Verein für
Association pour le
Associazione per il

medizinische Qualitätskontrolle
contrôle de qualité médical
controllo di qualità medico

Survey Report

2013 - 3

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

Survey specimens

The homogeneity and stability of all specimens was tested before and during shipment and no irregularities were observed.
The following survey specimens were produced by subcontract specifically for MG:
B1 Strep A Test, B2 Uricult, H1 hematology, H4 parasitic hematology, K14 tumor markers.

Determination of Target Values

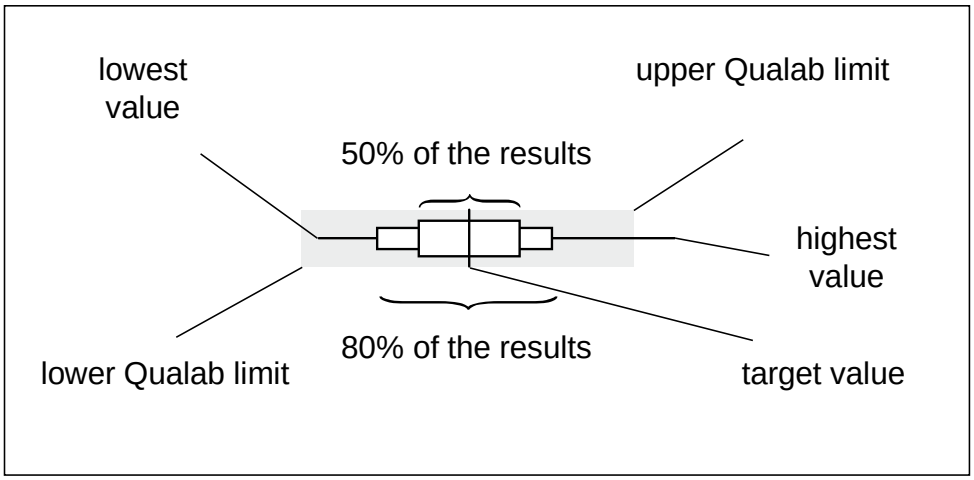
For method groups with more than 10 participants, the target values were determined as "consensus values." We use the average value after correction for runaways.
In smaller method groups with a homogeneous distribution, the median value is used as target value.
If the distribution of the results does not allow determination of a "consensus value," target values are calculated based on data from production or determined by a specialized laboratory.

QUALAB Tolerances

For all mandatory analyzes, the Qualab tolerances are used (www.qualab.ch, external quality control).

Graphs

The results are graphically displayed as follows:



Comparison of Devices

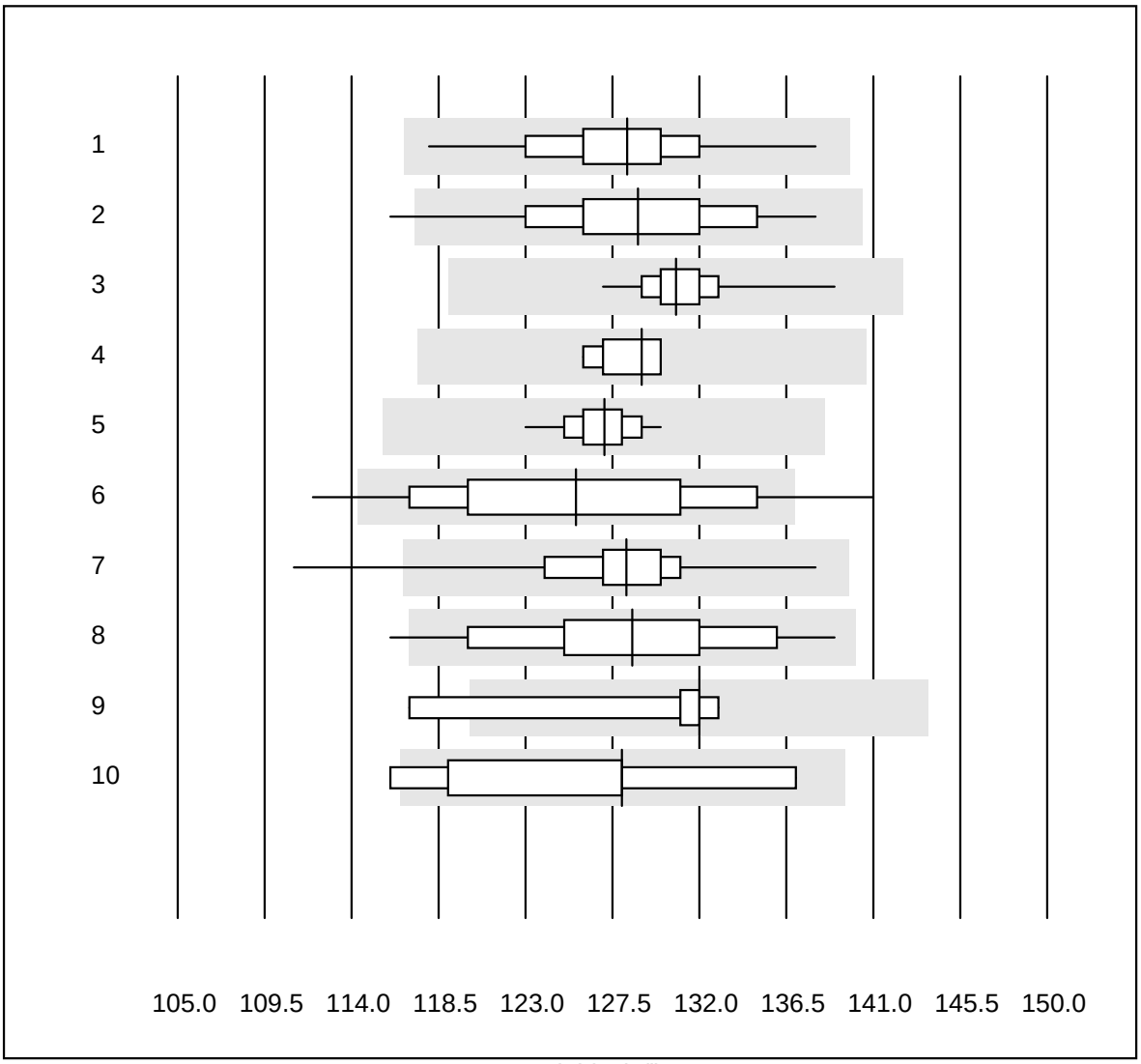
The data in this report allows you to compare the performance of different devices. However, remember to consider the following:

- 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.

Zurich, 09/24/2013

Dr. R. Fried
Survey Director

Hemoglobin

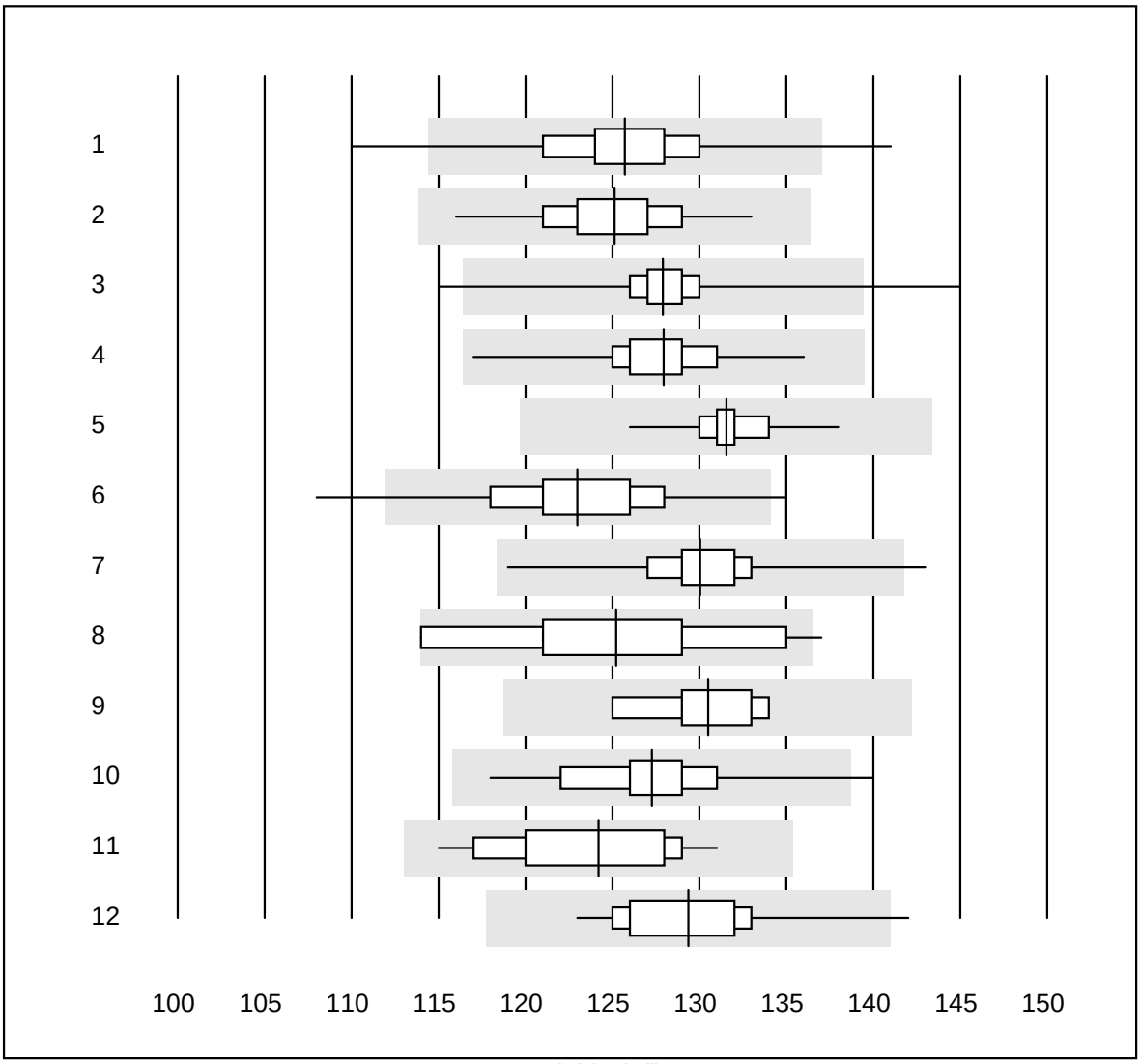


QUALAB tolerance : 9 %

Hemoglobin (g/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Automat	62	100.0	0.0	0.0	128.3	2.8
2	Cyanmethemoglobin	77	97.4	1.3	1.3	128.8	3.5
3	Sysmex XT/XE/XS	38	97.4	0.0	2.6	130.8	1.5
4	Sysmex K1000	7	85.7	0.0	14.3	129.0	1.3
5	ABX Pentra	13	100.0	0.0	0.0	127.1	1.5
6	Reflotron	109	82.6	11.0	6.4	125.6	5.7
7	Hemocue	313	94.8	1.0	4.2	128.2	2.4
8	Dr. Lange	31	87.1	3.2	9.7	128.5	4.6
9	Hemocontrol	9	88.9	11.1	0.0	132.0	3.9
10	Eurolyser Smart	5	80.0	20.0	0.0	128.0	6.6

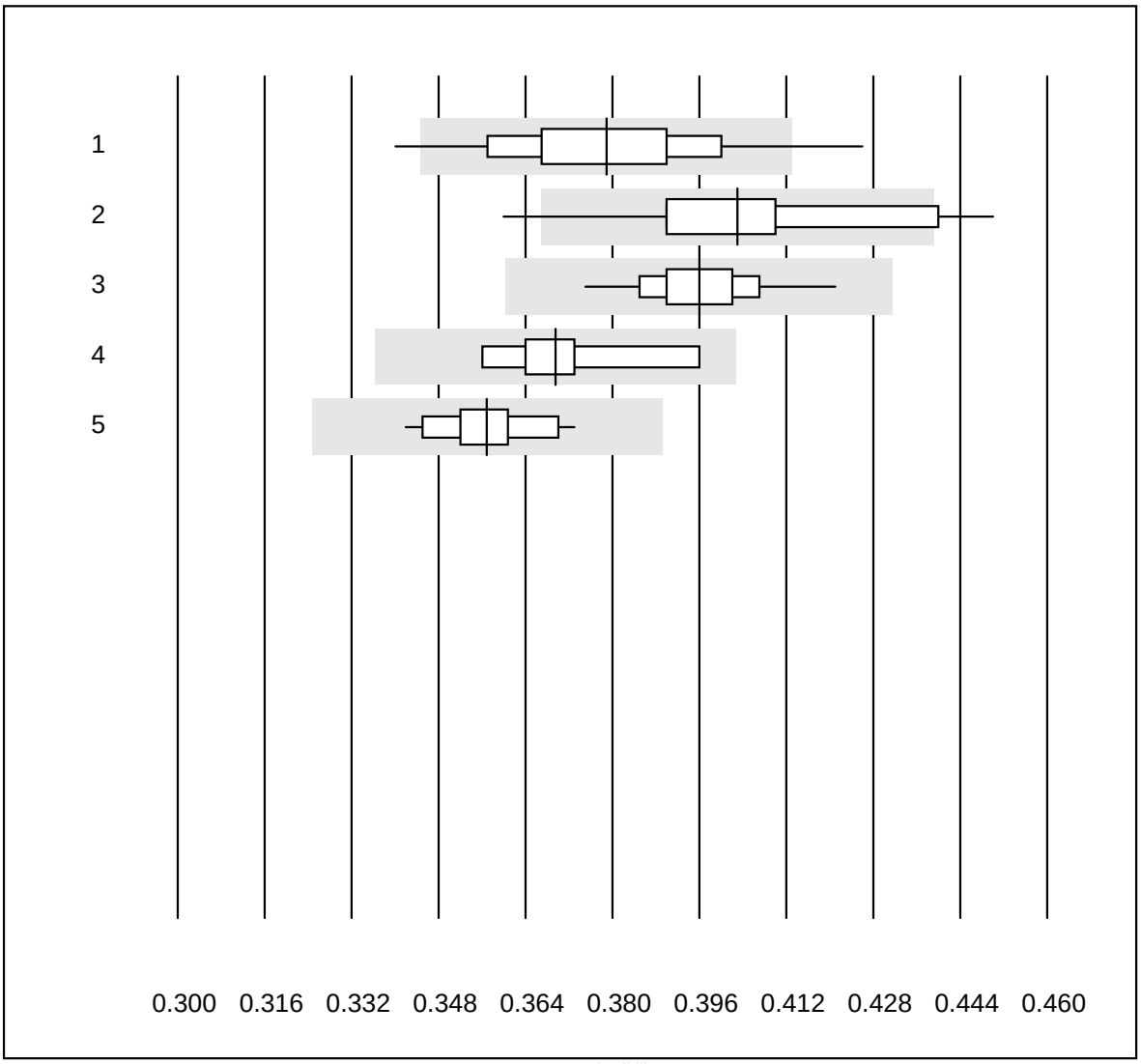
Hemoglobin



QUALAB tolerance : 9 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Abx Micros	1040	96.7	1.1	2.2	126	2.9
2	Microsemi	49	100.0	0.0	0.0	125	2.5
3	Sysmex KX21	490	96.7	0.4	2.9	128	1.7
4	Sysmex PocH - 100i	213	99.1	0.0	0.9	128	2.0
5	Sysmex XP 300	43	95.3	0.0	4.7	132	1.5
6	Mythic	268	95.5	1.5	3.0	123	3.2
7	Swelab	62	93.6	1.6	4.8	130	2.7
8	MS4	10	90.0	10.0	0.0	125	5.9
9	Abacus Junior	14	100.0	0.0	0.0	131	2.4
10	Medonic	22	95.5	4.5	0.0	127	3.4
11	Nihon Kohden Celltac	23	95.7	0.0	4.3	124	3.7
12	Samsung HC10	14	85.8	7.1	7.1	129	3.8

Hematocrit

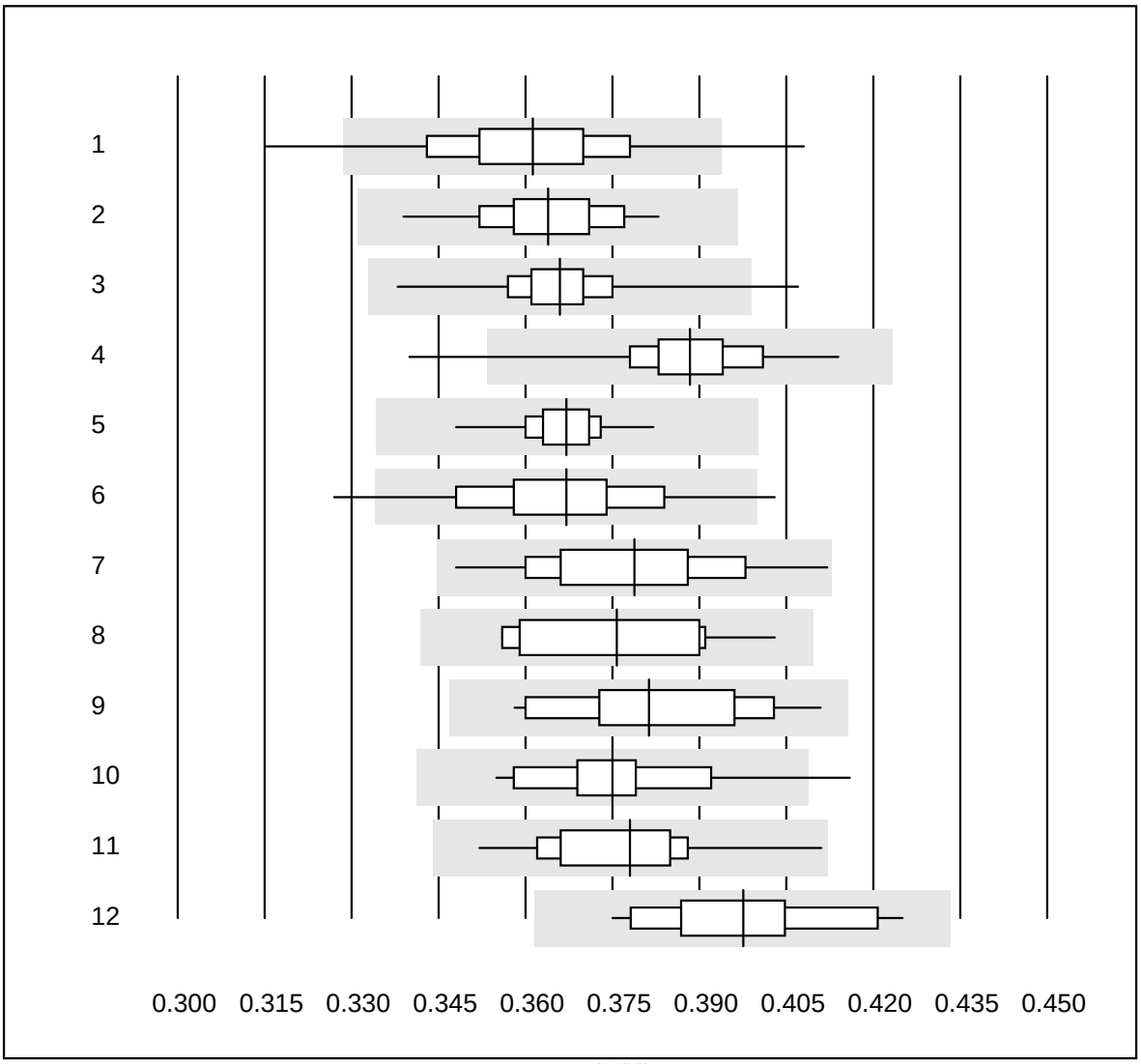


QUALAB tolerance : 9 %

Hematocrit (l/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Automat	52	90.4	5.8	3.8	0.38	4.7
2	Centrifuge	21	81.0	19.0	0.0	0.40	5.3
3	Sysmex XT/XE/XS	37	97.3	0.0	2.7	0.40	2.6
4	Sysmex K1000	7	85.7	0.0	14.3	0.37	3.7
5	ABX Pentra	13	100.0	0.0	0.0	0.36	2.6

