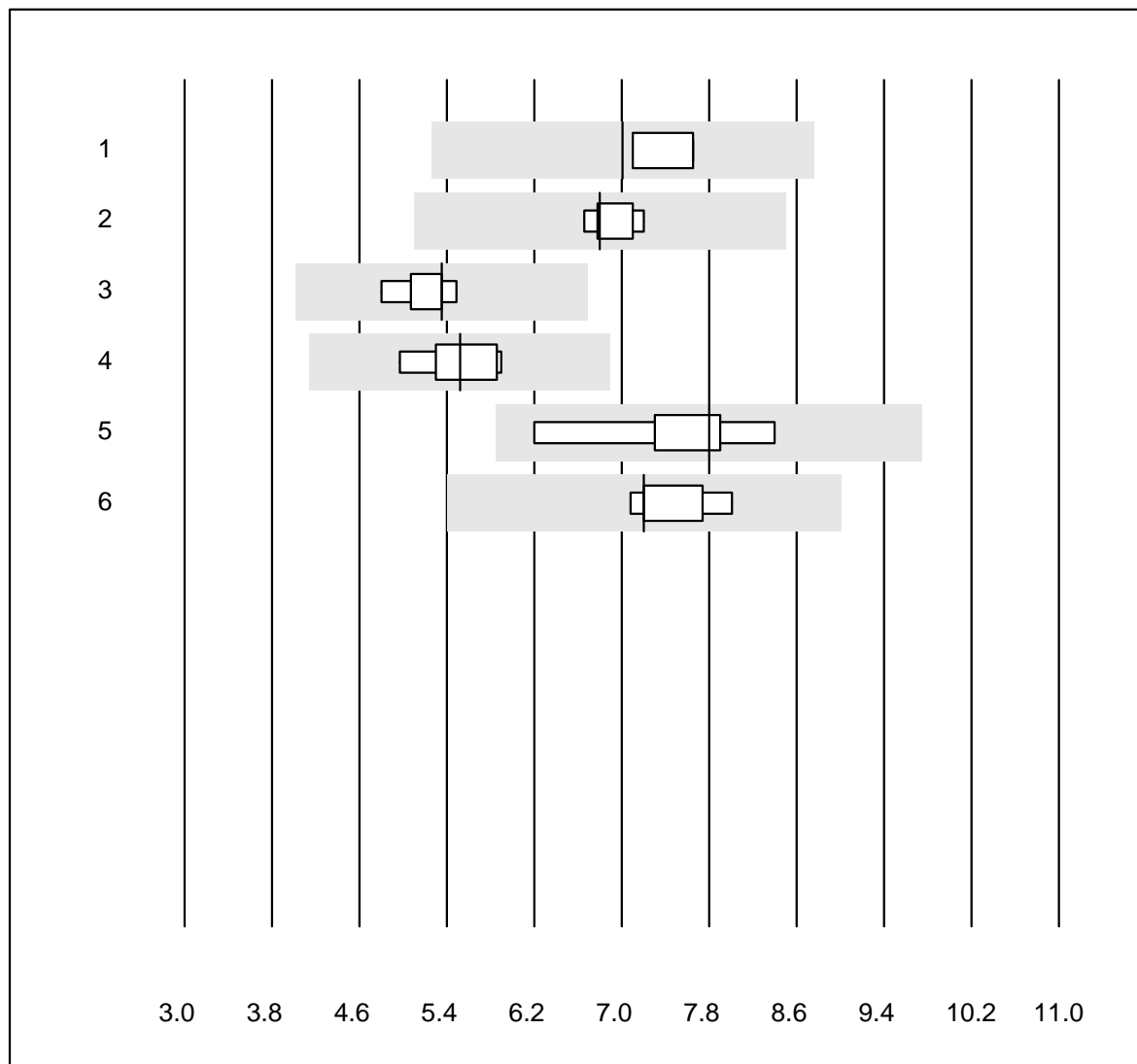


QUALAB tolerance : 30 %

CK-MB (U/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Fuji Dri-Chem	40	95.0	0.0	5.0	72.0	5.7	e
2	Cobas/Roche	4	100.0	0.0	0.0	22.5	3.0	e

PSA

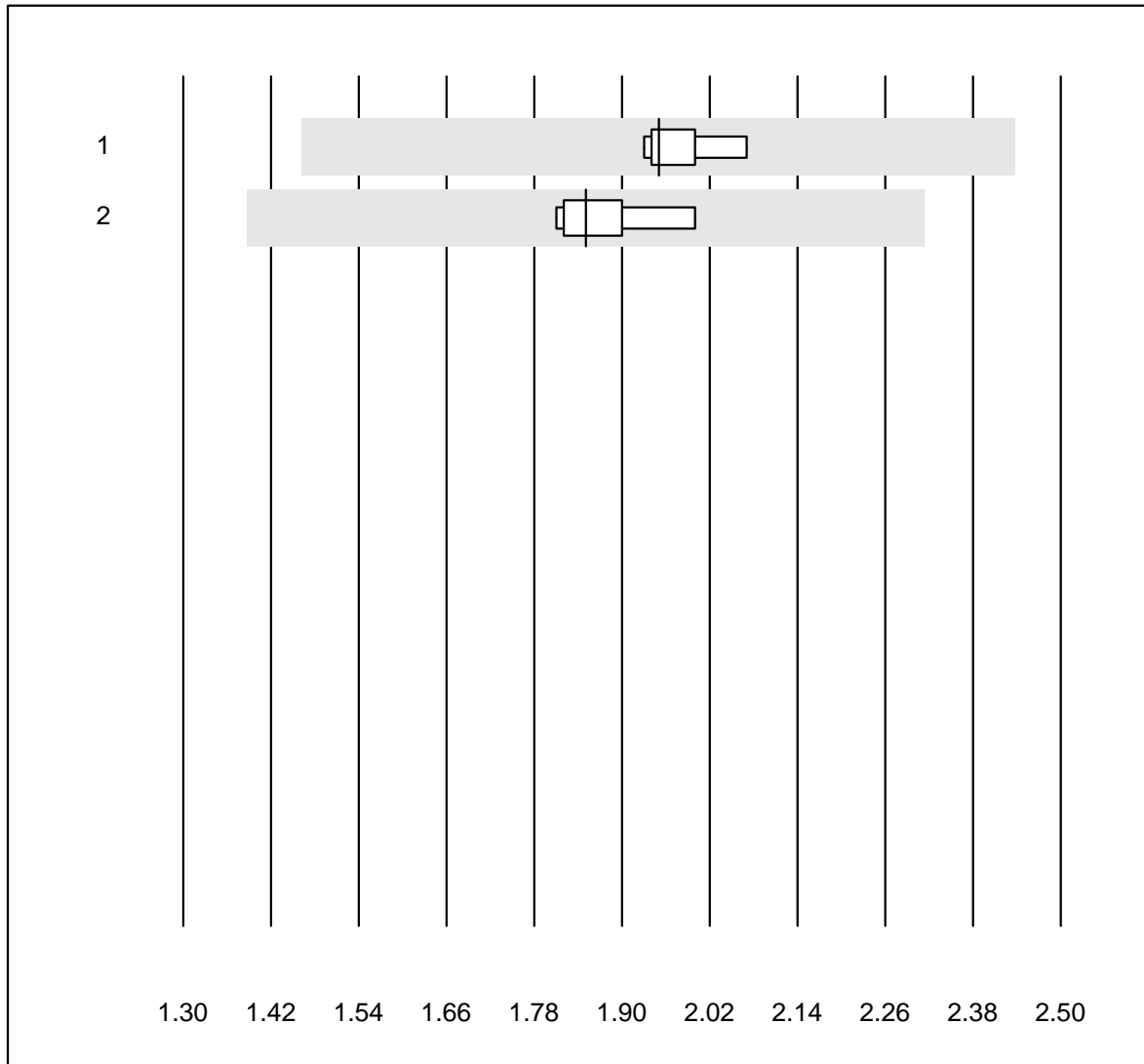


QUALAB tolerance : 25 %

PSA (µg/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Other methods	4	75.0	0.0	25.0	7.01	3.9	a
2	Cobas E / Elecsys	9	100.0	0.0	0.0	6.80	3.0	e
3	ADVIA Centaur XP/CP	5	100.0	0.0	0.0	5.35	5.1	a
4	Architect	6	100.0	0.0	0.0	5.52	6.6	a
5	Qualigen	7	100.0	0.0	0.0	7.80	9.3	e*
6	AFIAS	8	100.0	0.0	0.0	7.20	4.4	a

free PSA

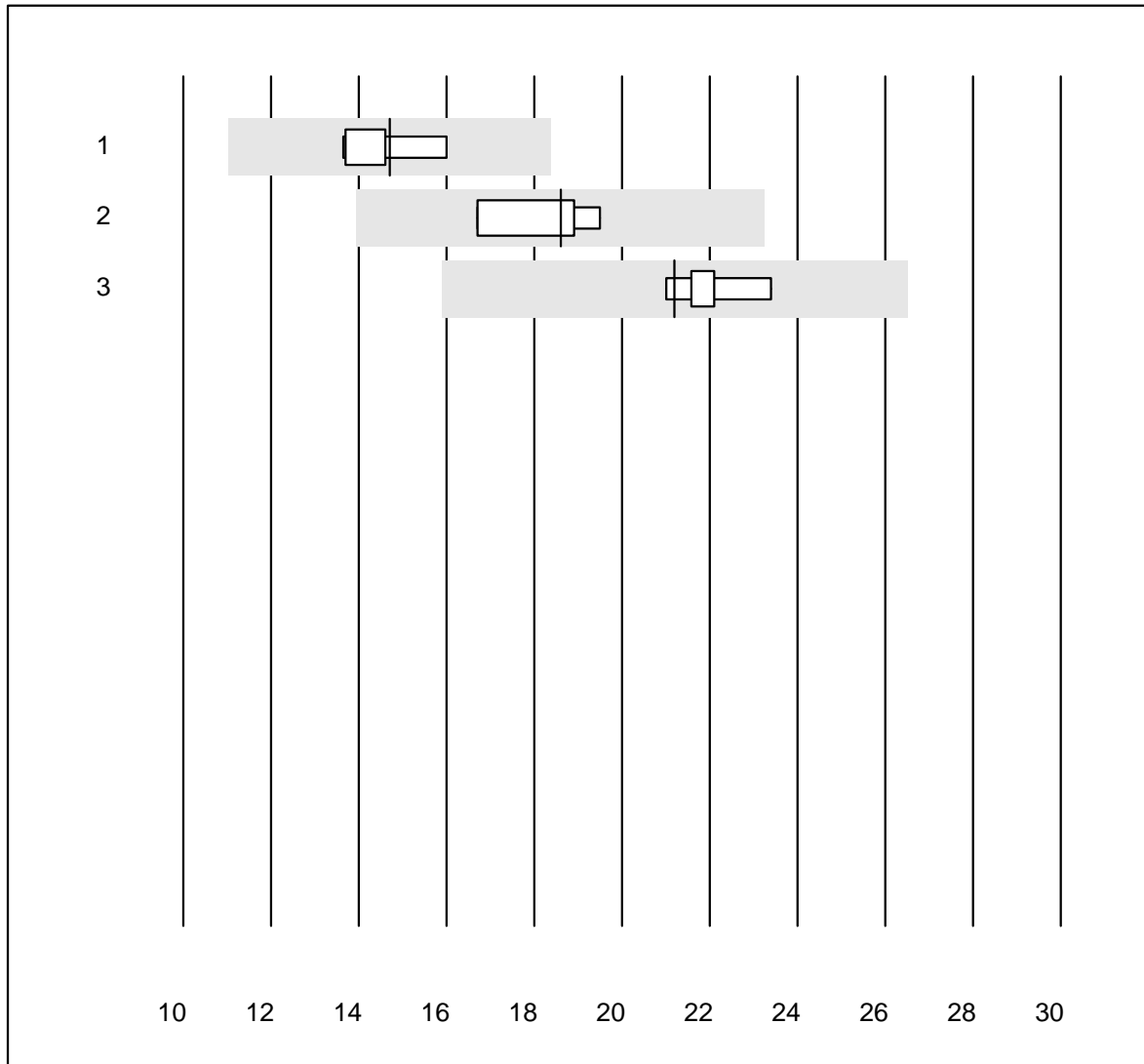


QUALAB tolerance : 25 %

free PSA (µg/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Cobas E / Elecsys	5	100.0	0.0	0.0	1.95	2.8	a
2	Architect	5	100.0	0.0	0.0	1.85	4.1	e

CEA

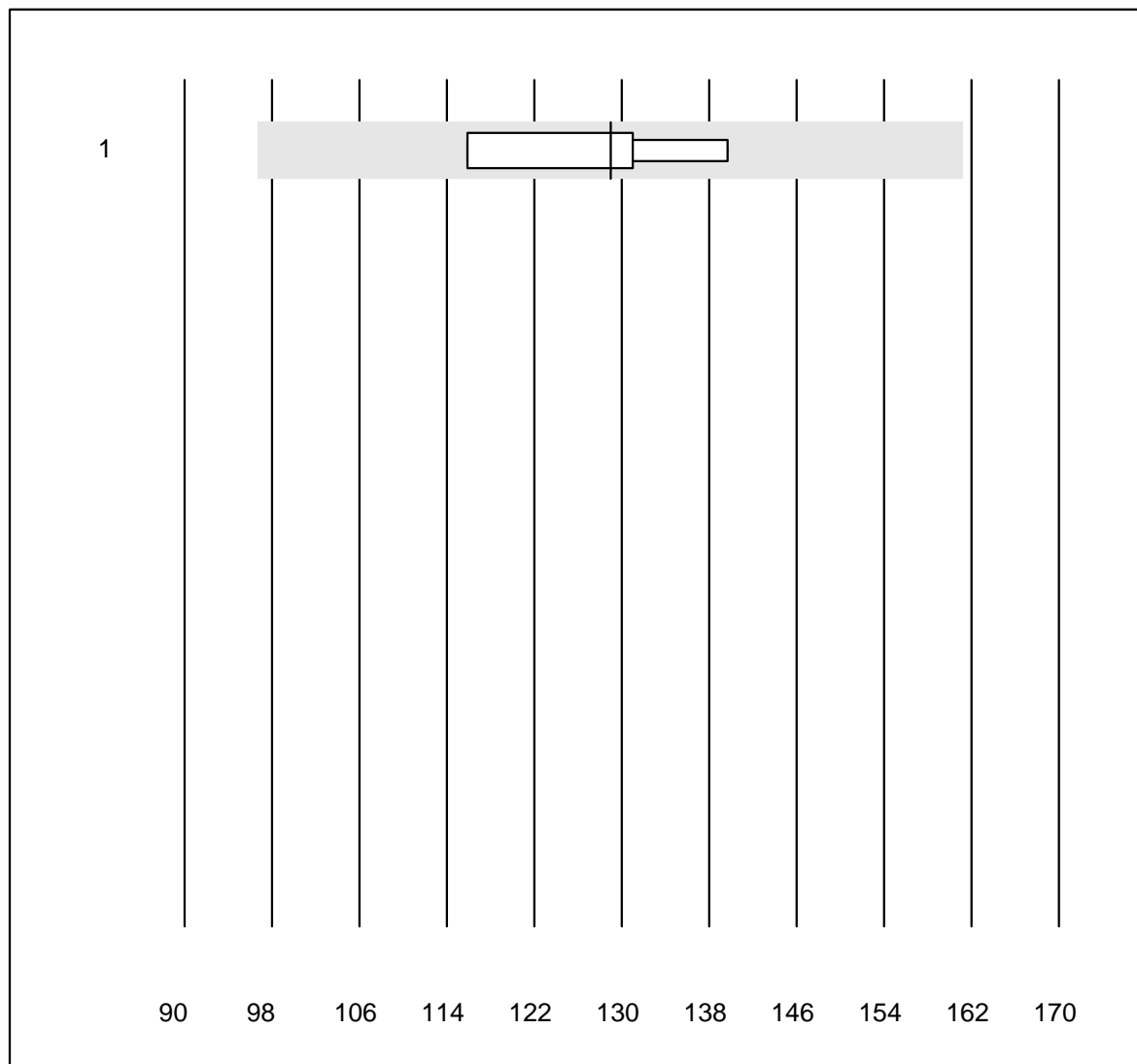


QUALAB tolerance : 25 %

CEA (µg/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Cobas E / Elecsys	6	100.0	0.0	0.0	14.7	5.9	a
2	ADVIA Centaur XP/CP	4	100.0	0.0	0.0	18.6	6.6	e*
3	Architect	5	100.0	0.0	0.0	21.2	4.1	a

CA 125

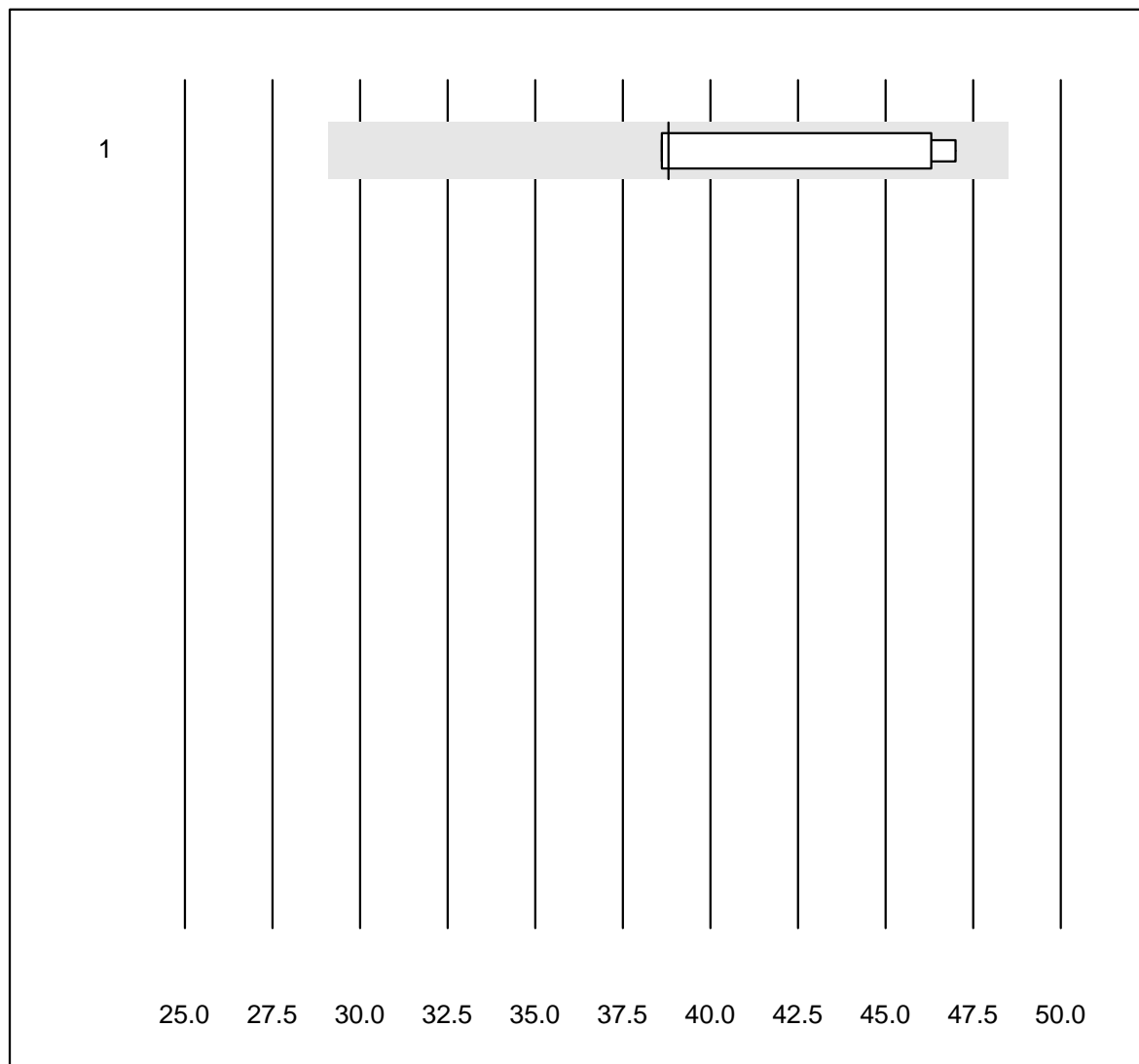


QUALAB tolerance : 25 %

CA 125 (kIU/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Architect	4	100.0	0.0	0.0	129.0	7.9	a

CA 15-3

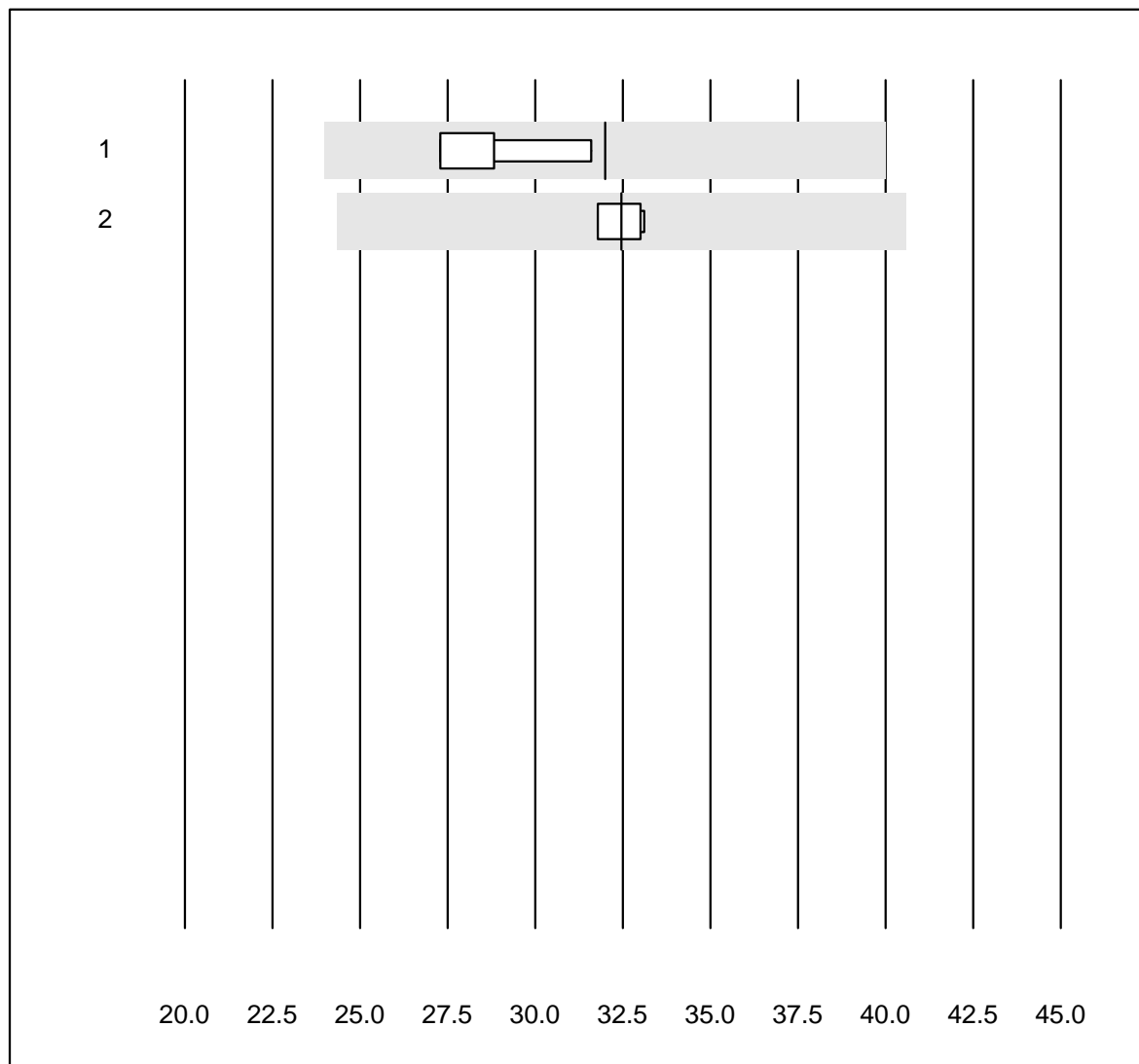


QUALAB tolerance : 25 %

CA 15-3 (kIU/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Architect	4	100.0	0.0	0.0	38.8	9.3	a

AFP

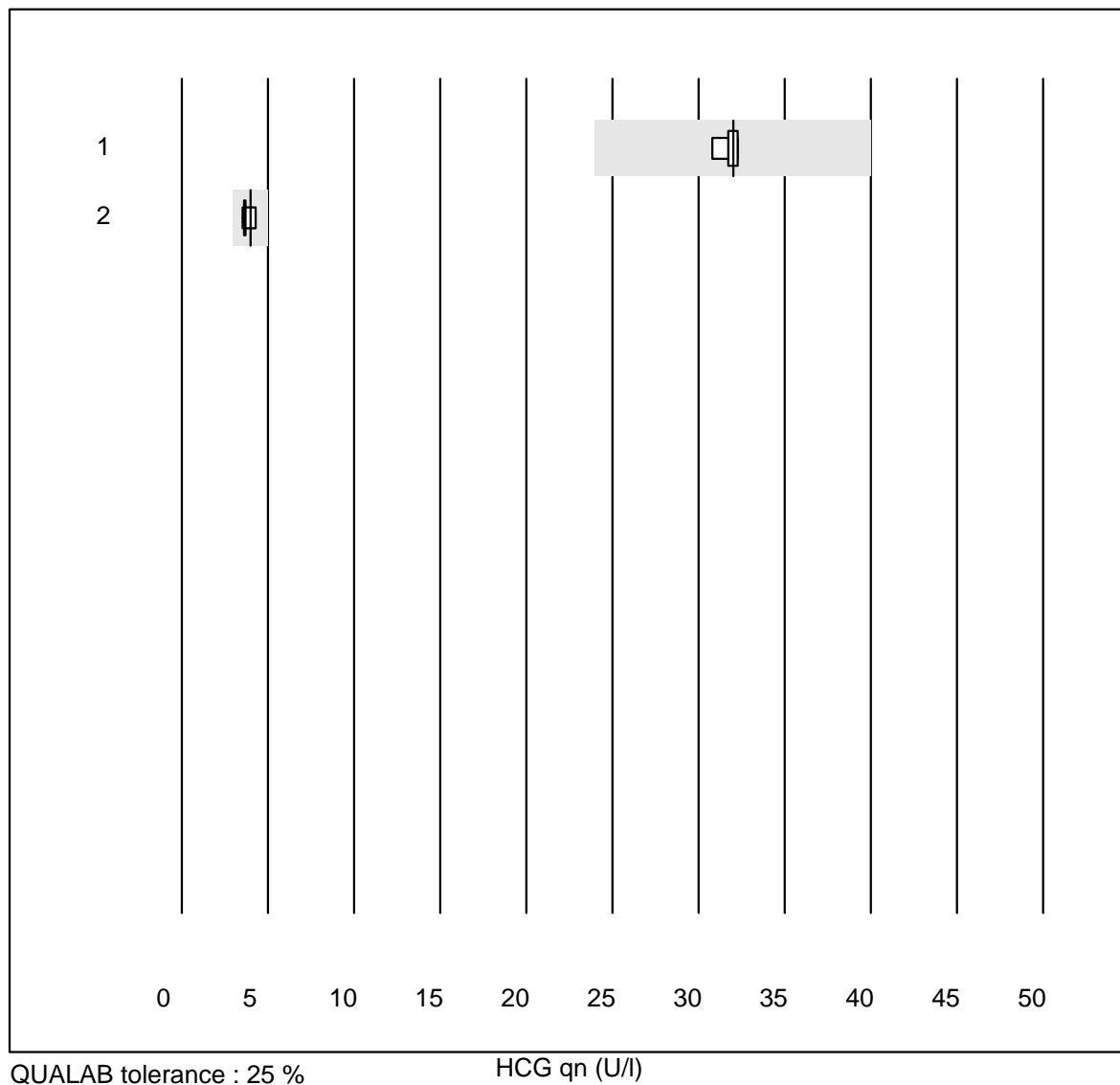


QUALAB tolerance : 25 %

AFP (µg/l)

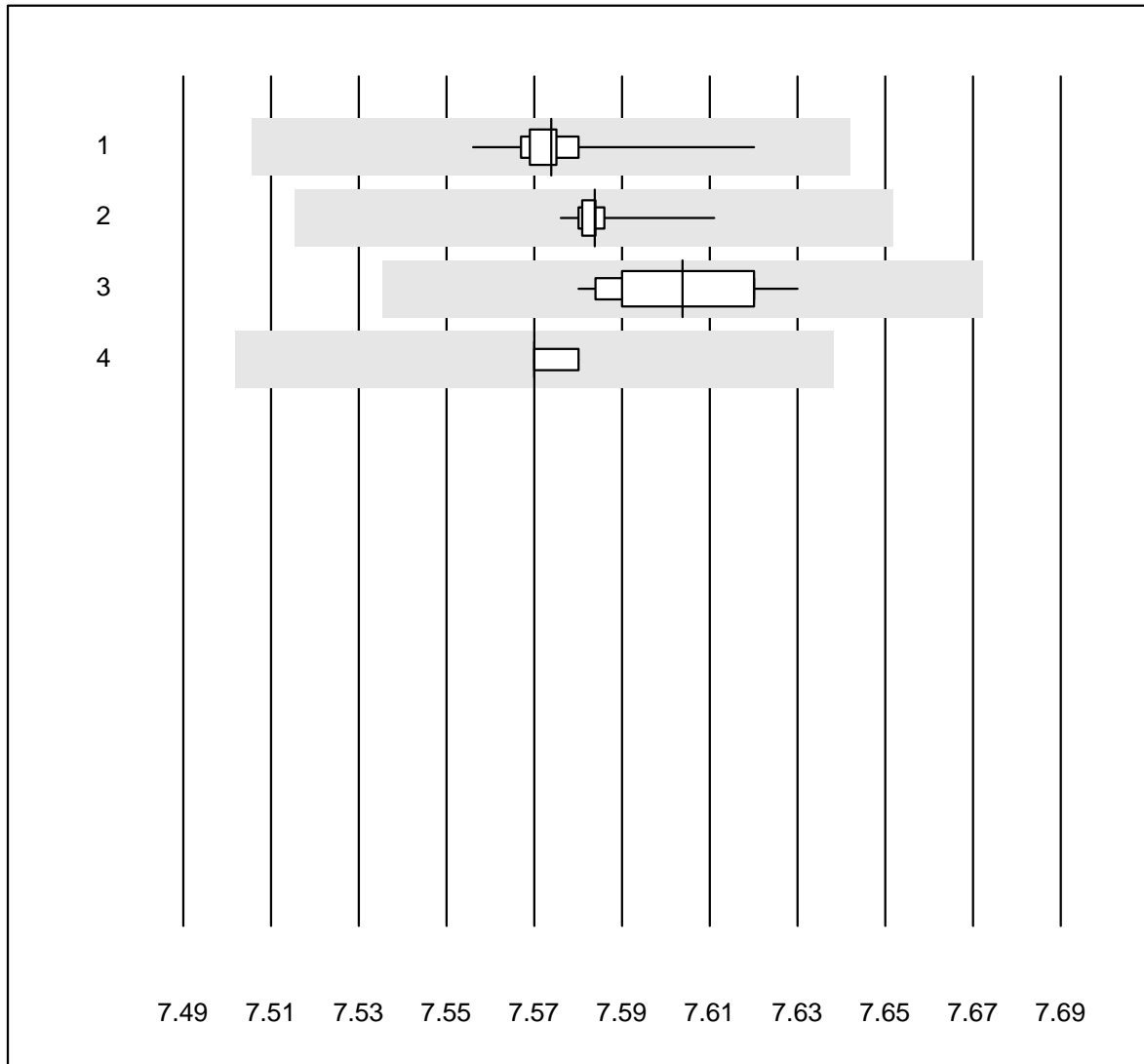
No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Cobas E / Elecsys	4	100.0	0.0	0.0	32	6.5	a
2	Architect	4	100.0	0.0	0.0	32	2.1	a

HCG qn



No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Cobas E / Elecsys	5	100.0	0.0	0.0	32	1.9	a
2	Vidas	5	100.0	0.0	0.0	4	7.9	a

pH OR

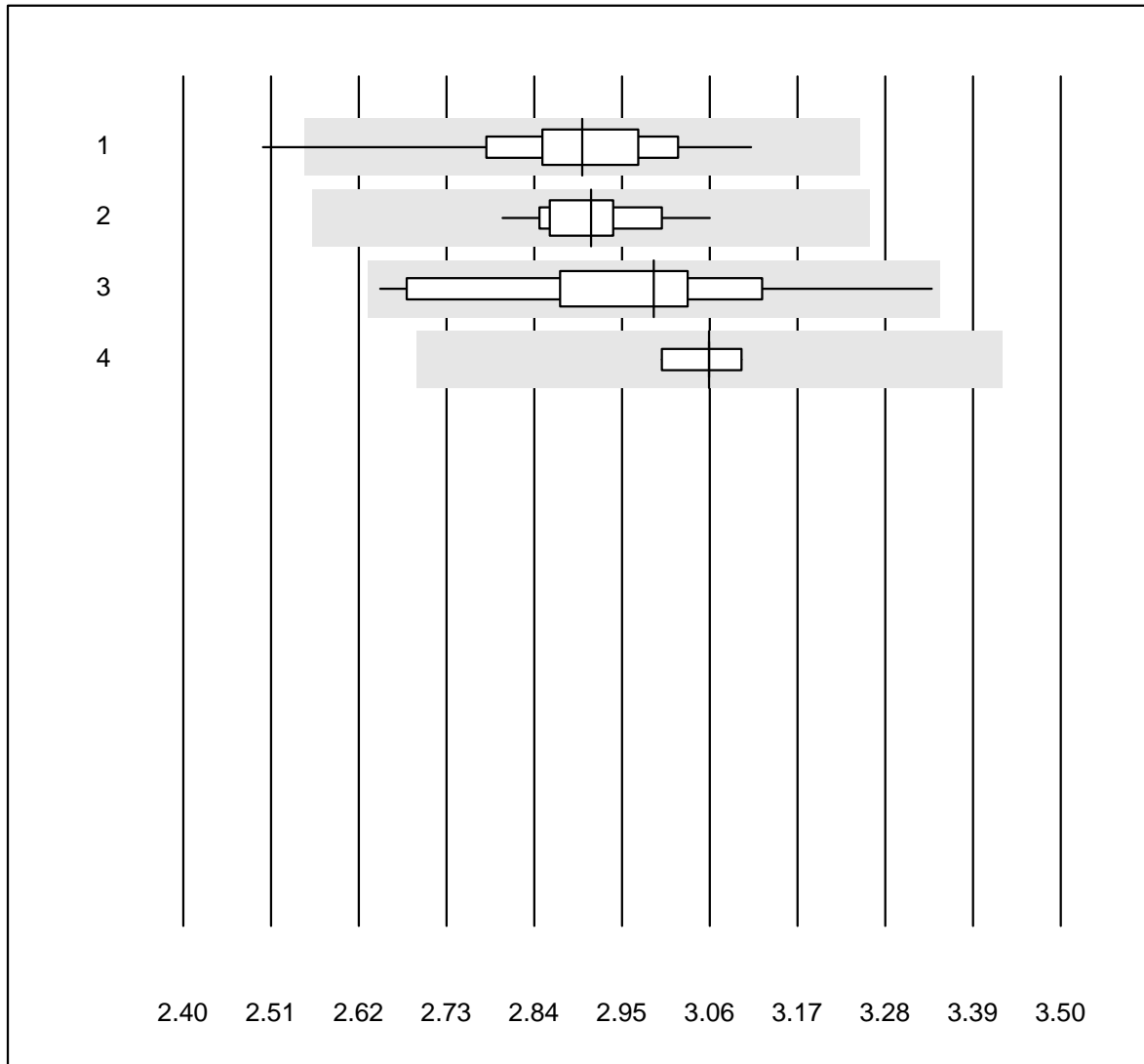


QUALAB tolerance : 1 %

pH OR ()

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	ABL700/800	80	100.0	0.0	0.0	7.57	0.1	e
2	ABL 90	33	100.0	0.0	0.0	7.58	0.1	e
3	ABL 80 / Coox	25	100.0	0.0	0.0	7.60	0.2	e
4	ABL 5	5	100.0	0.0	0.0	7.57	0.1	e

pCO2 OR

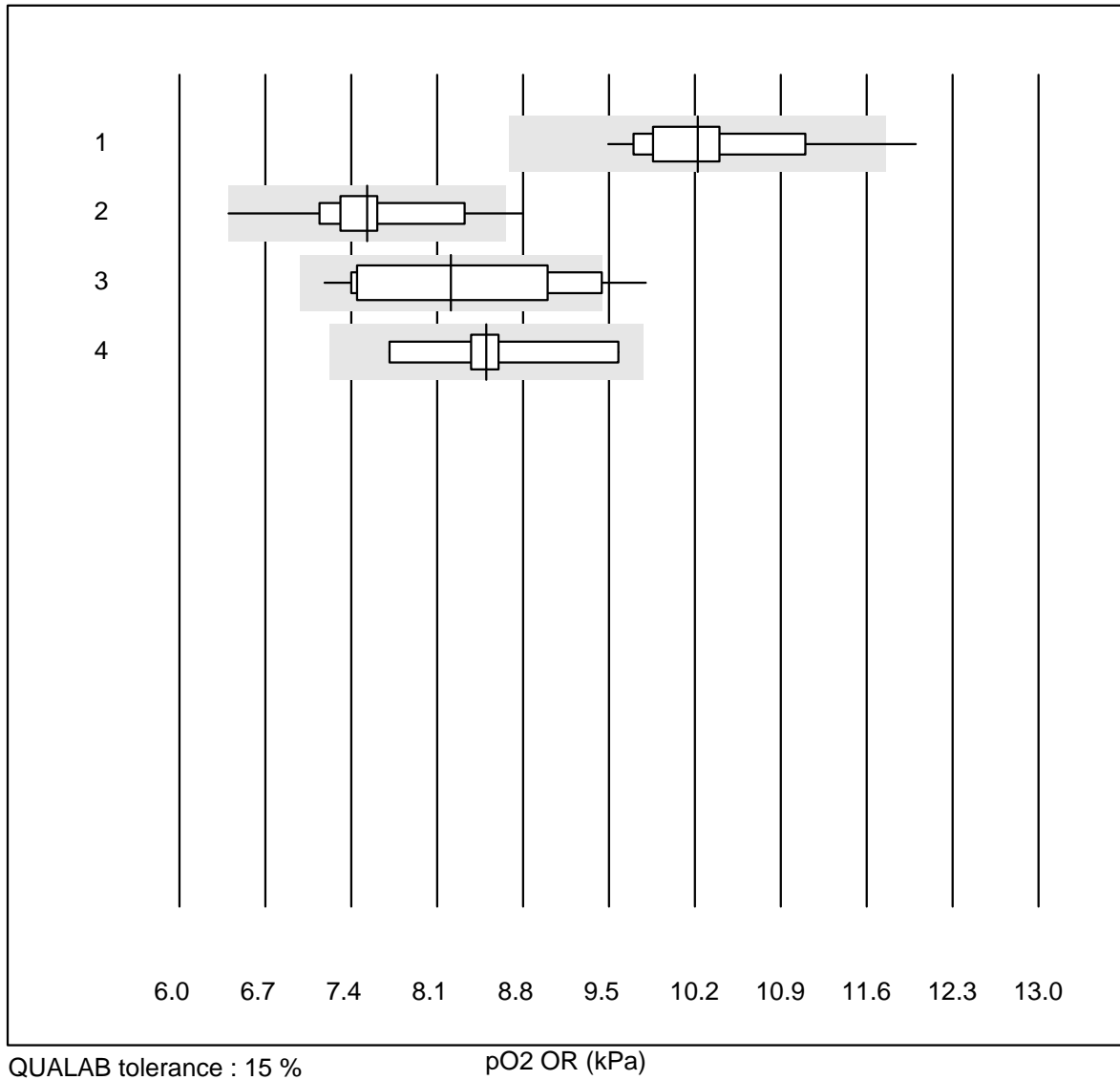


QUALAB tolerance : 12 %

pCO2 OR (kPa)