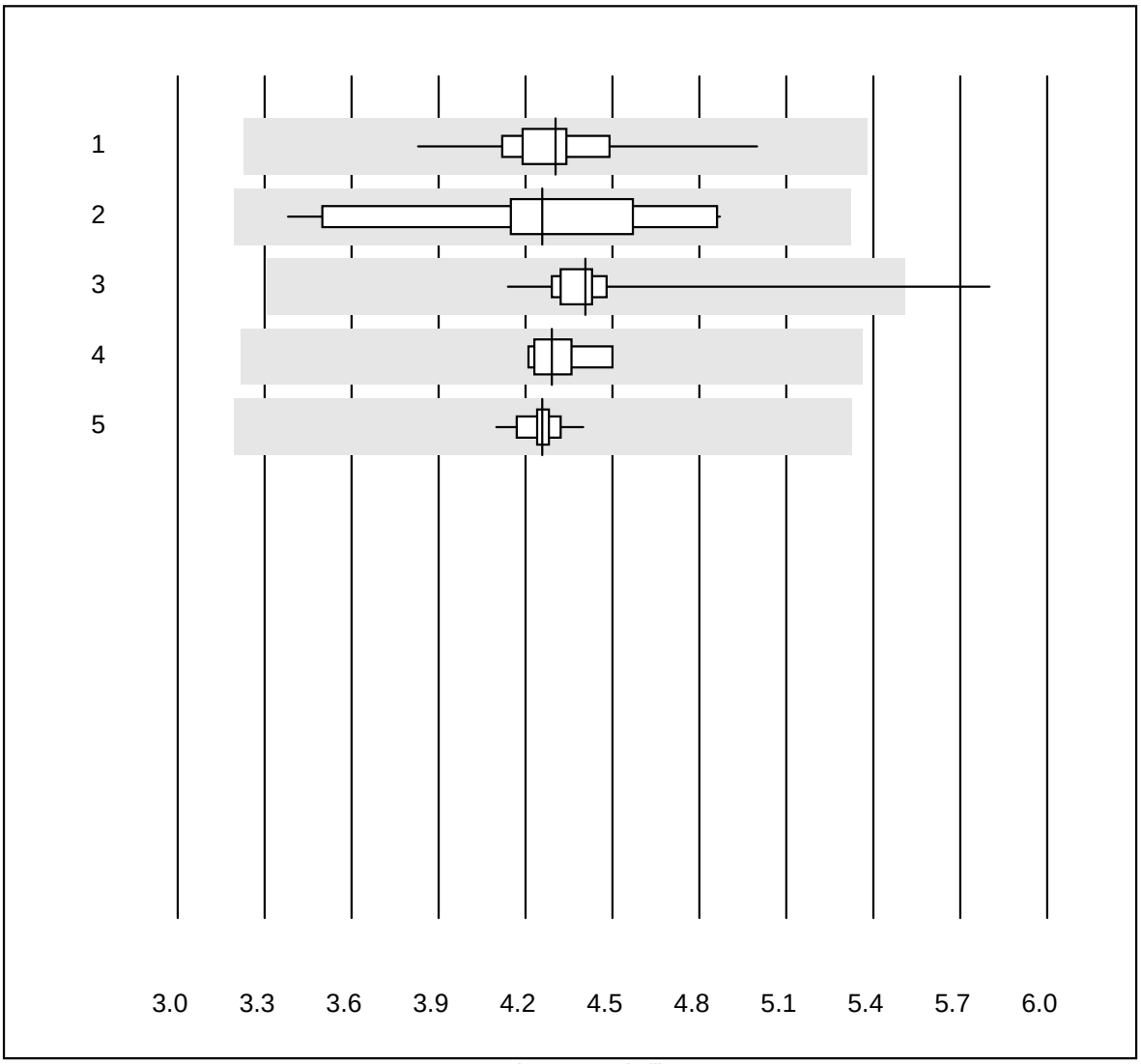
Hematocrit



QUALAB tolerance : 9 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Abx Micros	1040	95.6	2.2	2.2	0.36	3.8
2	Microsemi	48	100.0	0.0	0.0	0.36	2.6
3	Sysmex KX21	489	97.4	0.4	2.2	0.37	2.1
4	Sysmex PocH - 100i	212	98.6	0.9	0.5	0.39	2.6
5	Sysmex XP 300	43	93.0	0.0	7.0	0.37	1.7
6	Mythic	268	94.4	3.7	1.9	0.37	3.9
7	Swelab	62	95.2	0.0	4.8	0.38	4.0
8	MS4	10	100.0	0.0	0.0	0.38	4.2
9	Abacus Junior	14	92.9	0.0	7.1	0.38	4.4
10	Medonic	22	95.5	4.5	0.0	0.38	3.7
11	Nihon Kohden Celltac	23	95.7	0.0	4.3	0.38	3.5
12	Samsung HC10	14	92.9	0.0	7.1	0.40	3.9

Erythrocytes

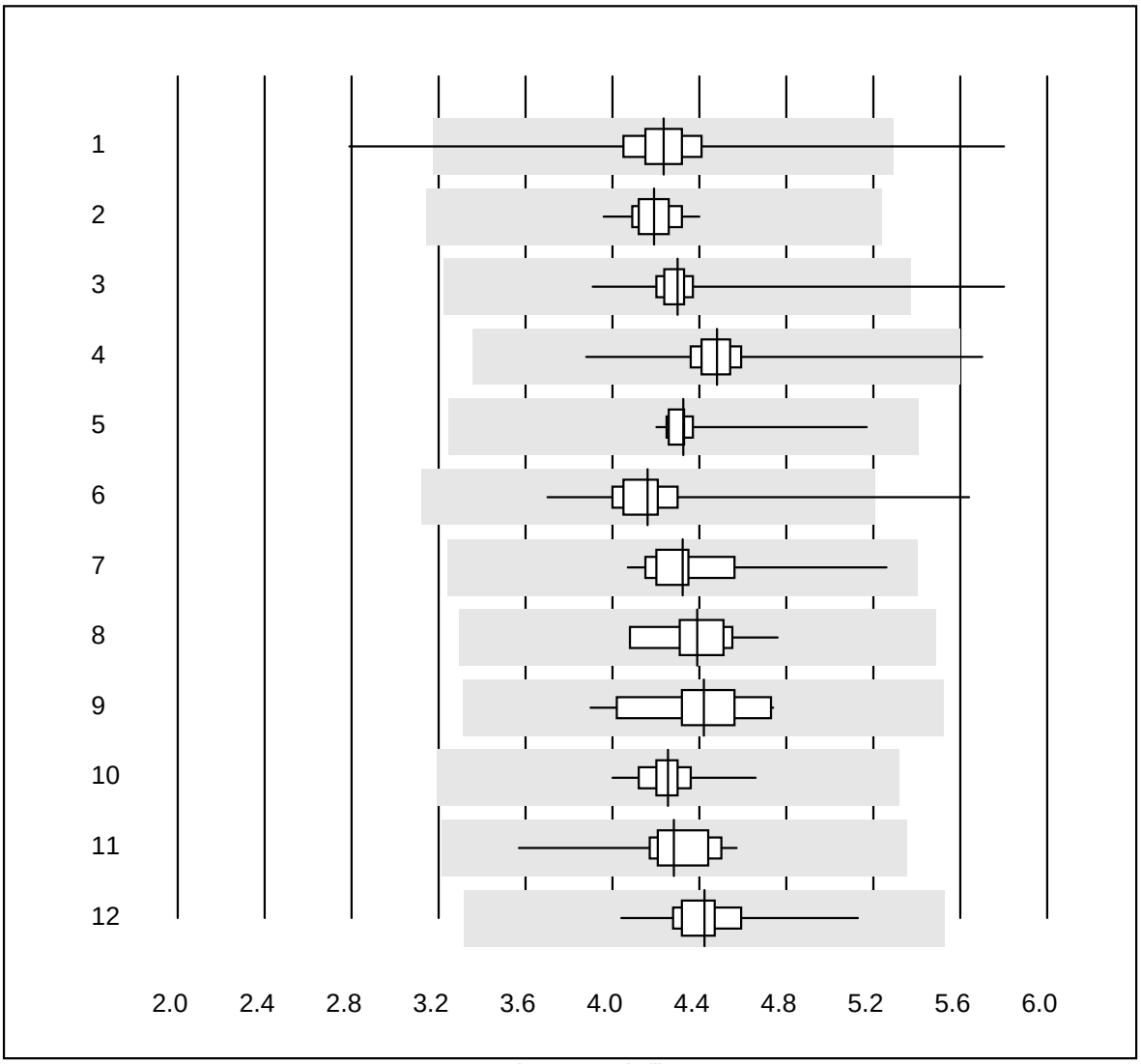


QUALAB tolerance : 25 %

Erythrocytes (T/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Automat	48	100.0	0.0	0.0	4.30	4.2
2	Microscopic	14	100.0	0.0	0.0	4.26	10.5
3	Sysmex XT/XE/XS	38	97.4	2.6	0.0	4.41	5.6
4	Sysmex K1000	7	85.7	0.0	14.3	4.29	2.5
5	ABX Pentra	13	100.0	0.0	0.0	4.26	1.7

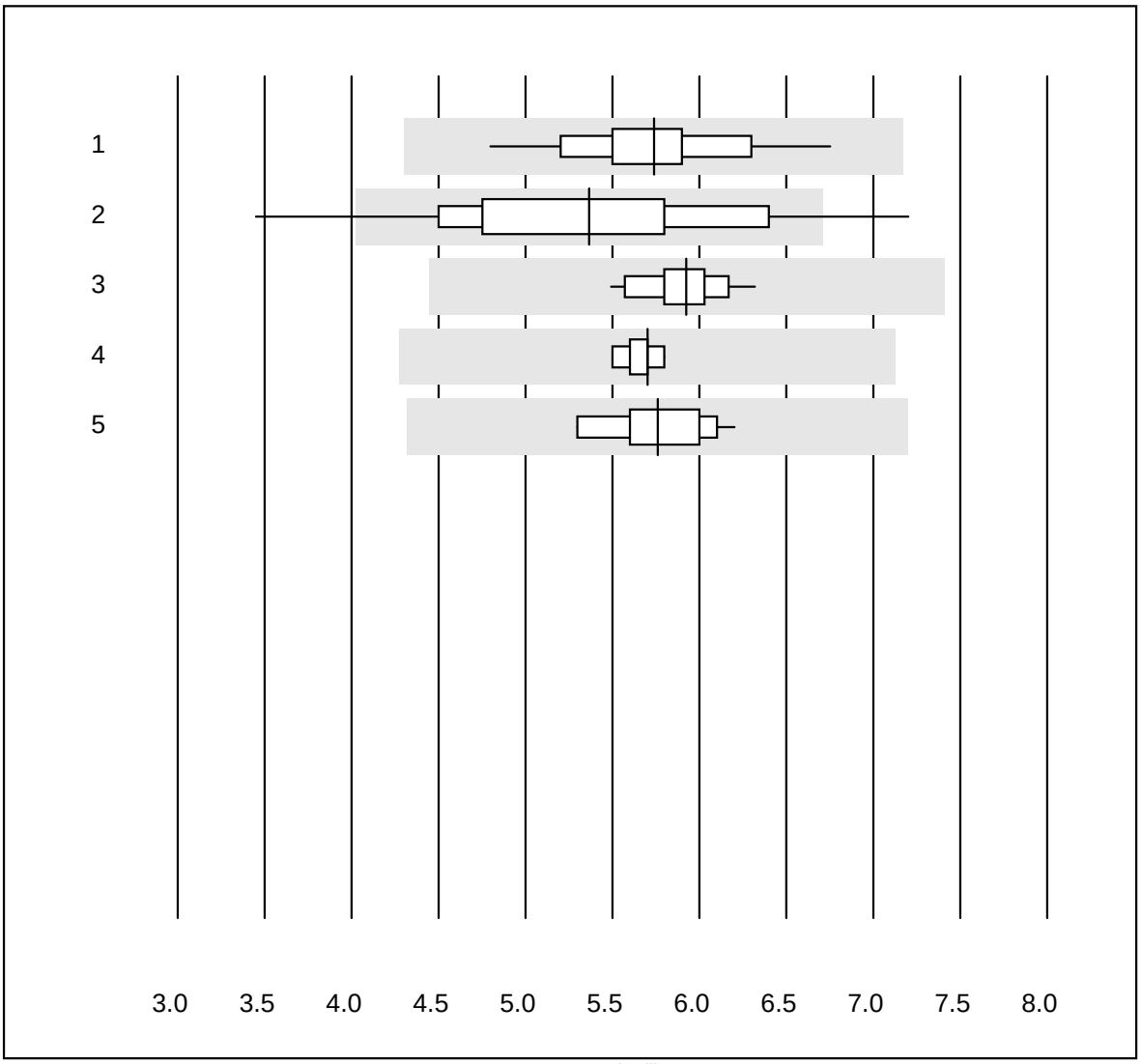
Erythrocytes



QUALAB tolerance : 25 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Abx Micros	1040	98.6	0.7	0.7	4.2	4.6
2	Microsemi	49	100.0	0.0	0.0	4.2	2.2
3	Sysmex KX21	490	98.4	0.4	1.2	4.3	3.2
4	Sysmex PocH - 100i	213	99.5	0.5	0.0	4.5	3.3
5	Sysmex XP 300	43	97.7	0.0	2.3	4.3	3.7
6	Mythic	268	97.4	1.5	1.1	4.2	5.3
7	Swelab	62	100.0	0.0	0.0	4.3	5.0
8	MS4	10	100.0	0.0	0.0	4.4	4.2
9	Abacus Junior	14	100.0	0.0	0.0	4.4	5.5
10	Medonic	22	100.0	0.0	0.0	4.3	3.0
11	Samsung HC10	14	100.0	0.0	0.0	4.3	5.6
12	Nihon Kohden Celltac	23	95.7	0.0	4.3	4.4	4.6

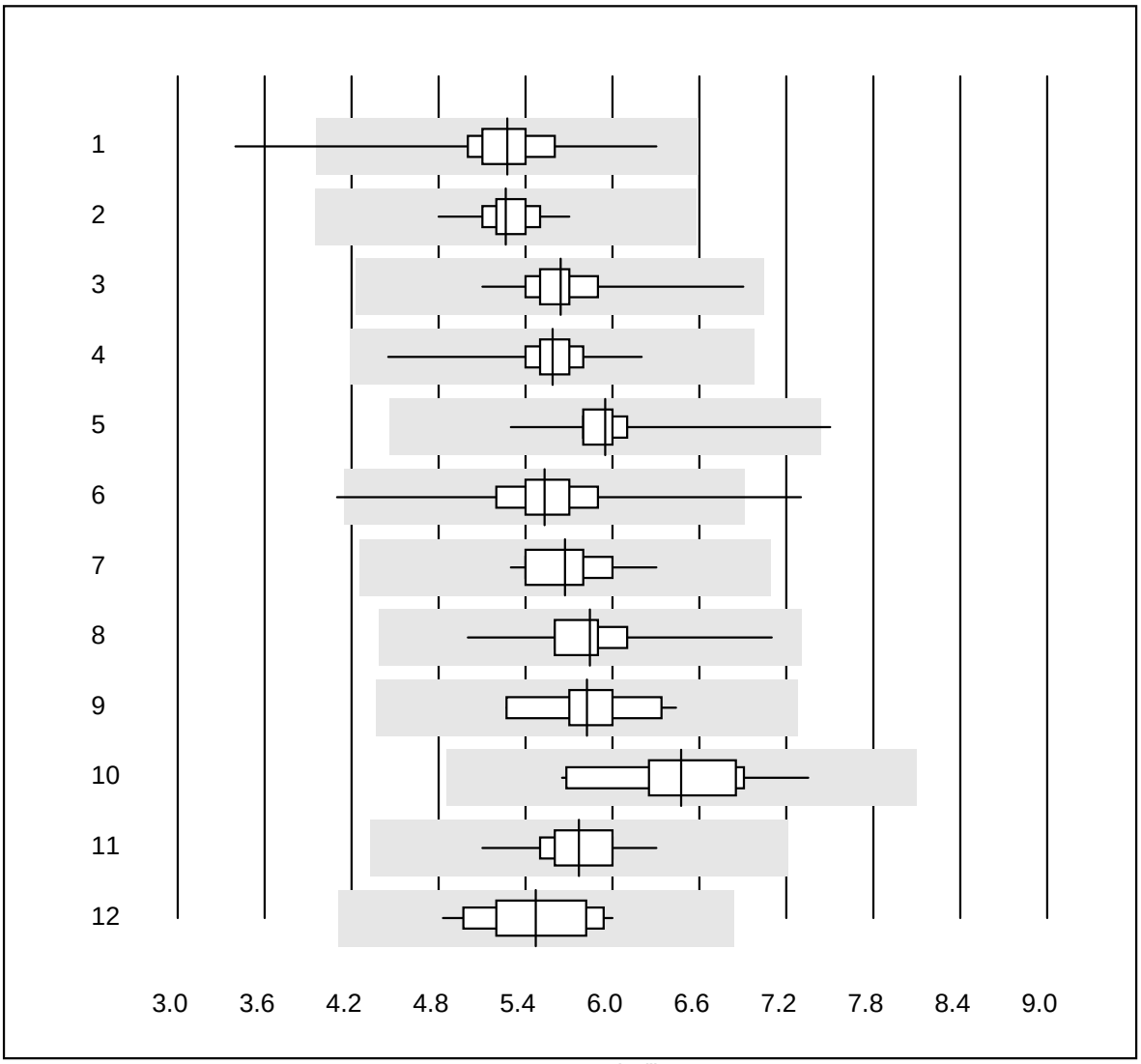
Leucocytes



QUALAB tolerance : 25 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Automat	44	100.0	0.0	0.0	5.74	7.3
2	Microscopic	101	88.1	6.9	5.0	5.37	14.1
3	Sysmex XT/XE/XS	38	100.0	0.0	0.0	5.93	3.4
4	Sysmex K1000	7	85.7	0.0	14.3	5.70	1.8
5	ABX Pentra	13	100.0	0.0	0.0	5.76	5.1