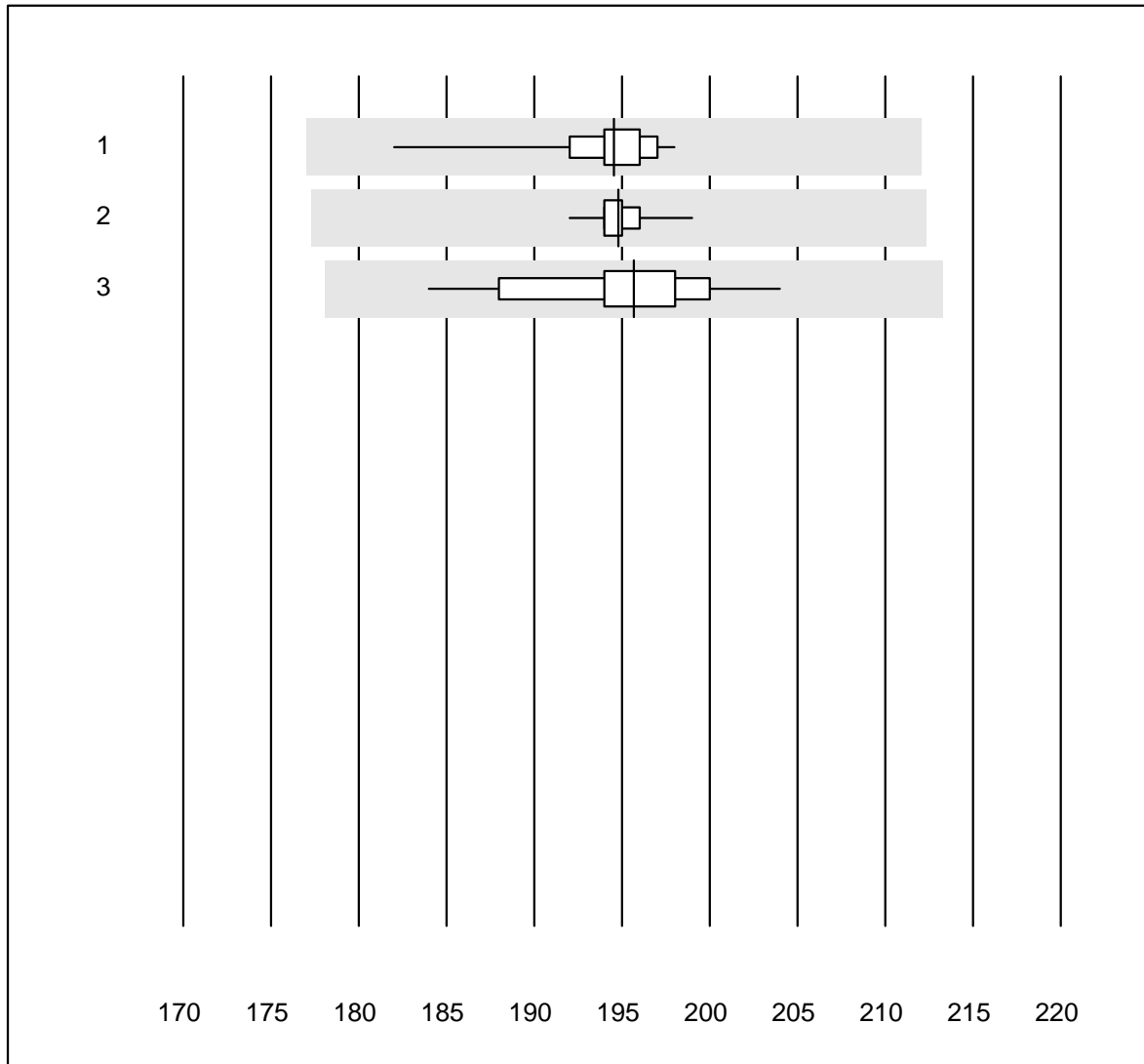
No. Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1 ABL700/800	79	97.5	2.5	0.0	2.90	3.8	e
2 ABL 90	33	97.0	0.0	3.0	2.91	2.2	e
3 ABL 80 / Coox	25	92.0	0.0	8.0	2.99	5.5	e
4 ABL 5	5	100.0	0.0	0.0	3.06	1.2	e

pO2 OR



No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	ABL700/800	79	89.9	2.5	7.6	10.22	5.5	e
2	ABL 90	32	81.2	6.3	12.5	7.53	6.3	e
3	ABL 80 / Coox	25	76.0	8.0	16.0	8.21	10.8	e*
4	ABL 5	5	100.0	0.0	0.0	8.50	7.8	e*

ctHb OR

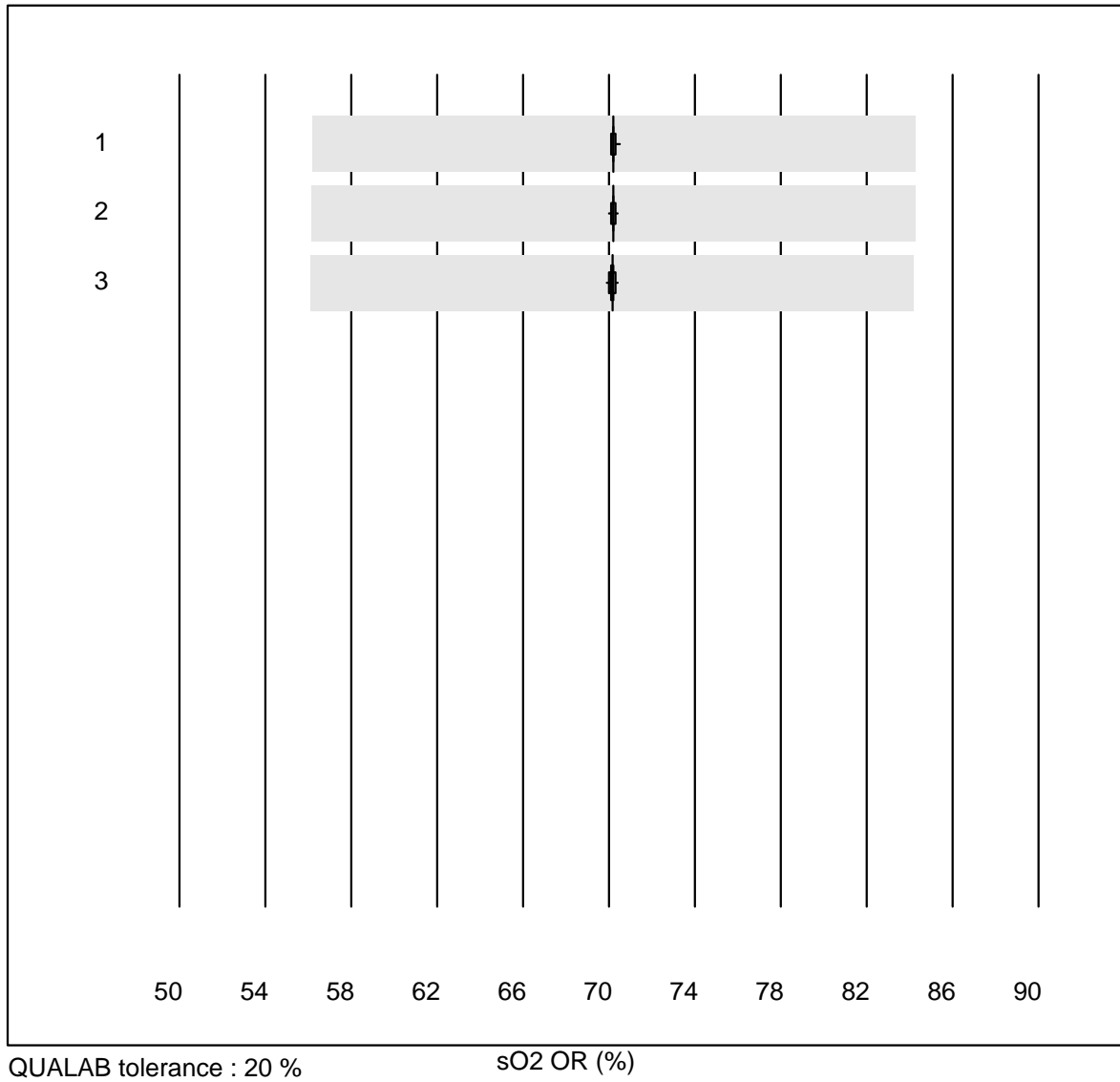


QUALAB tolerance : 9 %

ctHb OR (g/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	ABL700/800	69	100.0	0.0	0.0	194.5	1.6	e
2	ABL 90	33	100.0	0.0	0.0	194.8	0.7	e
3	ABL 80 / Coox	17	88.2	0.0	11.8	195.7	2.4	e

sO2 OR

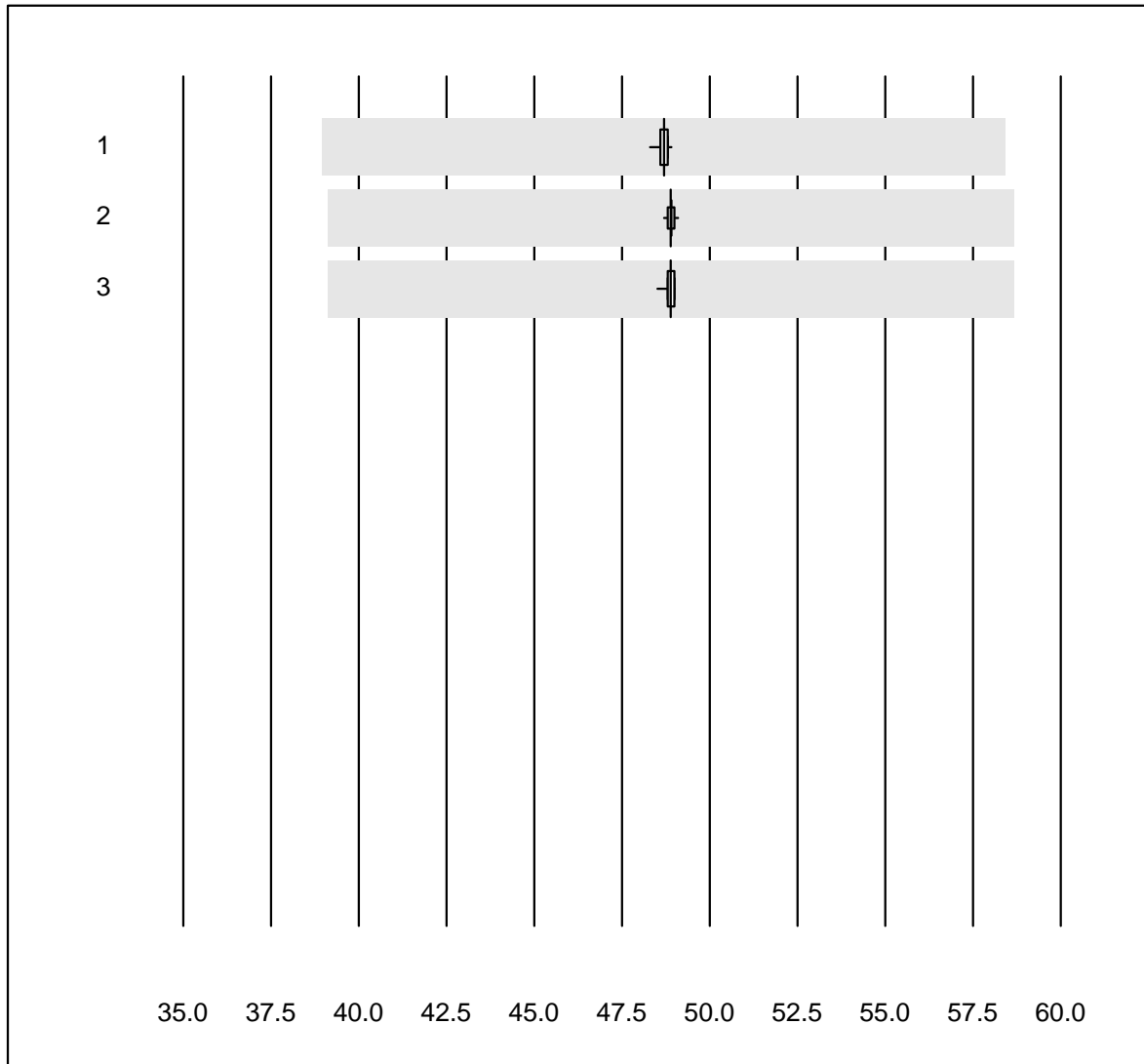


QUALAB tolerance : 20 %

sO2 OR (%)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	ABL700/800	54	100.0	0.0	0.0	70.217	0.1	e
2	ABL 90	31	100.0	0.0	0.0	70.200	0.1	e
3	ABL 80 / Coox	15	86.7	0.0	13.3	70.154	0.2	e

FO2Hb OR

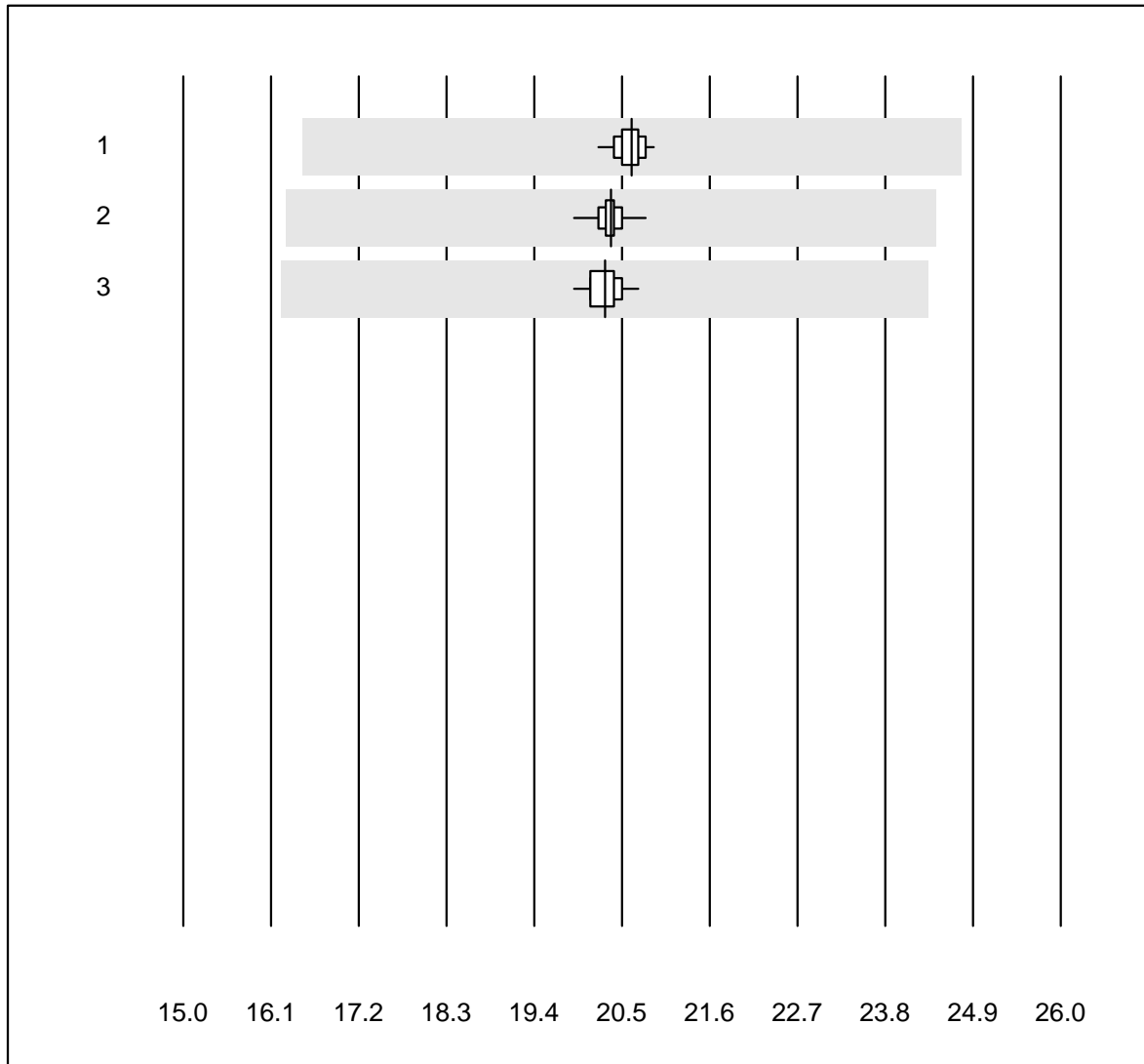


QUALAB tolerance : 20 %

FO2Hb OR (%)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	ABL700/800	49	100.0	0.0	0.0	48.692	0.2	e
2	ABL 90	32	100.0	0.0	0.0	48.897	0.2	e
3	ABL 80 / Coox	16	100.0	0.0	0.0	48.888	0.3	e

FCOHb OR

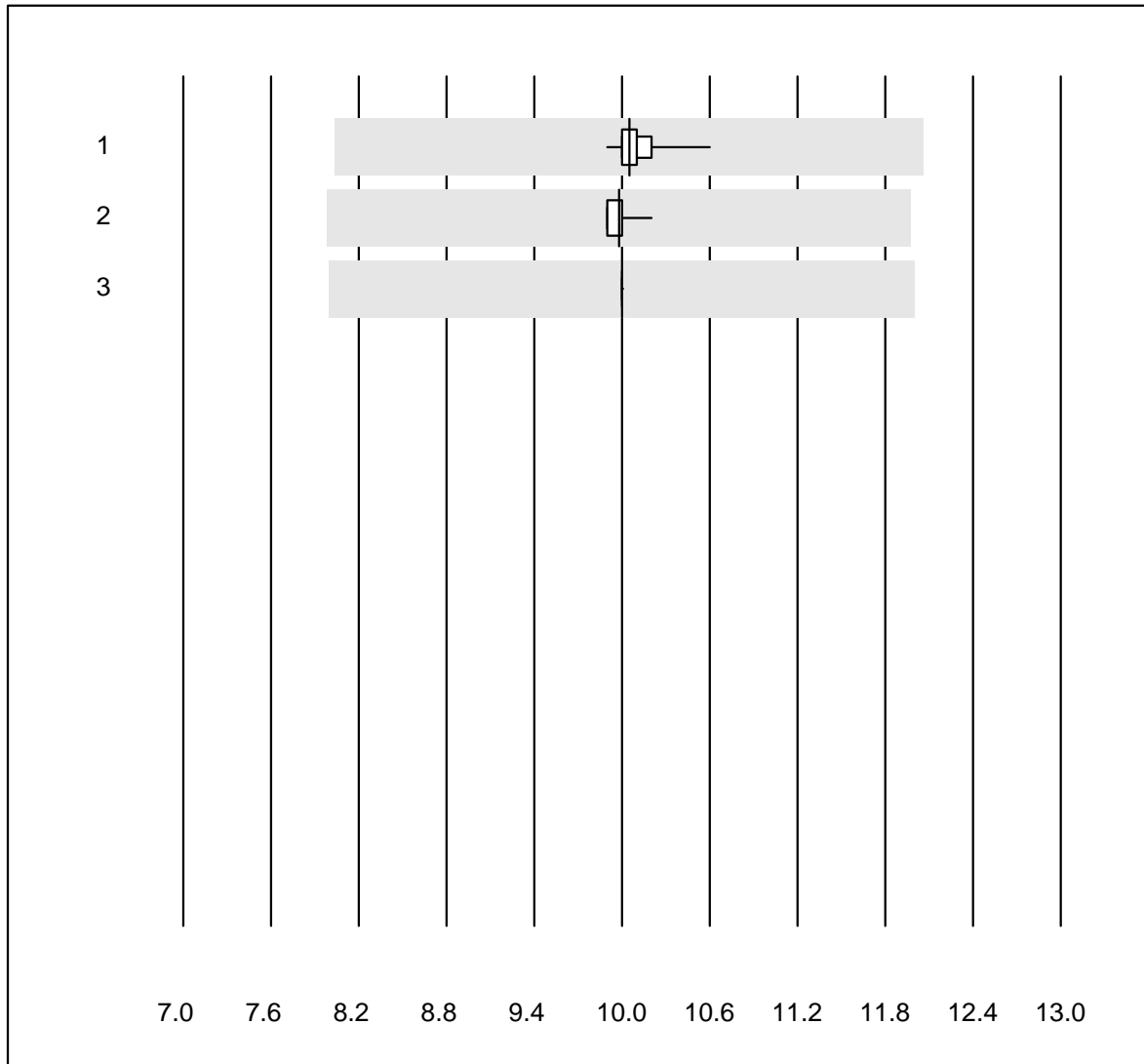


QUALAB tolerance : 20 %

FCOHb OR (%)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	ABL700/800	51	100.0	0.0	0.0	20.624	0.8	e
2	ABL 90	31	100.0	0.0	0.0	20.358	0.8	e
3	ABL 80 / Coox	16	100.0	0.0	0.0	20.288	1.0	e

FMetHb OR

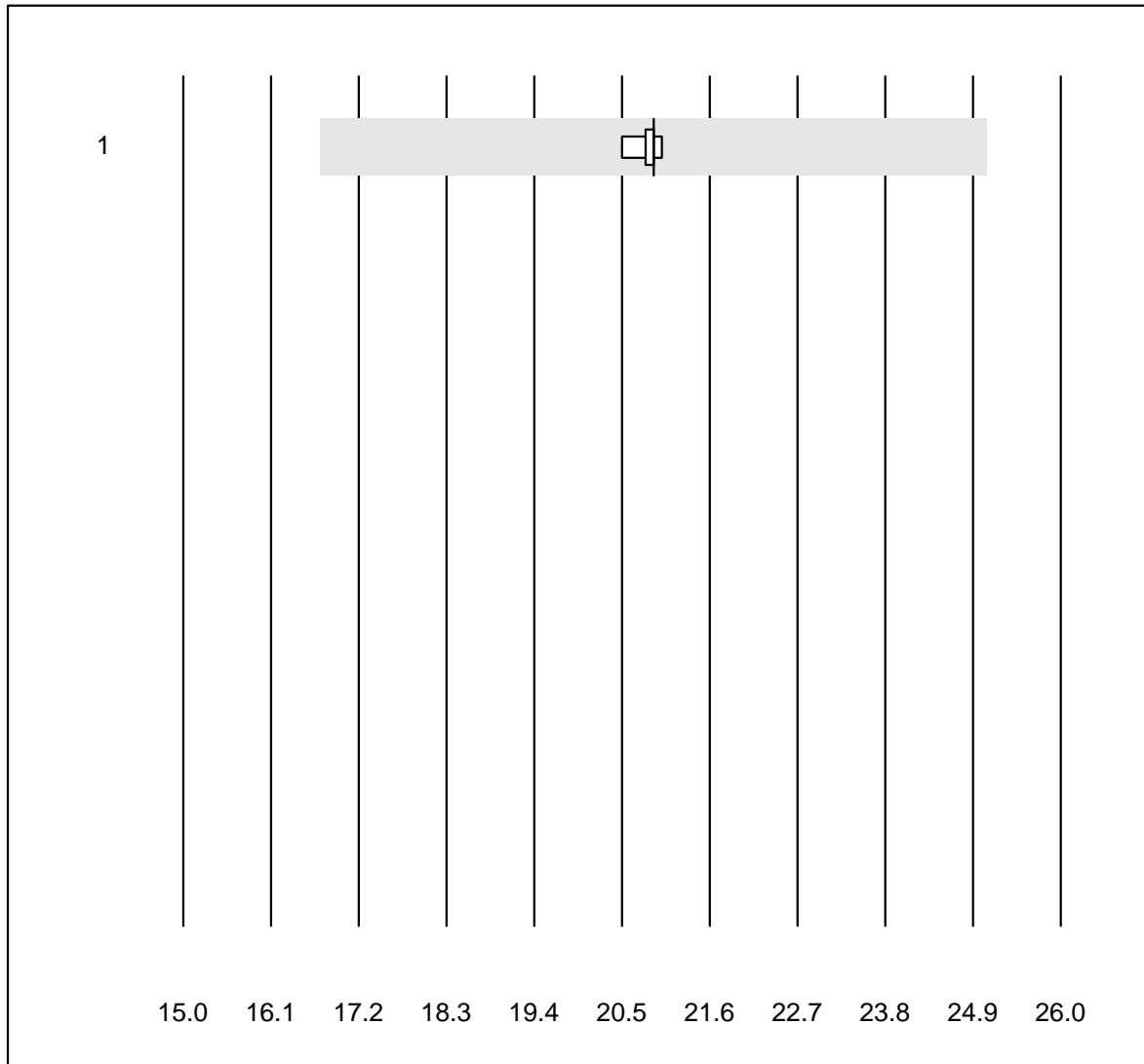


QUALAB tolerance : 20 %

FMetHb OR (%)

No. Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1 ABL700/800	54	100.0	0.0	0.0	10.050	1.4	e
2 ABL 90	31	100.0	0.0	0.0	9.977	0.6	e
3 ABL 80 / Coox	16	100.0	0.0	0.0	10.000	0.0	e

FHHb

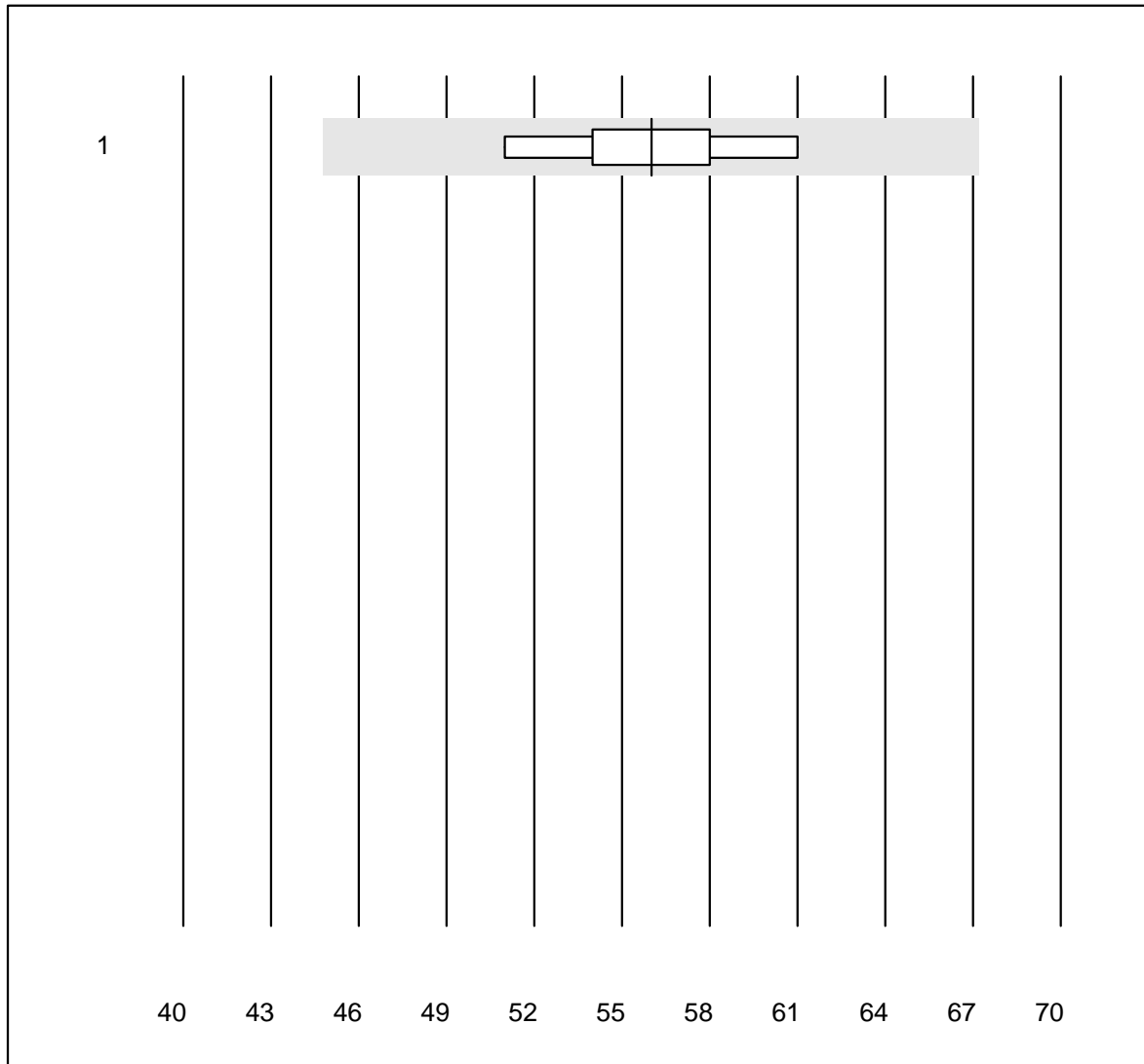


QUALAB tolerance : 20 %

FHHb (%)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Type
1	ABL 80 / Coox	6	100.0	0.0	0.0	20.900	0.8	e

FHbF OR

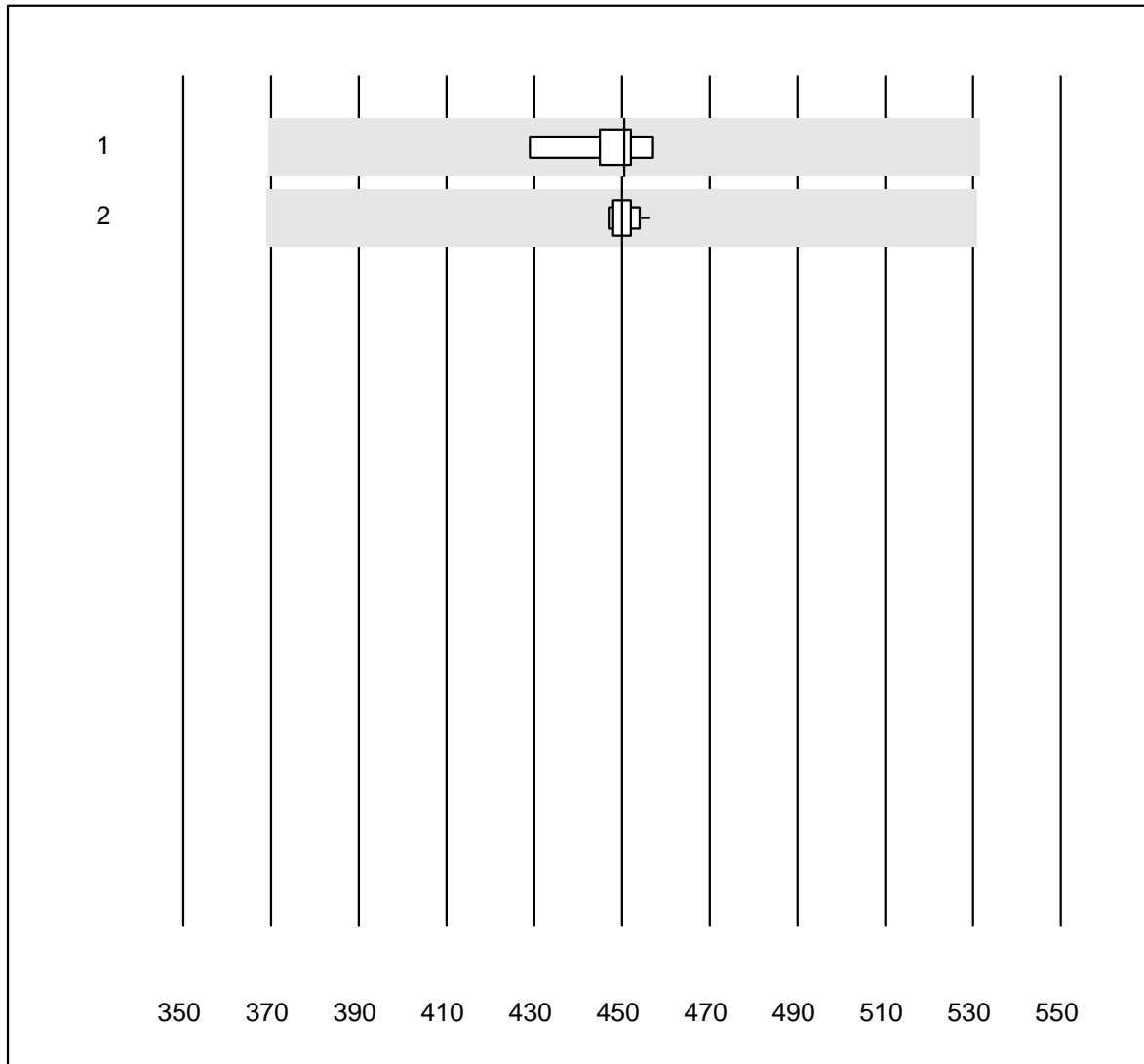


QUALAB tolerance : 20 %

FHbF OR (%)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Type
1	ABL 90	7	100.0	0.0	0.0	56.000	5.6	e

Bilirubin OR

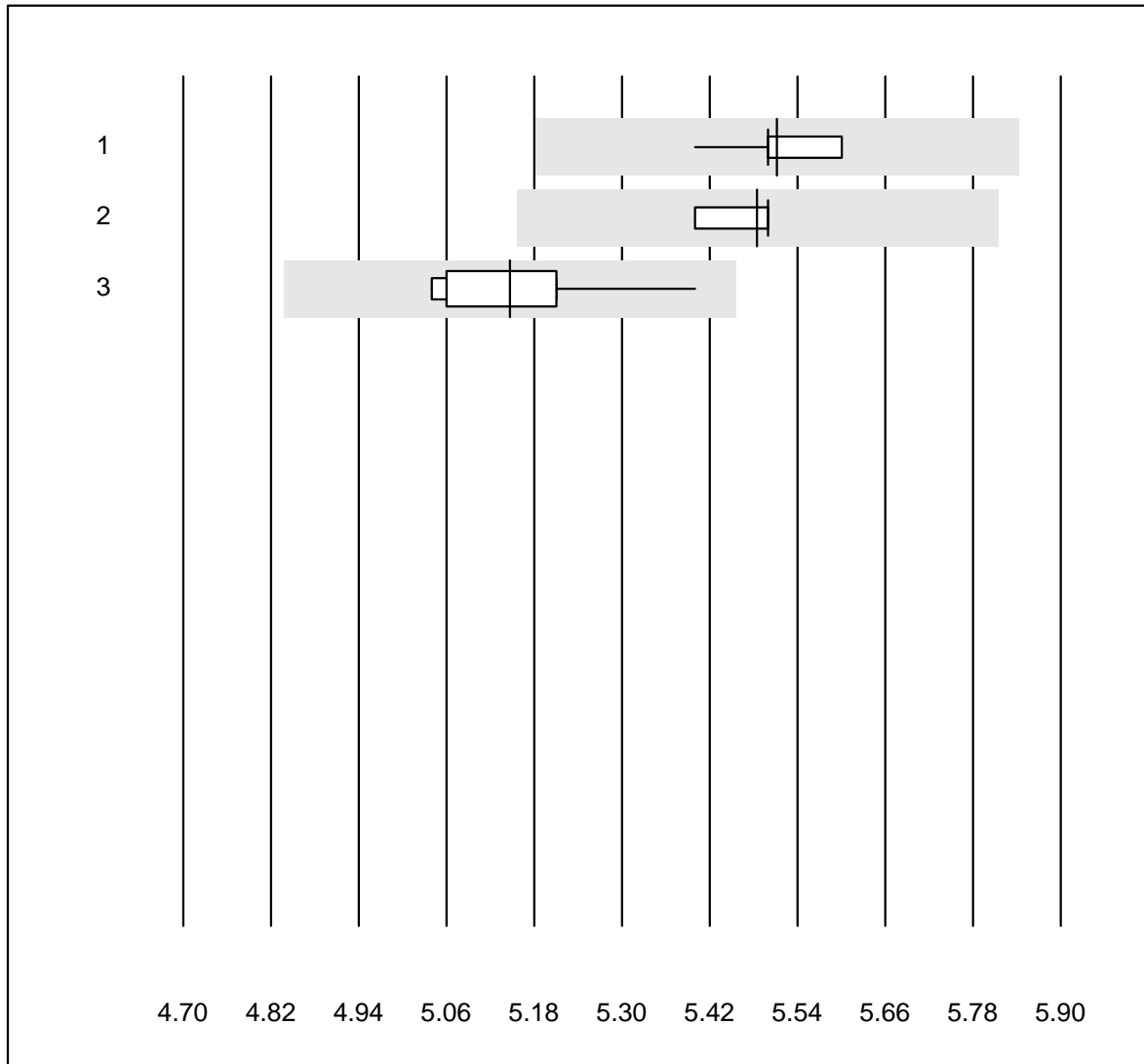


QUALAB tolerance : 18 %

Bilirubin OR (µmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	ABL700/800	6	100.0	0.0	0.0	450.5	2.2	e
2	ABL 90	13	100.0	0.0	0.0	450.1	0.6	e