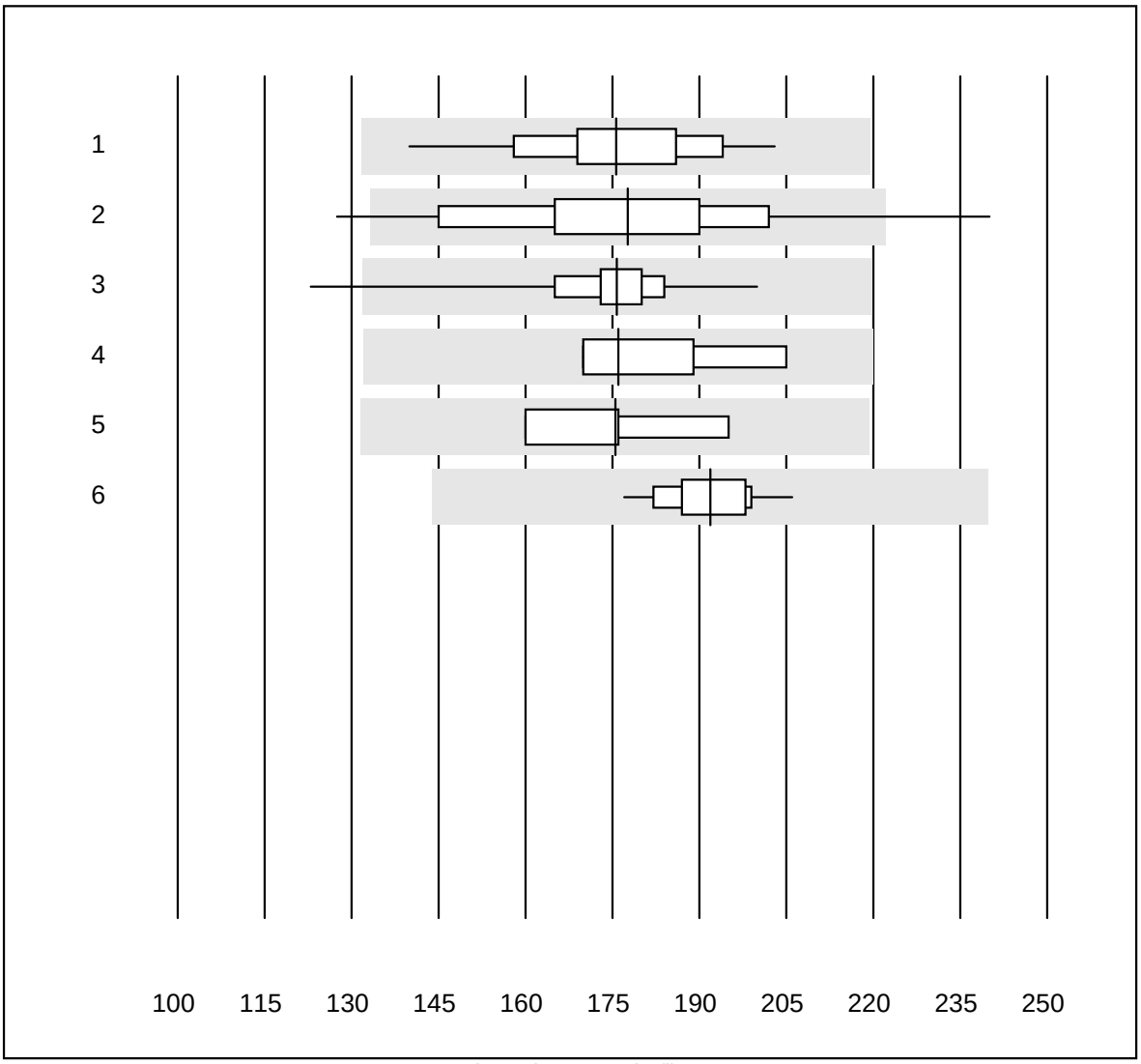
Leucocytes



QUALAB tolerance : 25 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Abx Micros	1040	99.4	0.2	0.4	5.27	4.9
2	Microsemi	49	100.0	0.0	0.0	5.26	3.2
3	Sysmex KX21	490	99.6	0.0	0.4	5.64	3.7
4	Sysmex PocH - 100i	213	100.0	0.0	0.0	5.59	3.6
5	Sysmex XP 300	43	97.7	2.3	0.0	5.95	4.8
6	Mythic	266	98.8	0.8	0.4	5.53	5.1
7	Nihon Kohden Celltac	23	100.0	0.0	0.0	5.67	4.4
8	Swelab	62	100.0	0.0	0.0	5.85	6.5
9	MS4	10	100.0	0.0	0.0	5.83	6.4
10	Abacus Junior	14	92.9	0.0	7.1	6.48	8.0
11	Medonic	22	100.0	0.0	0.0	5.77	4.5
12	Samsung HC10	14	100.0	0.0	0.0	5.47	6.8

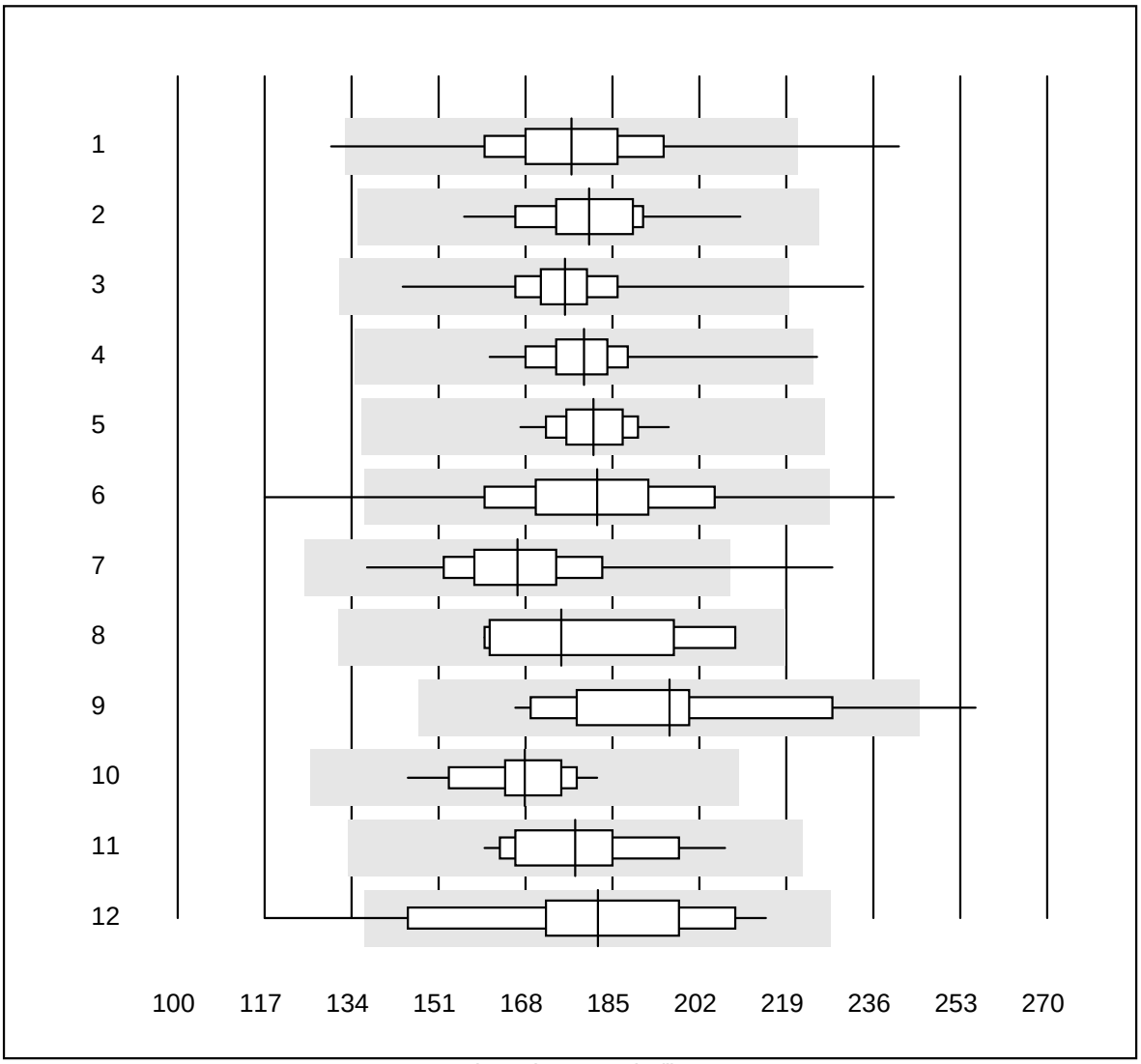
Thrombocytes



QUALAB tolerance : 25 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Automat	40	100.0	0.0	0.0	175.6	7.9
2	Microscopic	66	92.5	3.0	4.5	177.7	12.3
3	Sysmex XT/XE/XS	38	97.4	2.6	0.0	175.8	6.4
4	Sysmex K1000	7	100.0	0.0	0.0	176.0	7.0
5	Advia 120	4	100.0	0.0	0.0	175.5	8.1
6	ABX Pentra	13	100.0	0.0	0.0	191.8	4.1

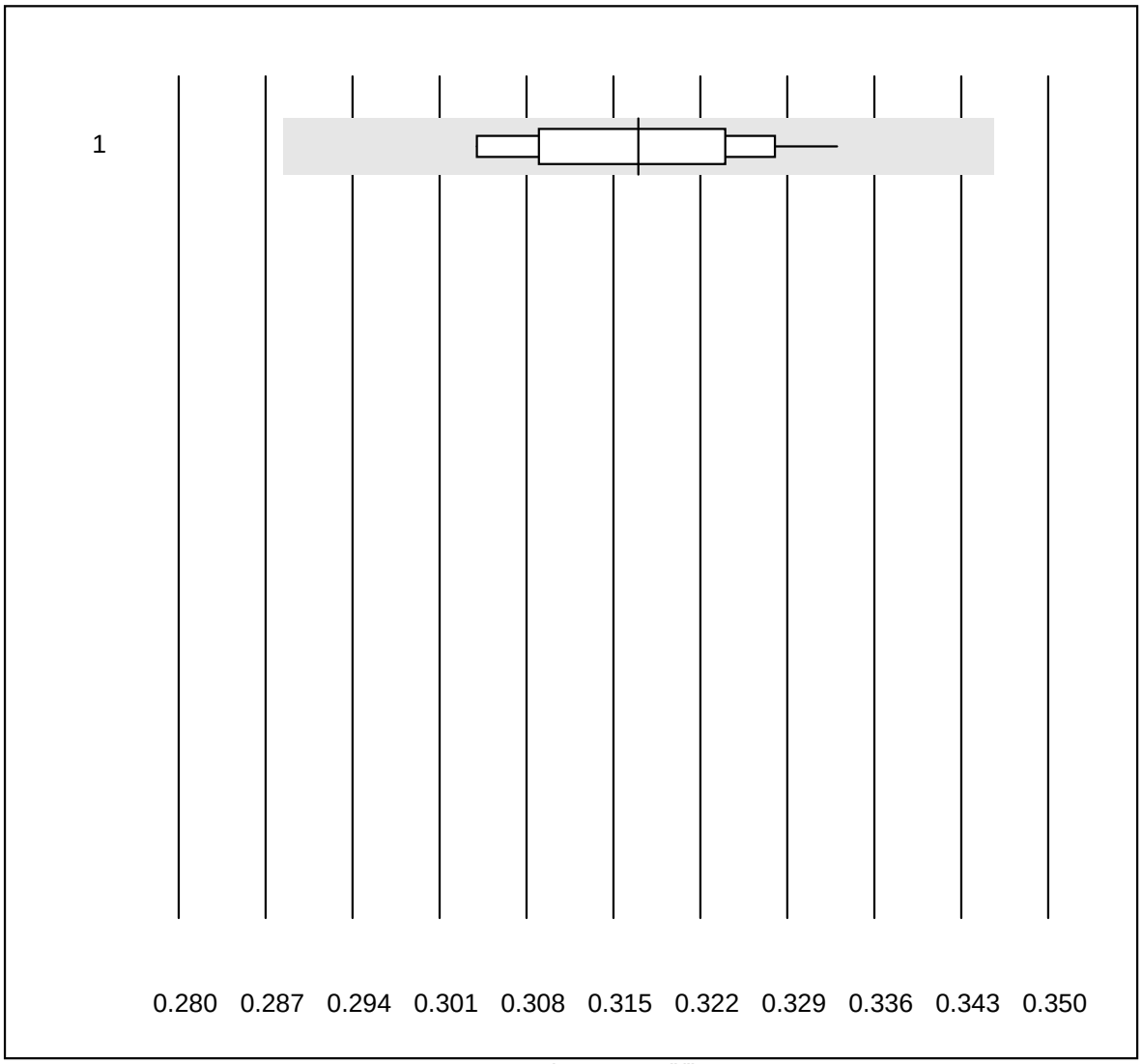
Thrombocytes



QUALAB tolerance : 25 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Abx Micros	1040	97.4	1.3	1.3	177.0	8.7
2	Microsemi	49	100.0	0.0	0.0	180.4	5.8
3	Sysmex KX21	490	99.6	0.2	0.2	175.7	4.9
4	Sysmex PocH - 100i	210	99.5	0.5	0.0	179.4	4.7
5	Sysmex XP 300	43	97.7	0.0	2.3	181.3	4.1
6	Mythic	268	96.7	2.2	1.1	182.0	10.1
7	Swelab	62	93.5	6.5	0.0	166.4	10.7
8	MS4	10	70.0	0.0	30.0	175.0	9.9
9	Abacus Junior	14	85.8	7.1	7.1	196.2	12.9
10	Medonic	22	100.0	0.0	0.0	167.8	5.8
11	Nihon Kohden Celltac	23	91.3	0.0	8.7	177.7	7.6
12	Samsung HC10	14	92.9	7.1	0.0	182.1	14.6

Hematocrite - QBC

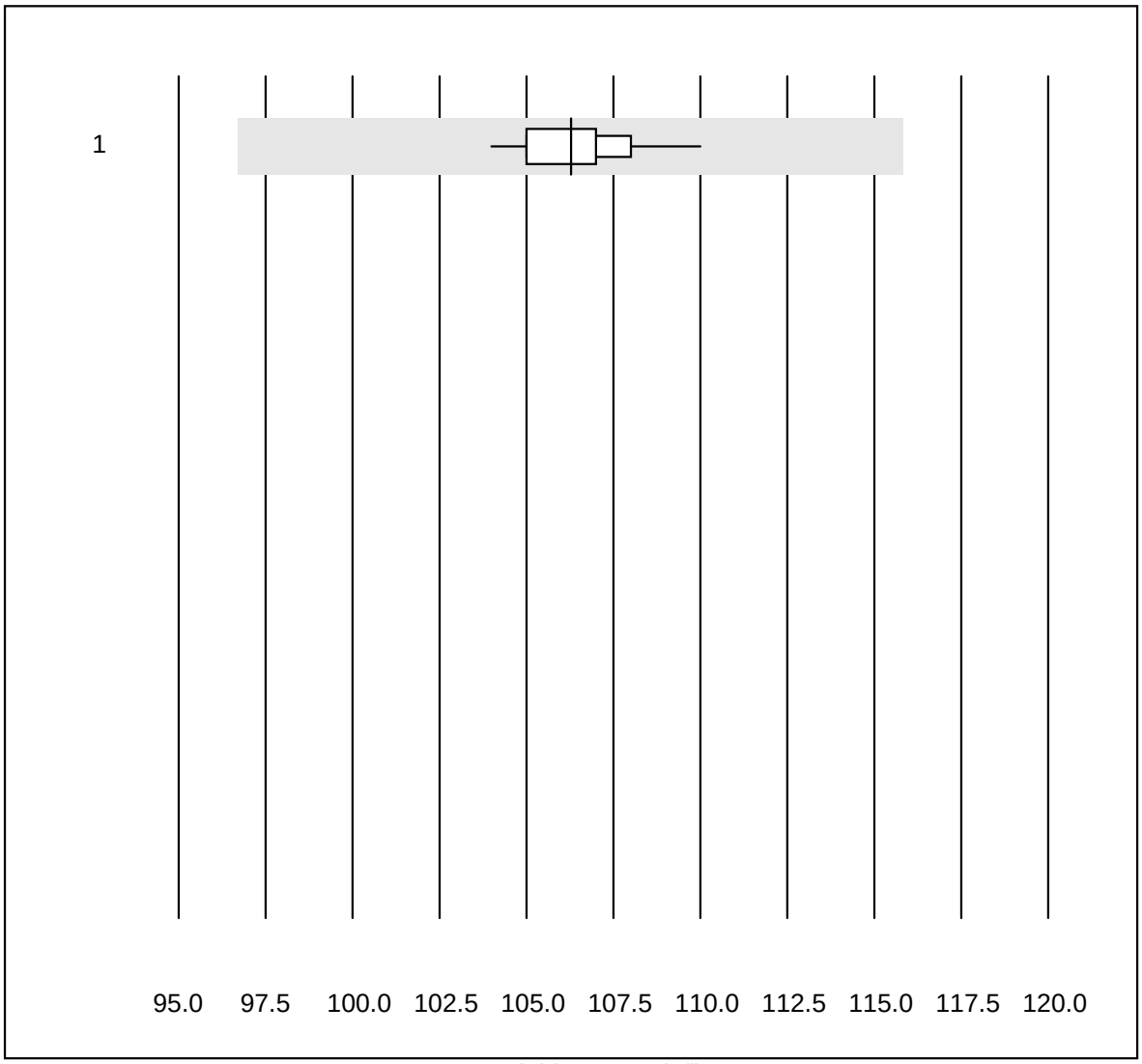


QUALAB tolerance : 9 %

Hematocrite - QBC (l/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	QBC	10	100.0	0.0	0.0	0.32	3.0

Hemoglobin - QBC

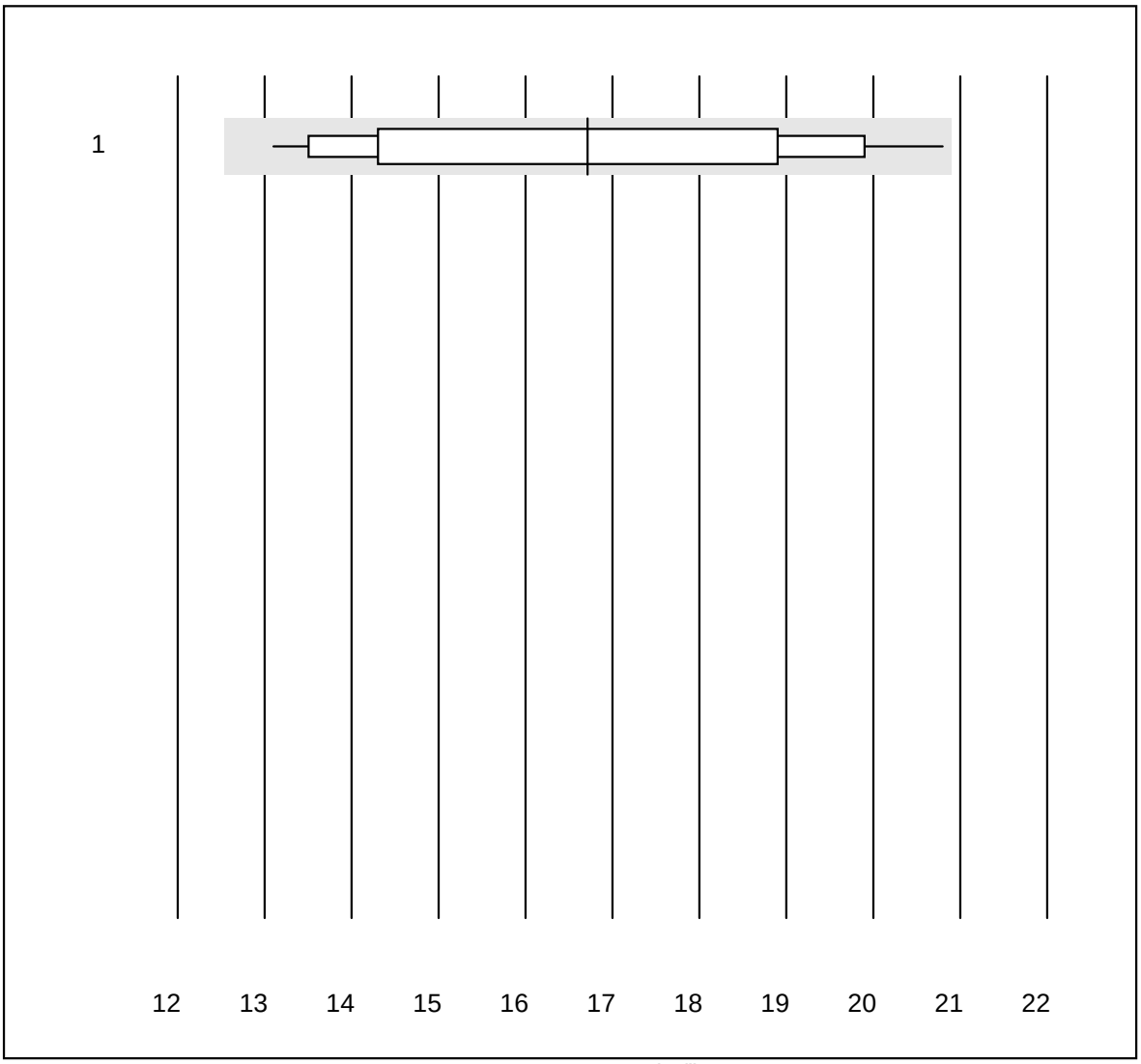


QUALAB tolerance : 9 %

Hemoglobin - QBC (g/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	QBC	11	100.0	0.0	0.0	106.3	1.5

Leucocytes - QBC

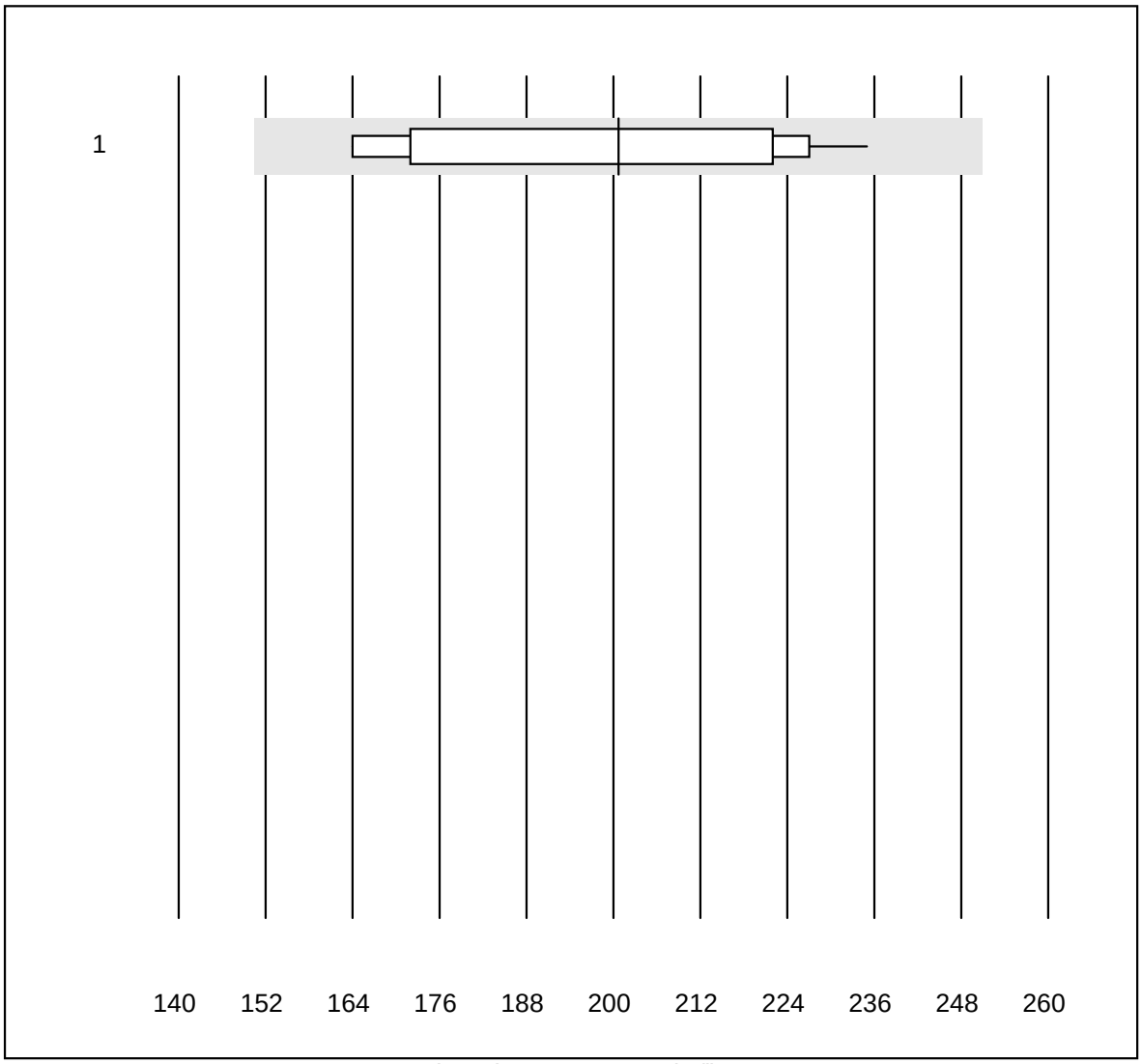


QUALAB tolerance : 25 %

Leucocytes - QBC (G/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	QBC	11	100.0	0.0	0.0	16.72	15.4

Thrombocytes - QBC

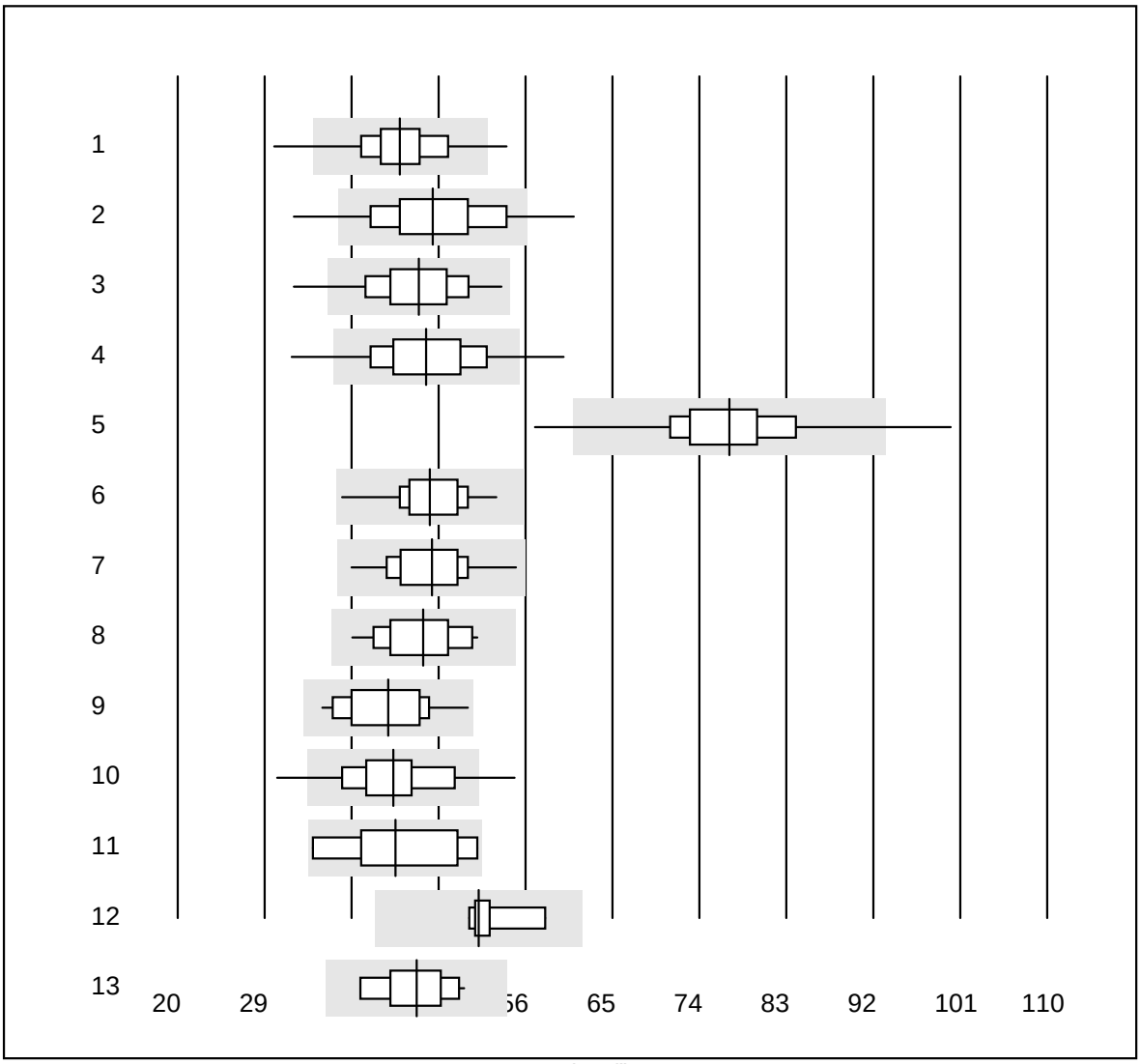


QUALAB tolerance : 25 %

Thrombocytes - QBC (G/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	QBC	10	100.0	0.0	0.0	200.7	13.6

CRP

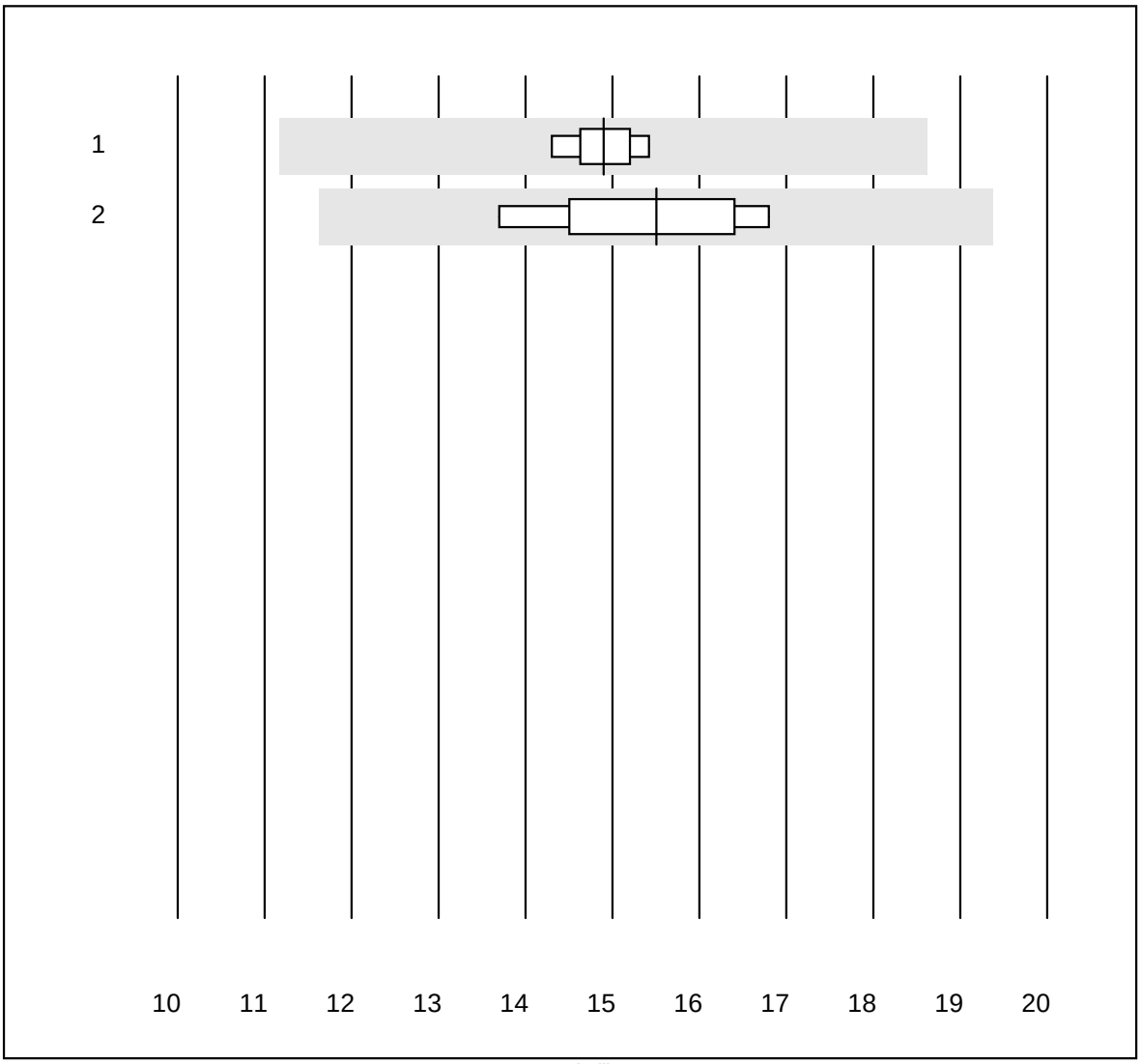


QUALAB tolerance : 21 %

CRP (mg/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Afinion	949	98.2	1.1	0.7	43.0	8.0
2	NycoCard SingleTest-	658	85.1	5.3	9.6	46.4	11.3
3	Abx Micros	231	90.9	1.3	7.8	45.0	9.3
4	ABX Micros CRP200	346	88.8	7.2	4.0	45.8	11.1
5	QuikRead (Vollblut)	235	96.6	1.7	1.7	77.1	7.5
6	Quick Read go	43	97.7	0.0	2.3	46.1	7.4
7	Turbidimetry	35	100.0	0.0	0.0	46.3	8.0
8	Cobas	13	100.0	0.0	0.0	45.4	9.1
9	Fuji Dri-Chem	22	95.5	0.0	4.5	41.8	9.8
10	Eurolyser Smart	102	77.4	5.9	16.7	42.3	10.9
11	AQT 90 FLEX	7	100.0	0.0	0.0	42.5	13.4
12	Spotchem D-Concept	5	100.0	0.0	0.0	51.1	6.1
13	Spotchem SI-3510	10	100.0	0.0	0.0	44.7	8.1