Potassium OR

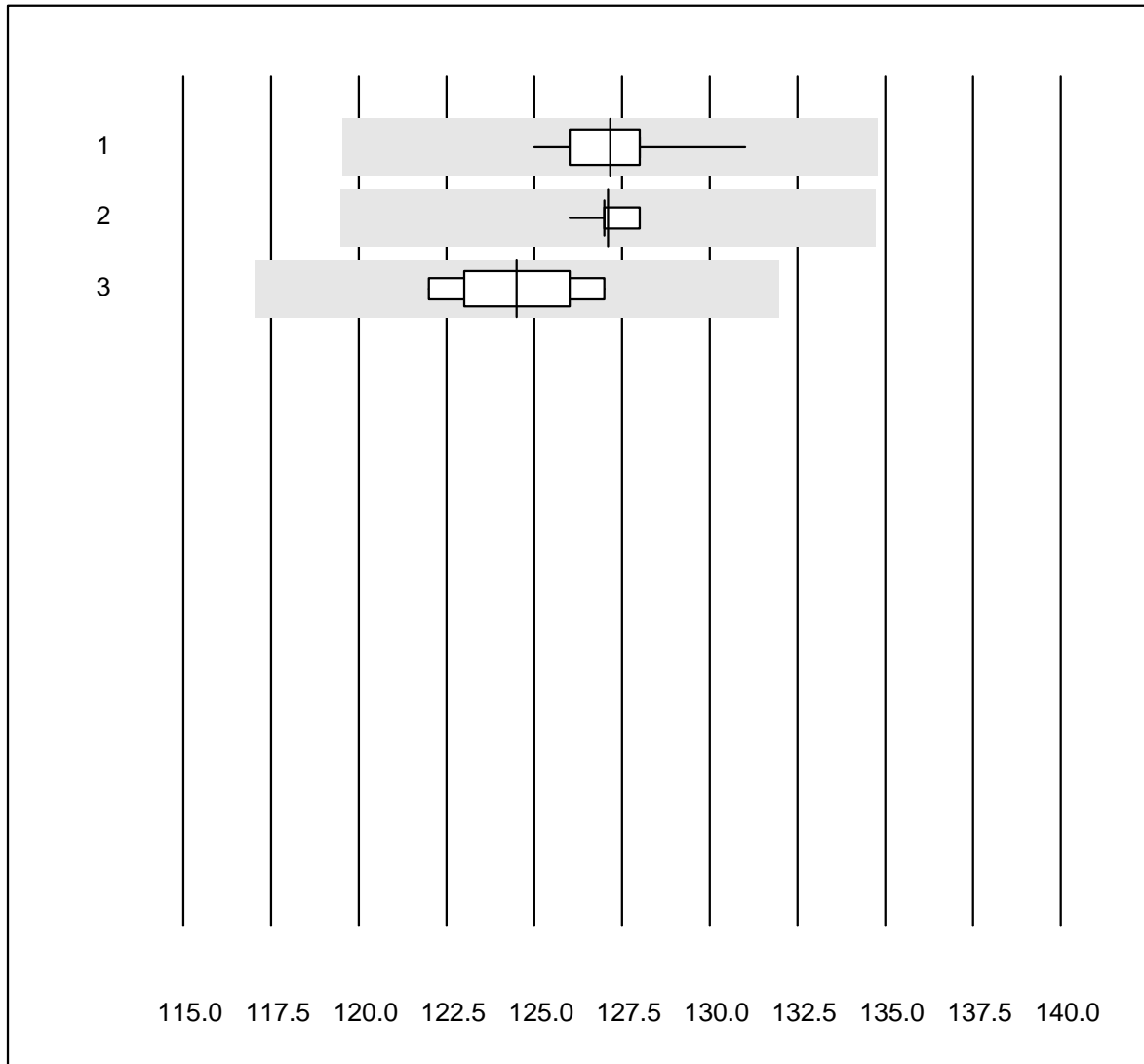


QUALAB tolerance : 6 %

Potassium OR (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	ABL700/800	69	100.0	0.0	0.0	5.5	0.9	e
2	ABL 90	33	100.0	0.0	0.0	5.5	0.7	e
3	ABL 80 / Coox	10	100.0	0.0	0.0	5.1	2.1	e

Sodium OR

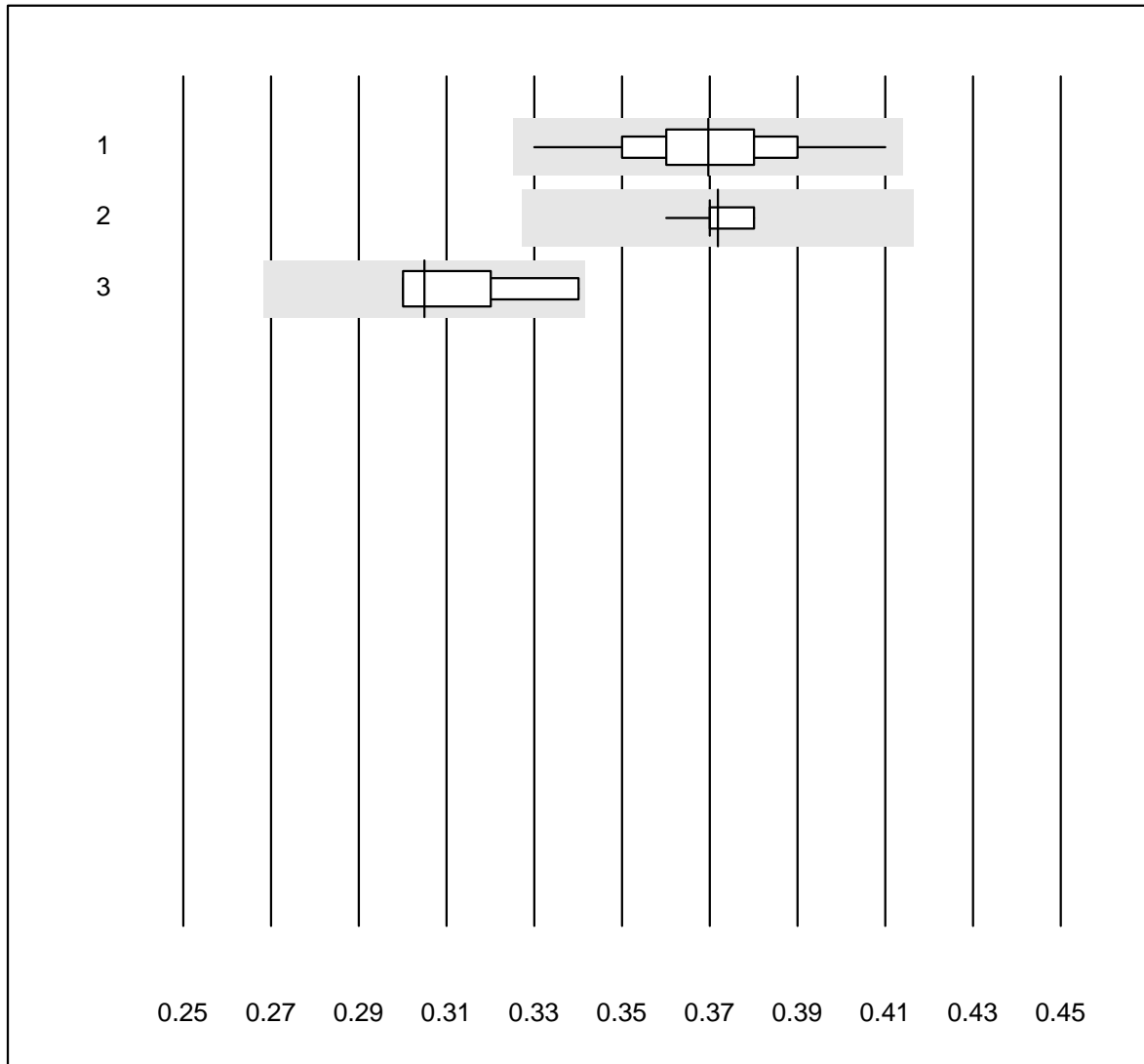


QUALAB tolerance : 6 %

Sodium OR (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	ABL700/800	66	100.0	0.0	0.0	127.2	0.8	e
2	ABL 90	33	100.0	0.0	0.0	127.1	0.3	e
3	ABL 80 / Coox	8	100.0	0.0	0.0	124.5	1.5	e

Calcium OR

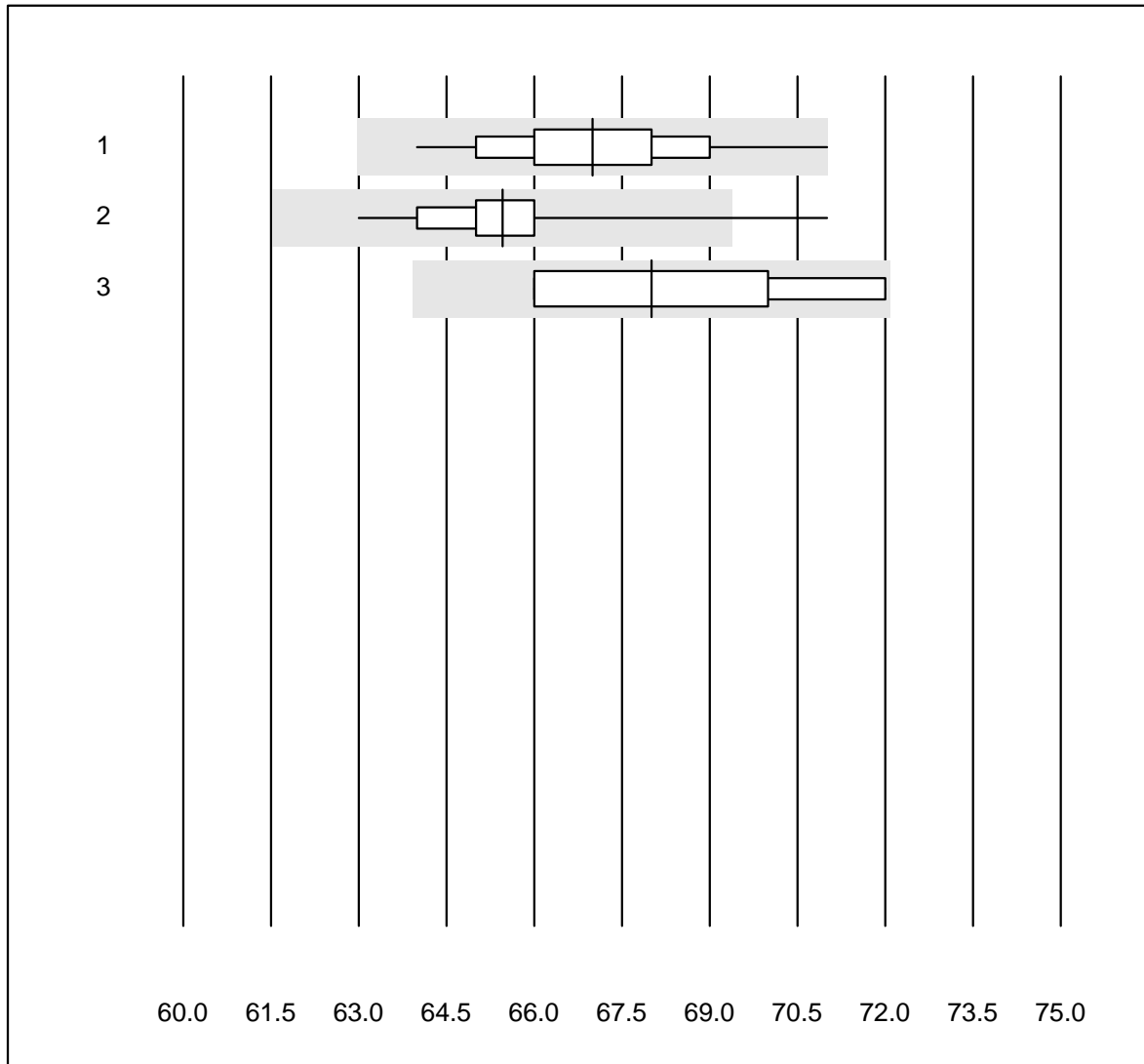


QUALAB tolerance : 12 %

Calcium OR (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	ABL700/800	67	100.0	0.0	0.0	0.37	4.3	e
2	ABL 90	32	100.0	0.0	0.0	0.37	1.3	e
3	ABL 80 / Coox	8	75.0	0.0	25.0	0.31	4.8	e*

Choride OR

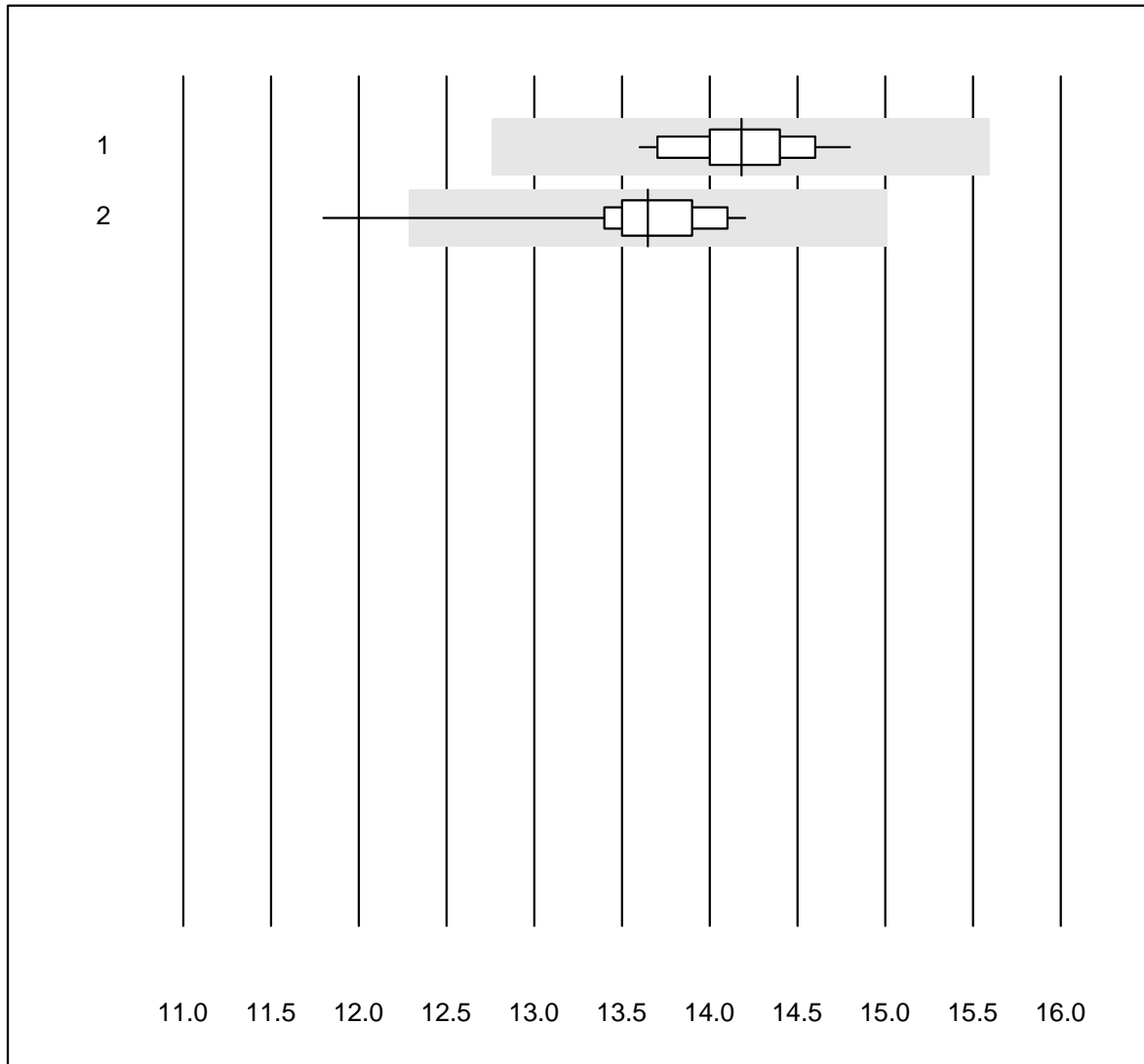


QUALAB tolerance : 6 %

Choride OR (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	ABL700/800	56	100.0	0.0	0.0	67.00	2.3	e
2	ABL 90	33	97.0	3.0	0.0	65.45	2.2	e
3	ABL 80 / Coox	7	100.0	0.0	0.0	68.00	3.2	e*

Glucose OR

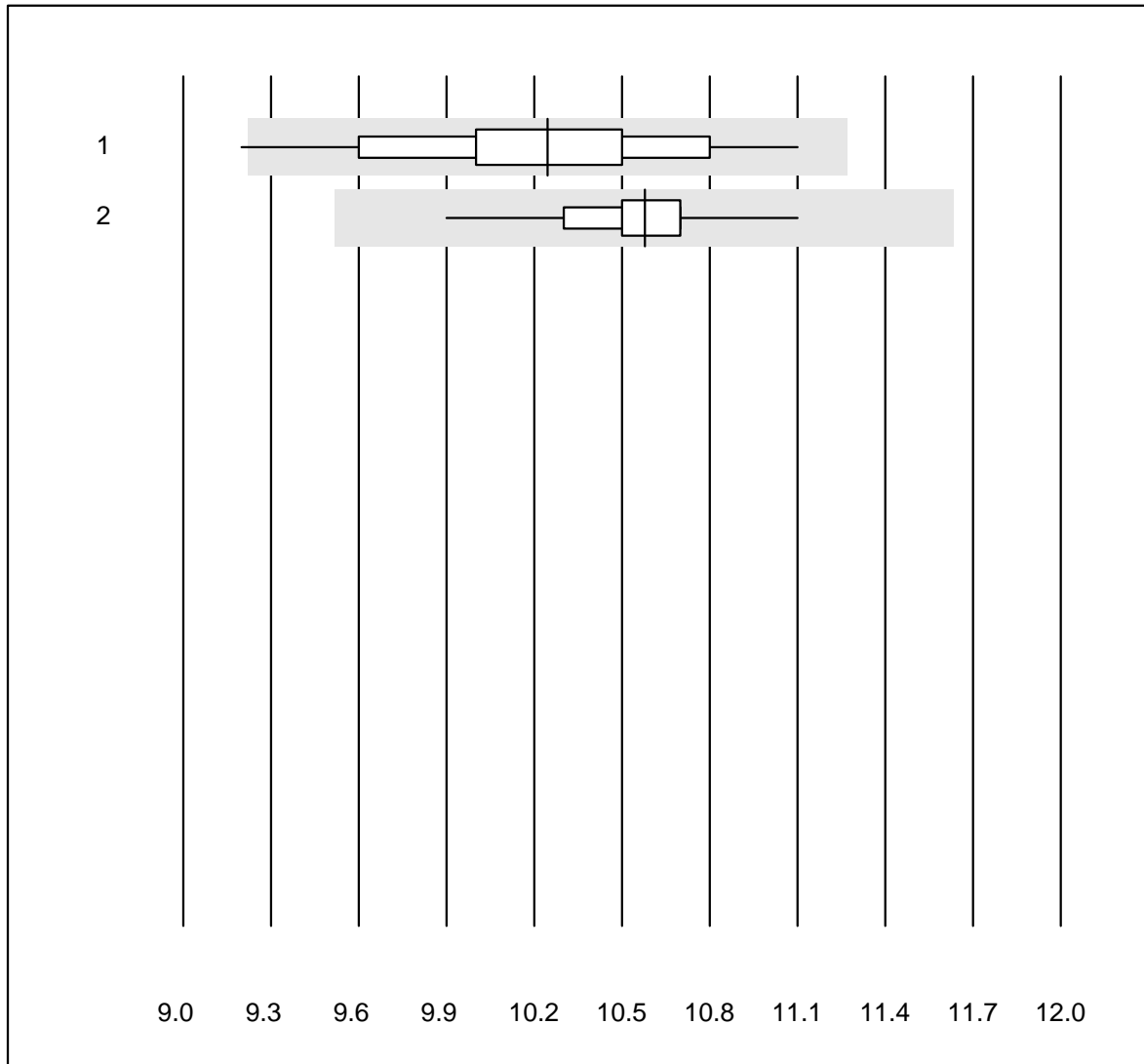


QUALAB tolerance : 10 %

Glucose OR (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	ABL700/800	67	100.0	0.0	0.0	14.2	2.2	e
2	ABL 90	34	94.2	2.9	2.9	13.6	3.4	e

Lactate OR

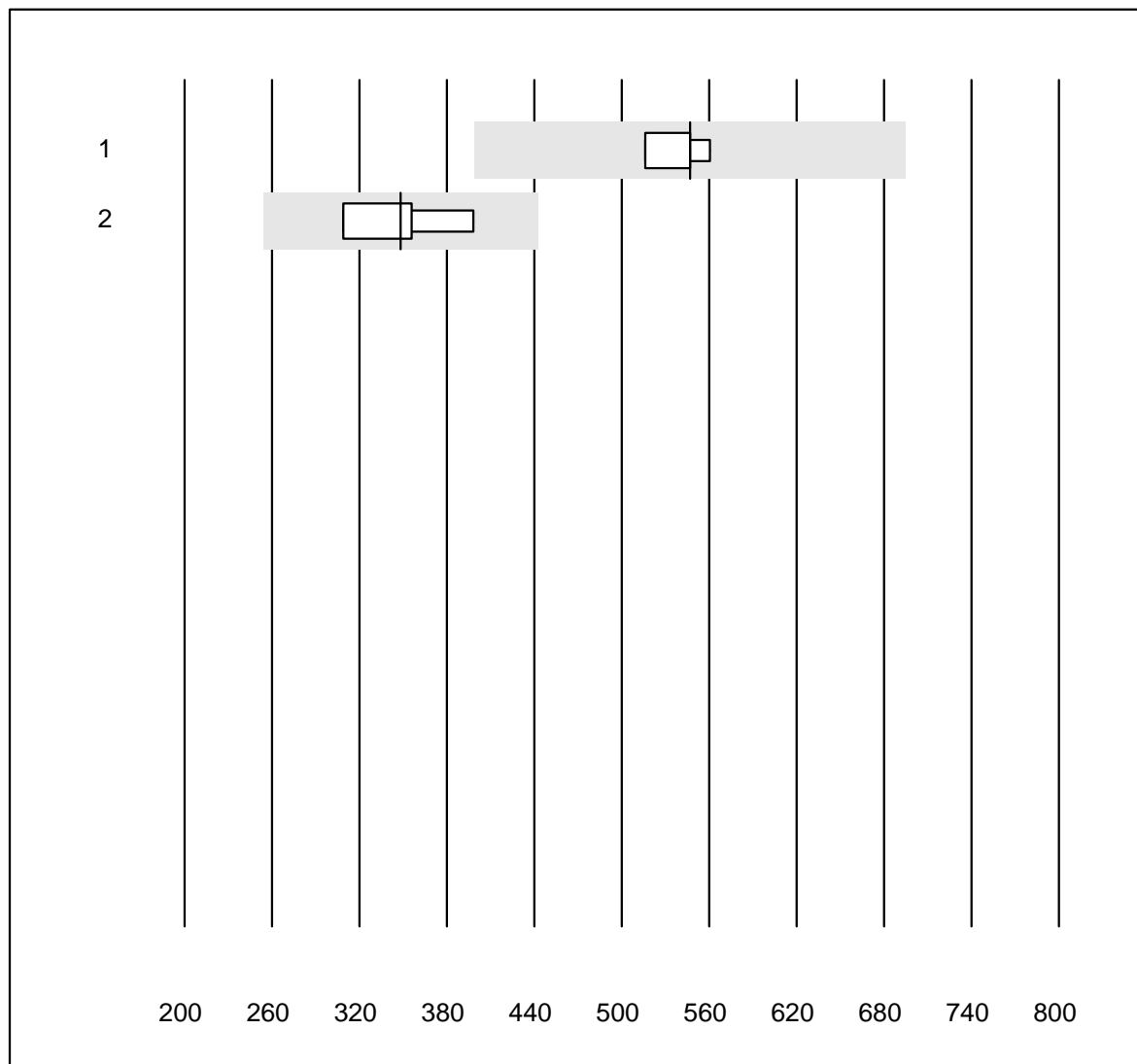


QUALAB tolerance : 10 %

Lactate OR (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	ABL700/800	71	95.8	1.4	2.8	10.24	3.9	e
2	ABL 90	32	96.9	0.0	3.1	10.58	2.5	e

BNP Plasma

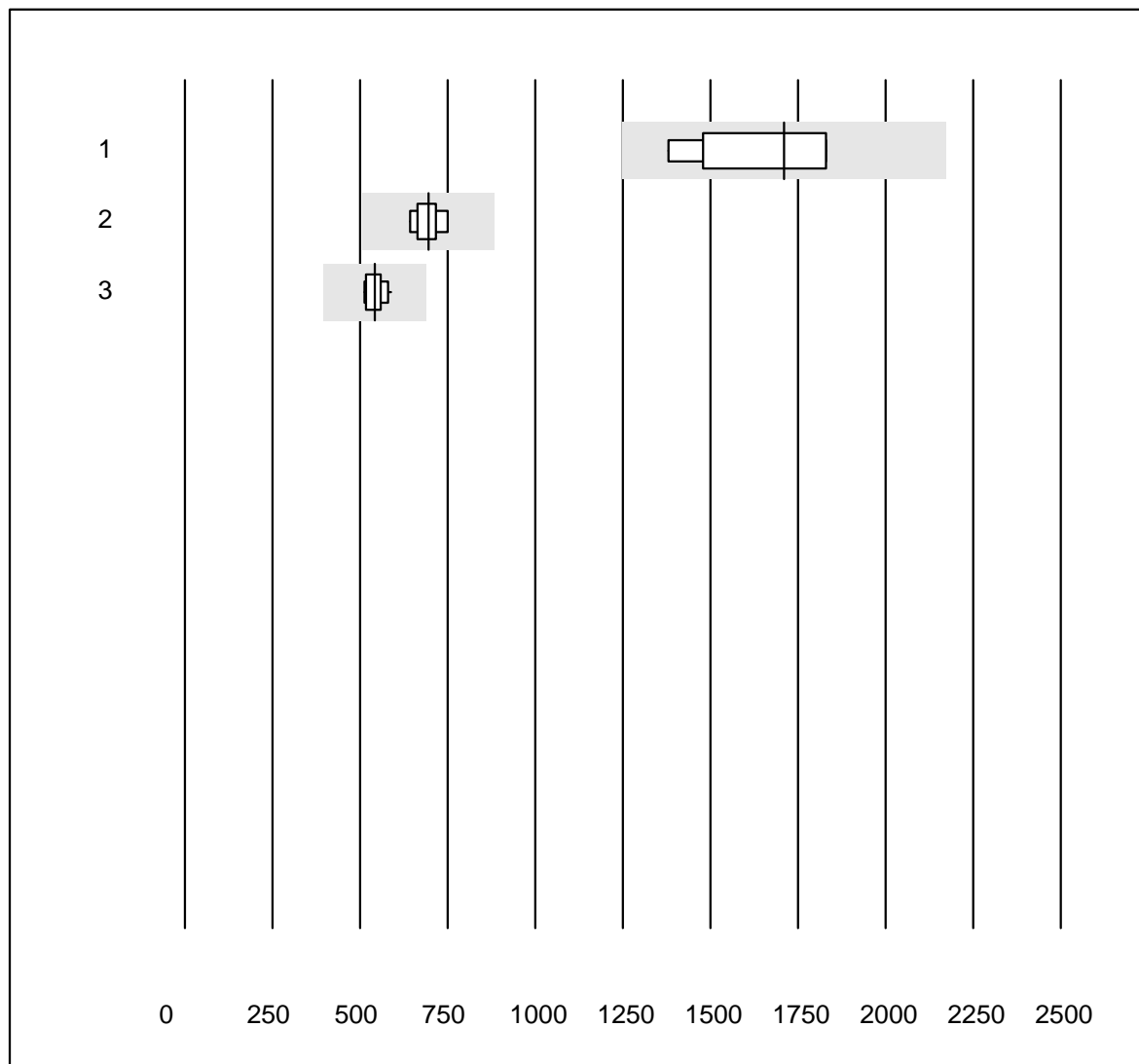


QUALAB tolerance : 27 %

BNP Plasma (ng/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	ADVIA Centaur XP/CP	4	100.0	0.0	0.0	546.8	3.5	e
2	Architect	4	100.0	0.0	0.0	348.3	10.6	e*

NT-proBNP

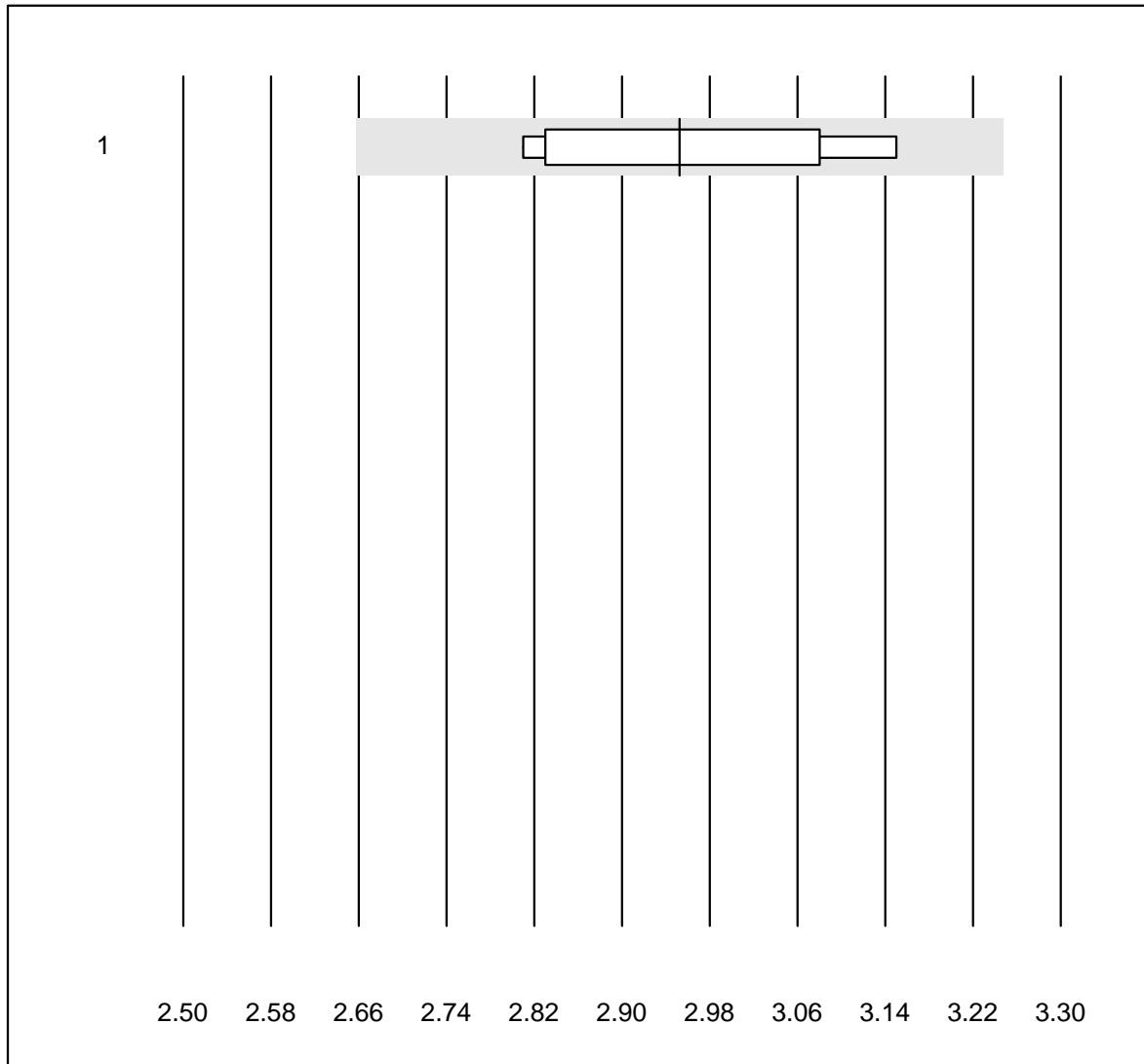


QUALAB tolerance : 27 %

NT-proBNP (ng/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	AQT 90 FLEX	8	87.5	0.0	12.5	1710.0	10.3	e*
2	Vidas	5	100.0	0.0	0.0	694.5	6.2	e
3	Cobas E / Elecsys	12	91.7	0.0	8.3	541.7	4.7	e

Cholesterin PTS

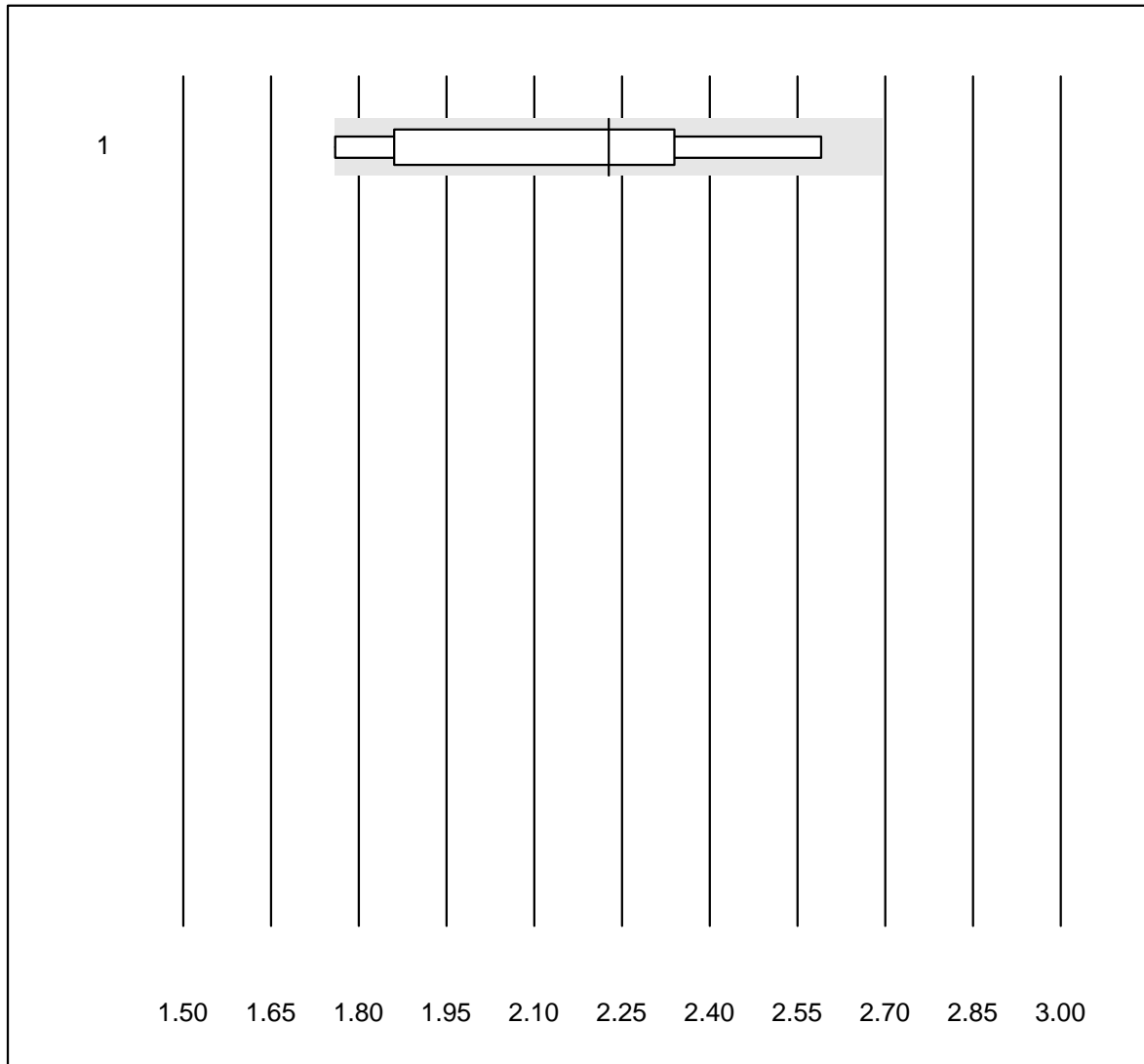


QUALAB tolerance : 10 %

Cholesterin PTS (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	CardioChek	7	100.0	0.0	0.0	2.95	4.6	e*