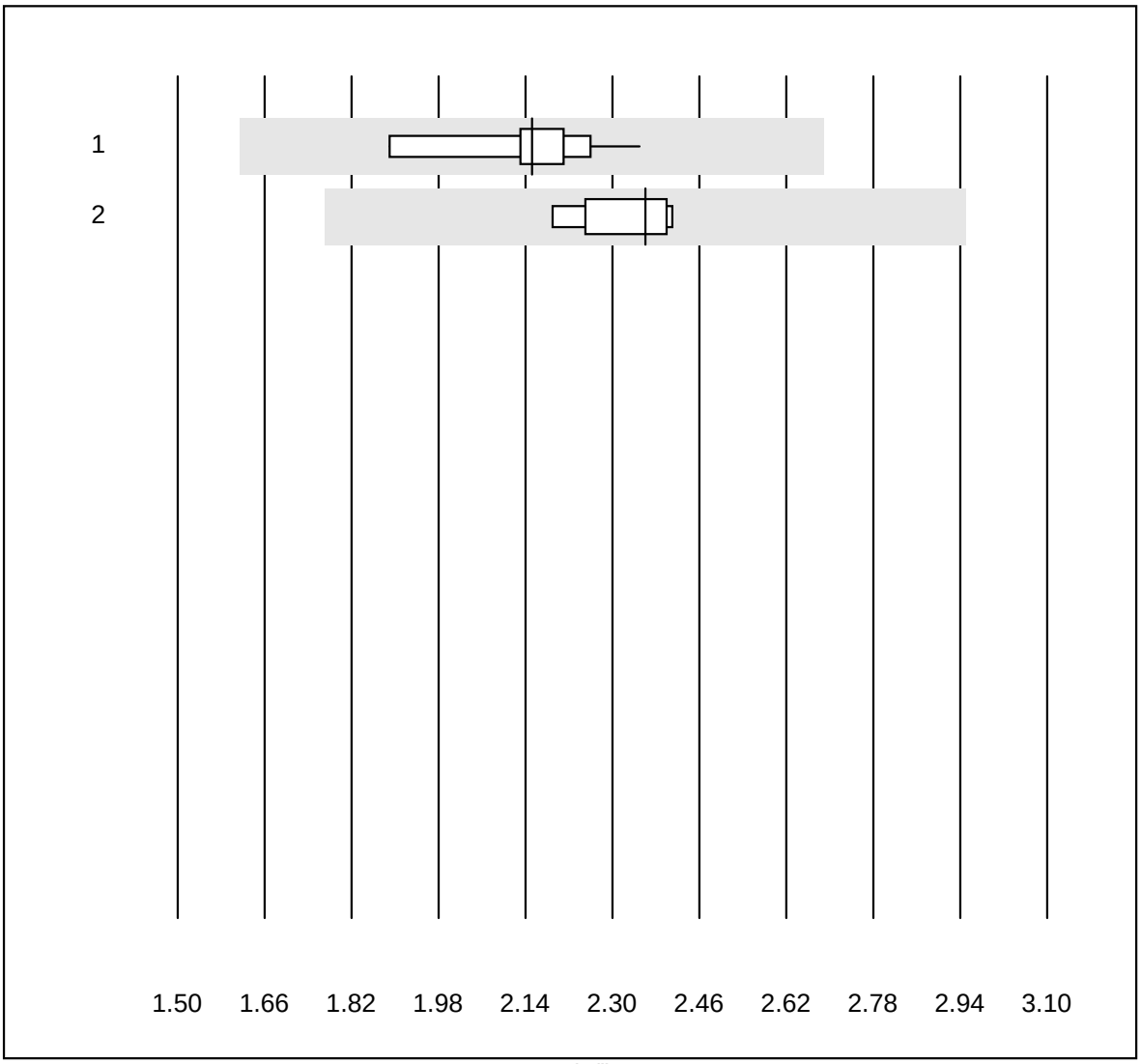
IgG



QUALAB tolerance : 25 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Turbidimetry	9	100.0	0.0	0.0	14.9	2.6
2	Nephelometry	7	100.0	0.0	0.0	15.5	6.9

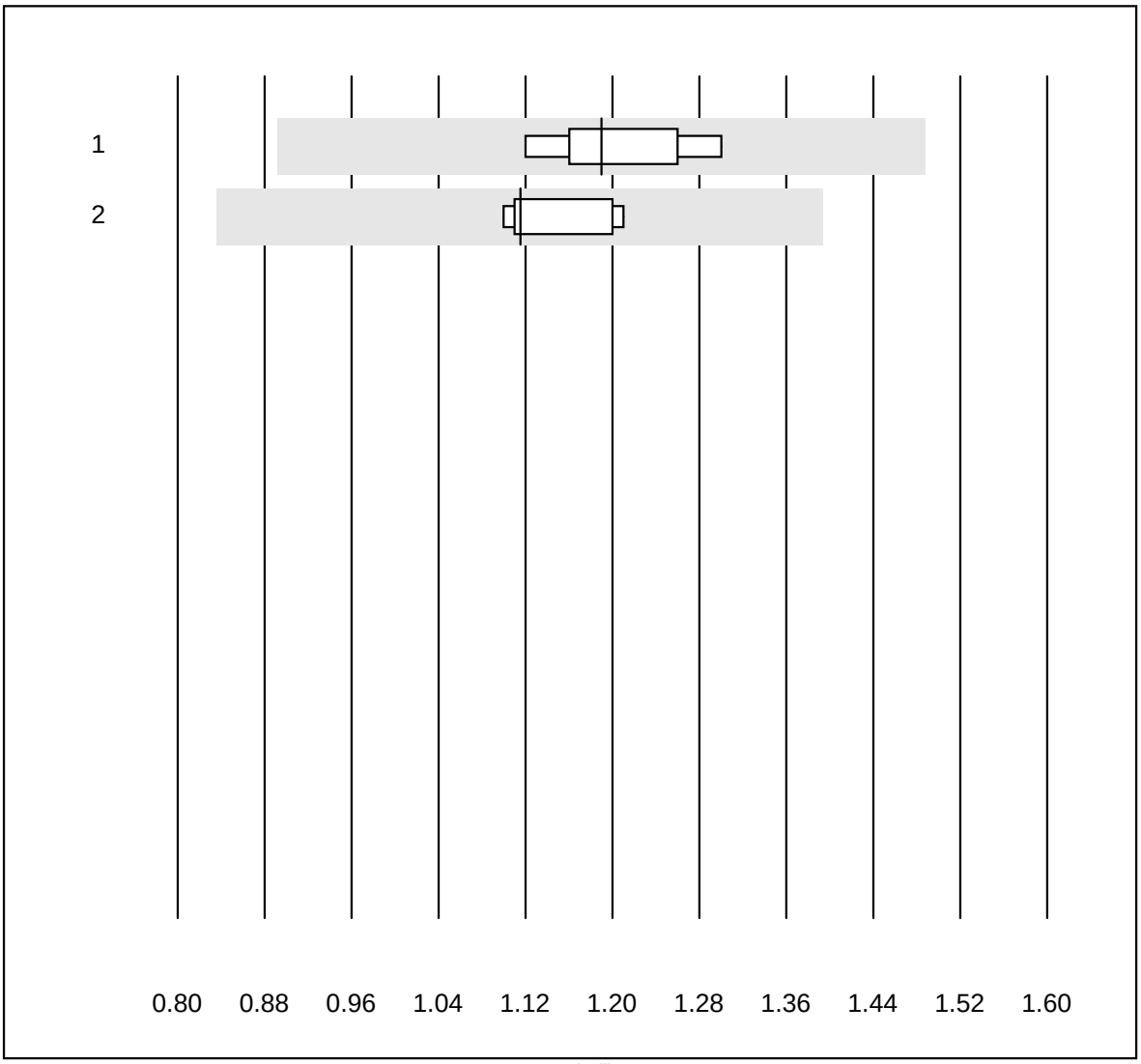
IgA



QUALAB tolerance : 25 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Turbidimetry	10	100.0	0.0	0.0	2.2	6.4
2	Nephelometry	7	100.0	0.0	0.0	2.4	3.6

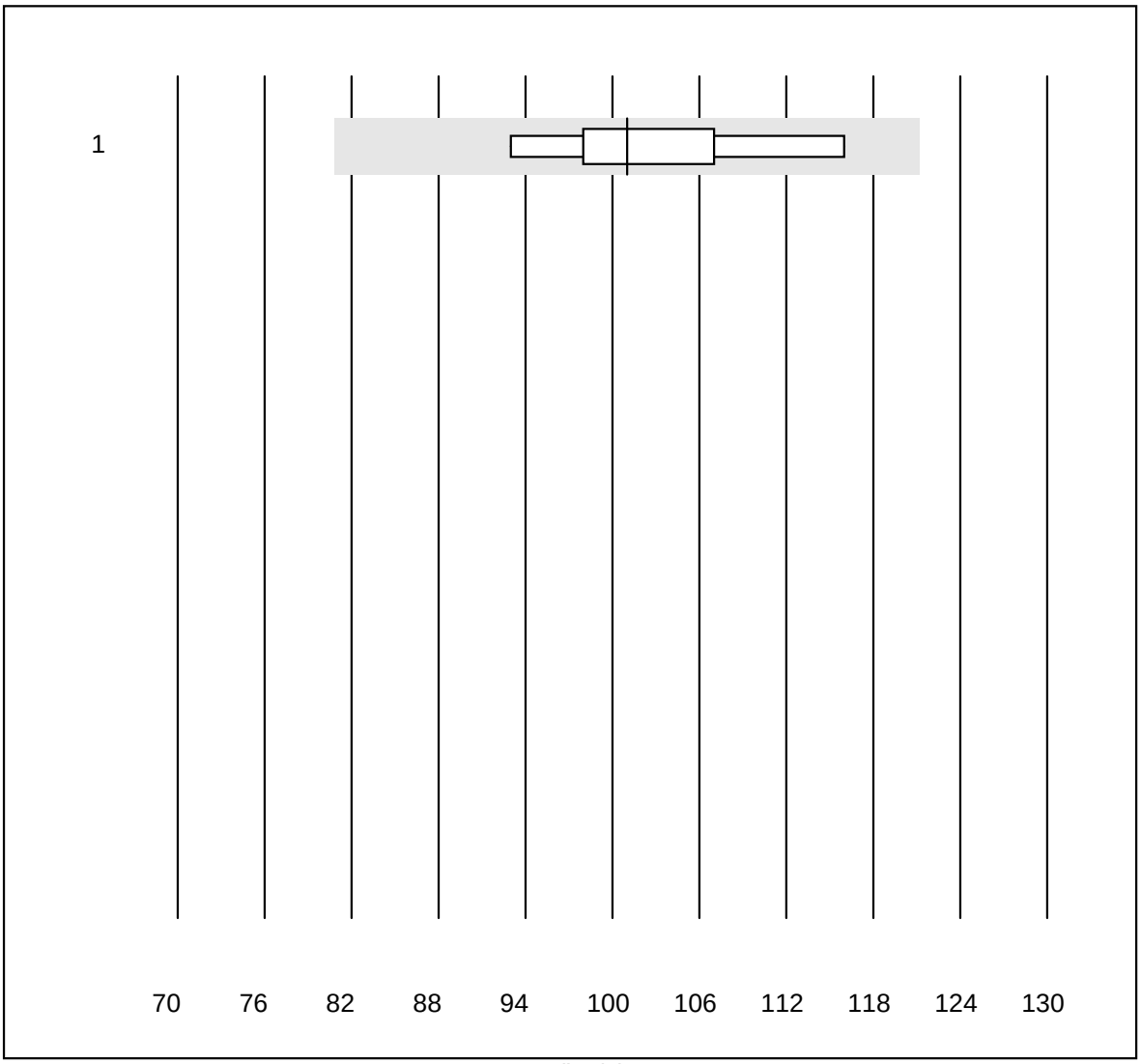
IgM



QUALAB tolerance : 25 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Nephelometry	7	100.0	0.0	0.0	1.2	5.3
2	Cobas Integra 800/40	6	100.0	0.0	0.0	1.1	4.3

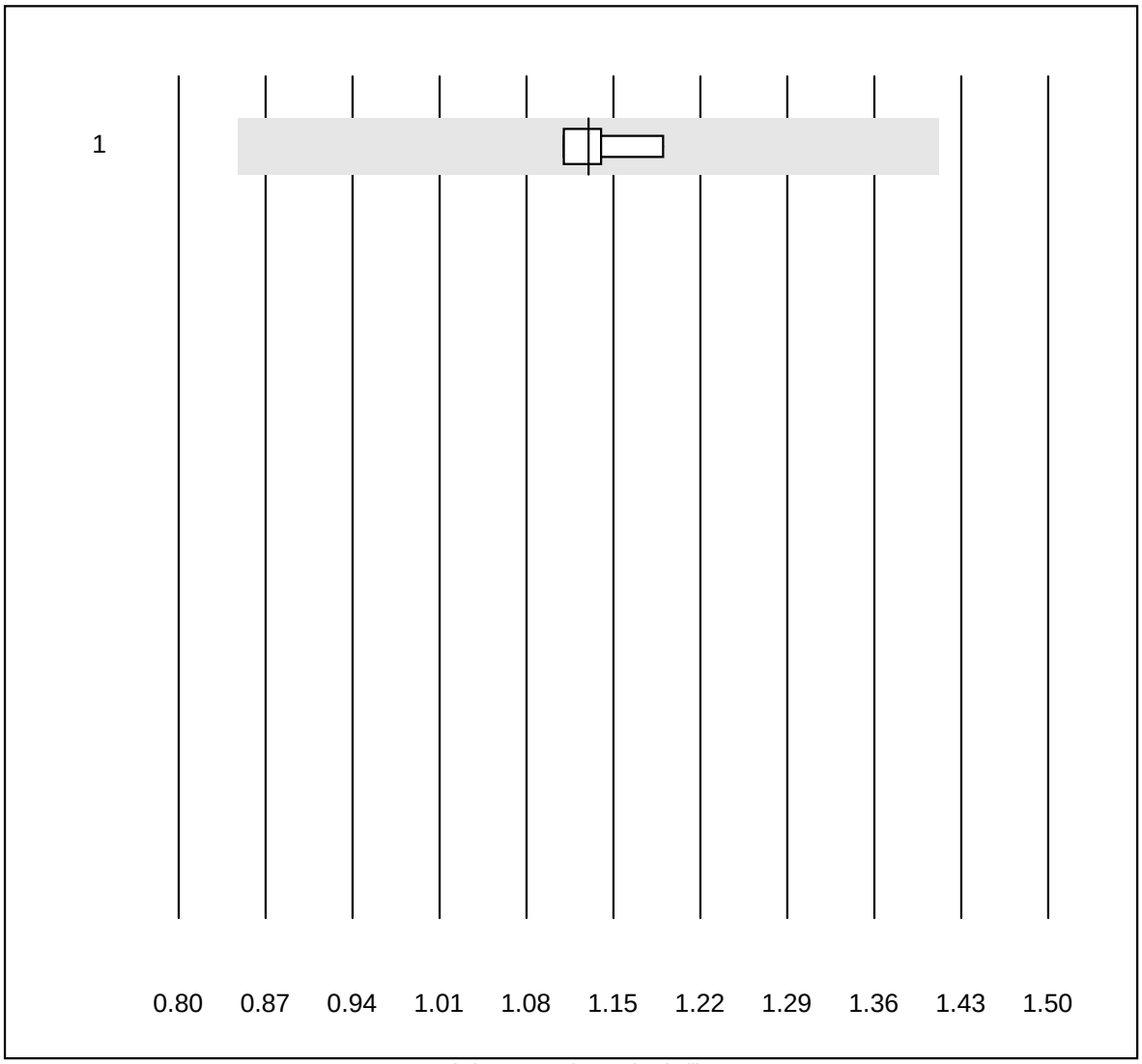
IgE



QUALAB tolerance : 20 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	all Participants	9	100.0	0.0	0.0	101	6.7

Alpha-1-Antitrypsin

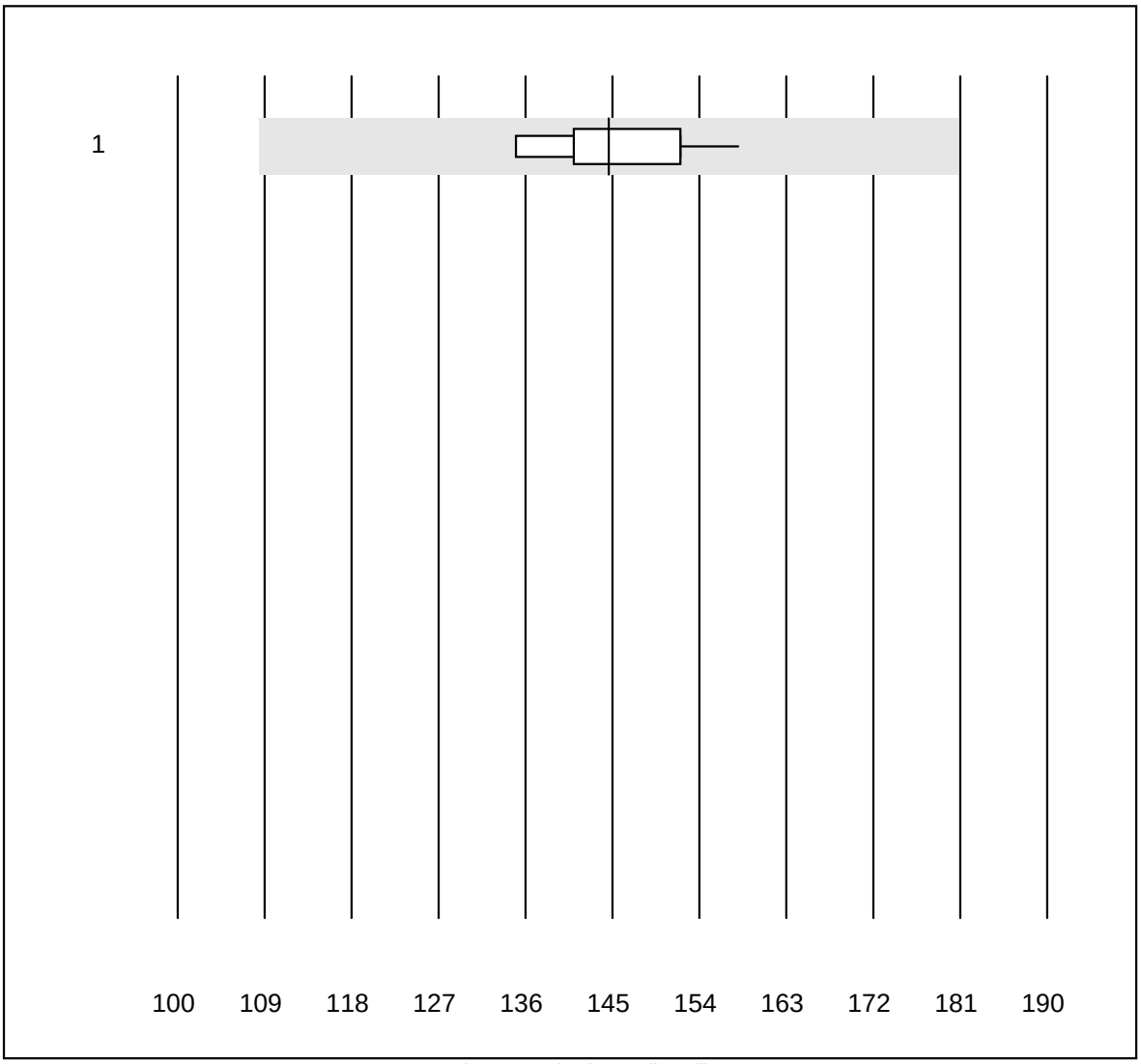


QUALAB tolerance : 25 %

Alpha-1-Antitrypsin (g/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Nephelometry	4	100.0	0.0	0.0	1.13	3.1

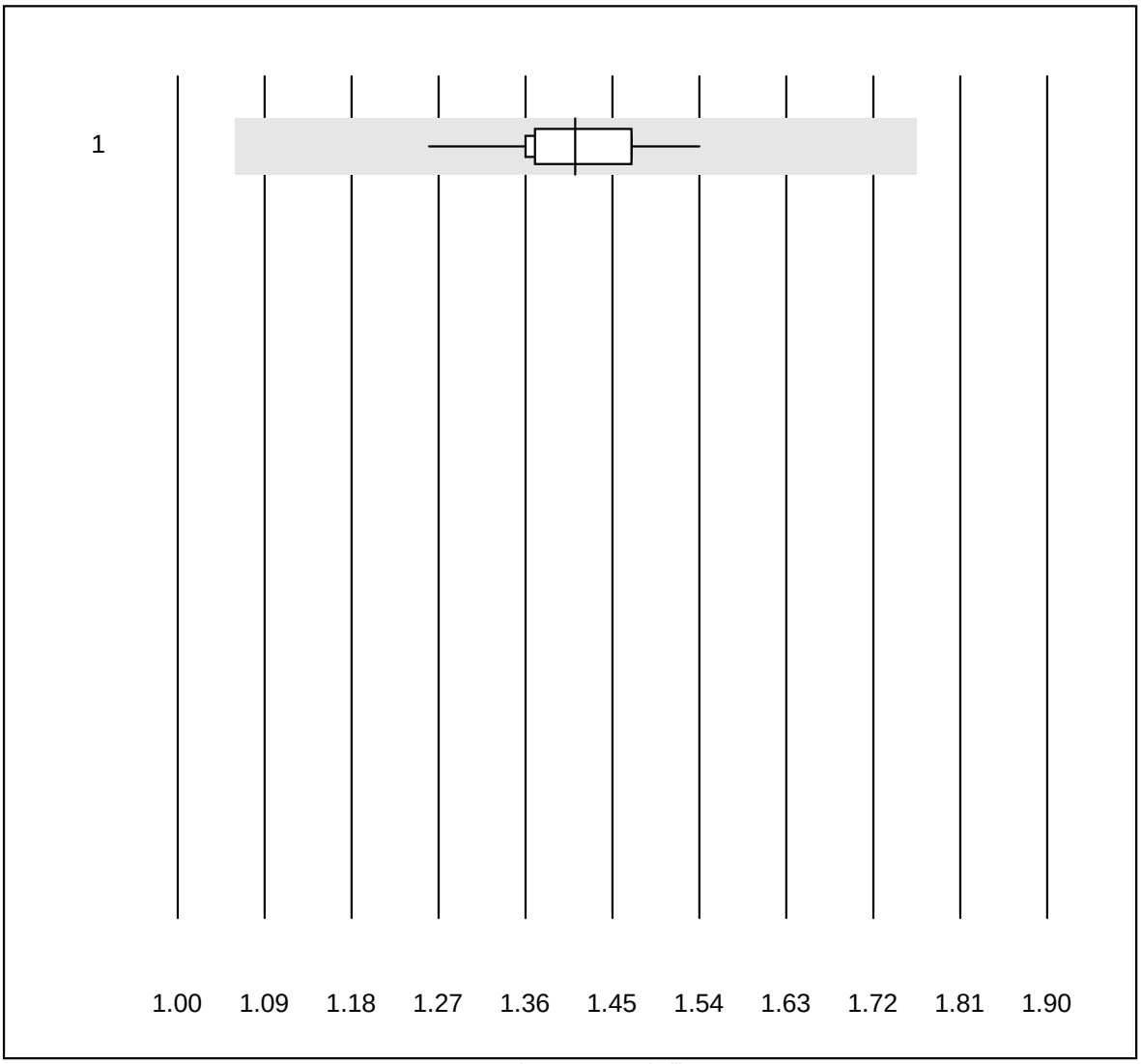
Anti-streptolysin-O



QUALAB tolerance : 25 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	all Participants	10	100.0	0.0	0.0	145	4.9

Complement C3

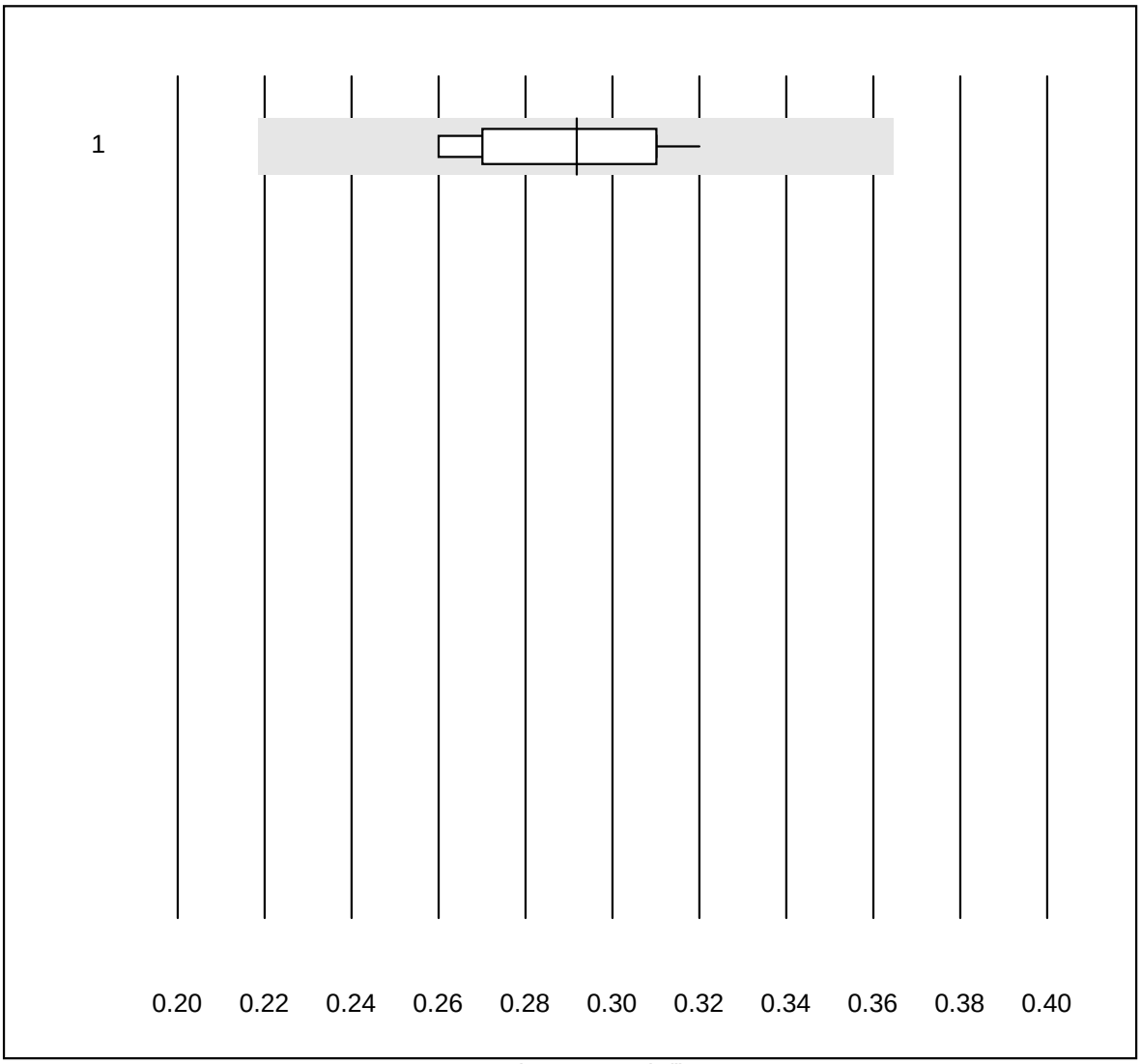


QUALAB tolerance : 25 %

Complement C3 (g/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	all Participants	11	100.0	0.0	0.0	1.41	5.1

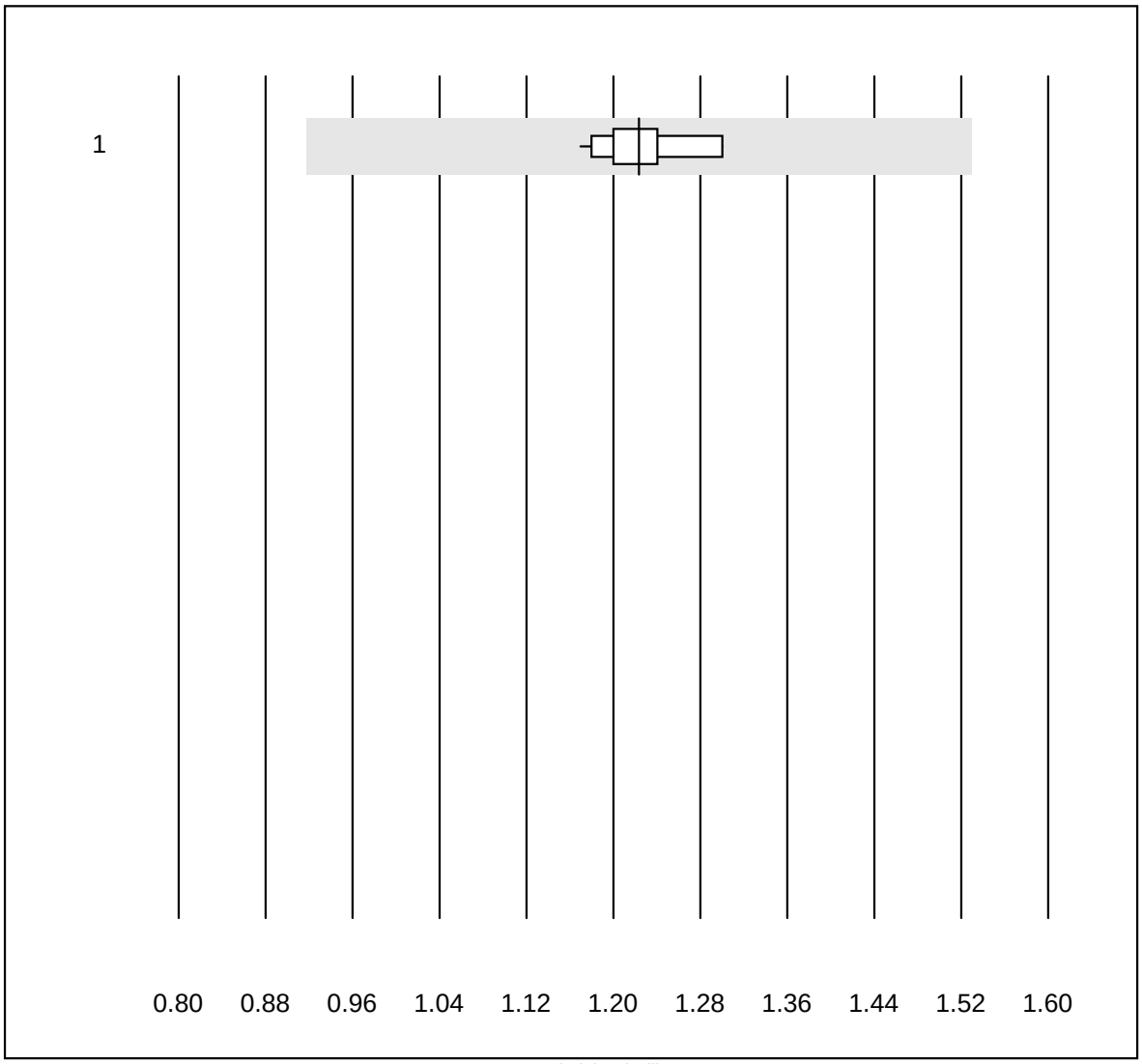
Complement C4



QUALAB tolerance : 25 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	all Participants	10	100.0	0.0	0.0	0.29	7.4

Haptoglobin

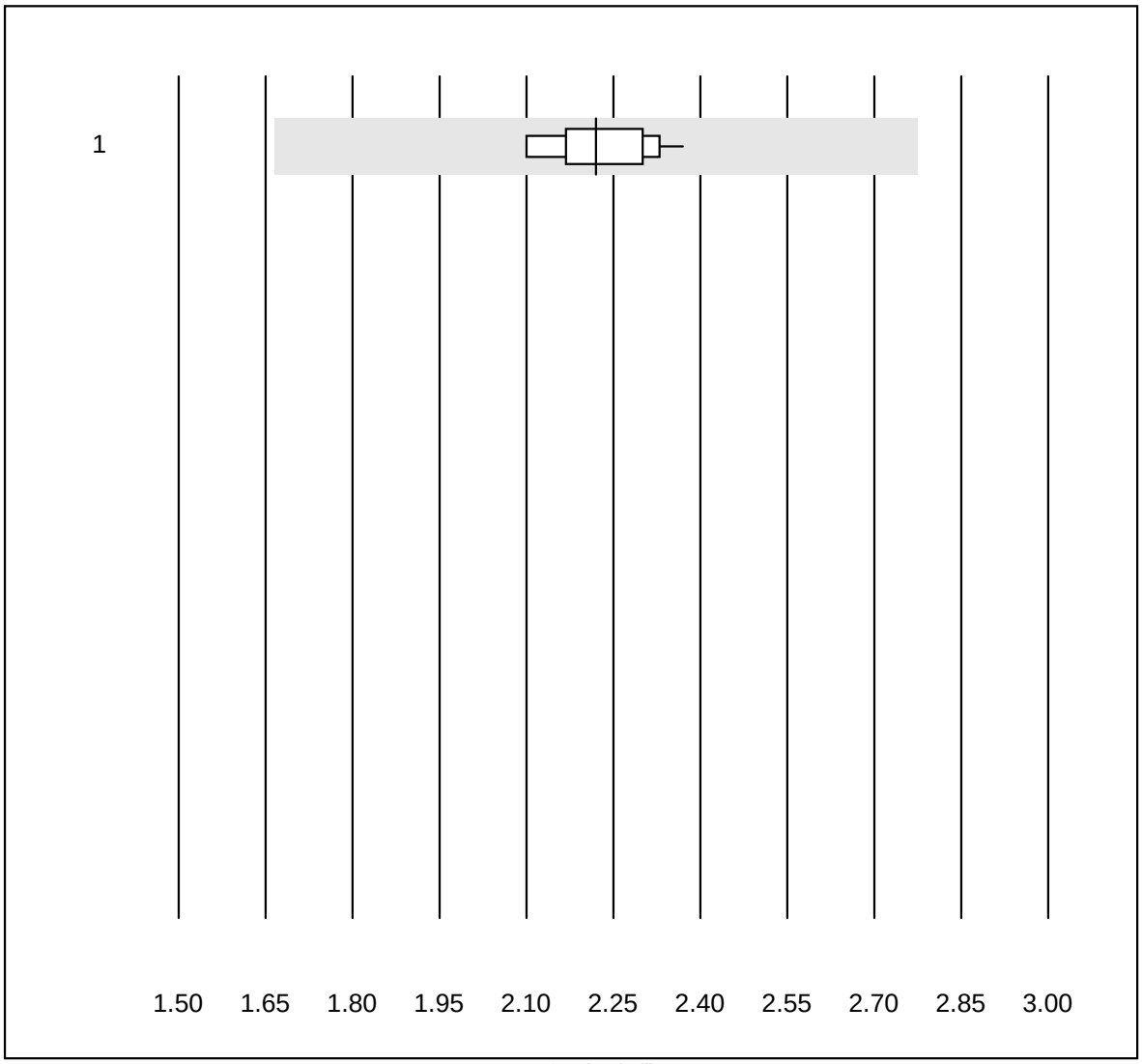


QUALAB tolerance : 25 %

Haptoglobin (g/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	all Participants	11	100.0	0.0	0.0	1.22	3.5