Cholesterin HDL PTS

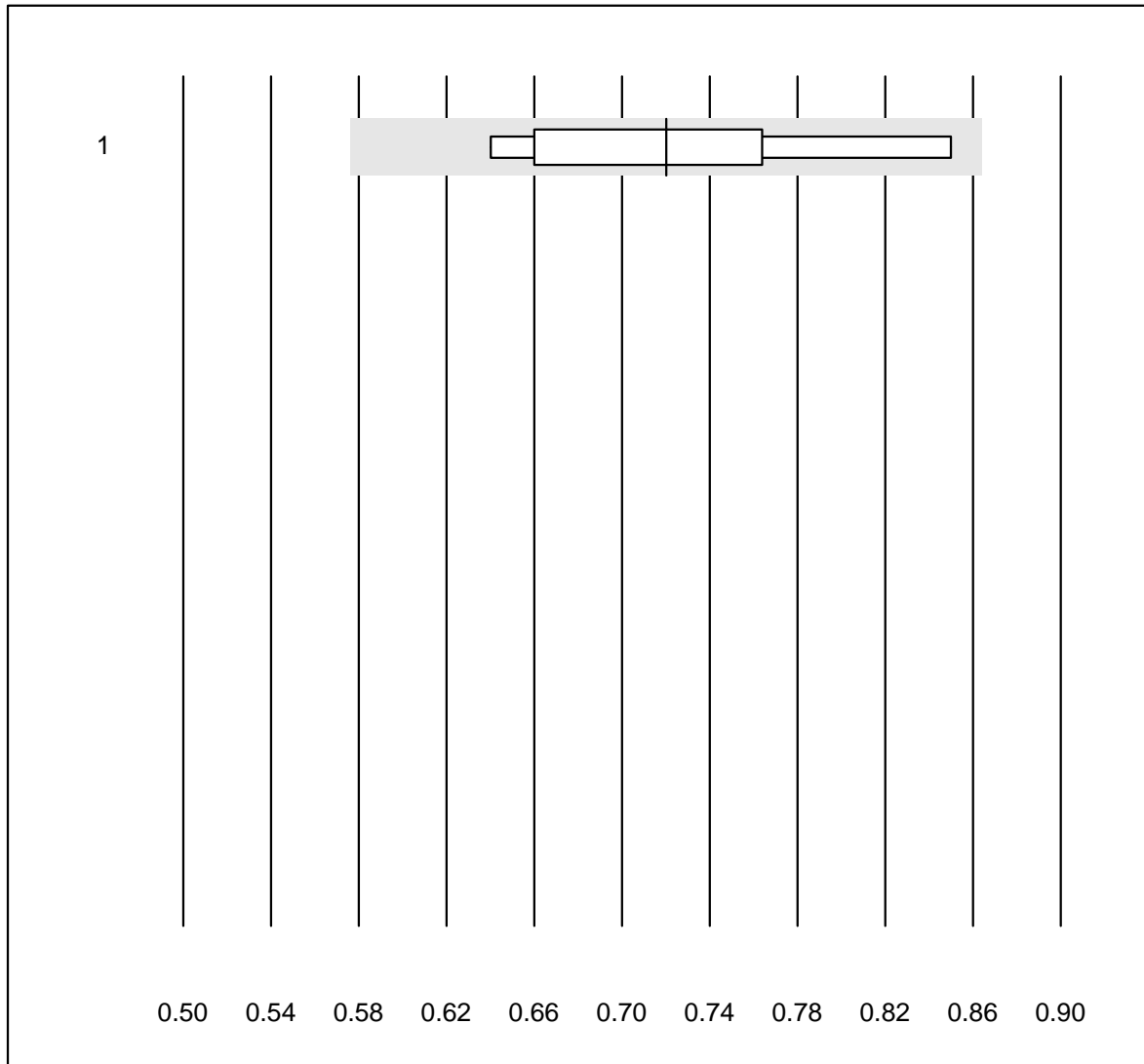


QUALAB tolerance : 21 %

Cholesterin HDL PTS (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	CardioChek	7	100.0	0.0	0.0	2.23	13.5	e*

Triglyceride PTS

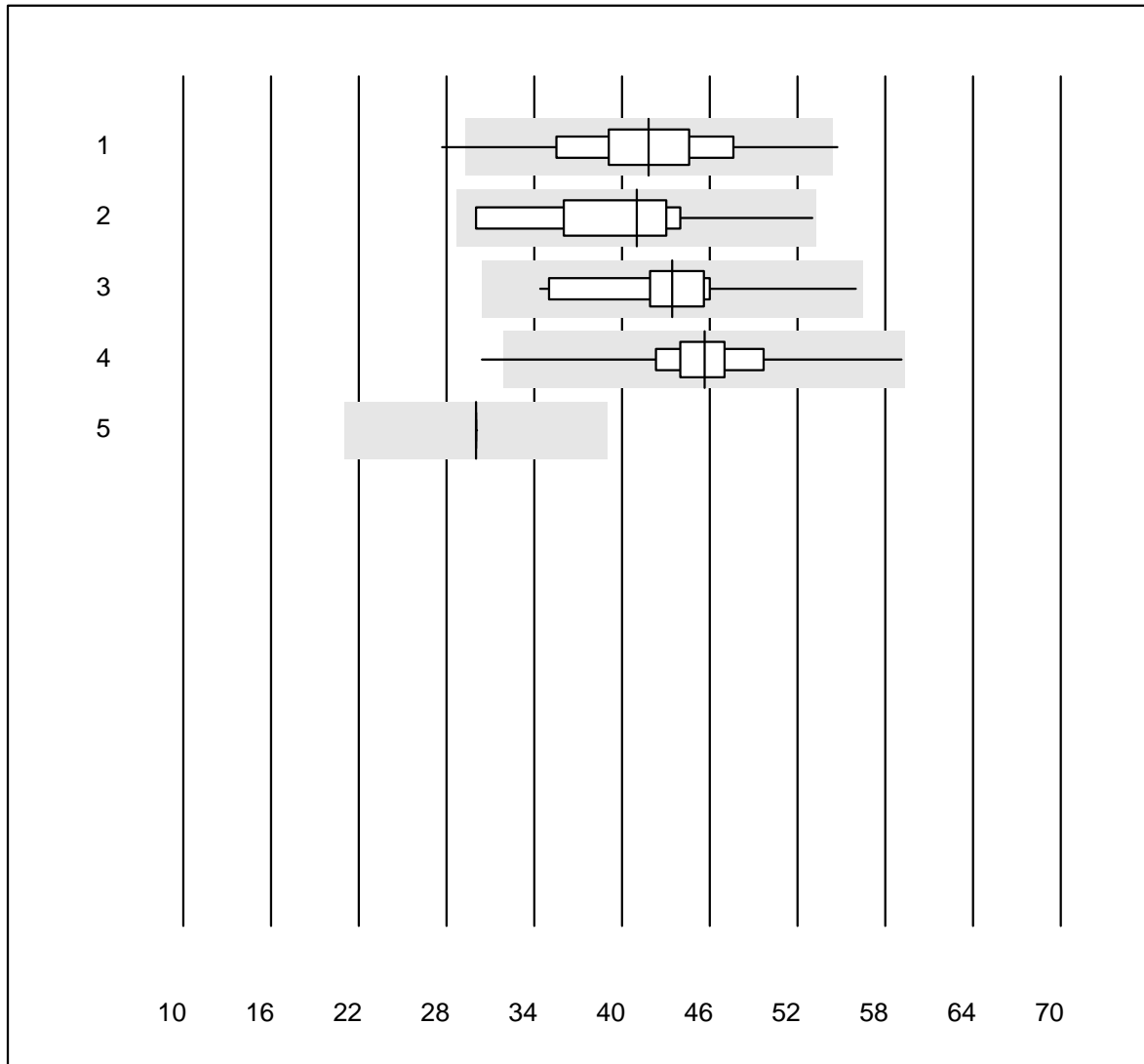


QUALAB tolerance : 20 %

Triglyceride PTS (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	CardioChek	7	100.0	0.0	0.0	0.72	9.5	e*

Creatinine U

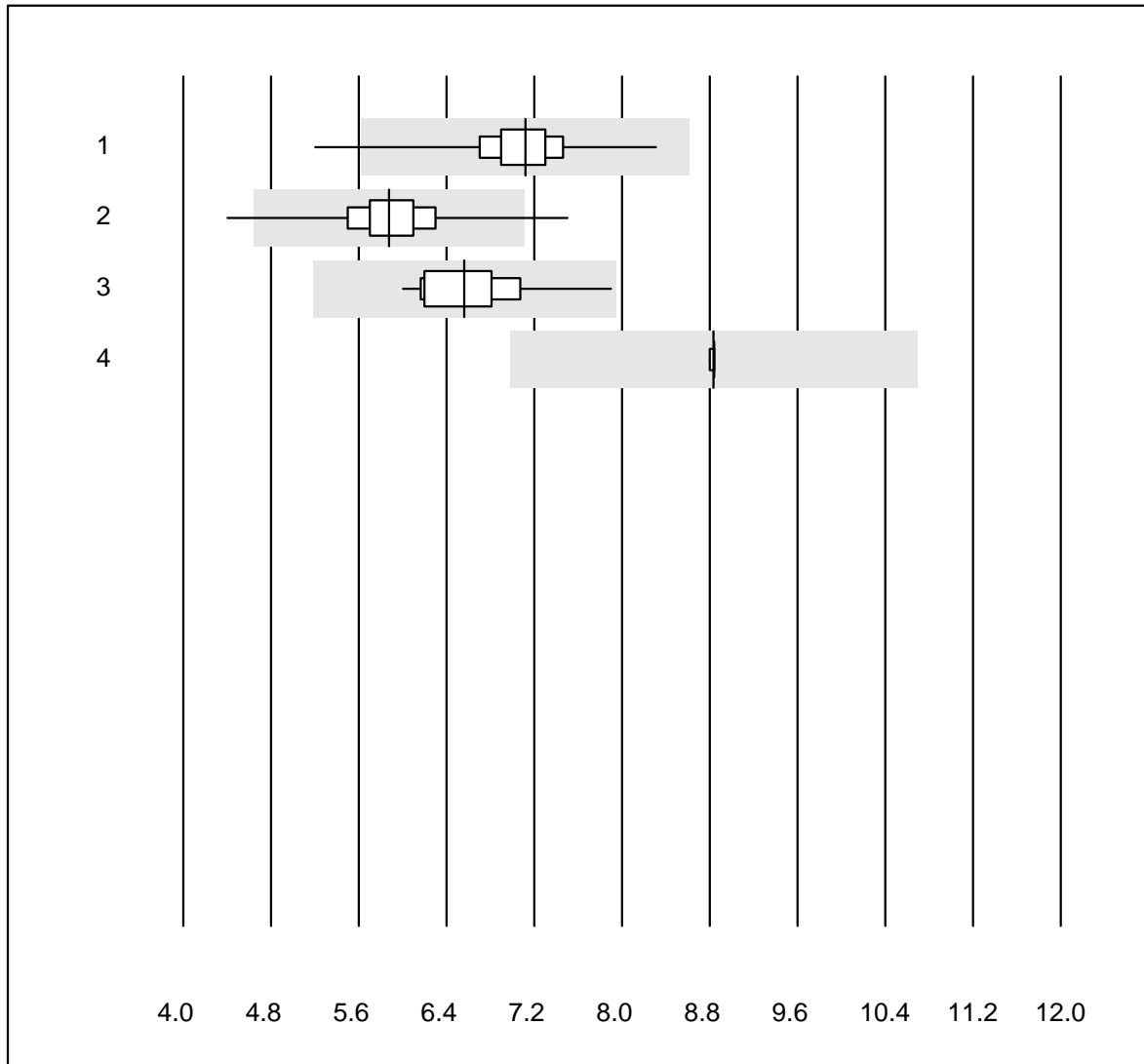


QUALAB tolerance : 30 %

Creatinine U (mg/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Afinion	349	96.0	1.1	2.9	41.8	11.2	e
2	NycoCard	10	100.0	0.0	0.0	41.0	15.7	e*
3	Turbidimetry	20	100.0	0.0	0.0	43.4	11.3	e
4	DCA2000/Vantage	130	95.4	0.8	3.8	45.7	6.9	e
5	Siemens Clinitek	15	73.3	0.0	26.7	30.0	0.0	e

Creatinin Urin

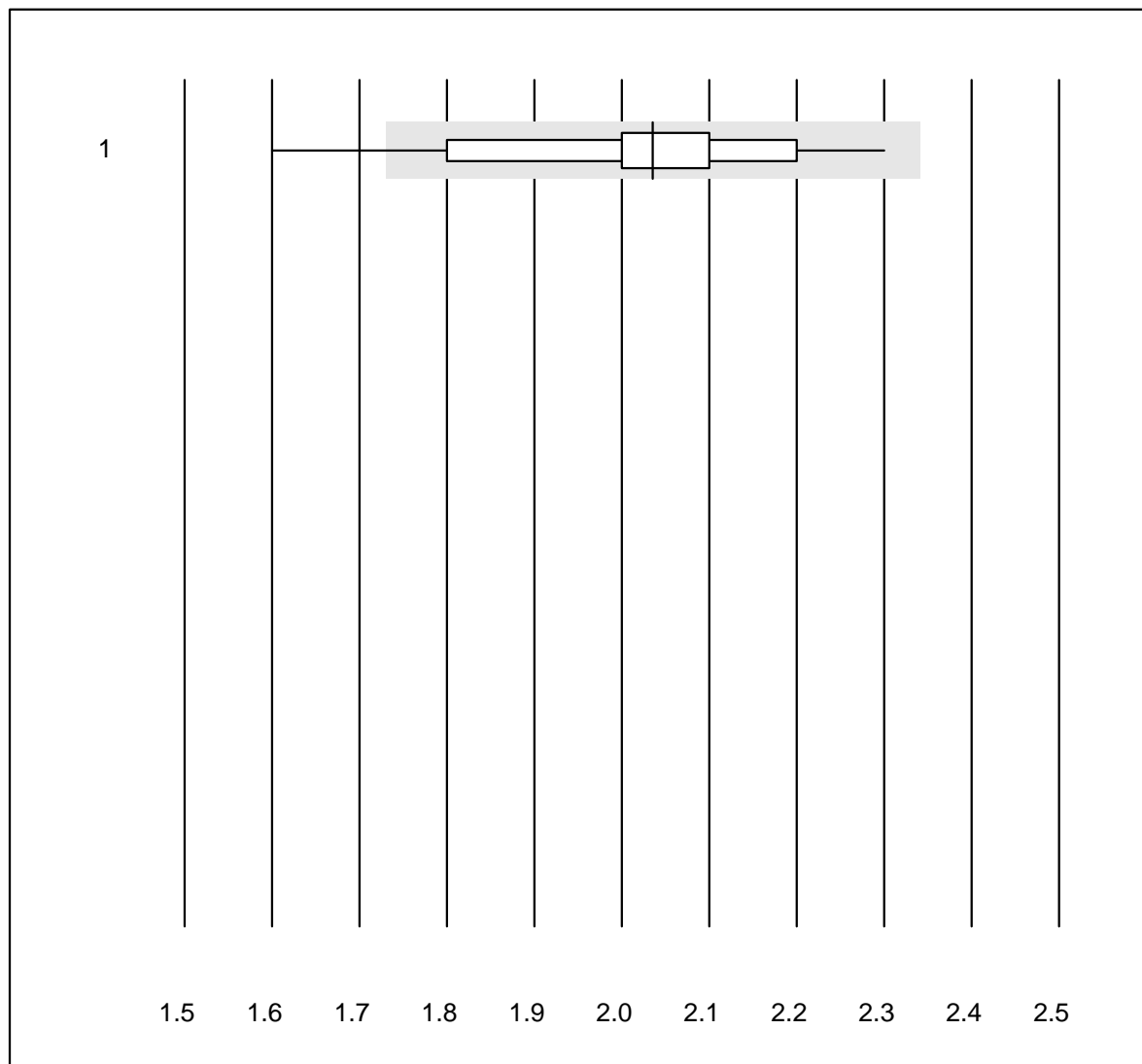


QUALAB tolerance : 21 %

Creatinin Urin (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	DCA2000/Vantage	130	93.8	0.8	5.4	7.1	5.1	e
2	Afinion	348	97.8	1.1	1.1	5.9	6.2	e
3	Standard chemistry	32	100.0	0.0	0.0	6.6	6.6	e
4	Siemens Clinitek	14	78.6	0.0	21.4	8.8	0.2	e

INR CCXS

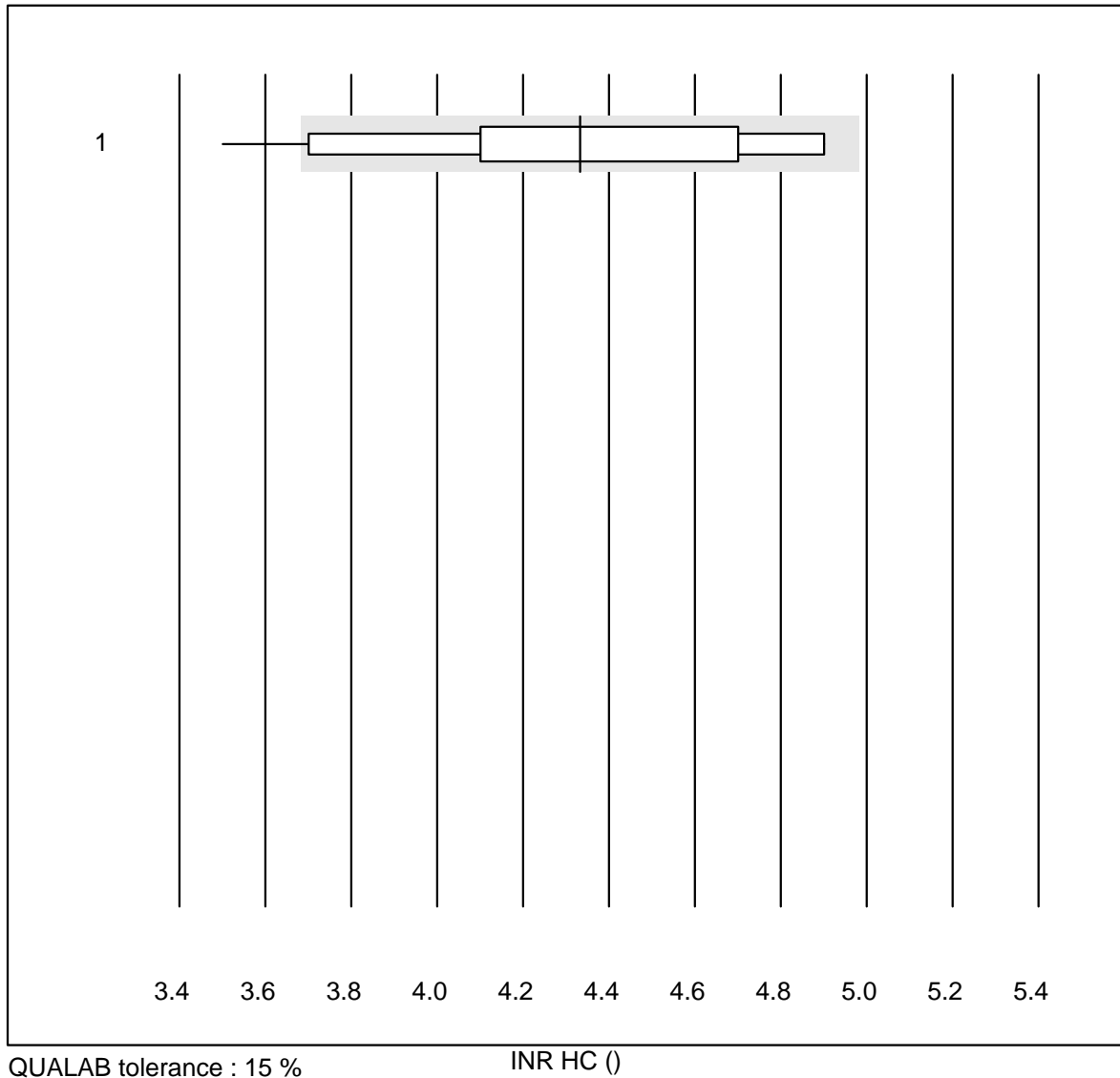


QUALAB tolerance : 15 %

INR CCXS ()

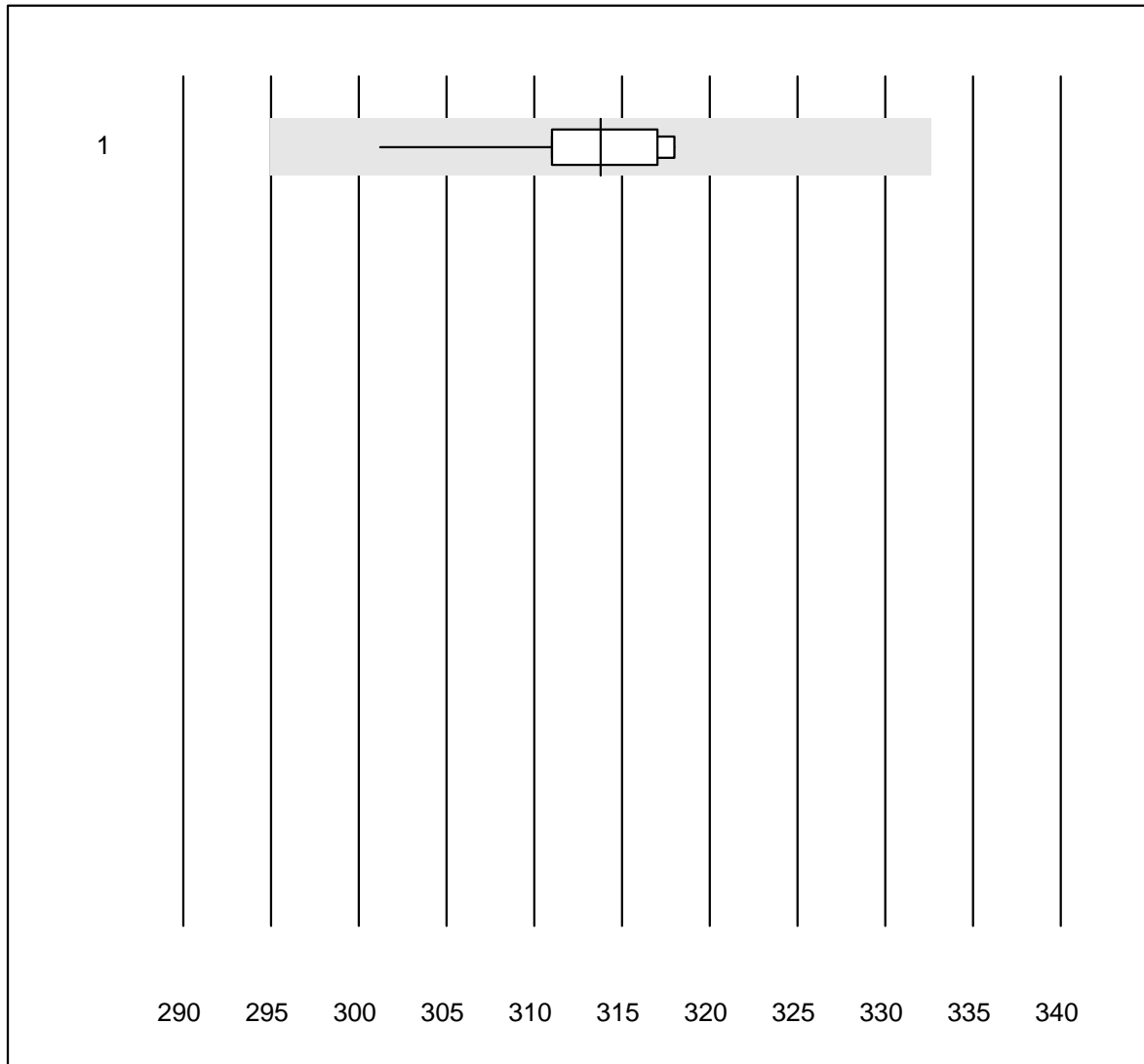
No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Type
1	CoaguChek XS	2290	97.6	1.5	0.9	2.0	6.4	e

INR HC



No.Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1 Hemochron j.	18	77.7	5.6	16.7	4.3	9.7	e*

Osmolality

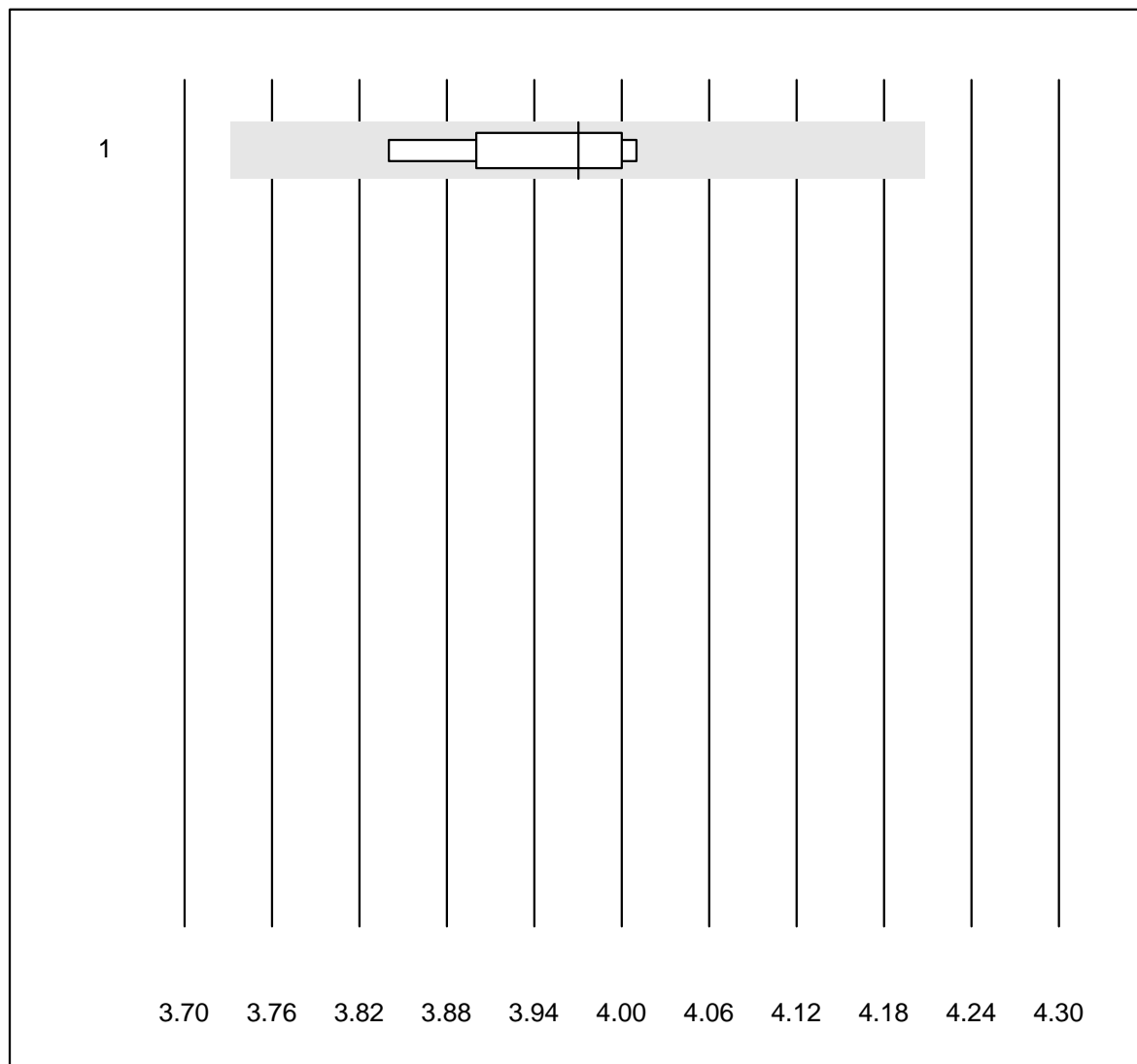


QUALAB tolerance : 6 %

Osmolality (mosm/kg)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Type
1	Cryoscopy	12	100.0	0.0	0.0	314	1.5	e

Potassium - K22

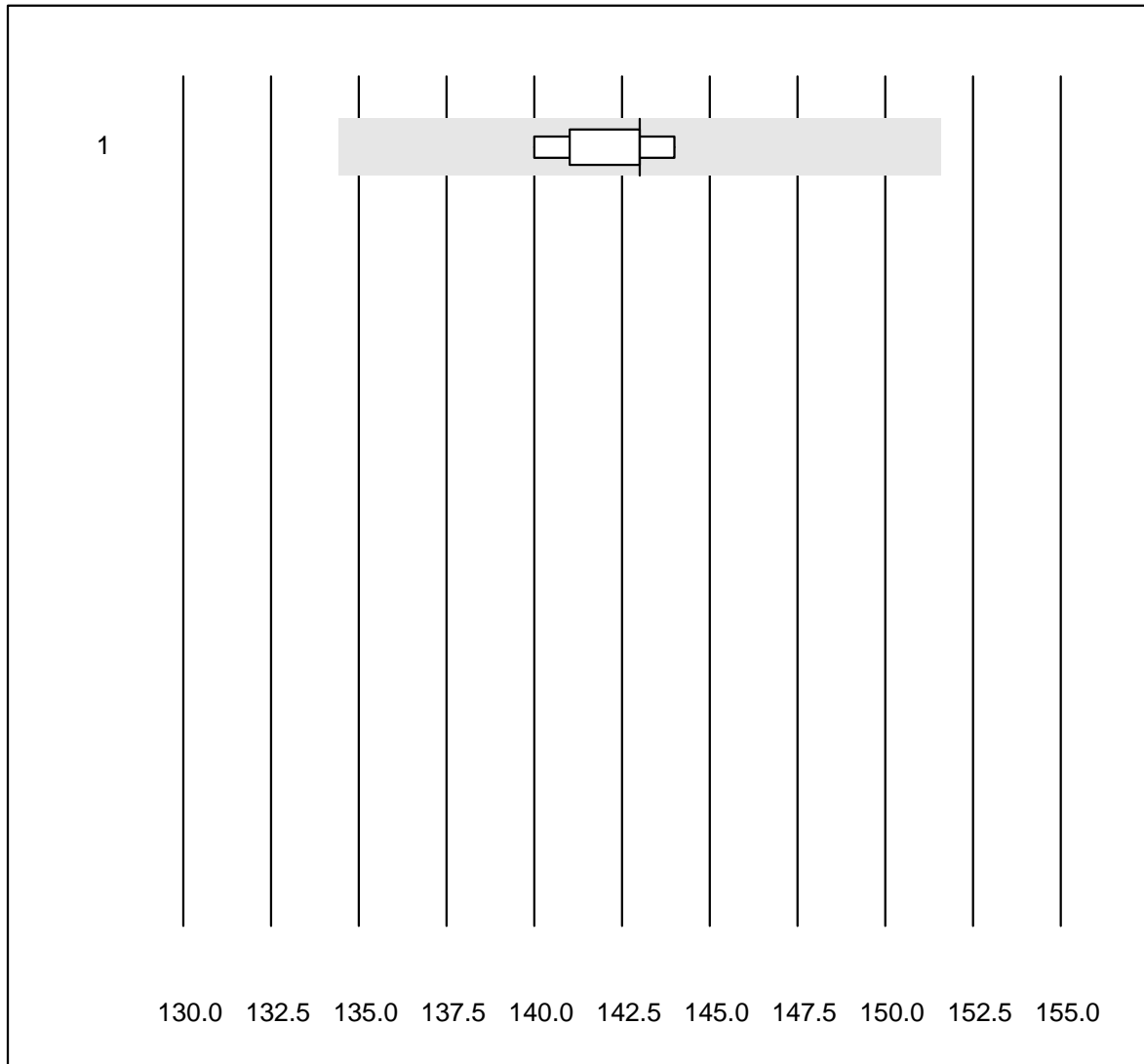


QUALAB tolerance : 6 %

Potassium - K22 (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Type
1	ISE	8	100.0	0.0	0.0	4.0	1.6	e

Sodium - K22

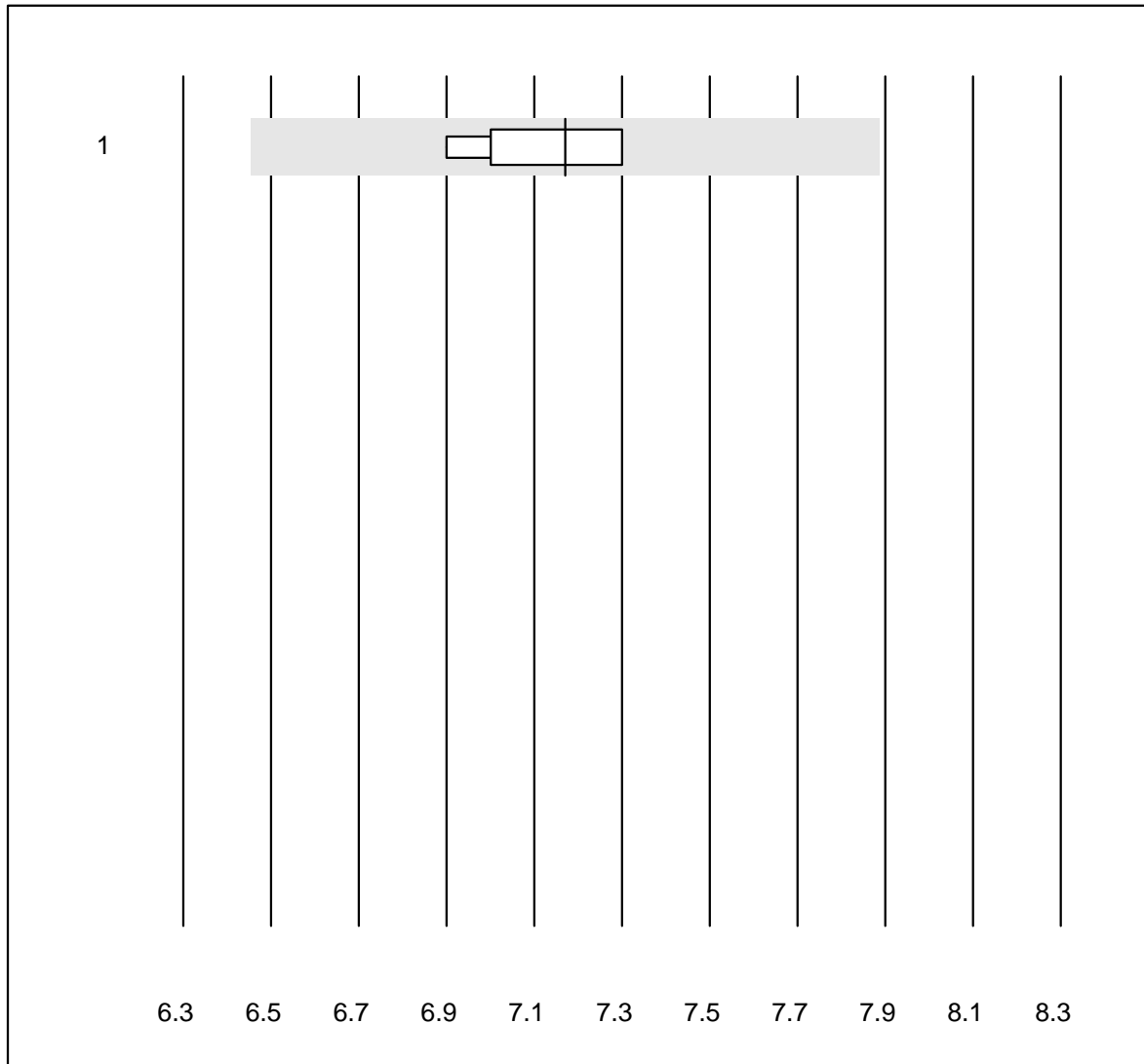


QUALAB tolerance : 6 %

Sodium - K22 (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Type
1	ISE	8	100.0	0.0	0.0	143	1.0	e

Glucose - K22

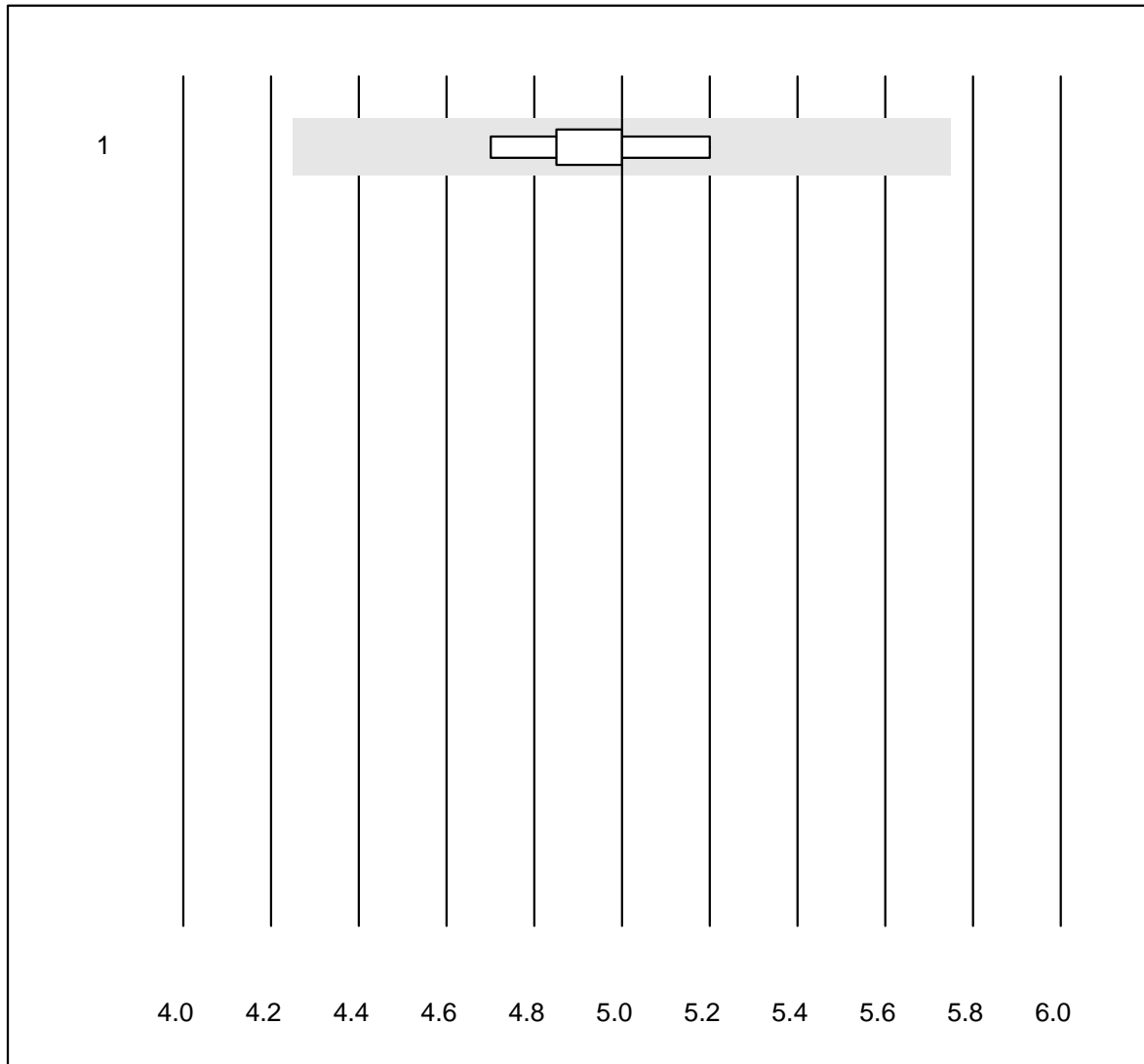


QUALAB tolerance : 10 %

Glucose - K22 (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Type
1	Standard chemistry	8	100.0	0.0	0.0	7.2	2.1	e