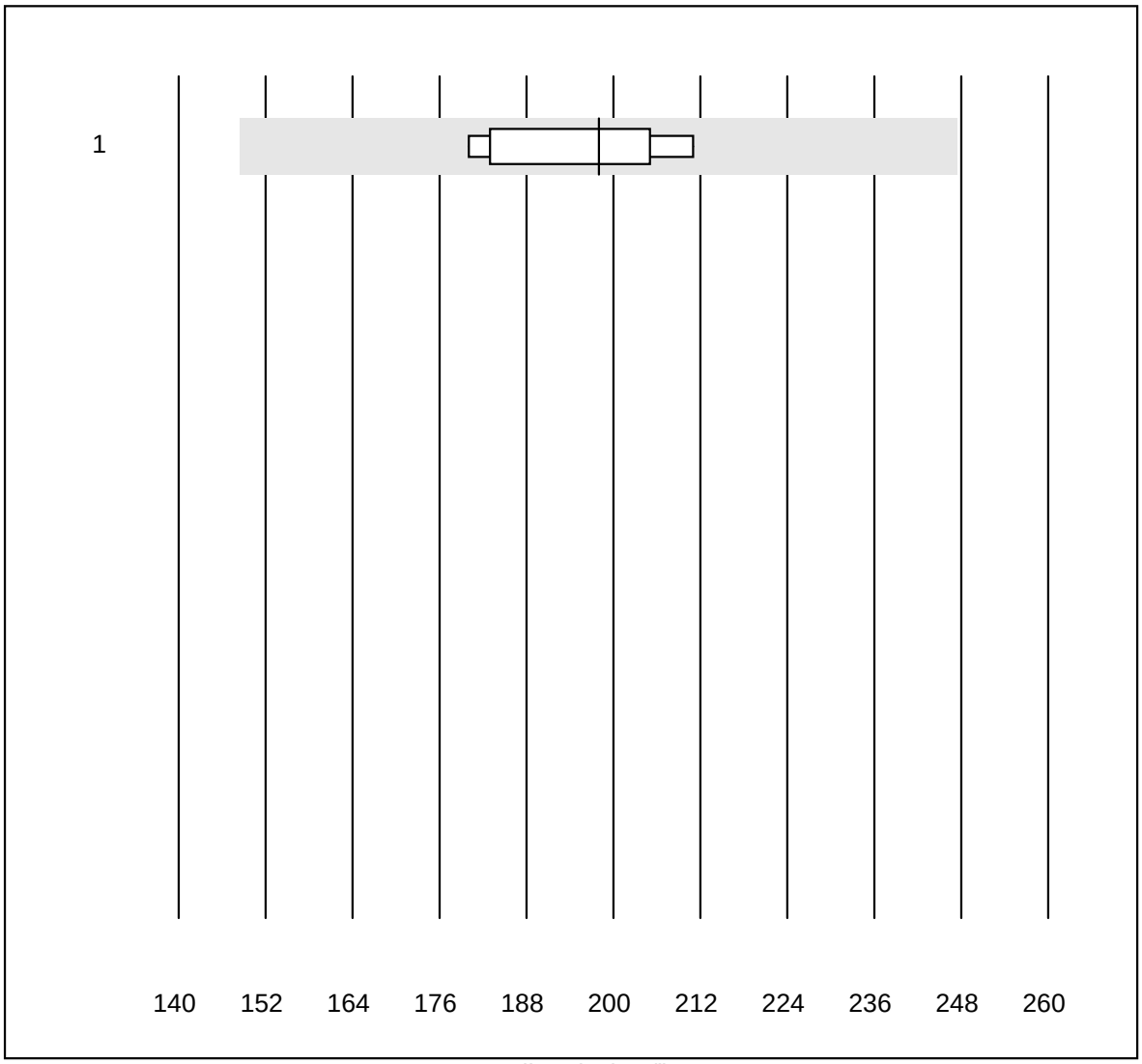
Transferrin



QUALAB tolerance : 25 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	all Participants	14	100.0	0.0	0.0	2.22	4.0

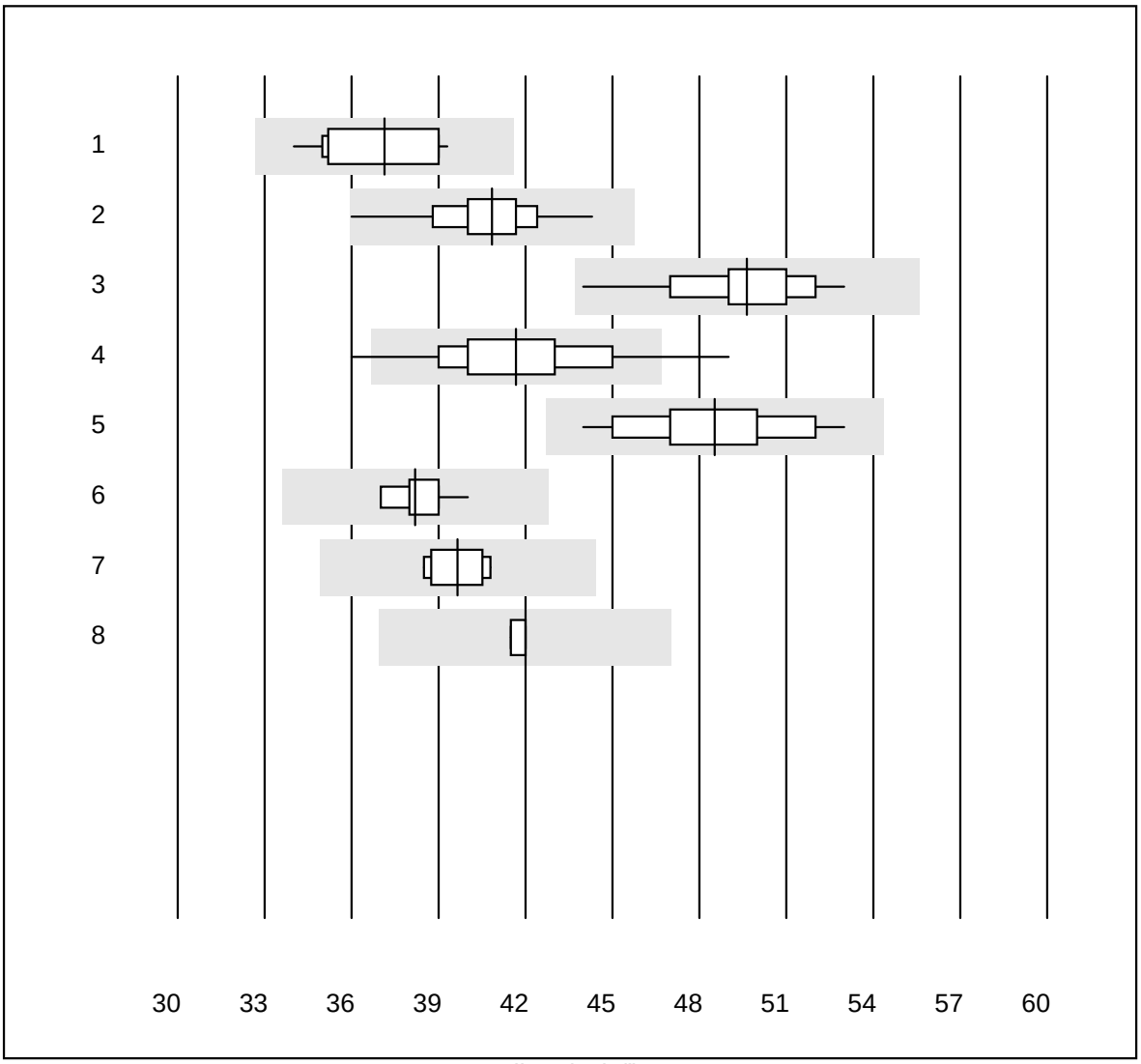
Präalbumin



QUALAB tolerance : 25 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	all Participants	6	100.0	0.0	0.0	198.0	6.2

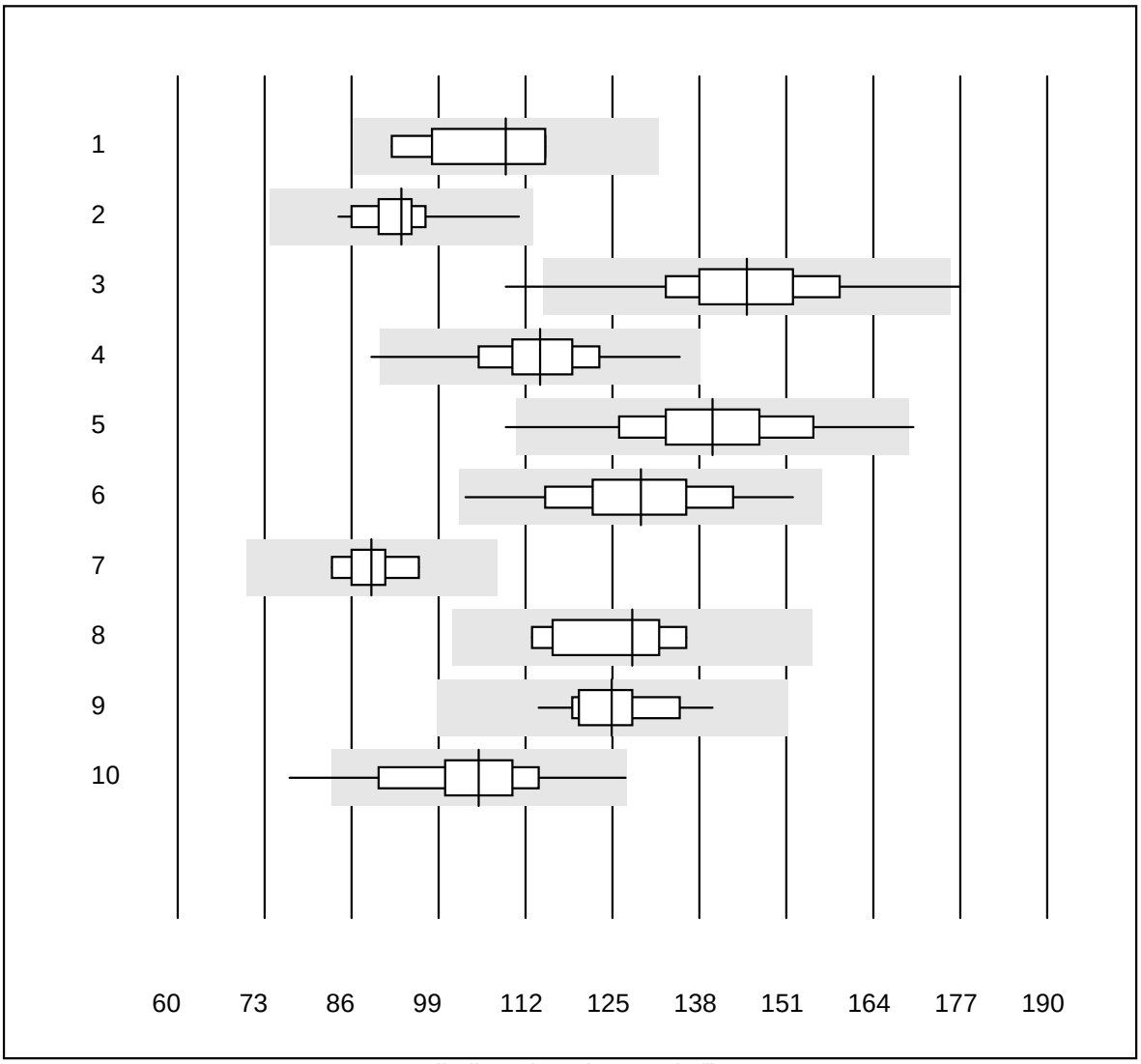
Albumin



QUALAB tolerance : 12 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Standard chemistry	12	100.0	0.0	0.0	37	5.2
2	Cobas	16	100.0	0.0	0.0	41	4.4
3	Fuji Dri-Chem	135	99.3	0.0	0.7	50	3.8
4	Spotchem/Ready	59	89.8	6.8	3.4	42	6.4
5	Spotchem D-Concept	47	100.0	0.0	0.0	49	4.6
6	Piccolo	15	100.0	0.0	0.0	38	2.3
7	Abx Mira	6	100.0	0.0	0.0	40	2.3
8	Hitachi S40/M40	4	100.0	0.0	0.0	42	0.6

Alkaline phosphatase

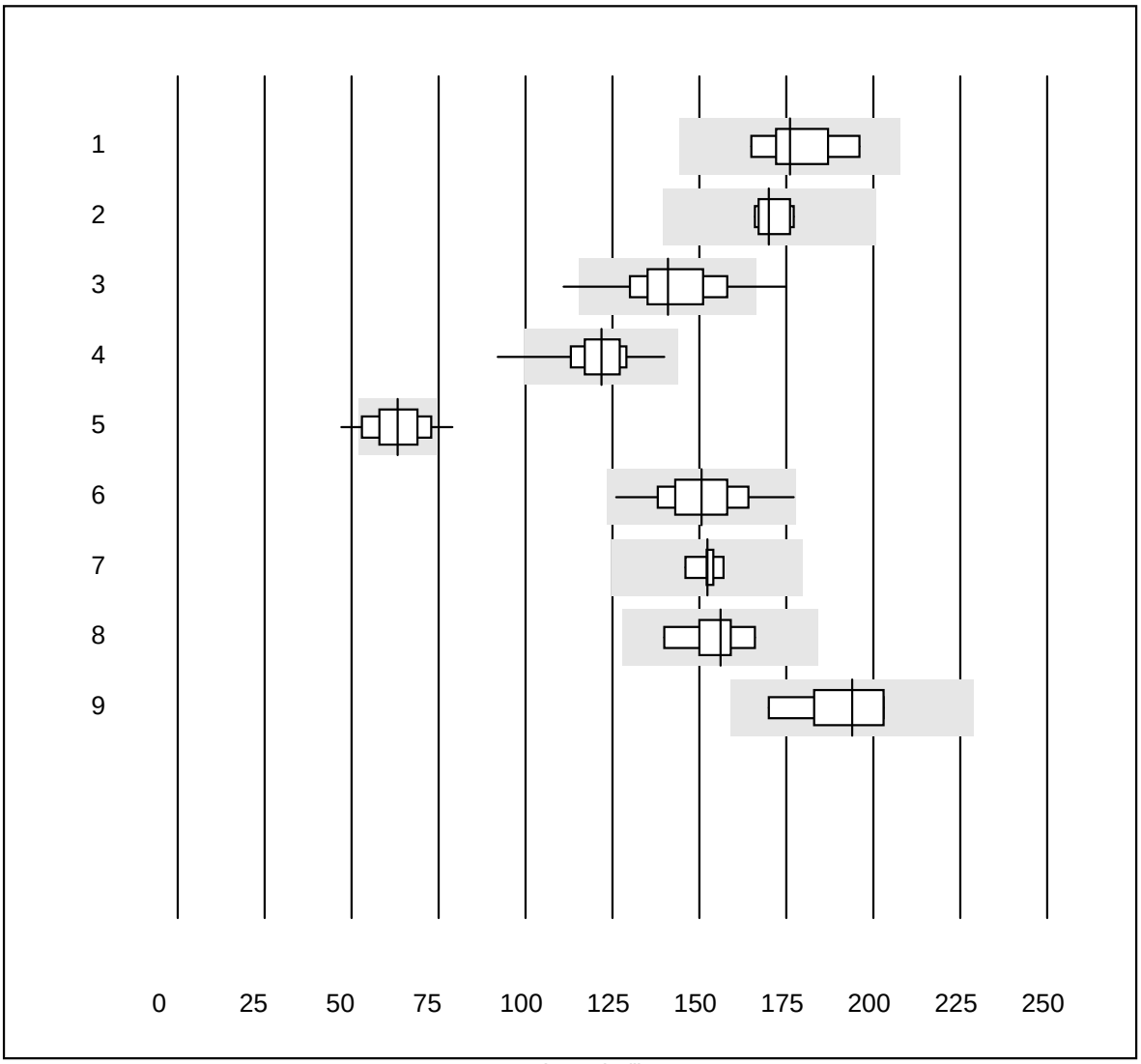


QUALAB tolerance : 21 %

Alkaline phosphatase (U/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	IFCC/SGKC 37'C	7	100.0	0.0	0.0	109	8.3
2	Cobas	22	100.0	0.0	0.0	93	6.3
3	Reflotron	758	97.7	1.2	1.1	145	7.4
4	Fuji Dri-Chem	567	99.6	0.2	0.2	114	6.1
5	Spotchem/Ready	153	98.0	2.0	0.0	140	8.4
6	Spotchem D-Concept	90	97.8	0.0	2.2	129	8.1
7	Hitachi S40/M40	9	100.0	0.0	0.0	89	5.1
8	Olympus	5	100.0	0.0	0.0	128	8.0
9	Piccolo	16	100.0	0.0	0.0	125	5.4
10	Abx Mira	18	94.4	5.6	0.0	105	10.2

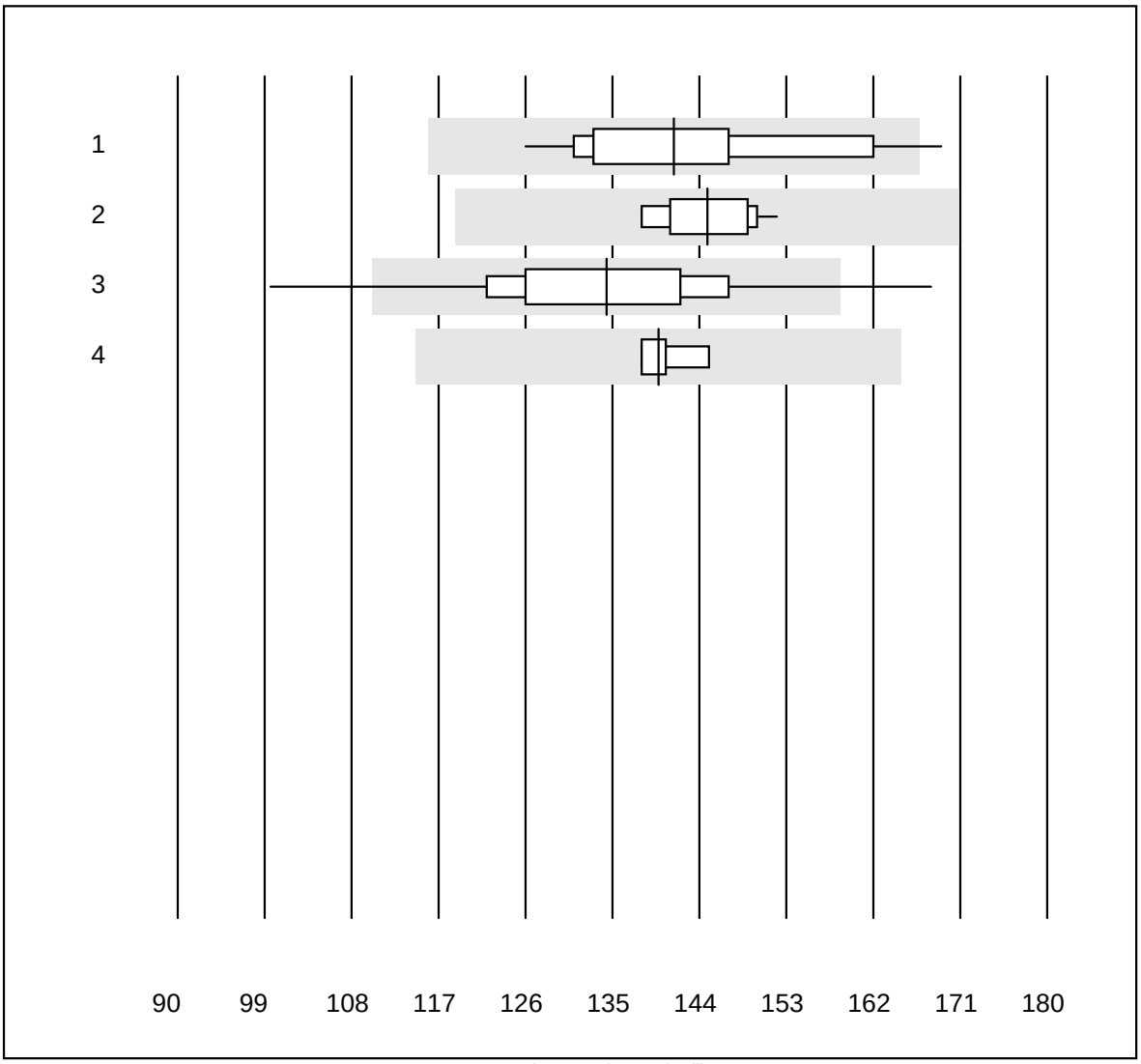
Amylase



QUALAB tolerance : 18 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	IFCC EPS liquid 37°C	9	100.0	0.0	0.0	176	5.6
2	Cobas	8	100.0	0.0	0.0	170	2.5
3	Reflotron	204	97.5	2.5	0.0	141	7.9
4	Fuji Dri-Chem	433	99.0	0.5	0.5	122	5.3
5	Spotchem/Ready	94	82.9	12.8	4.3	63	11.9
6	Spotchem D-Concept	72	100.0	0.0	0.0	151	7.1
7	Piccolo	13	100.0	0.0	0.0	152	2.3
8	Abx Mira	8	100.0	0.0	0.0	156	5.5
9	Hitachi S40/M40	6	100.0	0.0	0.0	194	6.7