Urea - K22

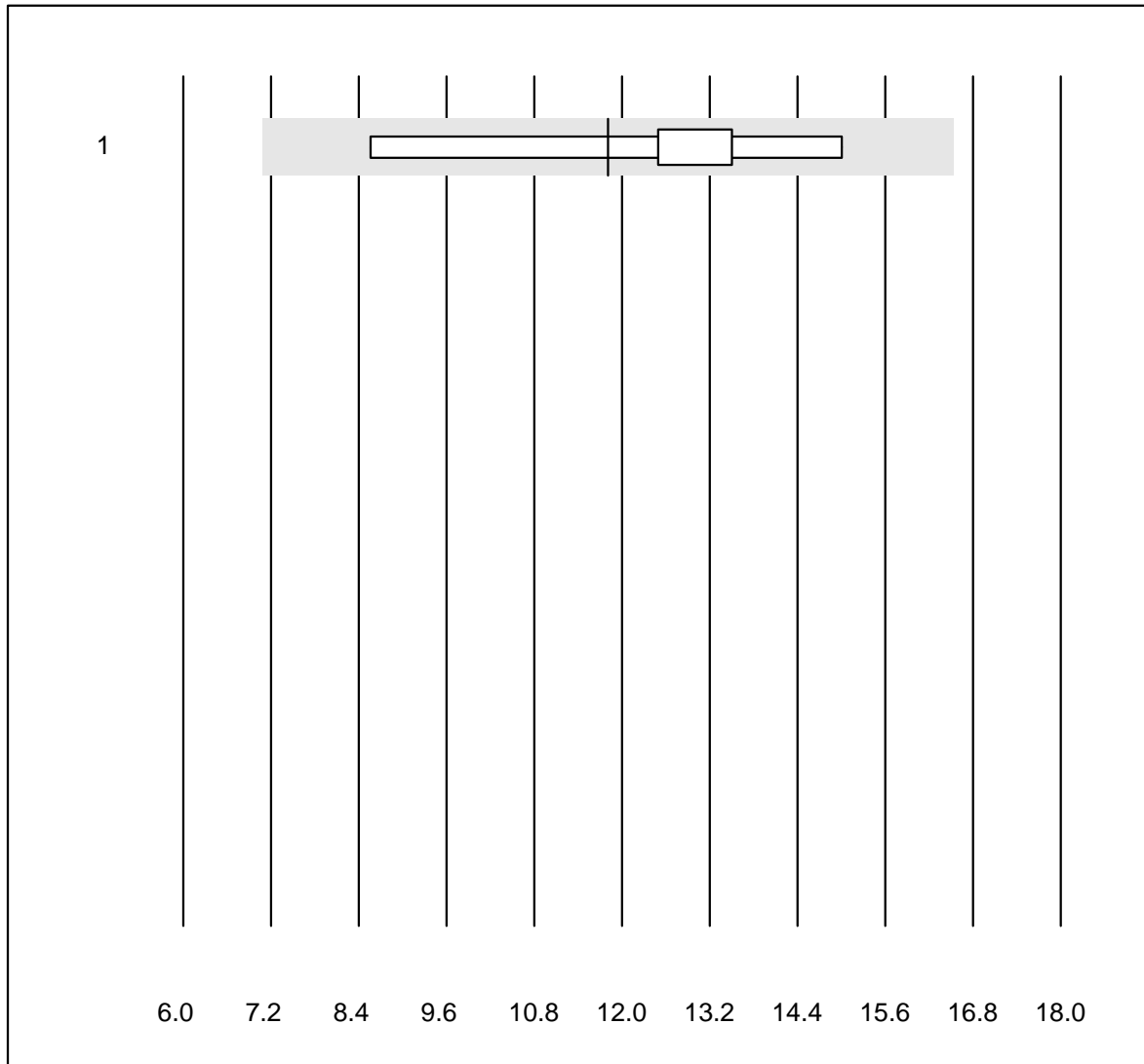


QUALAB tolerance : 15 %

Urea - K22 (mmol/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Standard chemistry	8	87.5	0.0	12.5	5.0	3.1	e

Osmotic Gap

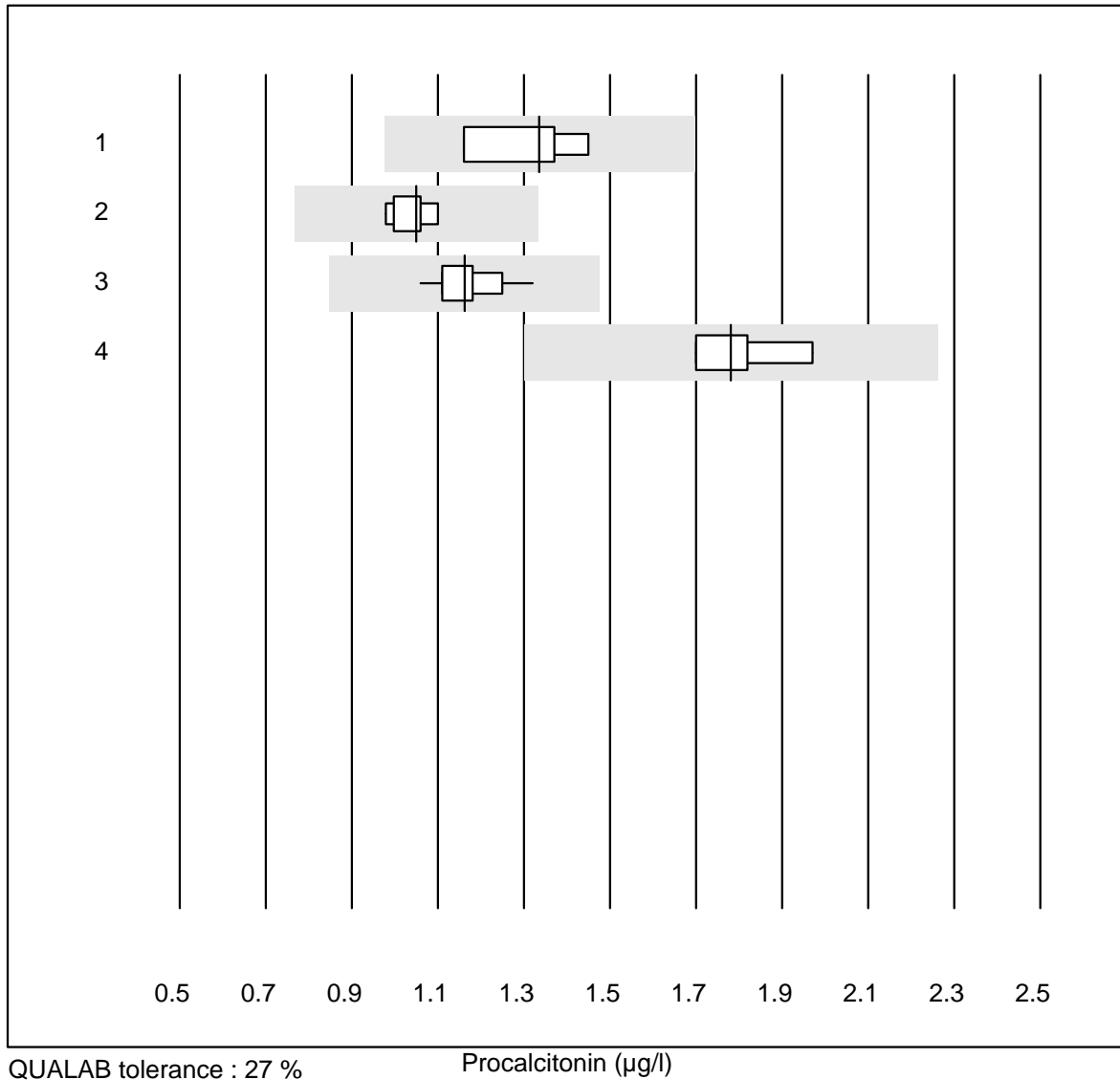


QUALAB tolerance : 20 %

Osmotic Gap (mmol/l)

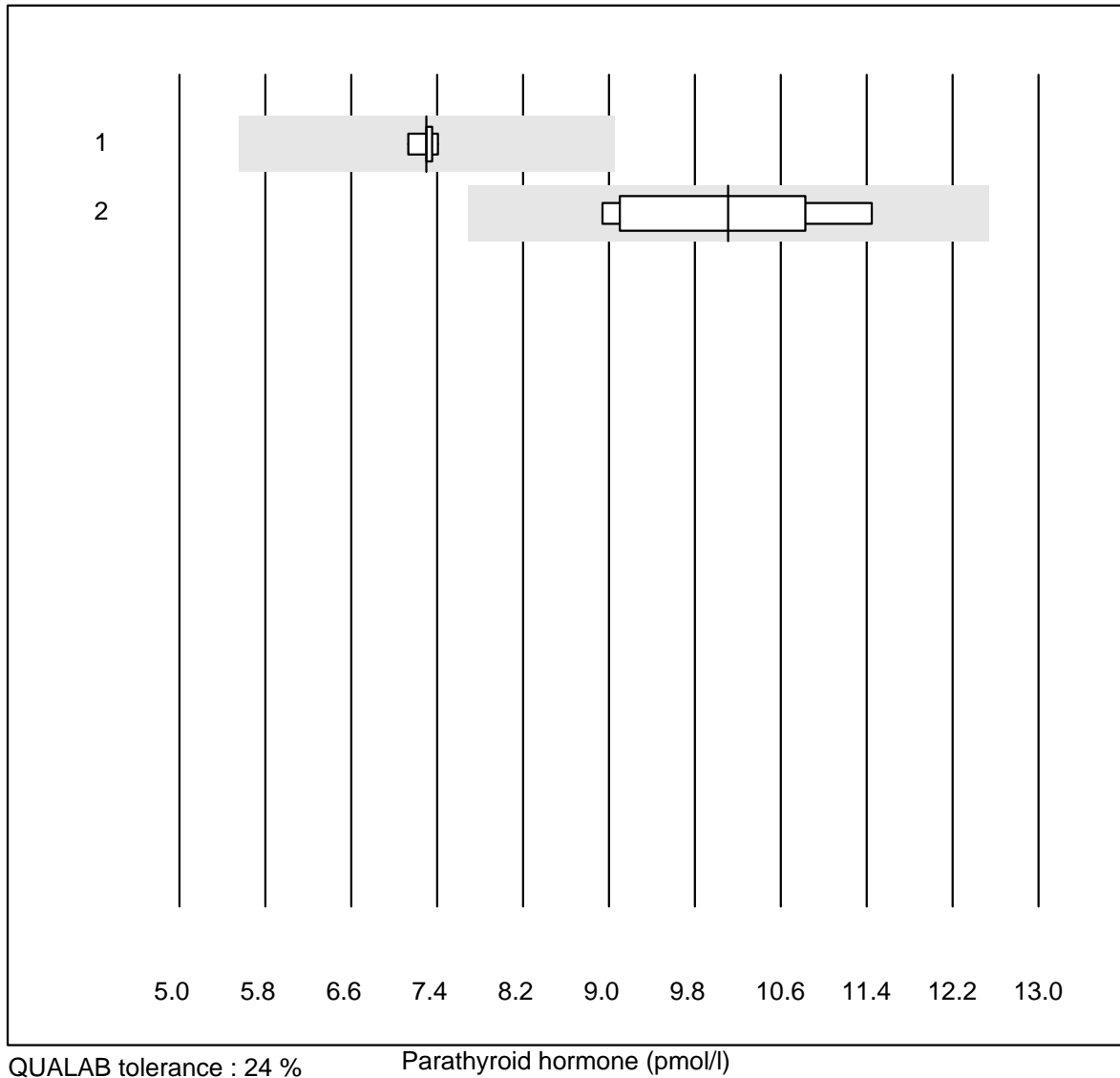
No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Formel 1 (2Na+K+Glu+	7	71.4	0.0	28.6	11.8	19.2	a

Procalcitonin



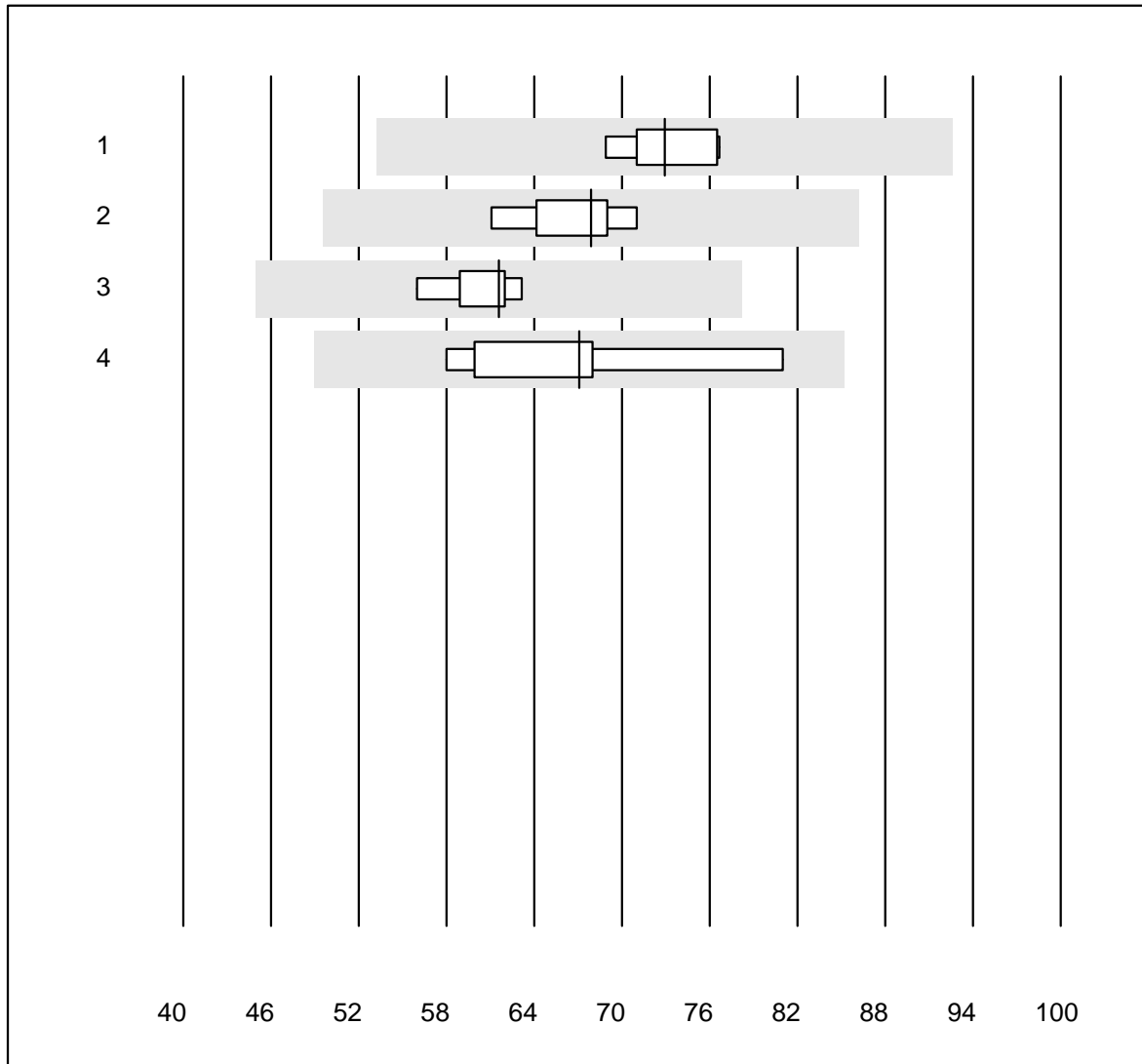
No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Other methods	4	100.0	0.0	0.0	1.34	9.3	e*
2	Cobas	7	100.0	0.0	0.0	1.05	4.0	e
3	Mini Vidas	12	100.0	0.0	0.0	1.16	6.1	e
4	Liason	5	100.0	0.0	0.0	1.78	6.2	e

Parathyroid hormone



No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Cobas PTH STAT	5	100.0	0.0	0.0	7.3	1.4	e
2	all Participants	5	100.0	0.0	0.0	10.1	10.7	e*

25-OH Vitamin D

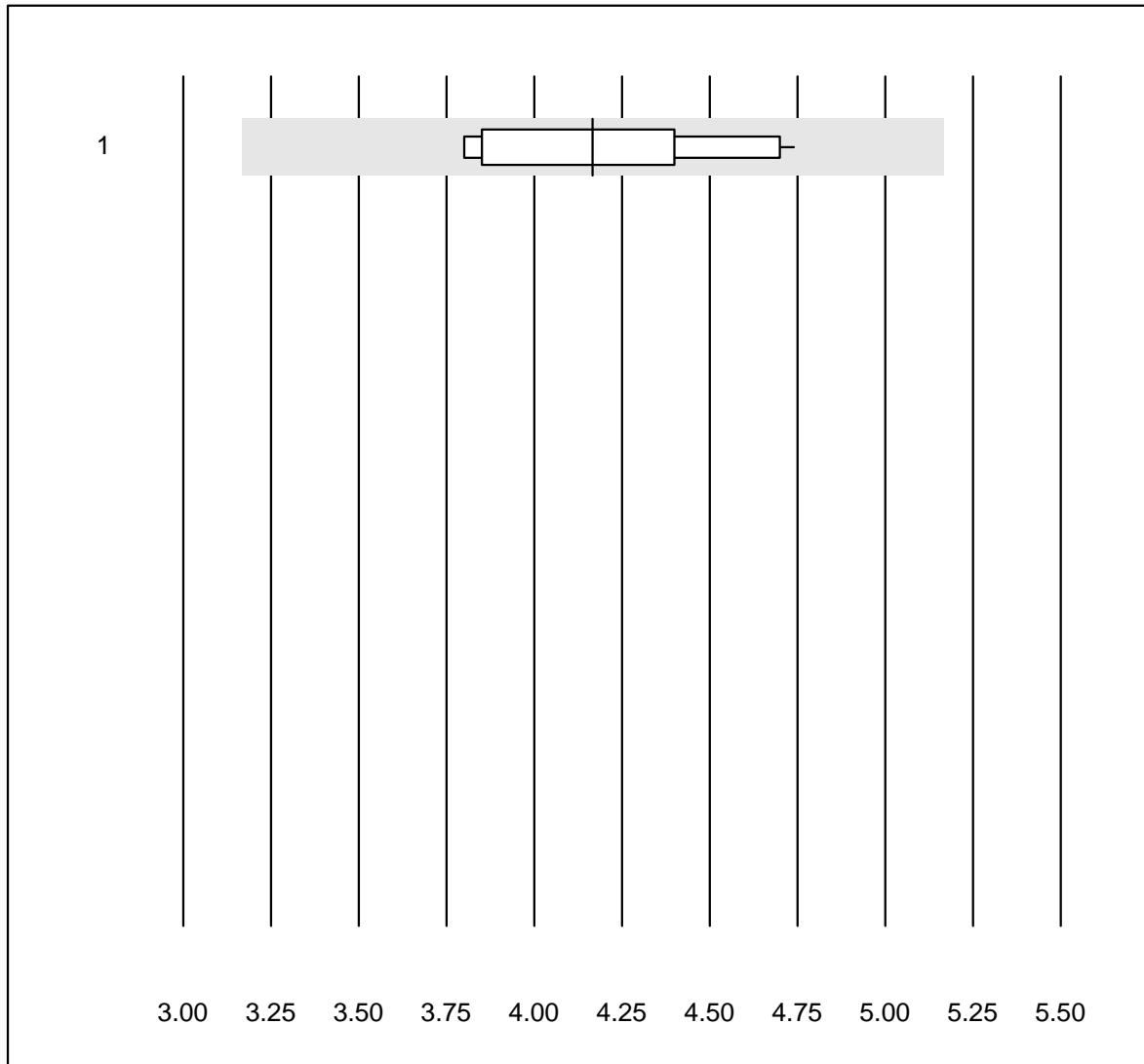


QUALAB tolerance : 27 %

25-OH Vitamin D (nmol/l)

No. Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1 Cobas	5	100.0	0.0	0.0	72.9	4.6	e
2 Vidas	5	100.0	0.0	0.0	67.9	6.0	e
3 Architect	7	100.0	0.0	0.0	61.6	4.0	e
4 Qualigen	5	100.0	0.0	0.0	67.1	13.6	e*

Digoxin

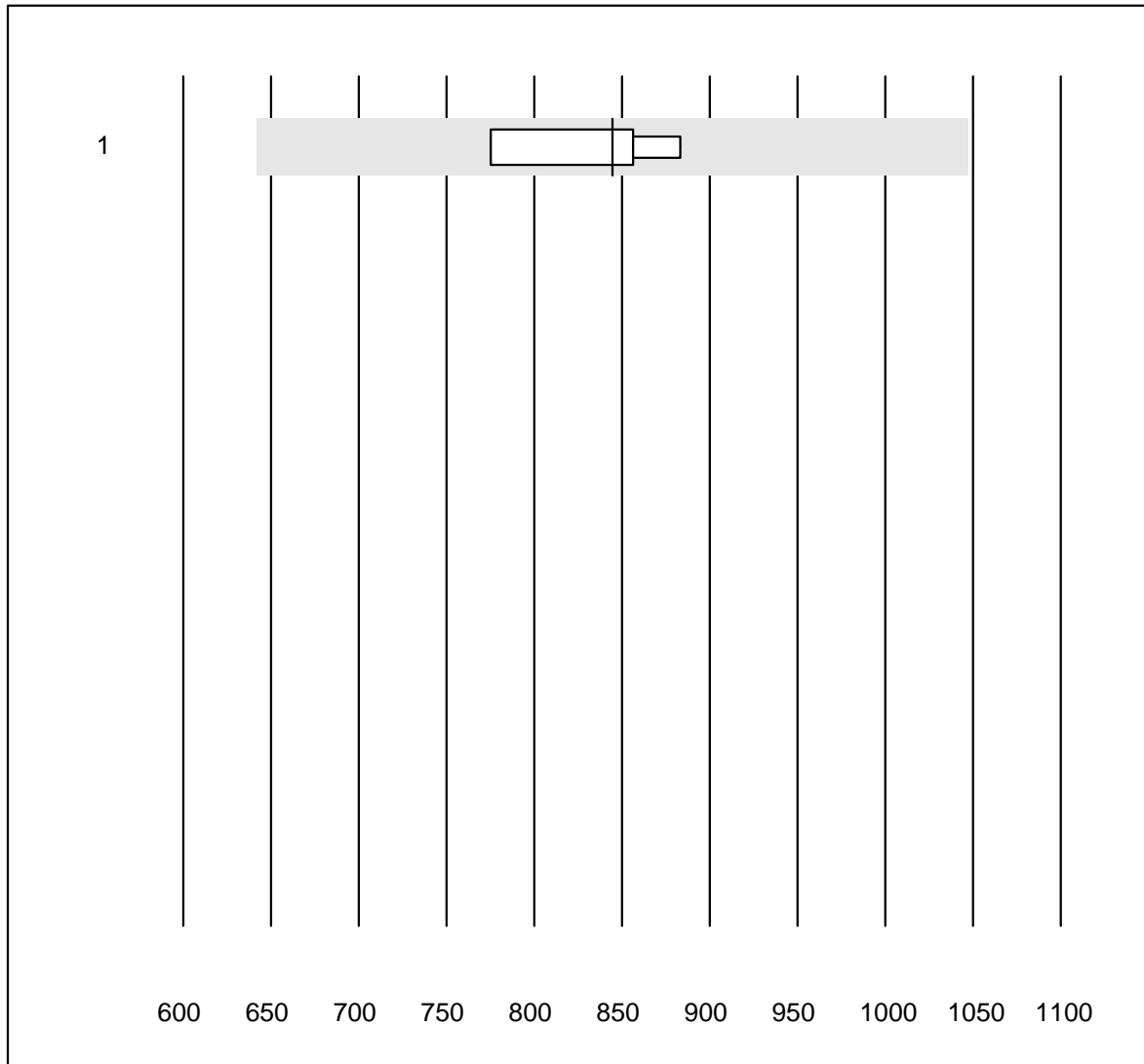


QUALAB tolerance : 24 %

Digoxin (nmol/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Type
1	Other methods	10	100.0	0.0	0.0	4.17	8.2	e

Valproat

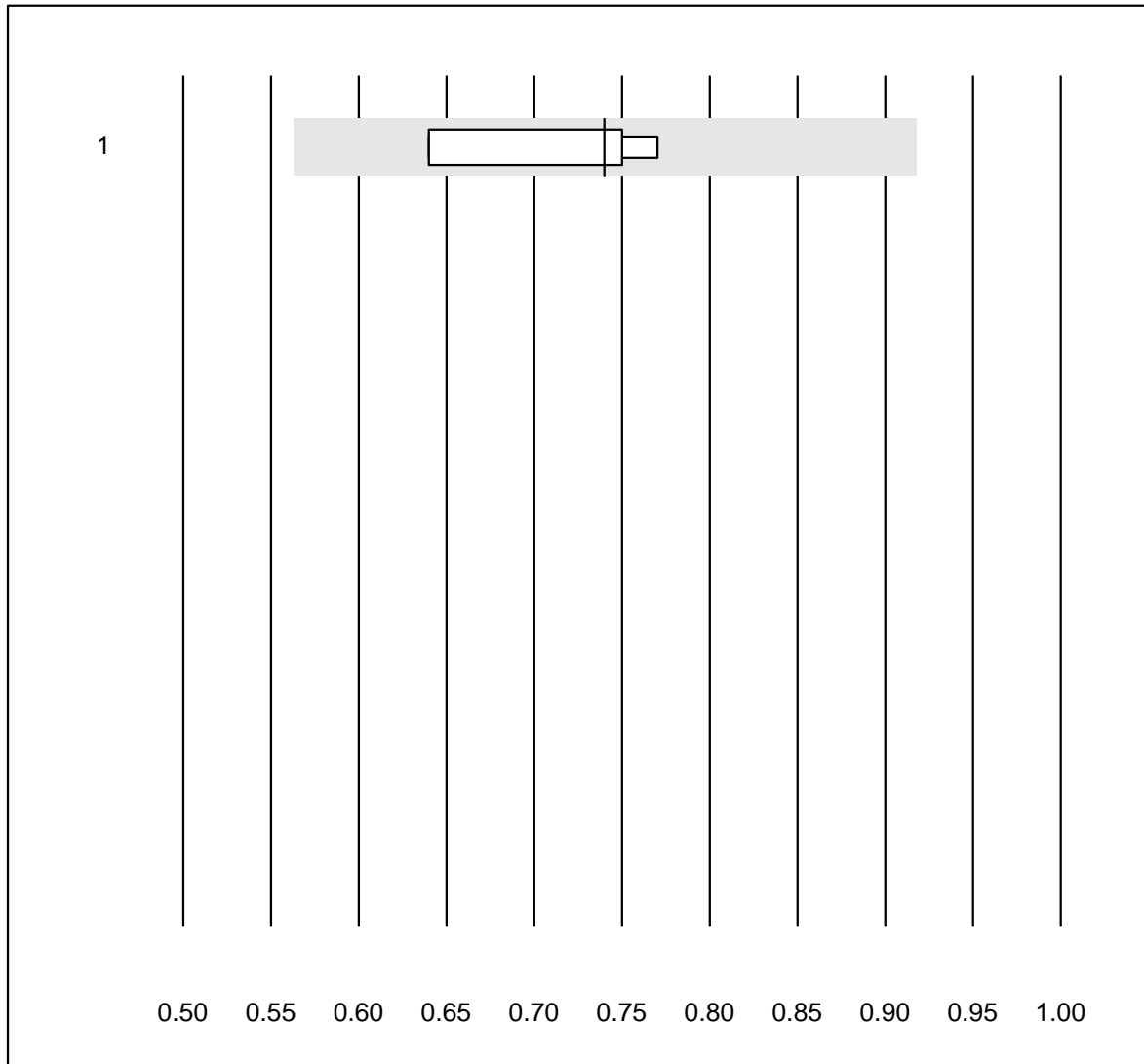


QUALAB tolerance : 24 %

Valproat (µmol/l)

No. Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1 all Participants	4	100.0	0.0	0.0	844.7	5.5	e

Cystatin C

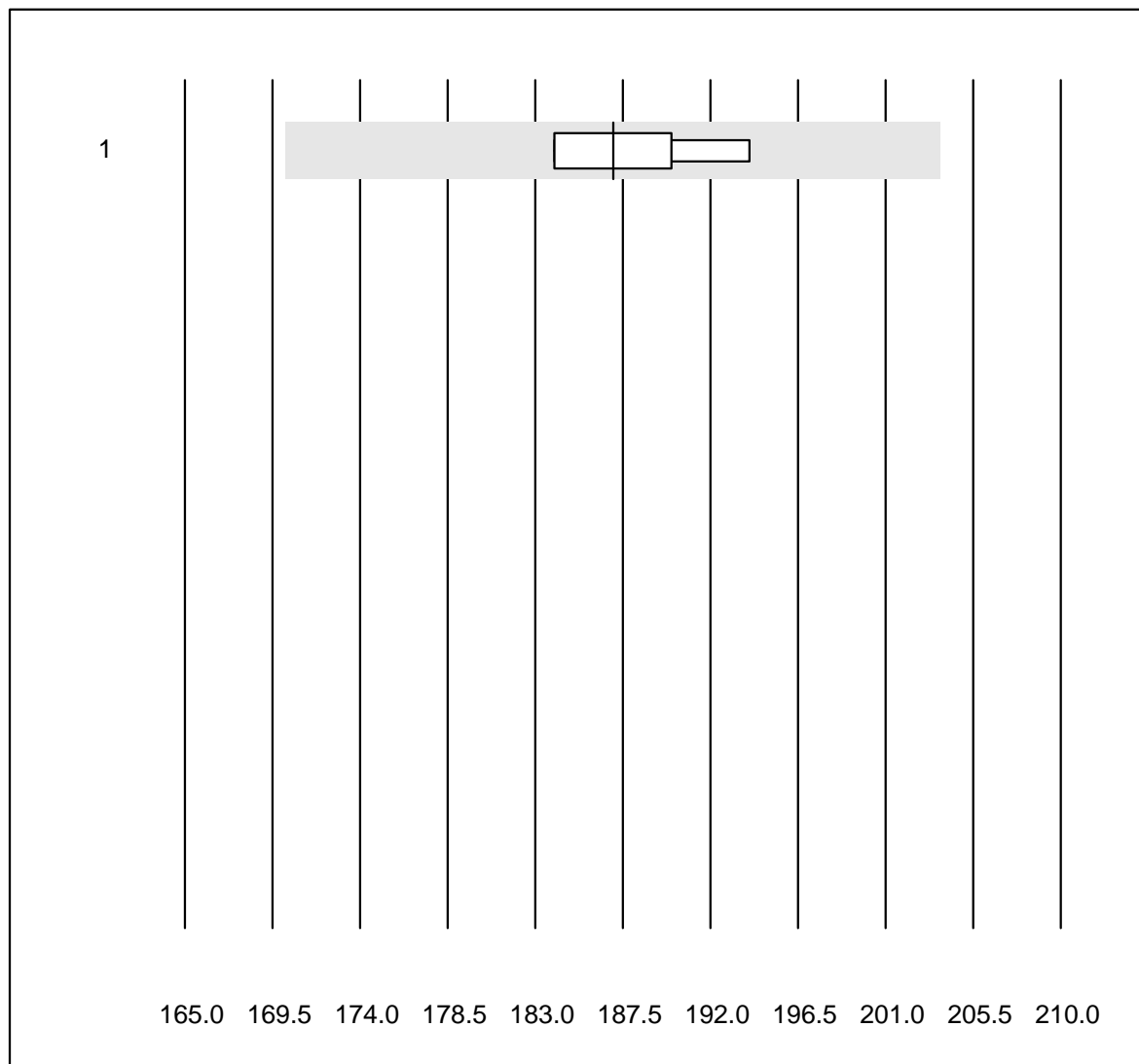


QUALAB tolerance : 24 %

Cystatin C (mg/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	all Participants	4	100.0	0.0	0.0	0.7	7.9	e*

Hemoglobin BG

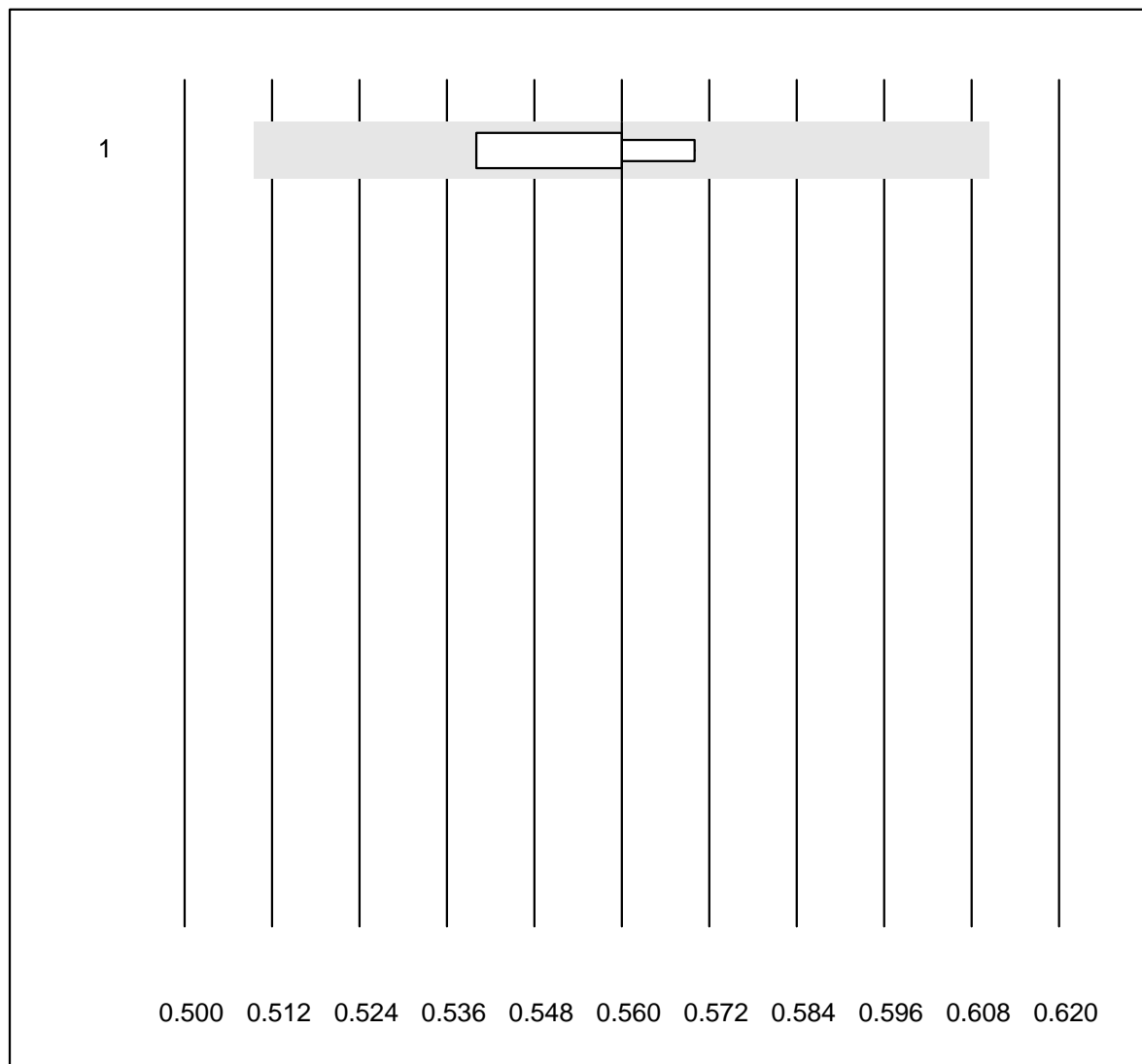


QUALAB tolerance : 9 %

Hemoglobin BG (g/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	iStat	4	100.0	0.0	0.0	187.0	2.6	e*

Hematocrit

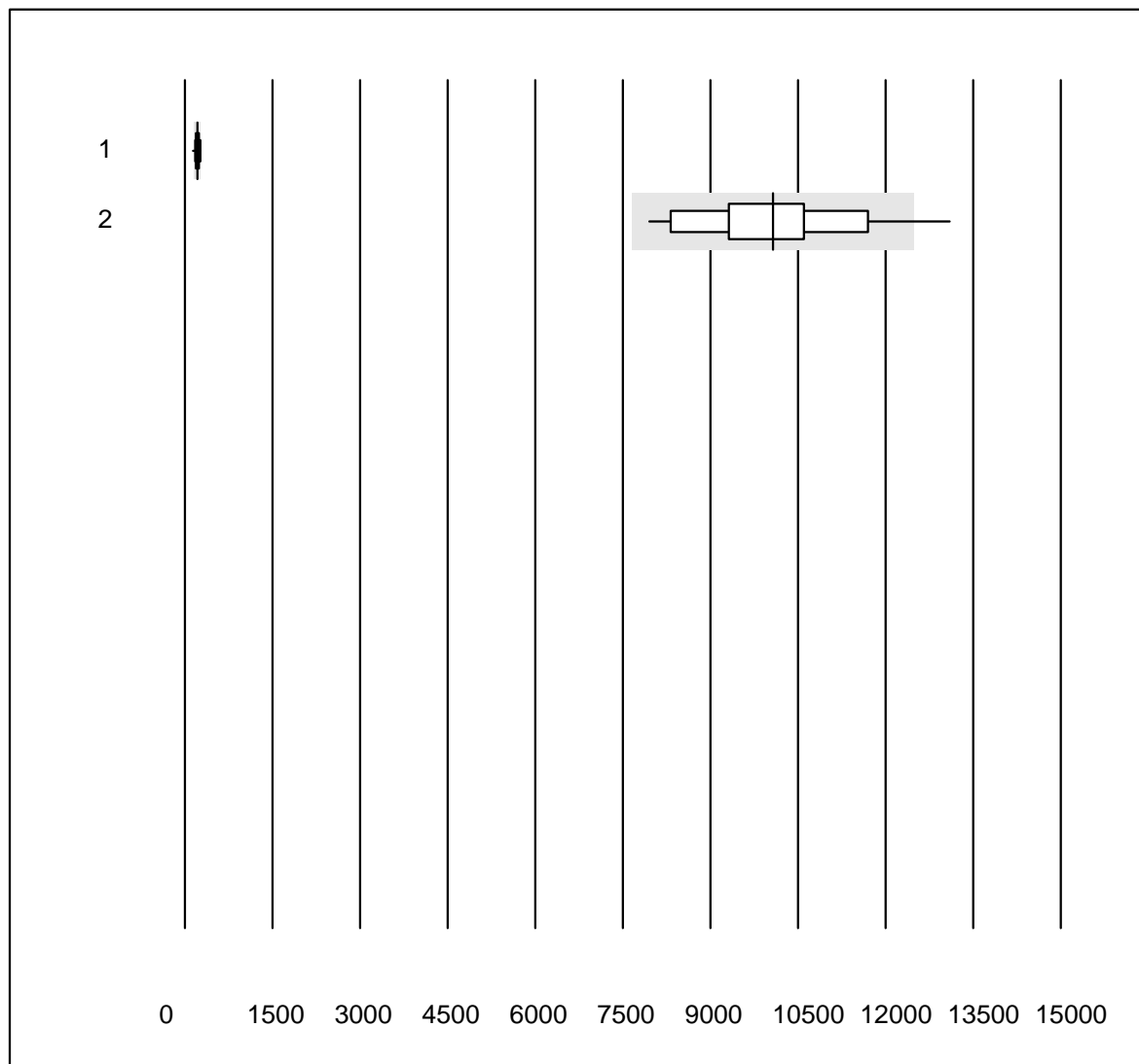


QUALAB tolerance : 9 %

Hematocrit (l/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	iStat	5	100.0	0.0	0.0	0.56	2.4	e*

Troponin Triage

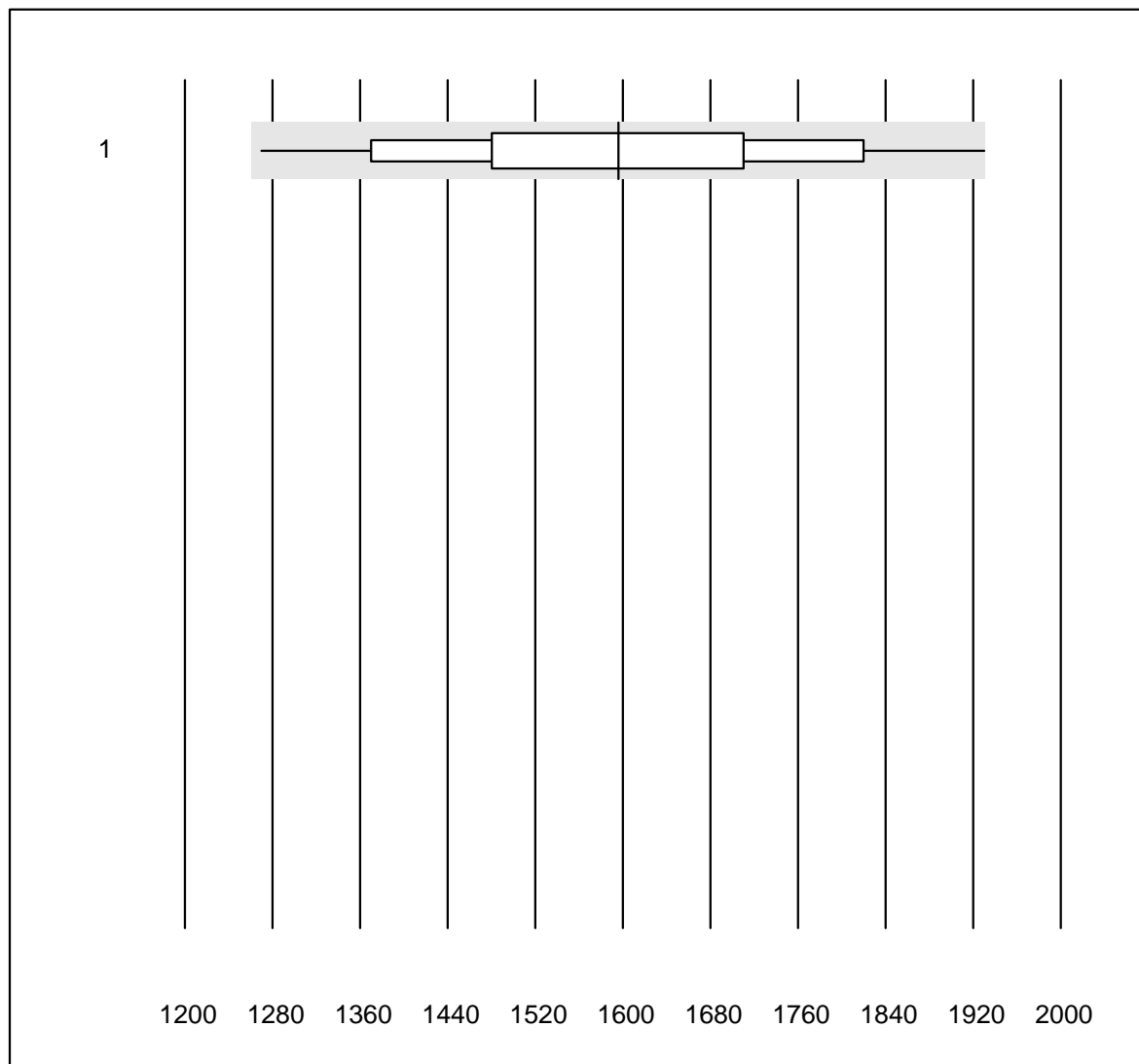


QUALAB tolerance : 24 %

Troponin Triage (ng/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Triage Next Gen	35	60.0	5.7	34.3	211.74	16.7	e
2	Triage SOB/Cardiac	18	88.8	5.6	5.6	10068.24	11.9	e

D-dimer Triage

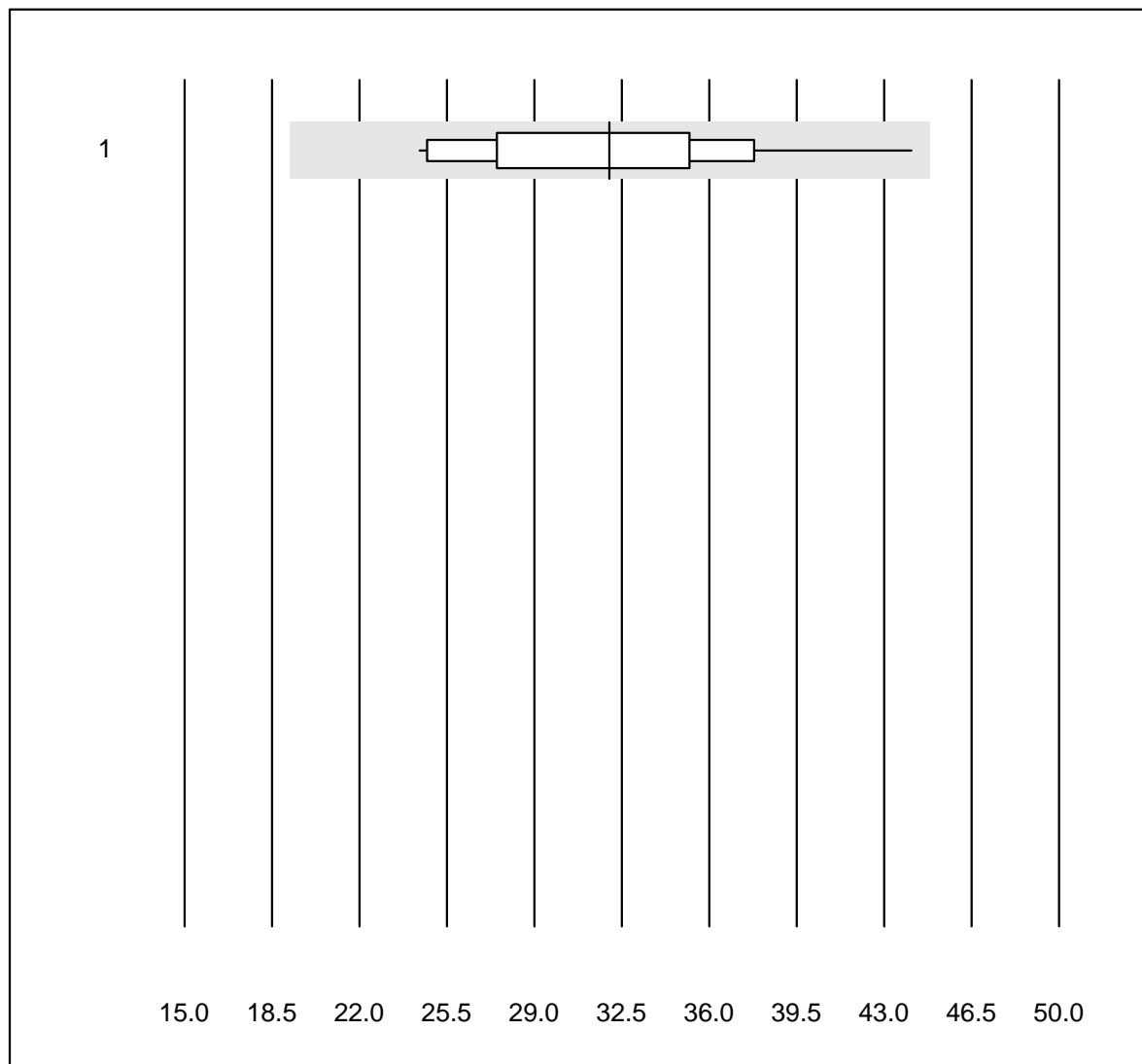


QUALAB tolerance : 21 %

D-dimer Triage (ng/ml)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Triage	49	93.9	0.0	6.1	1595.87	10.3	e

CK-MB Triage

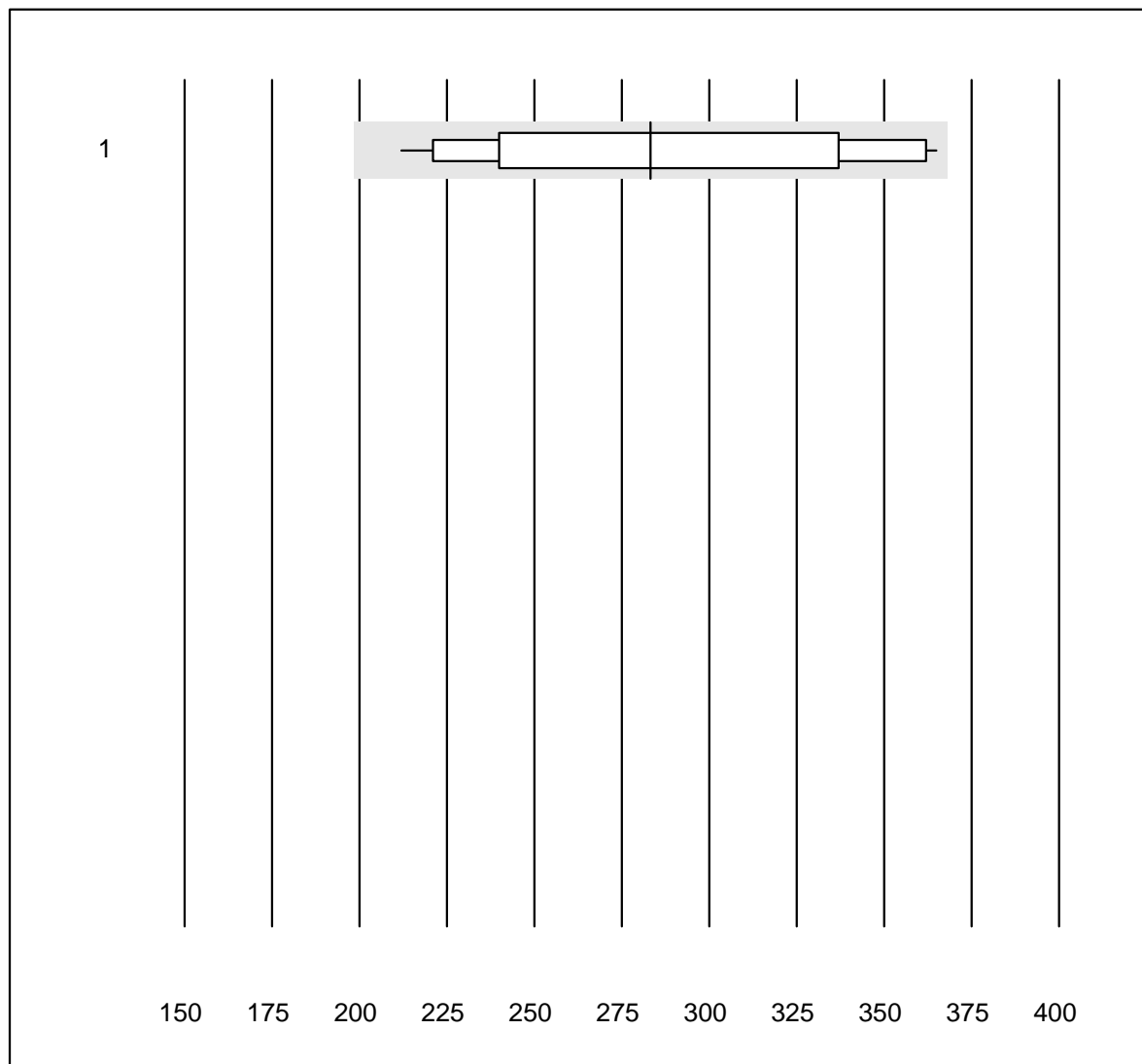


QUALAB tolerance : 40 %

CK-MB Triage (µg/l)

No. Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1 Triage	16	93.7	0.0	6.3	32.0	16.4	e

Myoglobin Triage

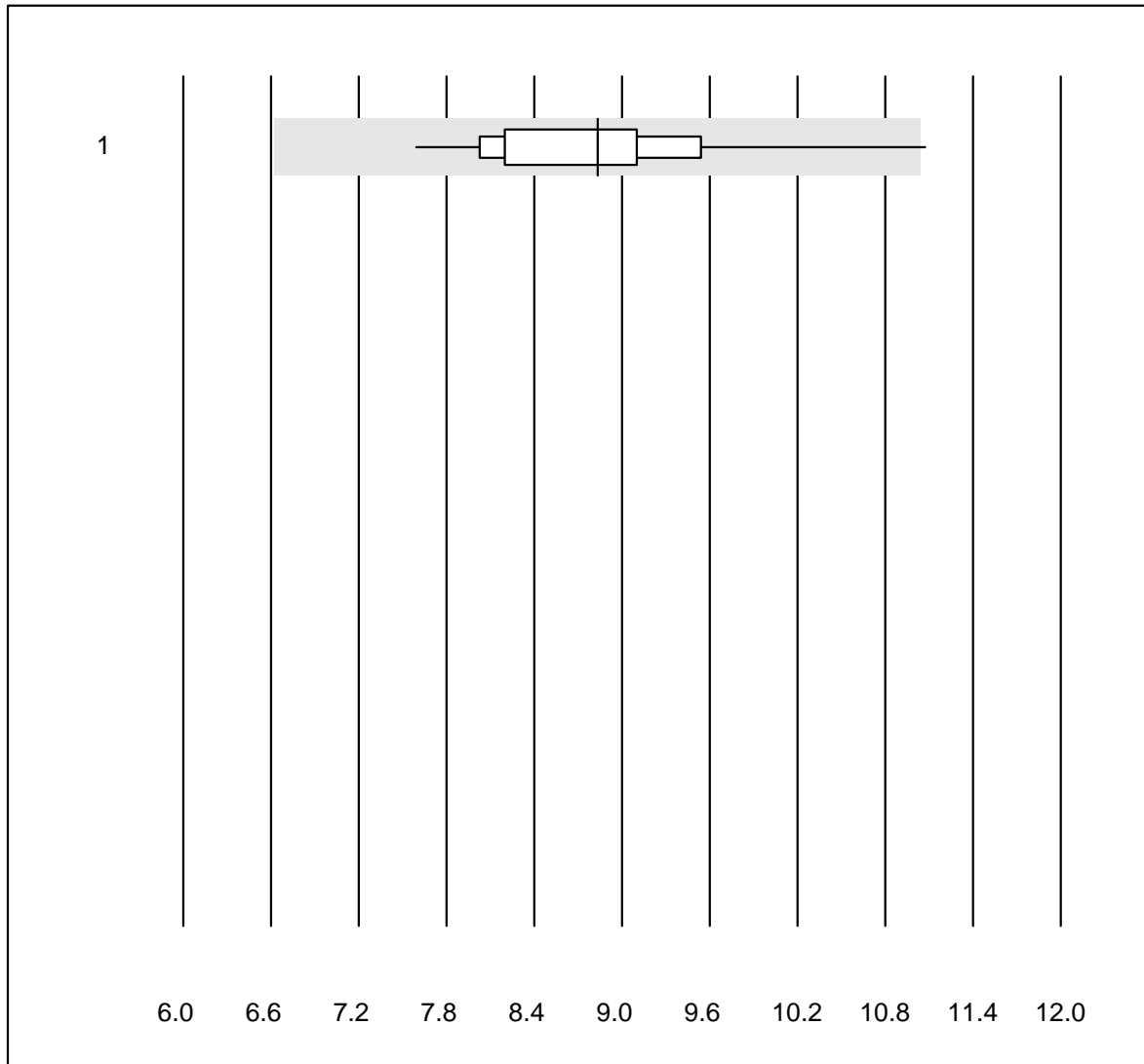


QUALAB tolerance : 30 %

Myoglobin Triage (µg/l)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Triage	15	100.0	0.0	0.0	283.2	18.6	e*

Ethanol

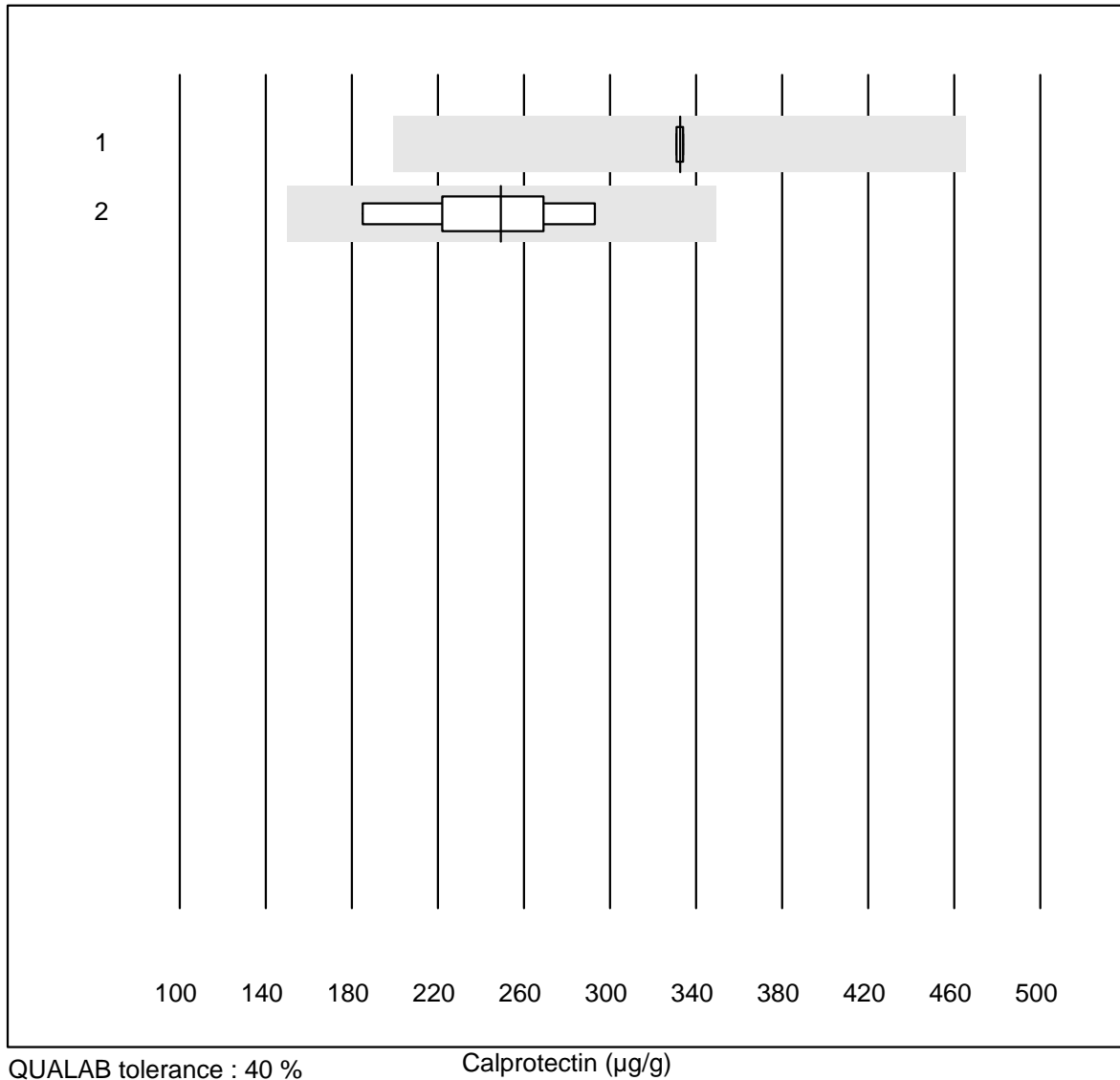


QUALAB tolerance : 25 %

Ethanol (mmol/l)

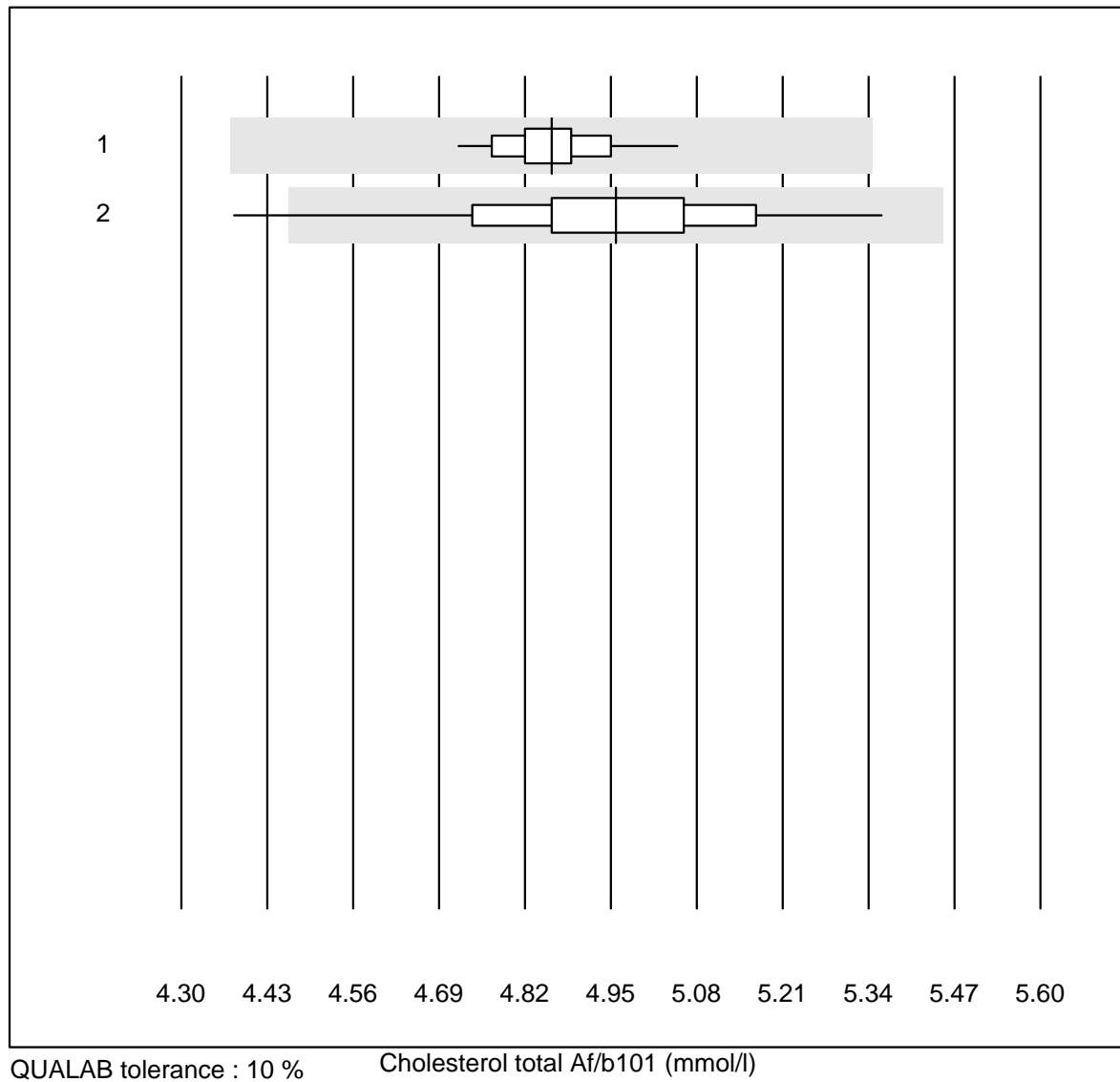
No. Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Type
1 all Participants	14	92.9	7.1	0.0	8.8	9.7	e

Calprotectin



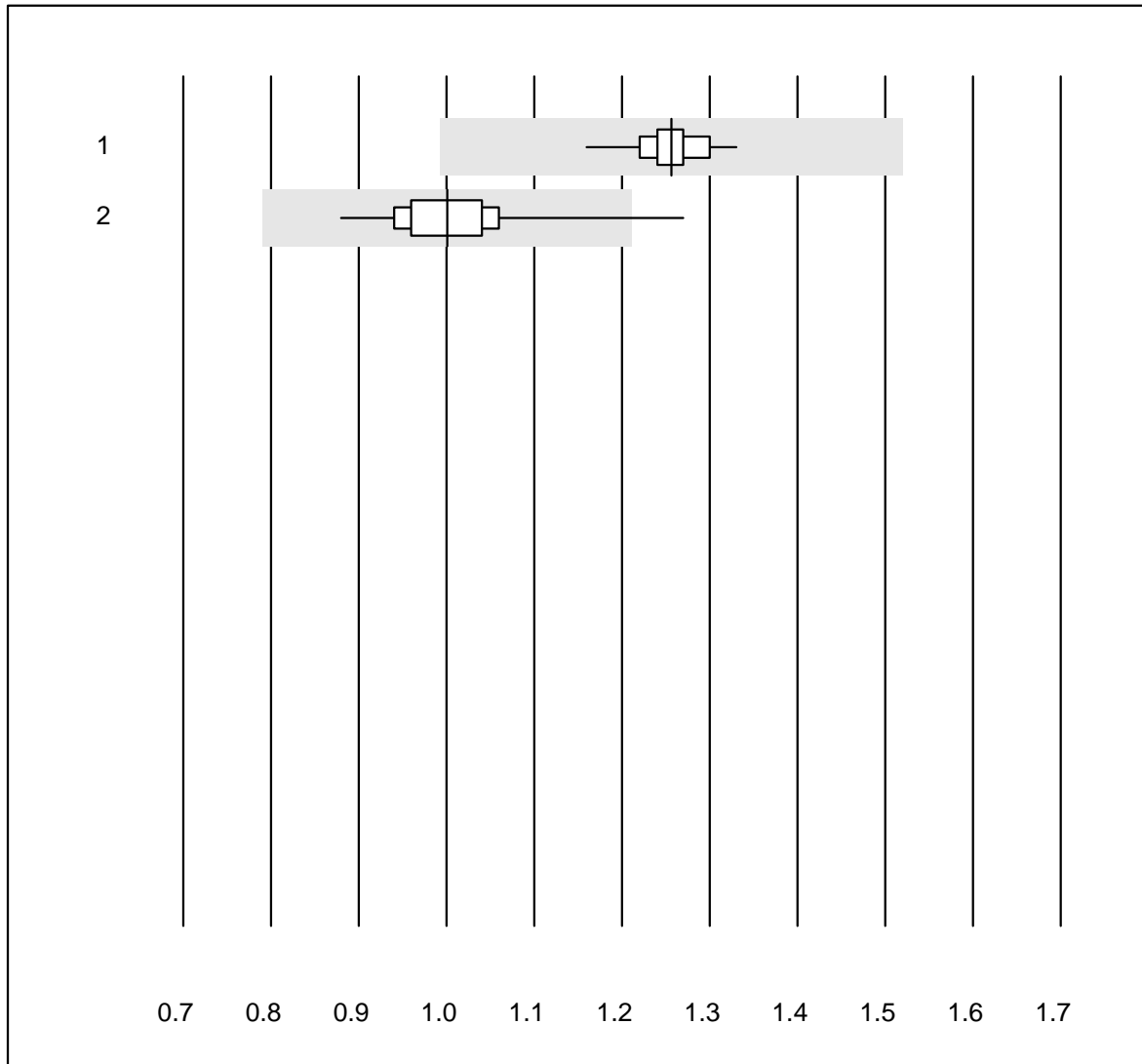
No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Other methods	4	50.0	0.0	50.0	333	0.6	e
2	Bühlmann	9	100.0	0.0	0.0	249	14.4	e*

Cholesterol total Af/b101



No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Cobas b101	48	97.9	0.0	2.1	4.86	1.5	e
2	Afinion	293	99.0	1.0	0.0	4.96	3.3	e

Cholesterol HDL Af/b101

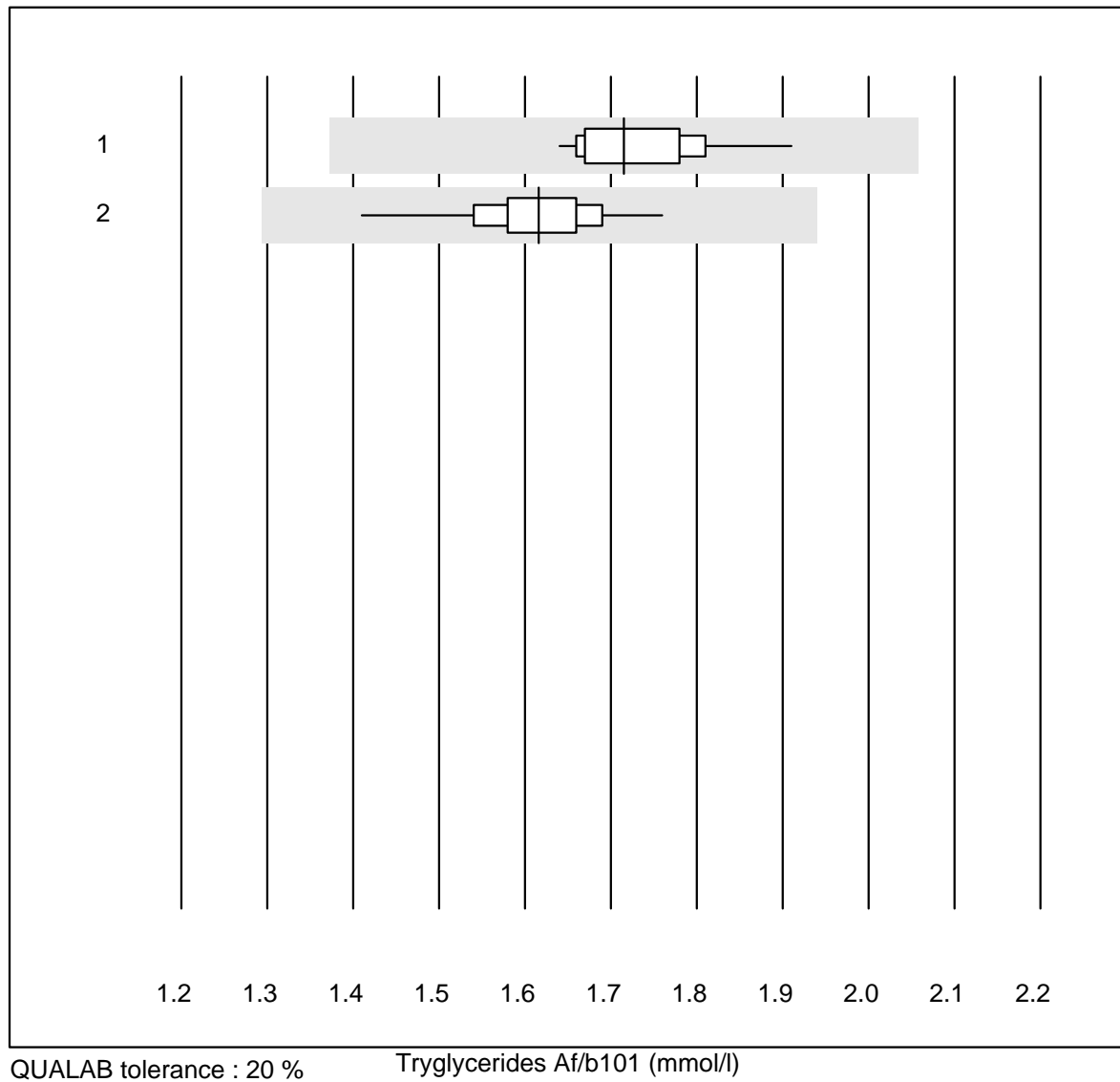


QUALAB tolerance : 21 %

Cholesterol HDL Af/b101 (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Cobas b101	48	93.7	0.0	6.3	1.26	2.7	e
2	Afinion	286	94.1	0.3	5.6	1.00	5.4	e

Tryglycerides Af/b101

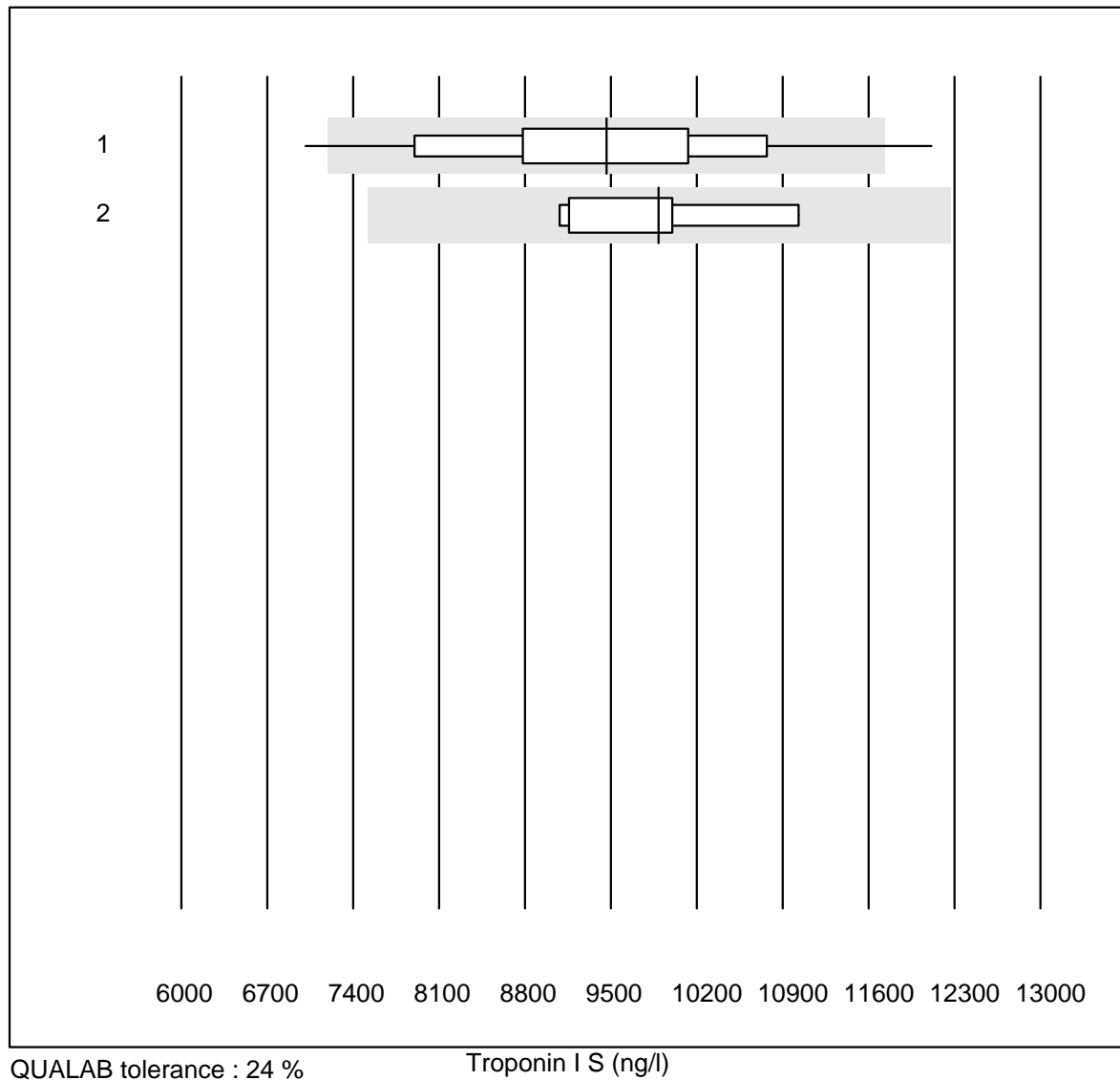


QUALAB tolerance : 20 %

Tryglycerides Af/b101 (mmol/l)

No. Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1 Cobas b101	47	100.0	0.0	0.0	1.72	3.8	e
2 Afinion	290	99.0	0.0	1.0	1.62	3.5	e

Troponin I S

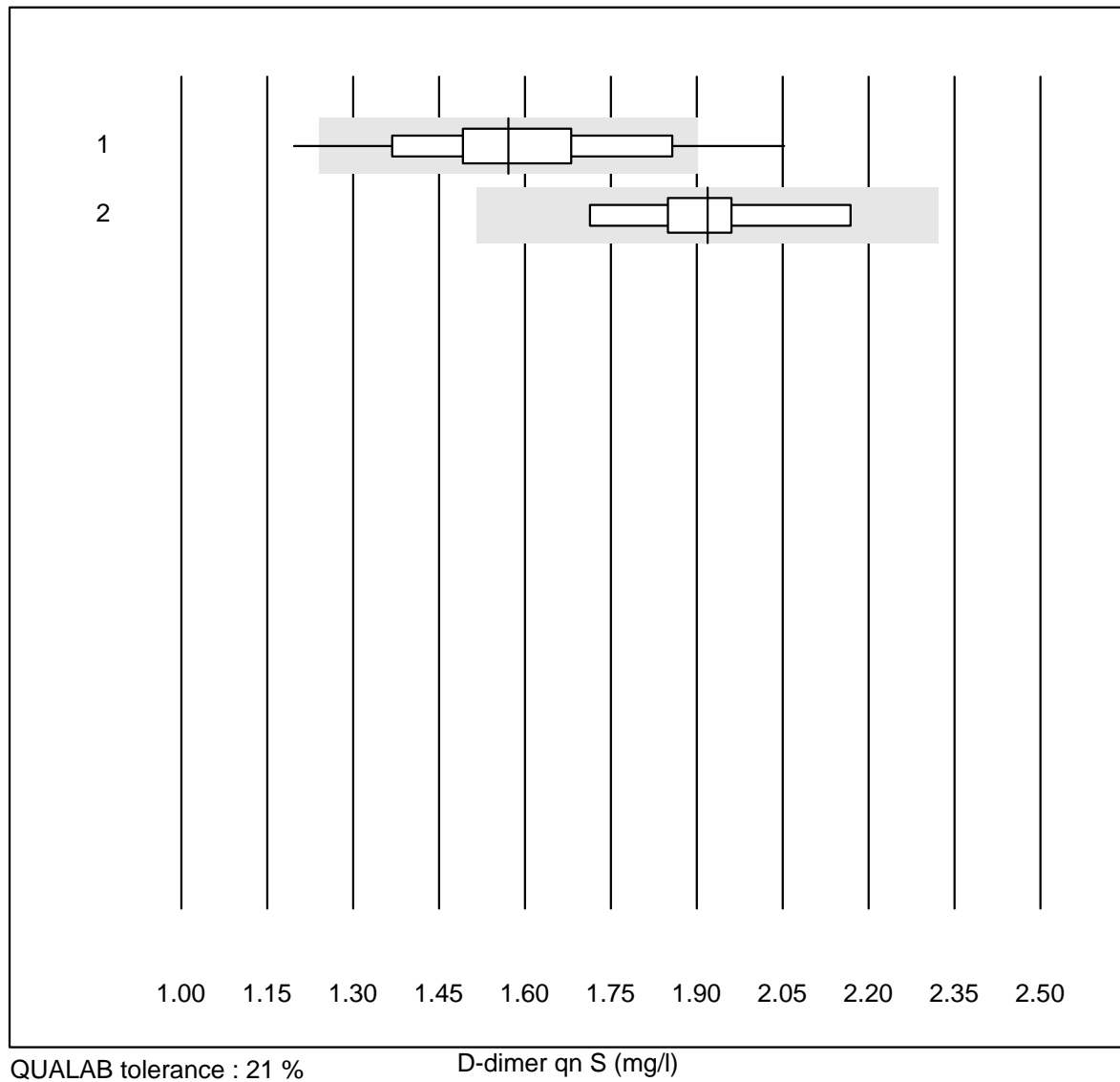


QUALAB tolerance : 24 %

Troponin I S (ng/l)

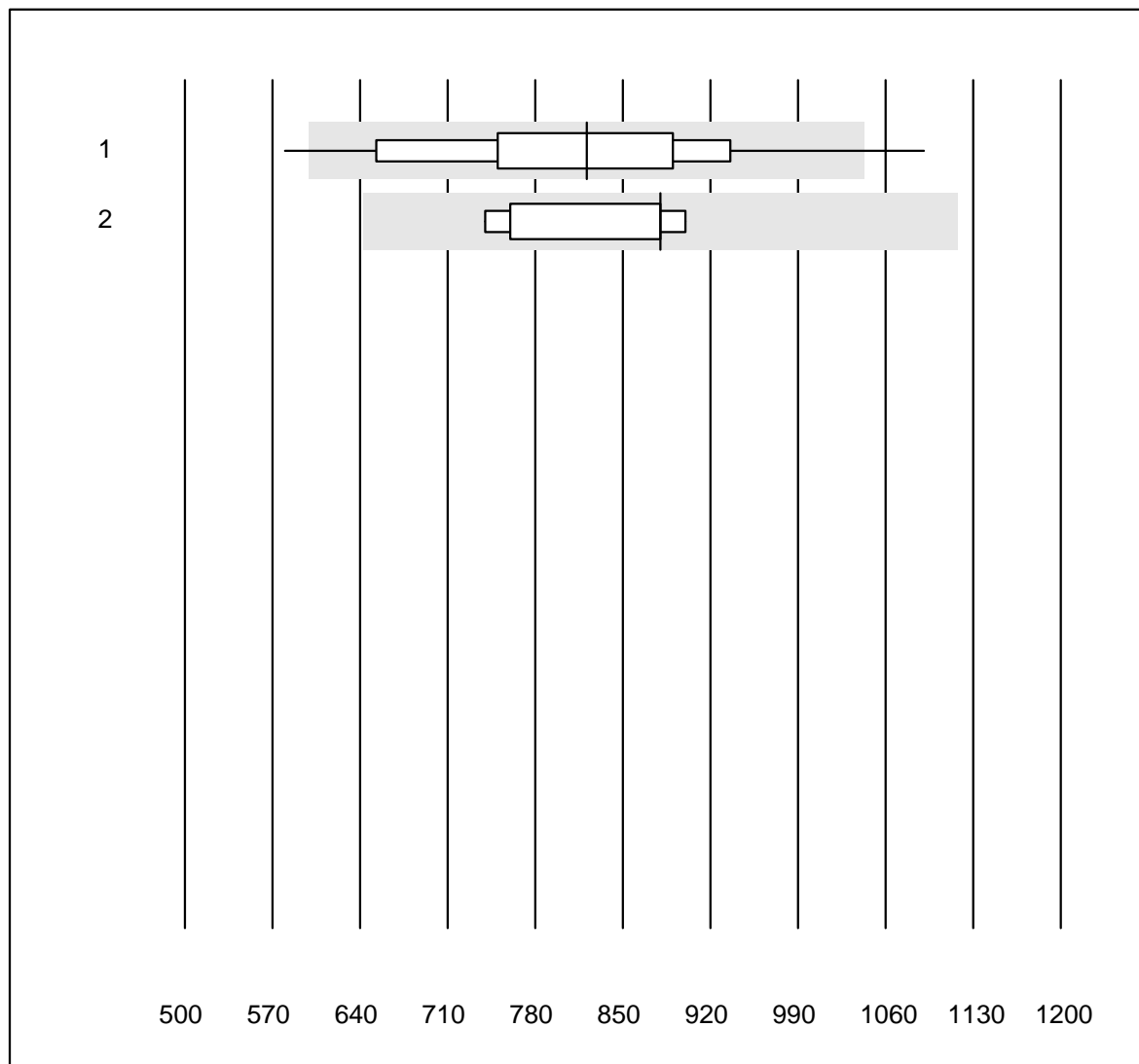
No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Samsung LABGEO IB10	54	94.4	5.6	0.0	9465.89	11.2	e
2	AFIAS	9	88.9	0.0	11.1	9890.00	7.3	e

D-dimer qn S



No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Samsung LABGEO IB10	67	91.0	9.0	0.0	1.57	11.2	e
2	AFIAS	10	90.0	0.0	10.0	1.92	7.3	e

NT-pro BNP S

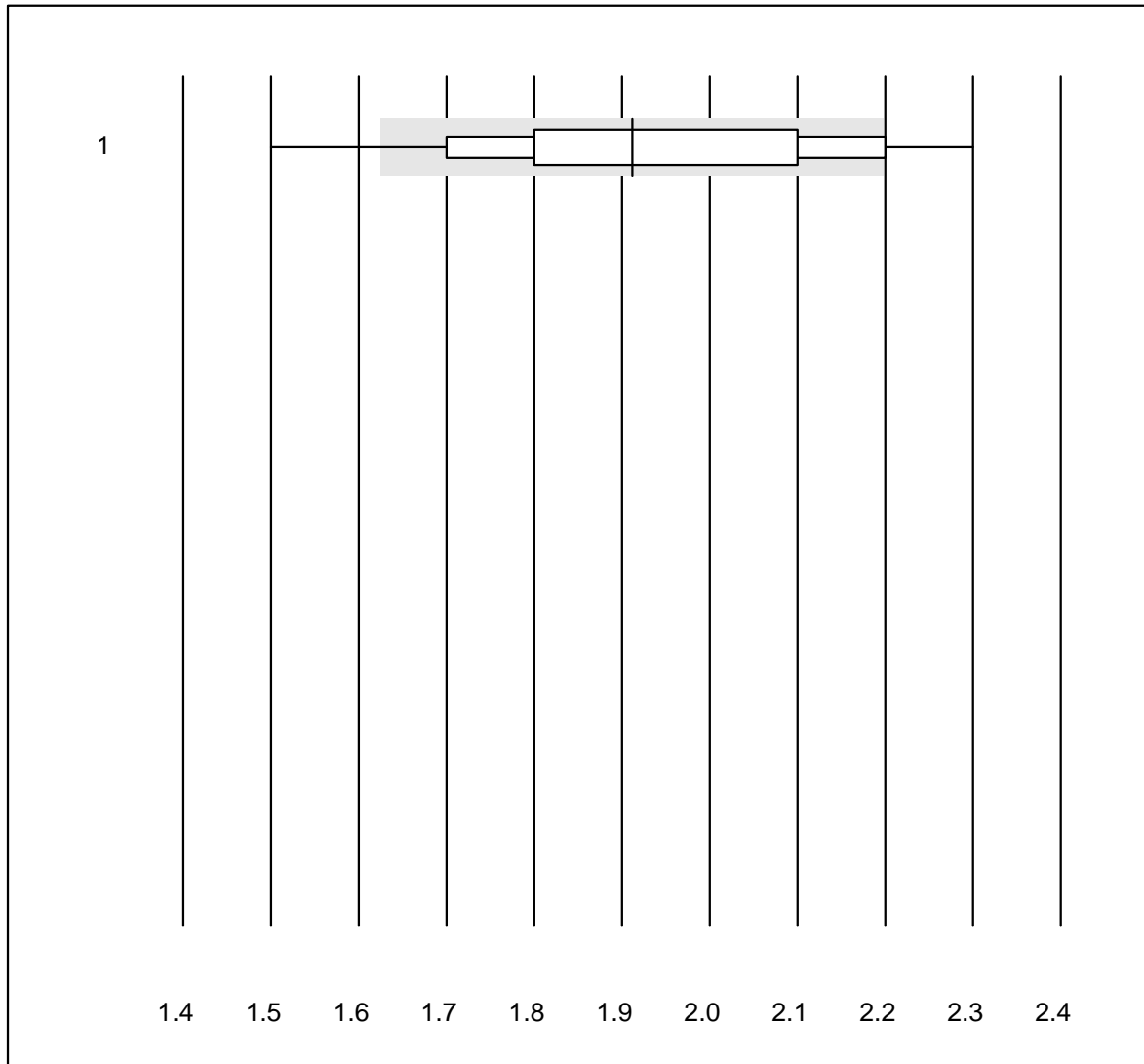


QUALAB tolerance : 27 %

NT-pro BNP S (ng/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Samsung LABGEO IB10	43	90.7	7.0	2.3	821.4	14.5	e
2	AFIAS	9	77.8	0.0	22.2	880.0	7.6	e

INR MI

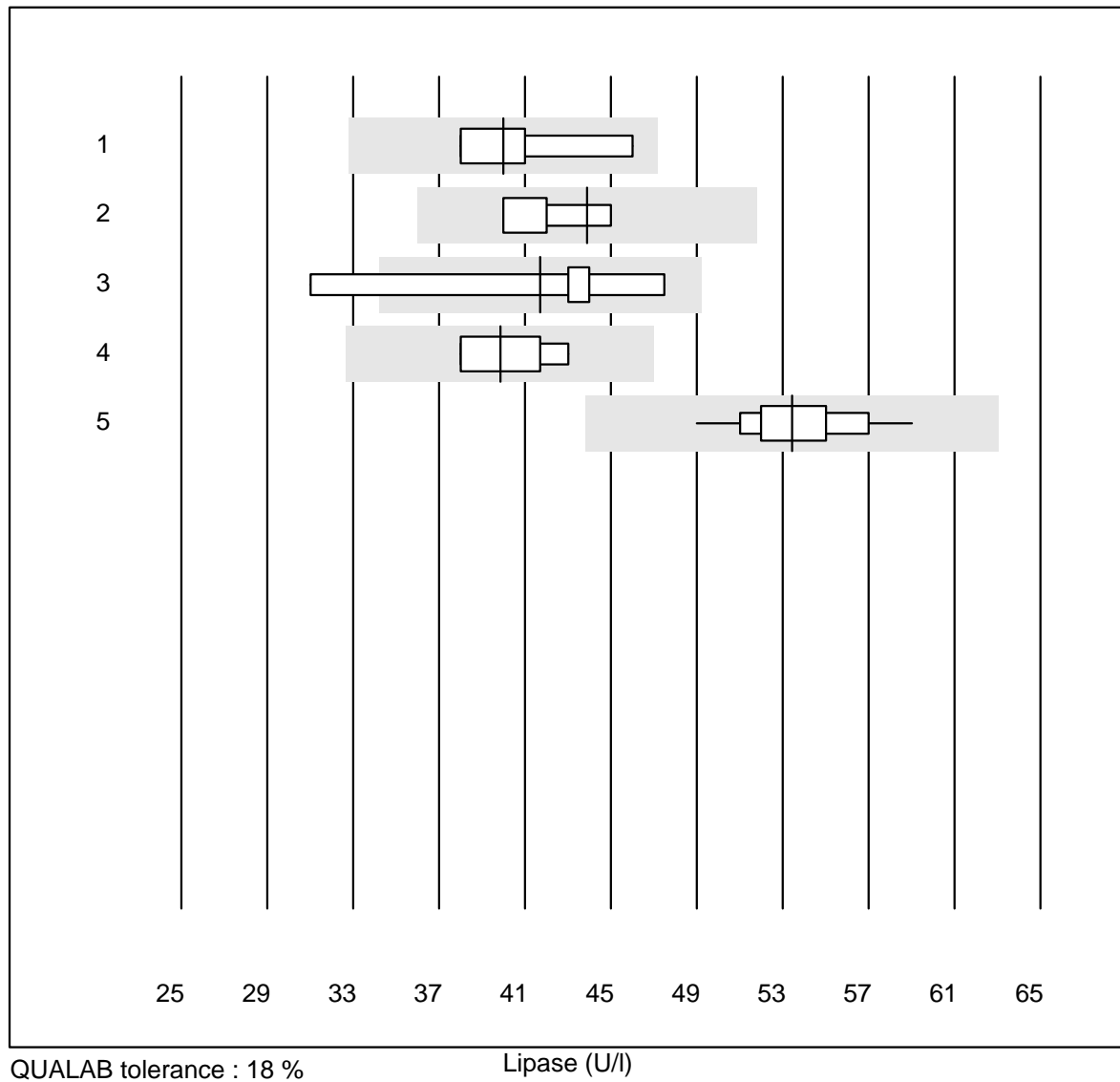


QUALAB tolerance : 15 %

INR MI ()

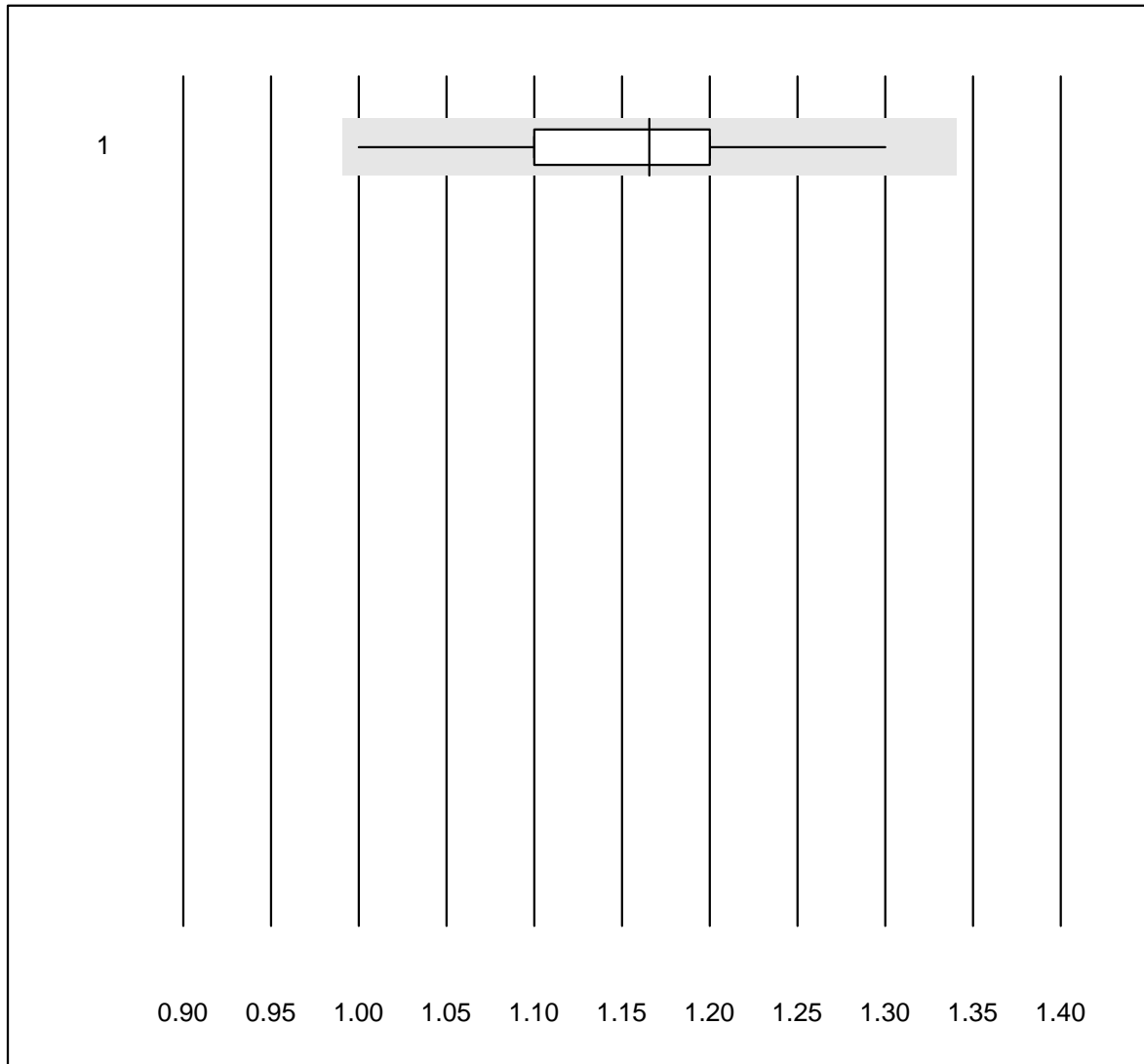
No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	MicroINR	76	71.1	17.1	11.8	1.9	10.3	e

Lipase



No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Autolyser/DiaSys	4	100.0	0.0	0.0	40.0	8.7	e*
2	Architect	4	100.0	0.0	0.0	43.9	5.7	a
3	Beckman	5	80.0	20.0	0.0	41.7	15.0	a
4	Cobas	8	100.0	0.0	0.0	39.9	4.8	e
5	Fuji Dri-Chem	86	96.5	0.0	3.5	53.4	4.5	e

INR Xprecia

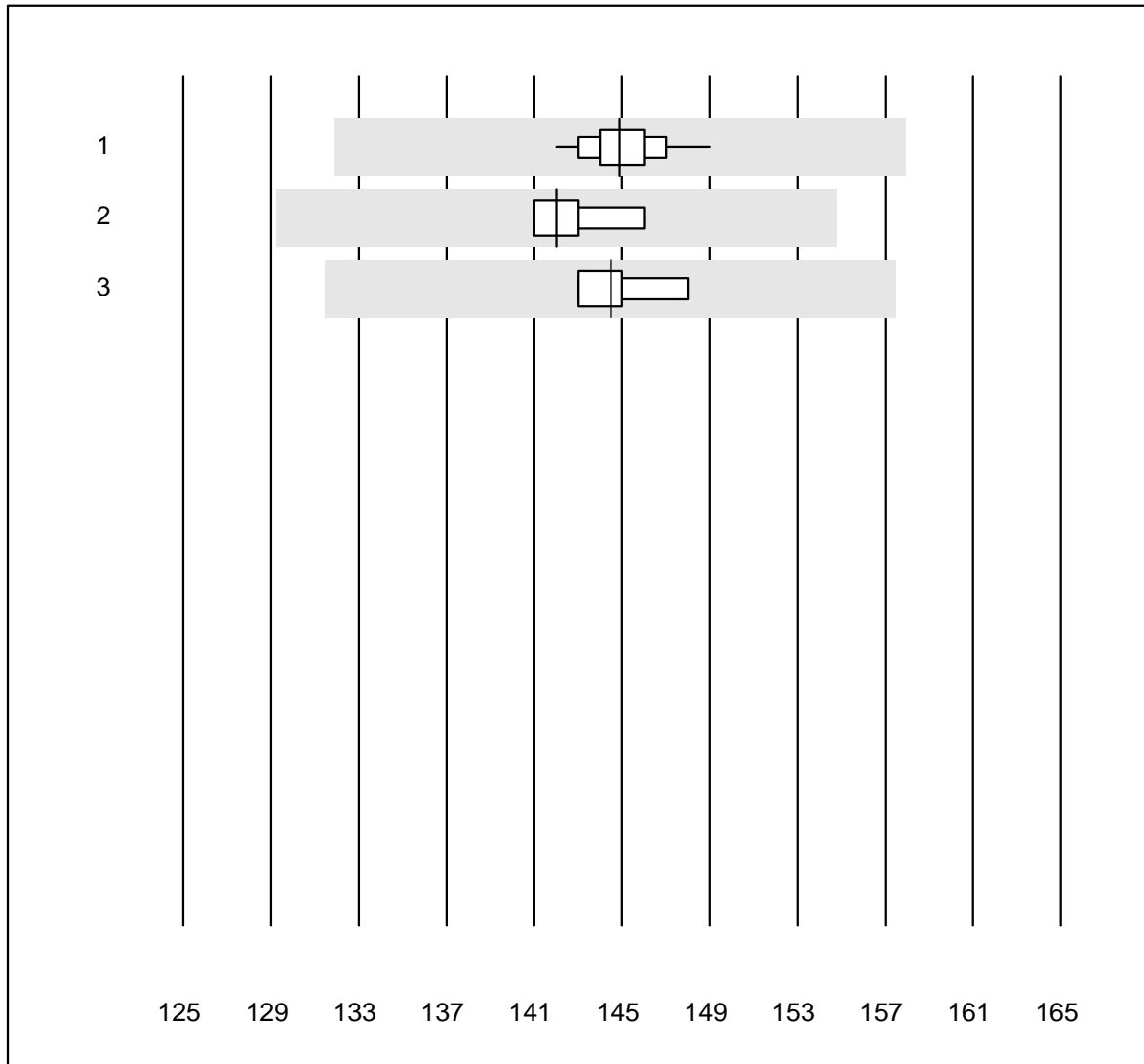


QUALAB tolerance : 15 %

INR Xprecia ()

No. Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1 Xprecia	32	100.0	0.0	0.0	1.2	6.0	e

Hemoglobin

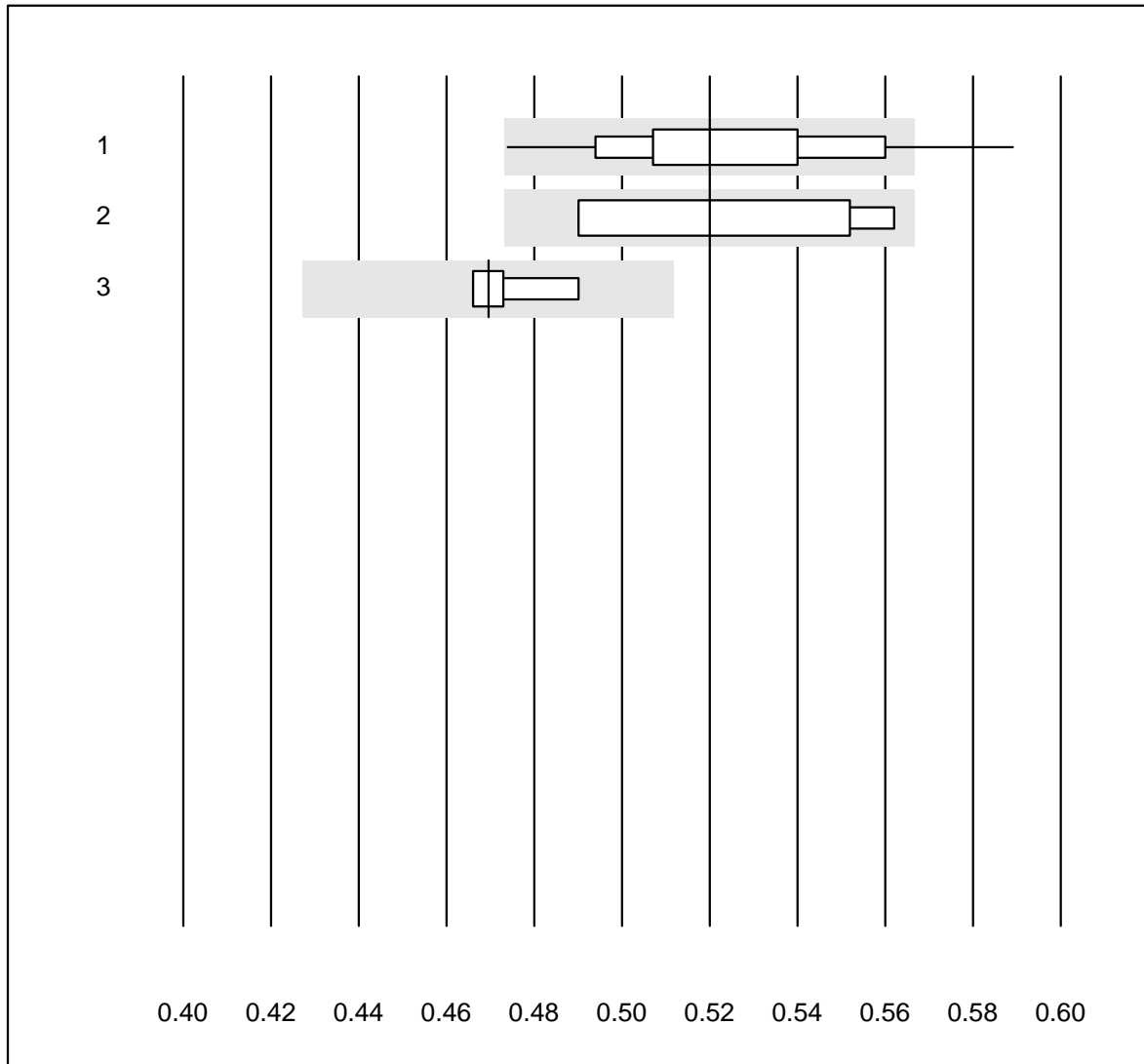


QUALAB tolerance : 9 %

Hemoglobin (g/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Sysmex	37	100.0	0.0	0.0	144.9	1.1	e
2	Advia	5	100.0	0.0	0.0	142.0	1.5	e
3	ABX Pentra	4	100.0	0.0	0.0	144.5	1.5	e

Hematocrit

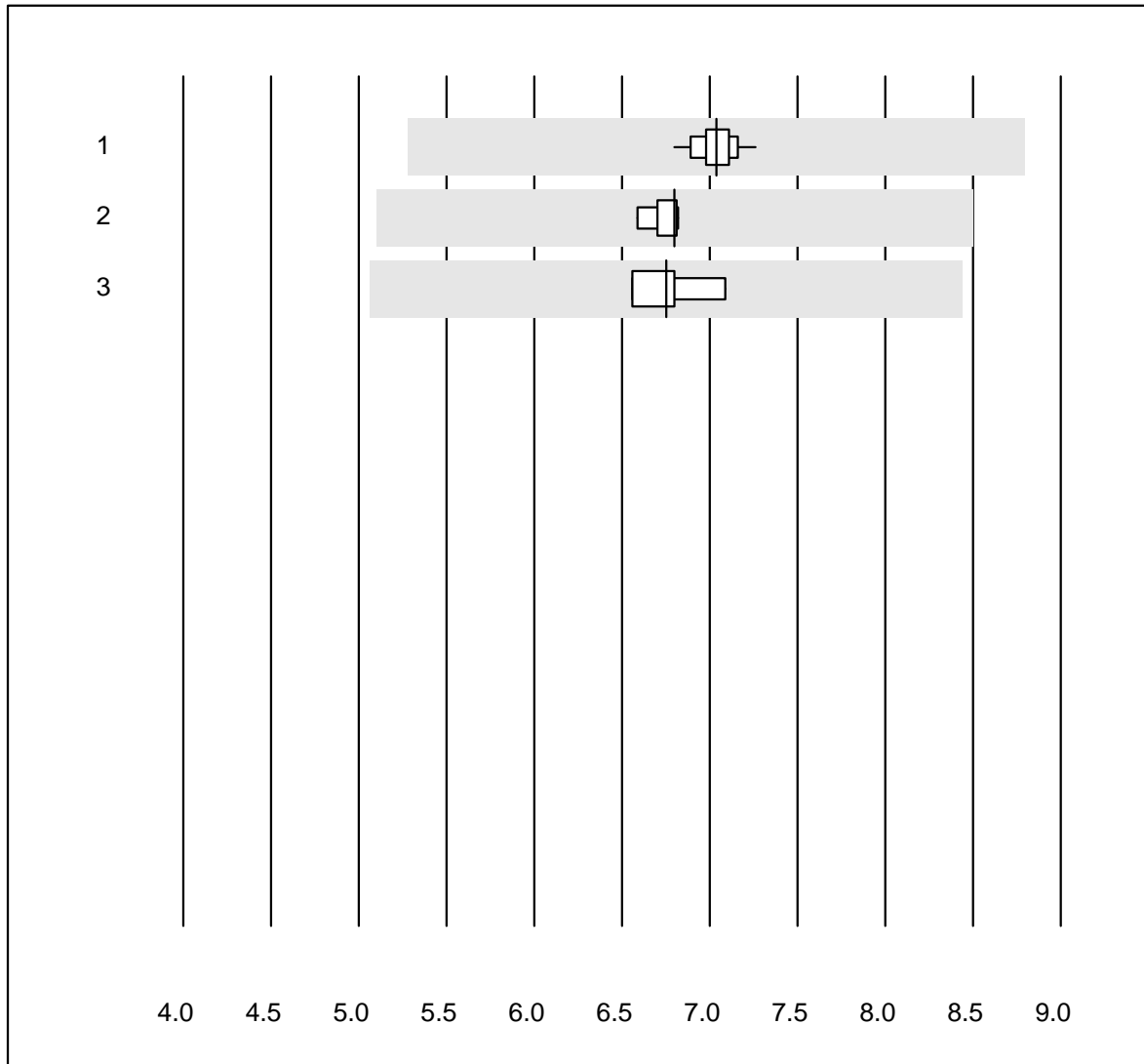


QUALAB tolerance : 9 %

Hematocrit (l/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Sysmex	37	94.6	5.4	0.0	0.52	4.9	e
2	Advia	5	100.0	0.0	0.0	0.52	6.8	a
3	ABX Pentra	4	100.0	0.0	0.0	0.47	2.4	e*

Erythrocytes

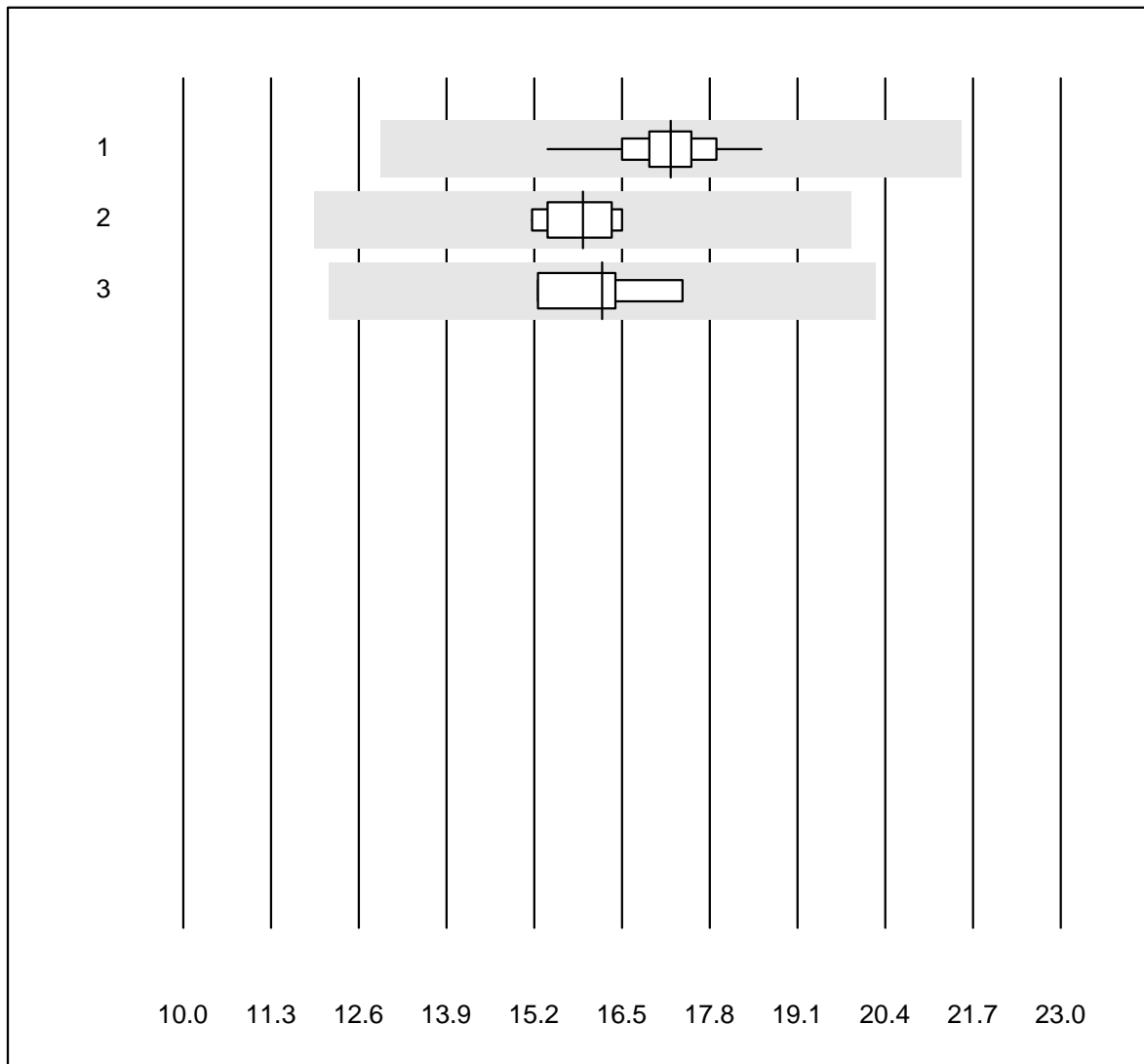


QUALAB tolerance : 25 %

Erythrocytes (T/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Sysmex	37	100.0	0.0	0.0	7.04	1.4	e
2	Advia	5	100.0	0.0	0.0	6.80	1.5	e
3	ABX Pentra	4	100.0	0.0	0.0	6.75	3.3	e

Leucocytes

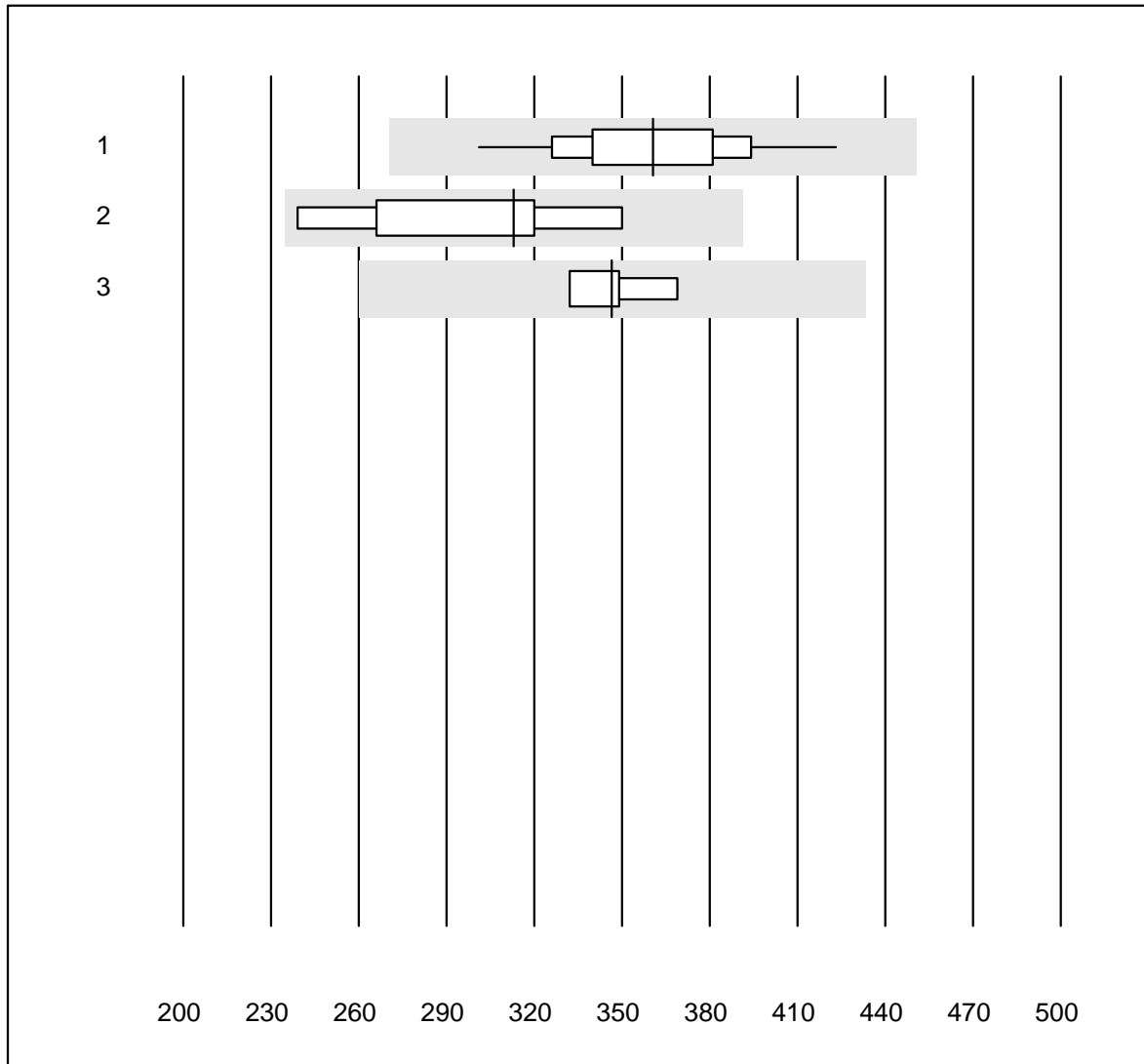


QUALAB tolerance : 25 %

Leucocytes (G/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Sysmex	37	100.0	0.0	0.0	17.22	3.5	e
2	Advia	5	100.0	0.0	0.0	15.92	3.6	e
3	ABX Pentra	4	100.0	0.0	0.0	16.20	5.5	e

Thrombocytes

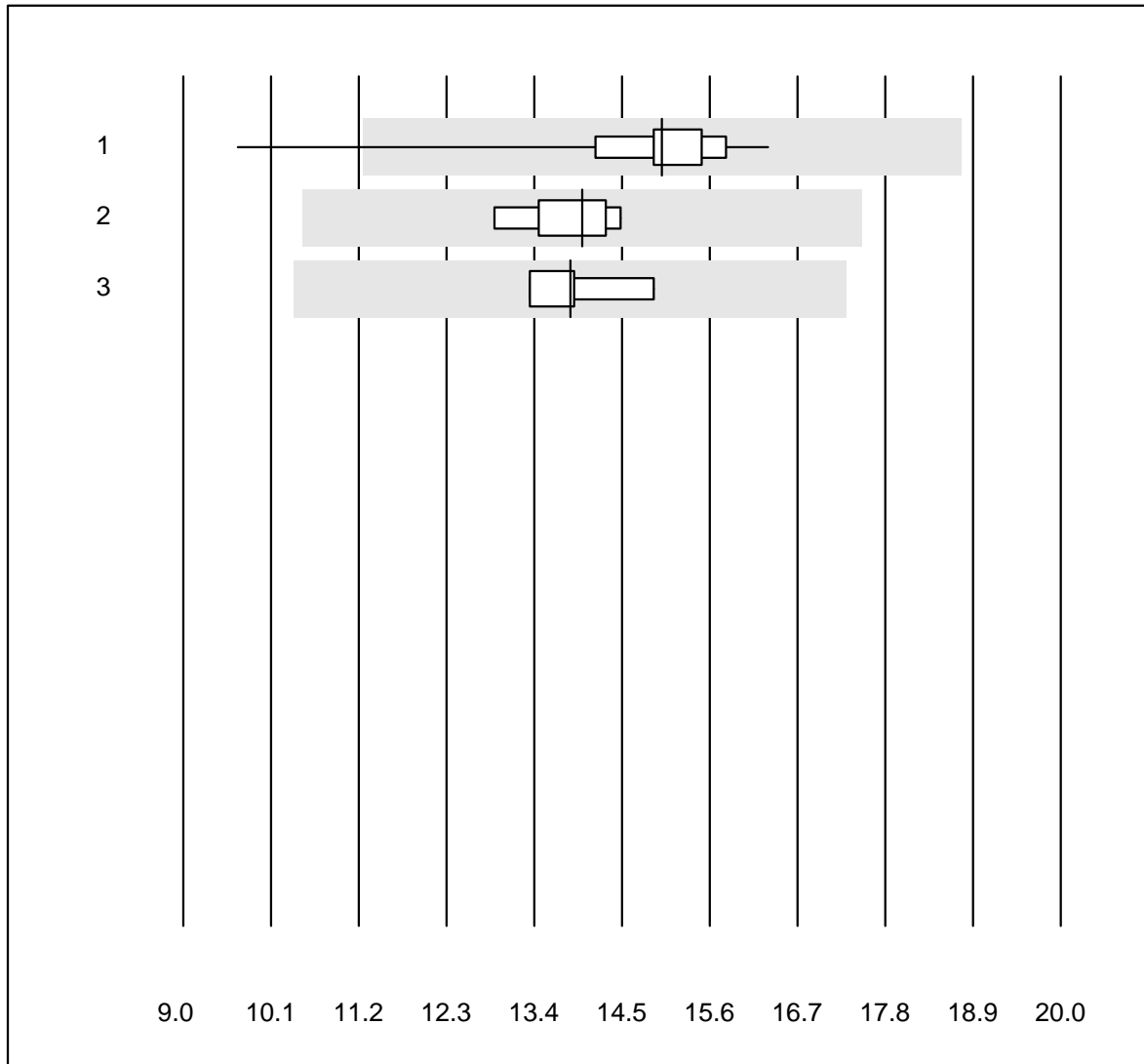


QUALAB tolerance : 25 %

Thrombocytes (G/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Sysmex	37	97.3	0.0	2.7	360.7	7.6	e
2	Advia	5	100.0	0.0	0.0	313.0	14.9	e*
3	ABX Pentra	4	100.0	0.0	0.0	346.5	4.4	e

Neutrophils

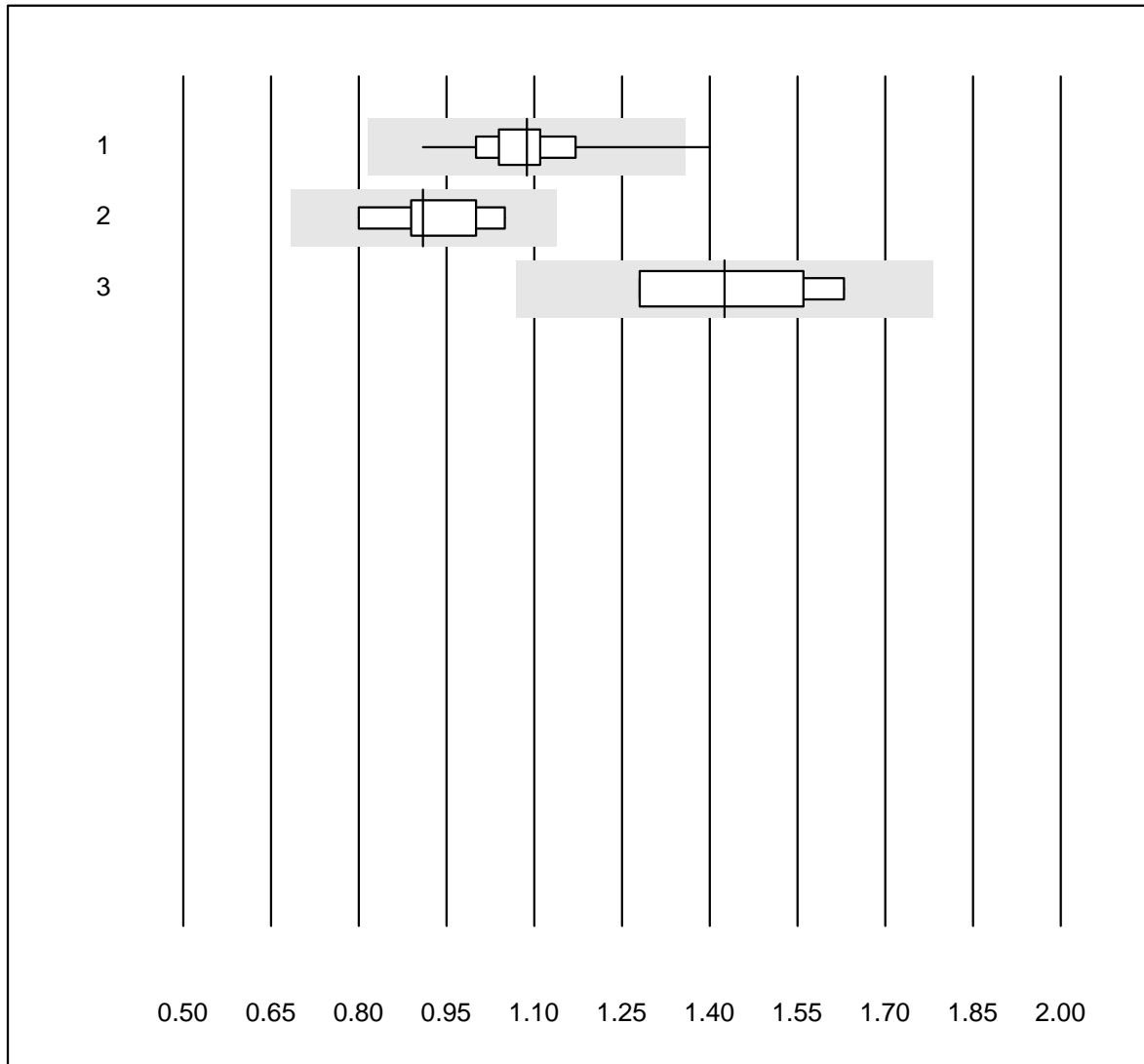


QUALAB tolerance : 25 %

Neutrophils (G/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Sysmex	37	97.3	2.7	0.0	15.00	7.2	e
2	Advia	5	100.0	0.0	0.0	14.00	4.7	e
3	ABX Pentra	4	100.0	0.0	0.0	13.85	4.7	e

Lymphocytes

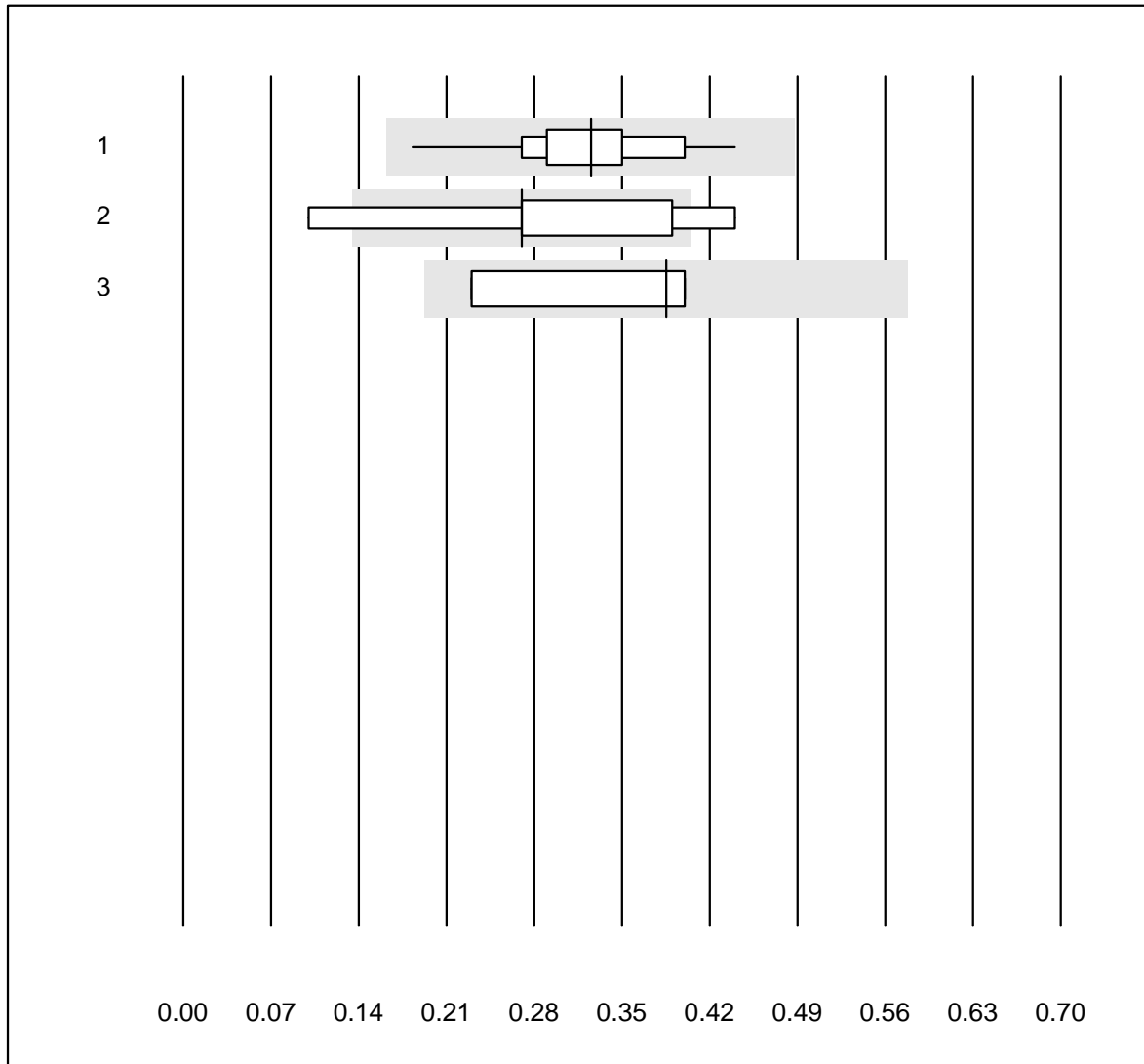


QUALAB tolerance : 25 %

Lymphocytes (G/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Sysmex	37	94.6	2.7	2.7	1.09	7.7	e
2	Advia	5	100.0	0.0	0.0	0.91	10.5	e*
3	ABX Pentra	4	100.0	0.0	0.0	1.43	12.6	e*

Monocytes

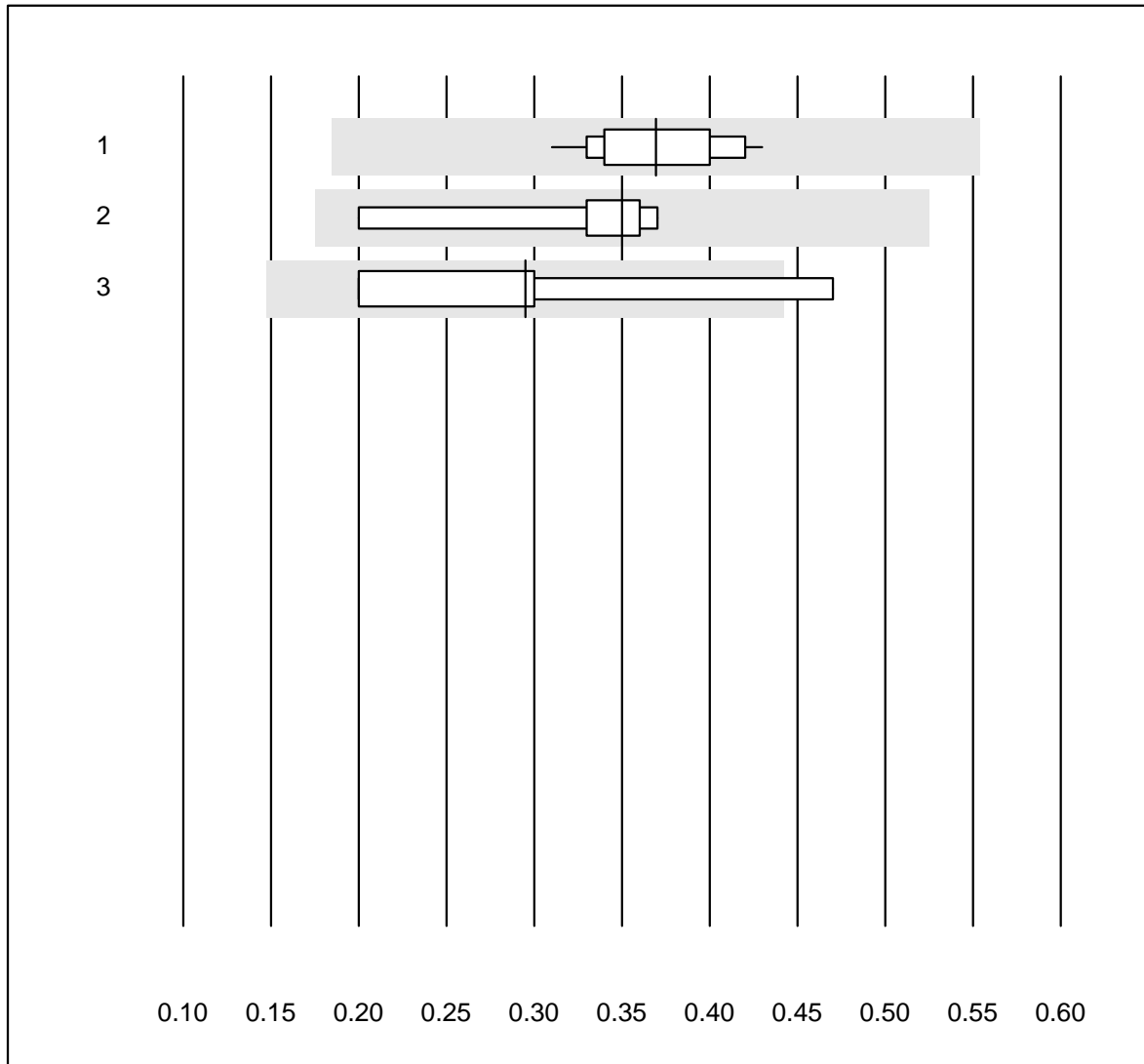


QUALAB tolerance : 25 %

Monocytes (G/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Sysmex	37	97.3	0.0	2.7	0.33	16.3	a
2	Advia	5	60.0	40.0	0.0	0.27	44.8	a
3	ABX Pentra	4	100.0	0.0	0.0	0.39	23.2	a

Eosinophils

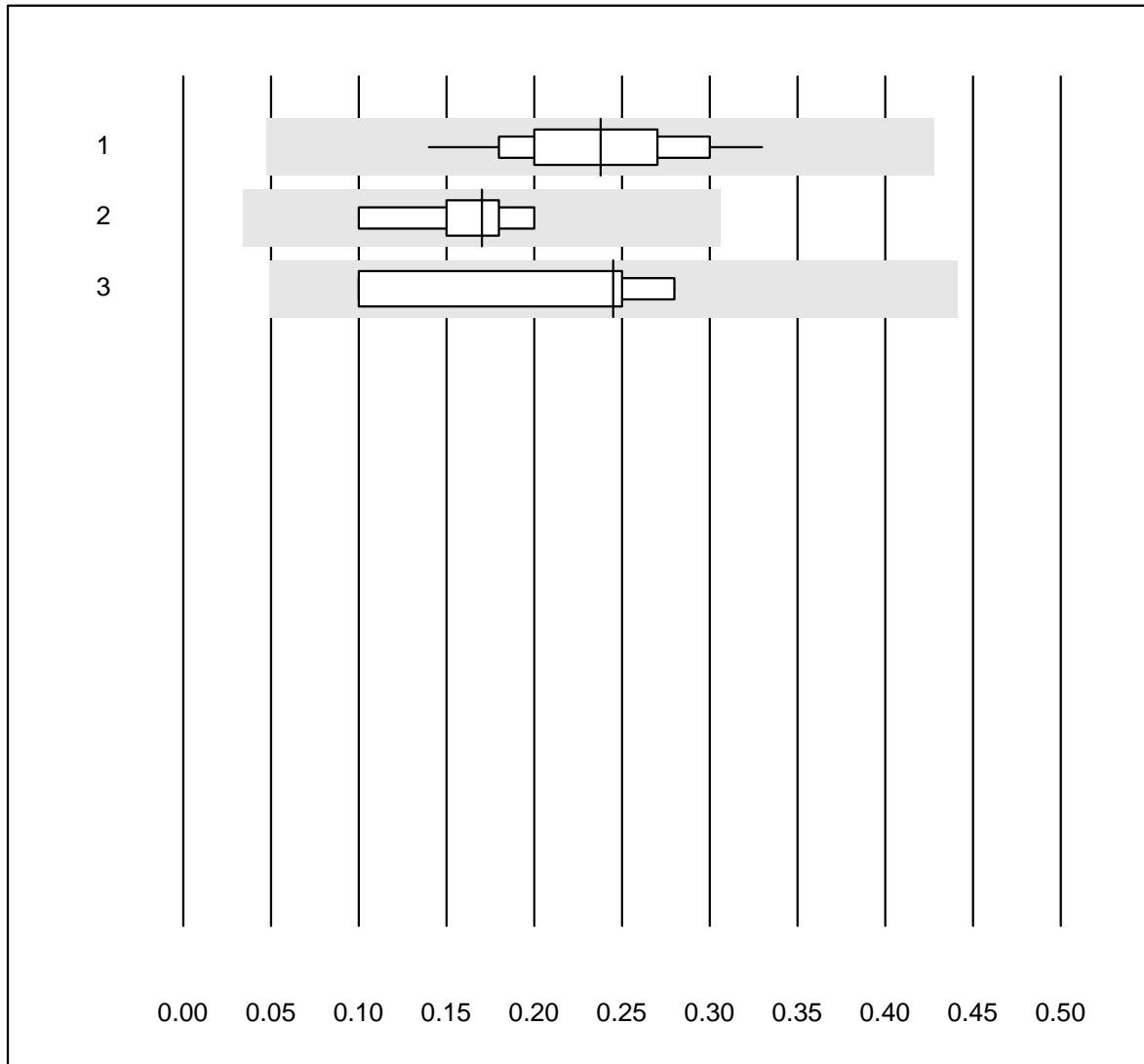


QUALAB tolerance : 50 %

Eosinophils (G/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Sysmex	37	97.3	0.0	2.7	0.37	9.0	e
2	Advia	5	100.0	0.0	0.0	0.35	21.7	e*
3	ABX Pentra	4	75.0	25.0	0.0	0.30	35.8	e*

Basophiles

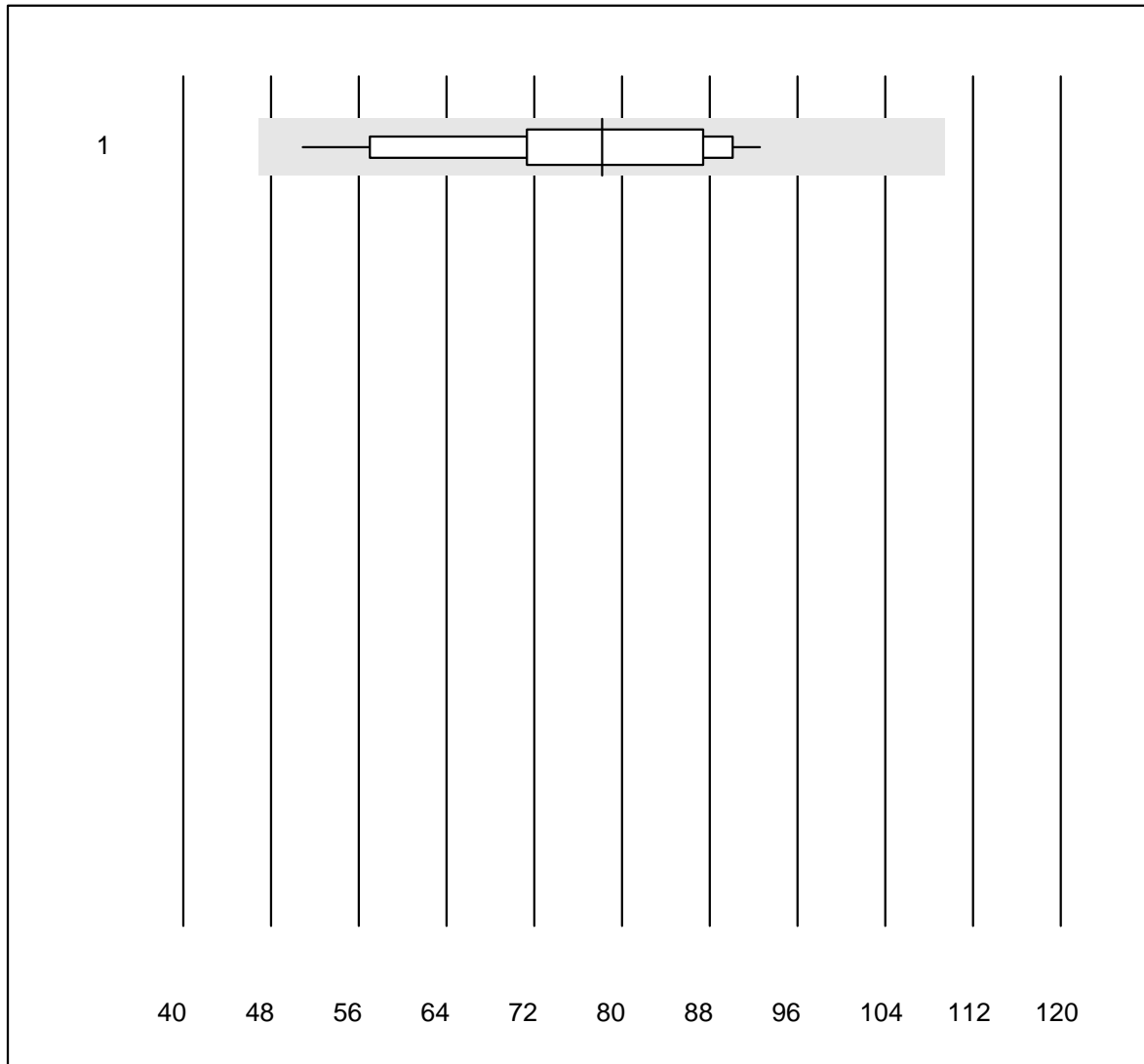


QUALAB tolerance : 80 %

Basophiles (G/l)

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Sysmex	37	97.3	0.0	2.7	0.24	19.8	e
2	Advia	5	100.0	0.0	0.0	0.17	23.8	e*
3	ABX Pentra	4	100.0	0.0	0.0	0.25	36.9	e*

Reticulocytes

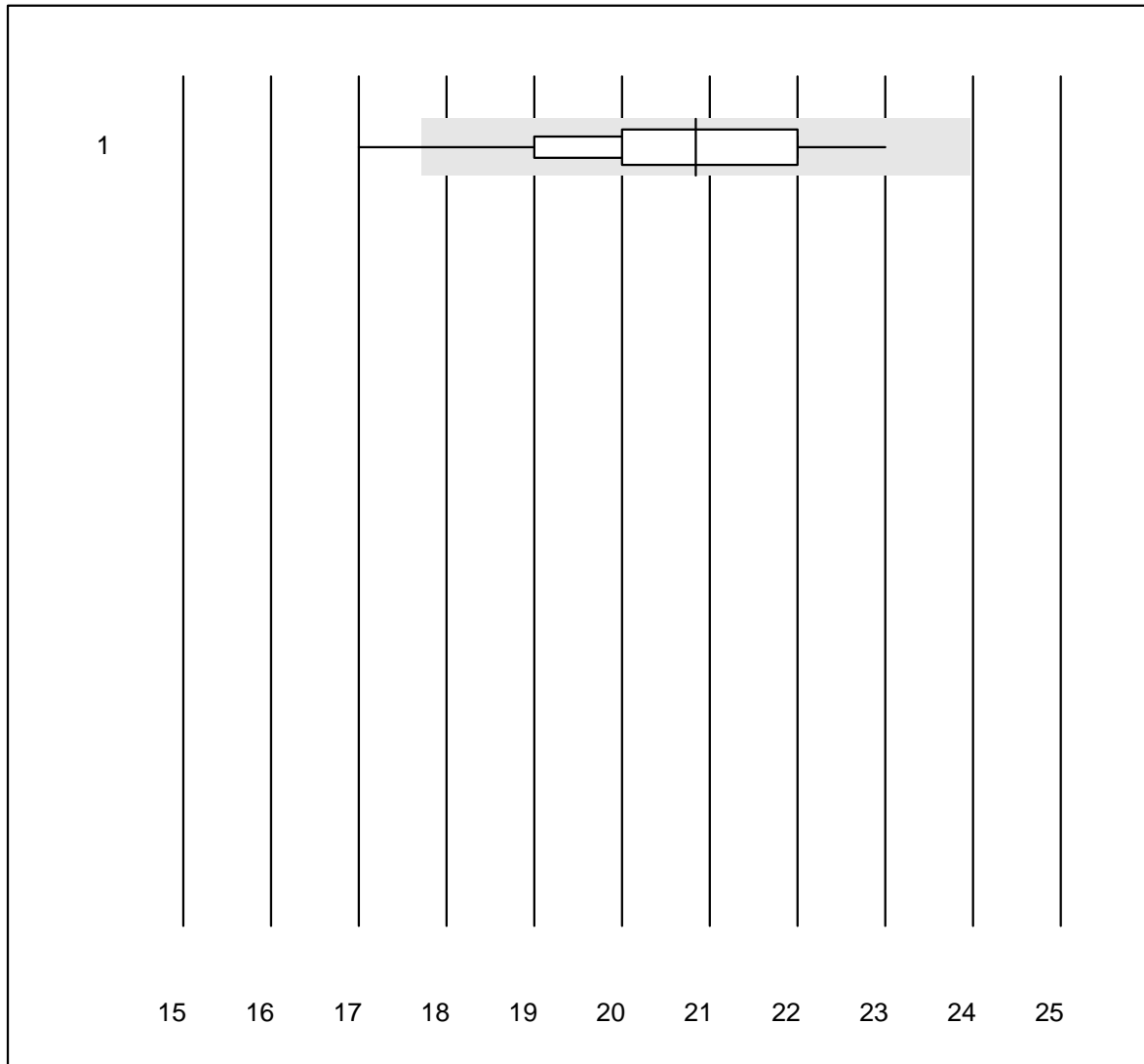


QUALAB tolerance : 25 %

Reticulocytes (G/l)

No. Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1 Sysmex	19	100.0	0.0	0.0	78.2	15.1	a

Hämolyseindex Probe A

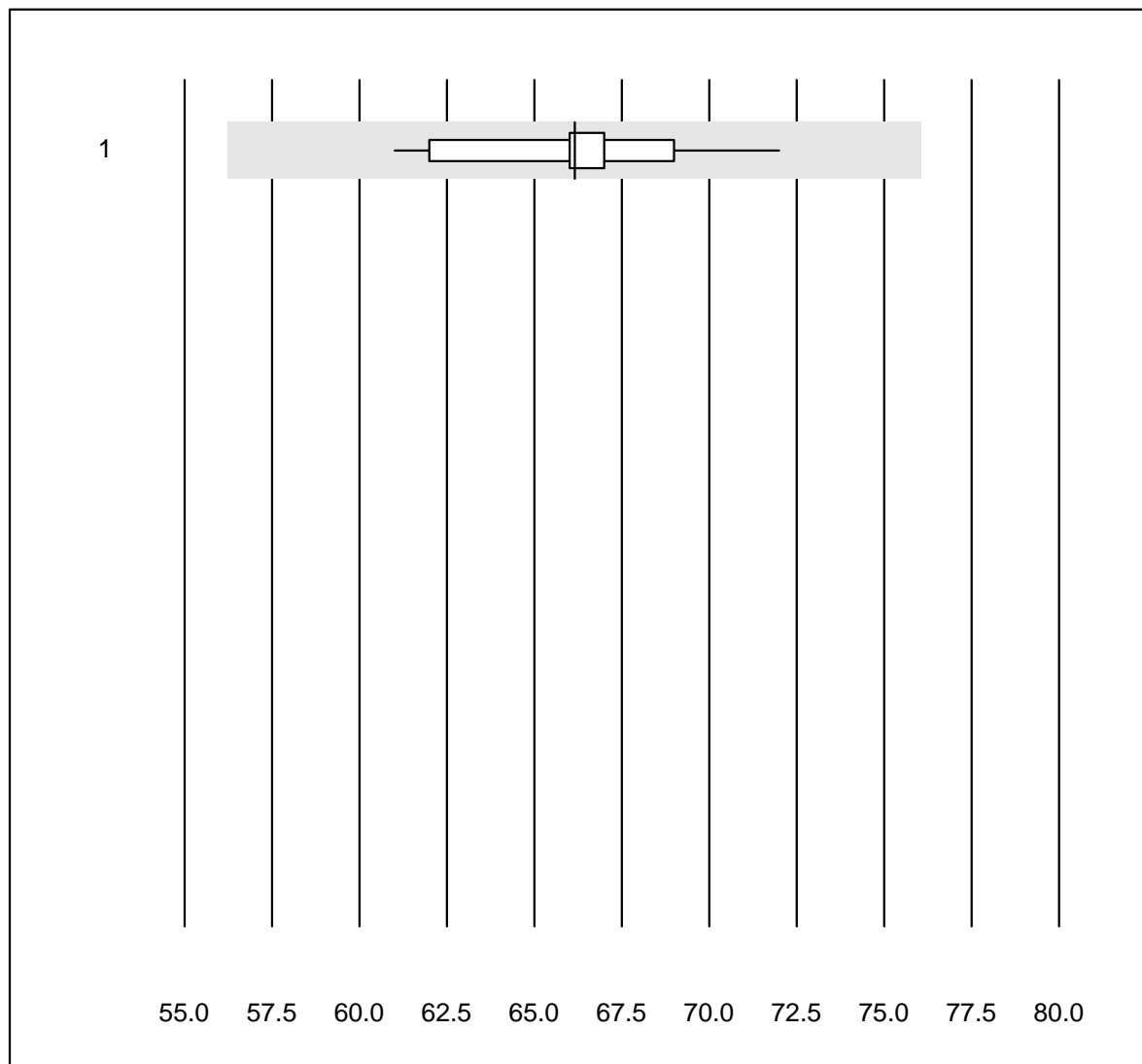


QUALAB tolerance : 15 %

Hämolyseindex Probe A ()

No. Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1 Cobas	14	85.8	7.1	7.1	20.8	7.5	e*

Hämolyseindex Probe B

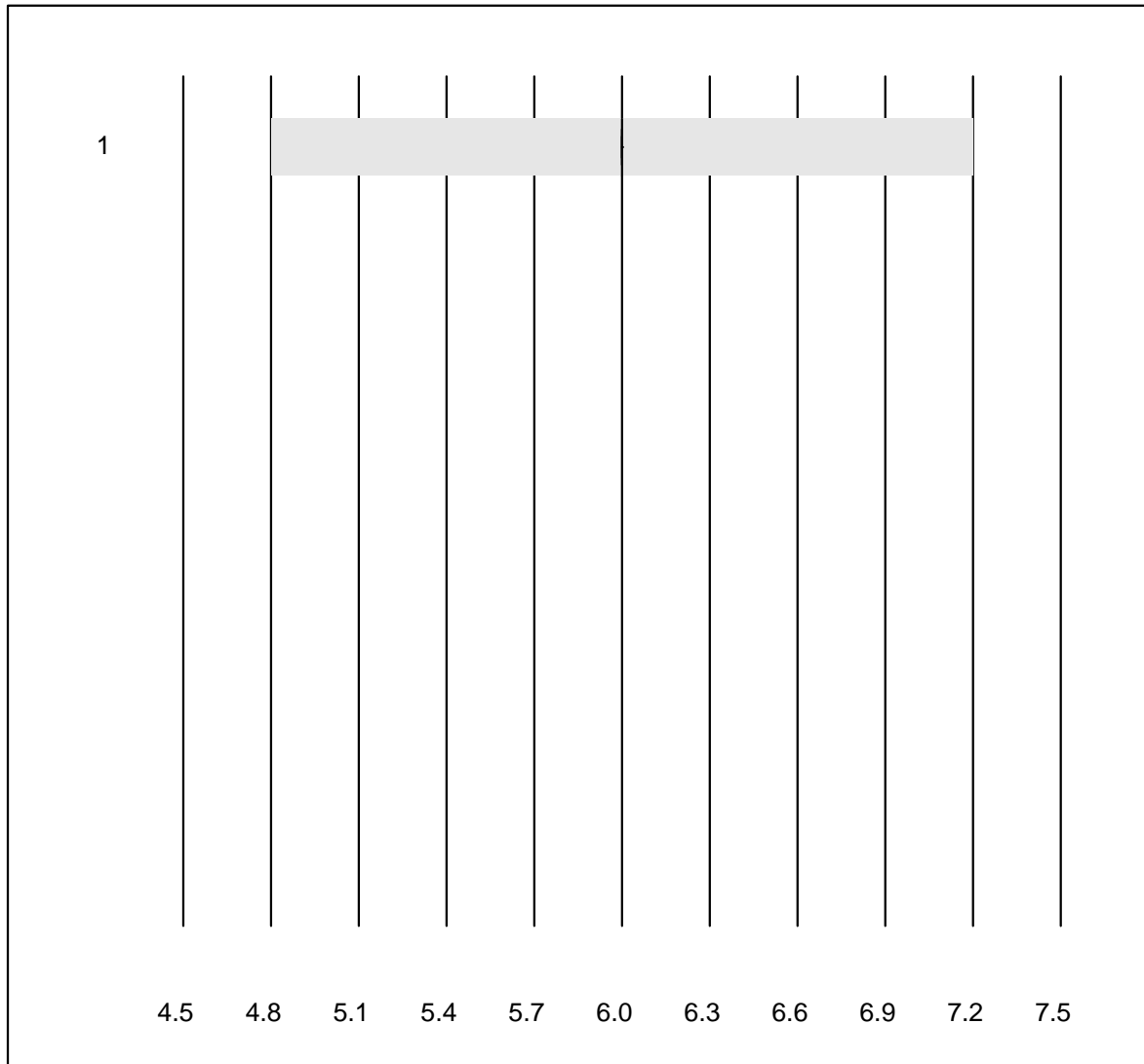


QUALAB tolerance : 15 %

Hämolyseindex Probe B ()

No.	Methode	Total	% good	% insuff.	% outlier	Target value	CV%	Typ
1	Cobas	14	92.9	0.0	7.1	66.2	4.4	e

Erythrocyte sedimentation rate 1h



QUALAB tolerance : 20 % Erythrocyte sedimentation rate 1h (mm/h)

No.	Method	Total	% good	% insuff.	% outlier	Target value	CV%	Type
1	Other methods	4	50.0	0.0	50.0	6	0.0	e