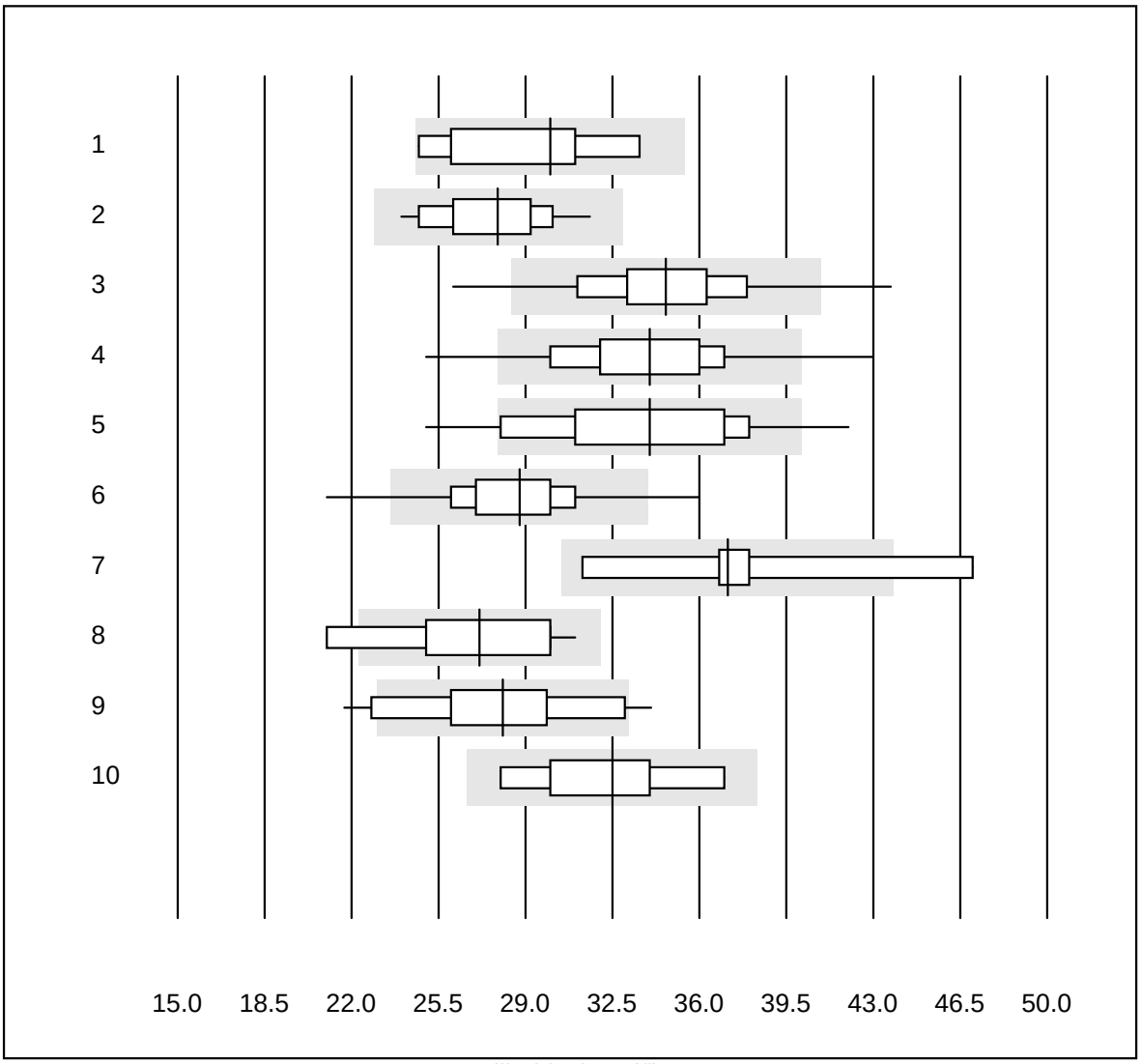
Pancreatic amylase



QUALAB tolerance : 18 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	IFCC EPS liquid 37°C	14	92.9	7.1	0.0	141	8.5
2	Cobas	13	100.0	0.0	0.0	145	3.2
3	Reflotron	481	97.3	2.3	0.4	134	7.7
4	wet chemistry, other	4	100.0	0.0	0.0	140	2.2

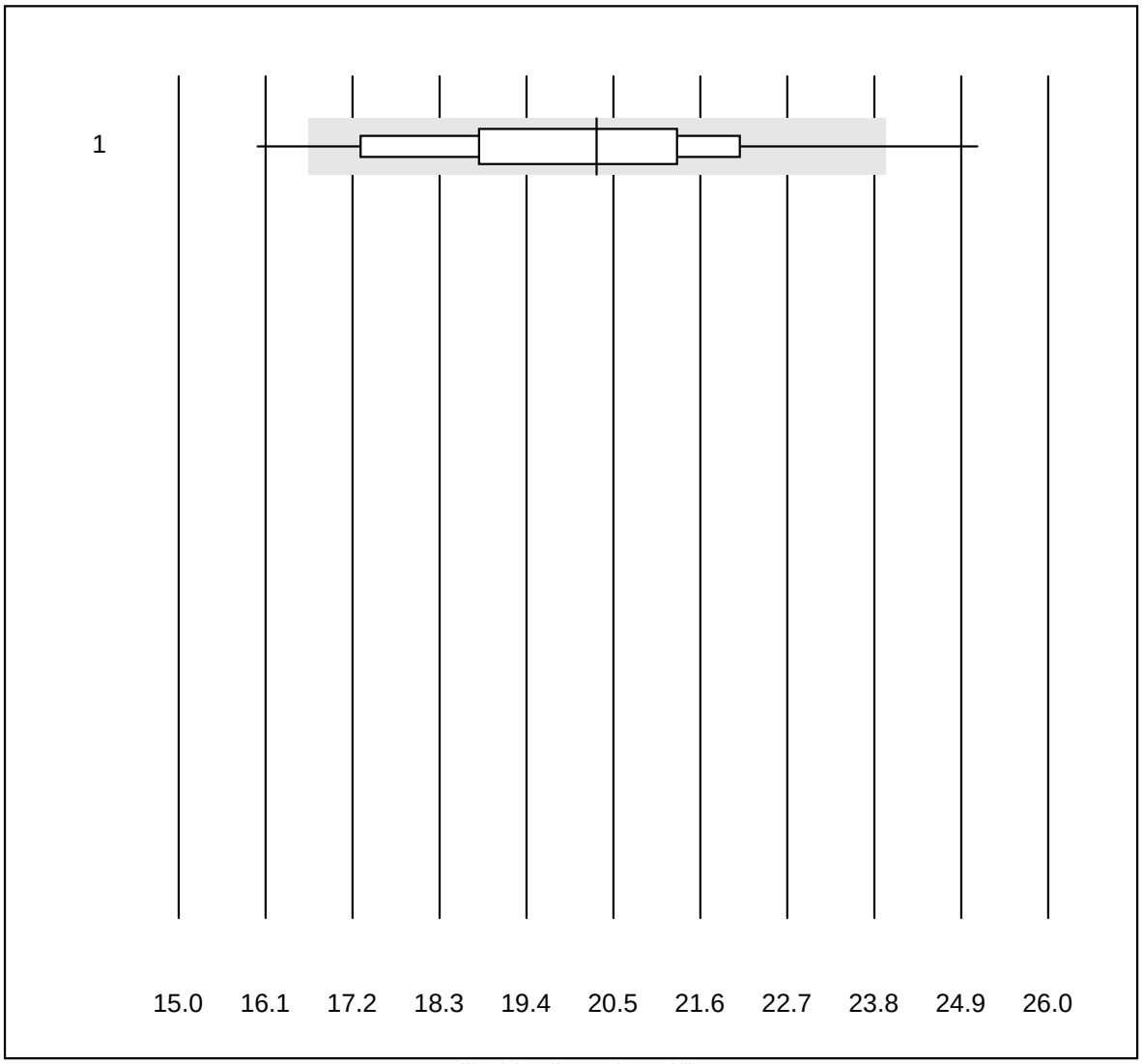
Bilirubin



QUALAB tolerance : 18 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Standard chemistry	9	100.0	0.0	0.0	30.0	12.3
2	Cobas	19	100.0	0.0	0.0	27.9	7.3
3	Reflotron	553	93.5	3.4	3.1	34.6	7.8
4	Fuji Dri-Chem	411	94.0	4.1	1.9	34.0	8.7
5	Spotchem/Ready	116	87.1	9.5	3.4	34.0	11.7
6	Spotchem D-Concept	74	93.2	4.1	2.7	28.8	8.3
7	Beckman/Olympus	6	83.3	16.7	0.0	37.2	13.4
8	Piccolo	15	80.0	13.3	6.7	27.1	12.1
9	Abx Mira	18	83.3	16.7	0.0	28.1	11.4
10	Hitachi S40/M40	8	87.5	0.0	12.5	32.5	8.9

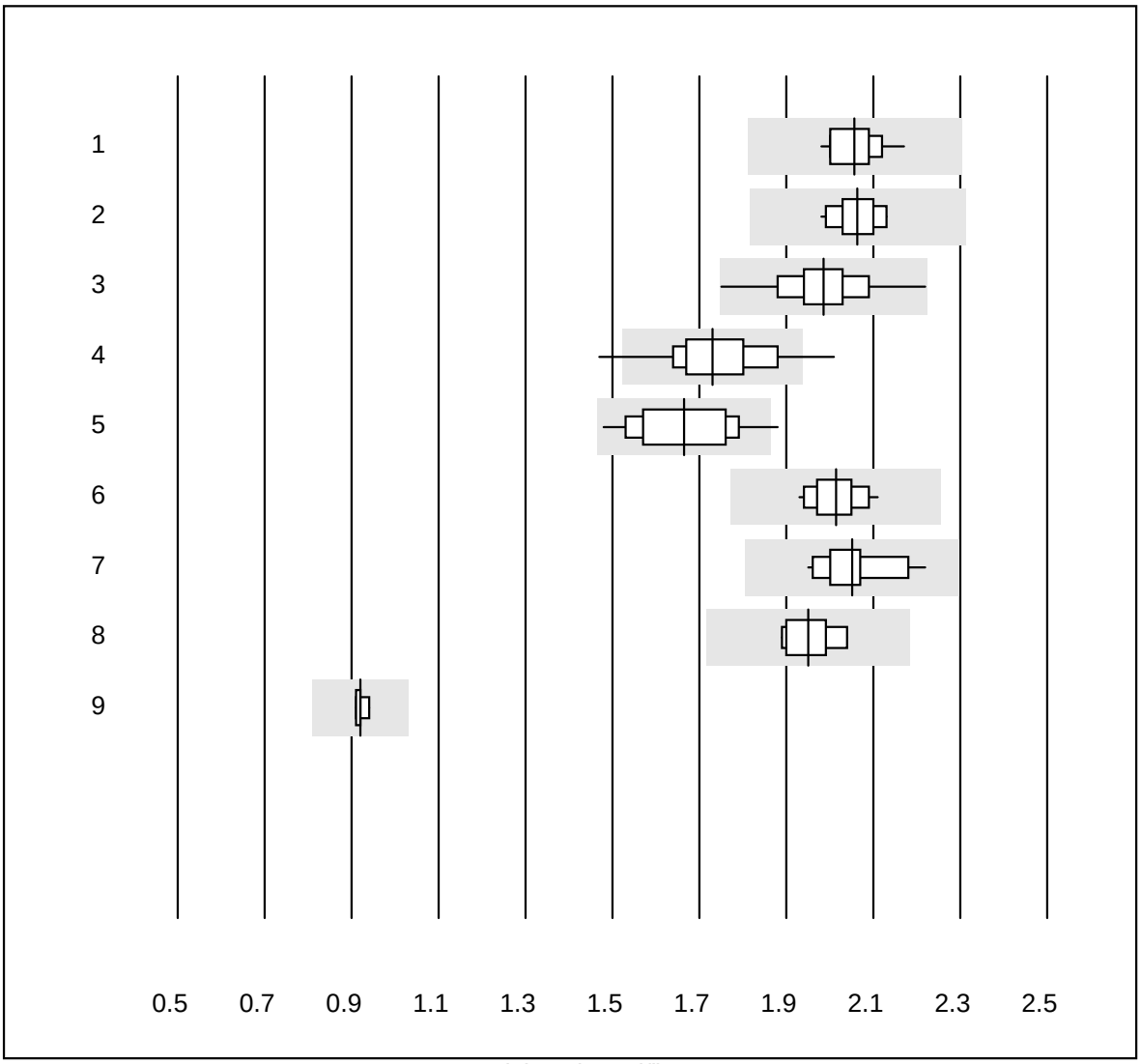
Bilirubin direct



QUALAB tolerance : 18 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Fuji Dri-Chem	28	64.3	10.7	25.0	20.3	11.7

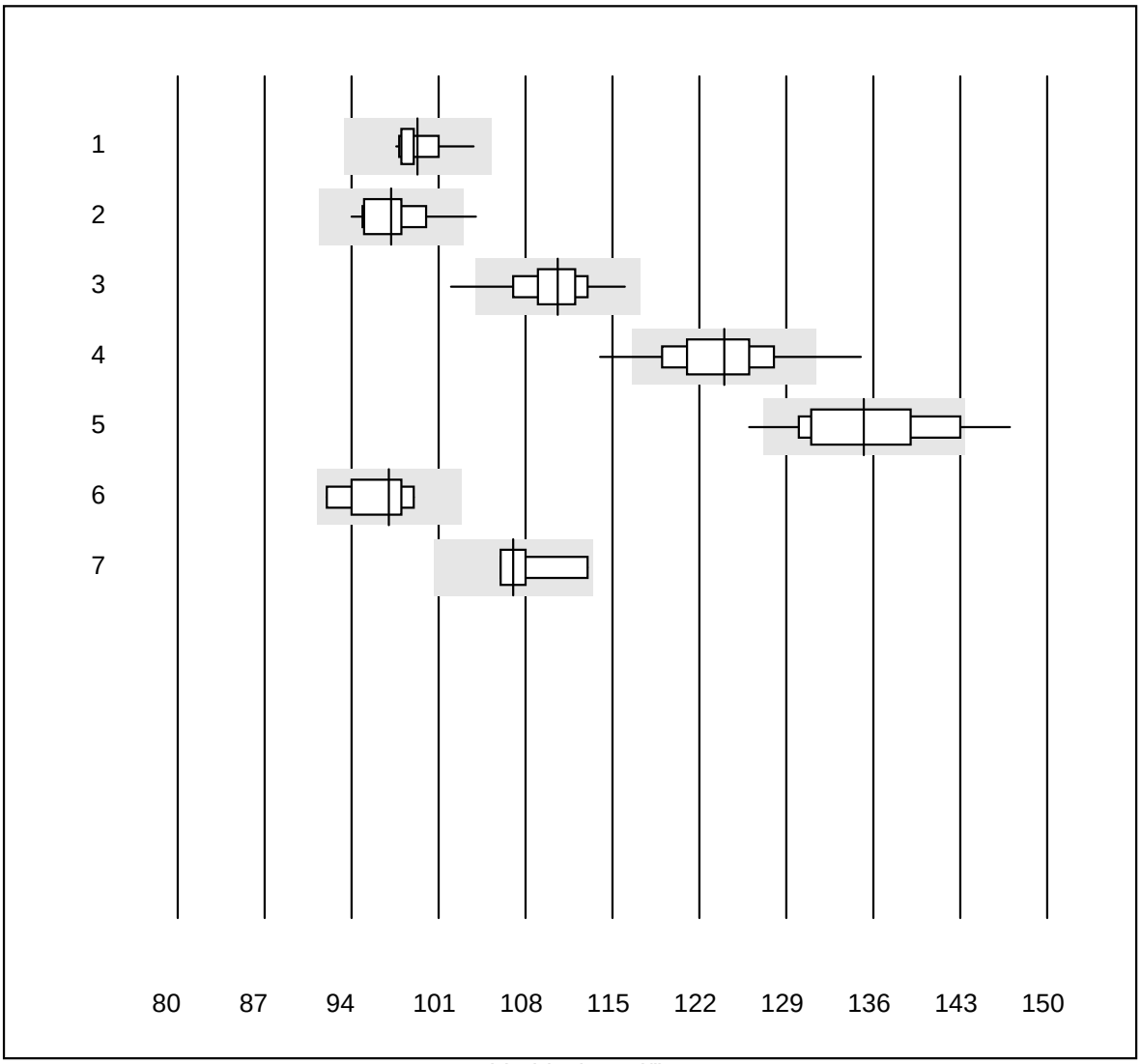
Calcium



QUALAB tolerance : 12 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Standard chemistry	15	93.3	0.0	6.7	2.06	2.6
2	Cobas	16	100.0	0.0	0.0	2.06	2.3
3	Fuji Dri-Chem	291	98.6	0.0	1.4	1.99	4.1
4	Spotchem/Ready	61	93.4	6.6	0.0	1.73	5.7
5	Spotchem D-Concept	44	95.4	2.3	2.3	1.66	6.3
6	Piccolo	14	100.0	0.0	0.0	2.01	2.8
7	Abx Mira	13	92.3	0.0	7.7	2.05	3.9
8	Hitachi S40/M40	5	100.0	0.0	0.0	1.95	3.2
9	ISE	4	100.0	0.0	0.0	0.92	1.4

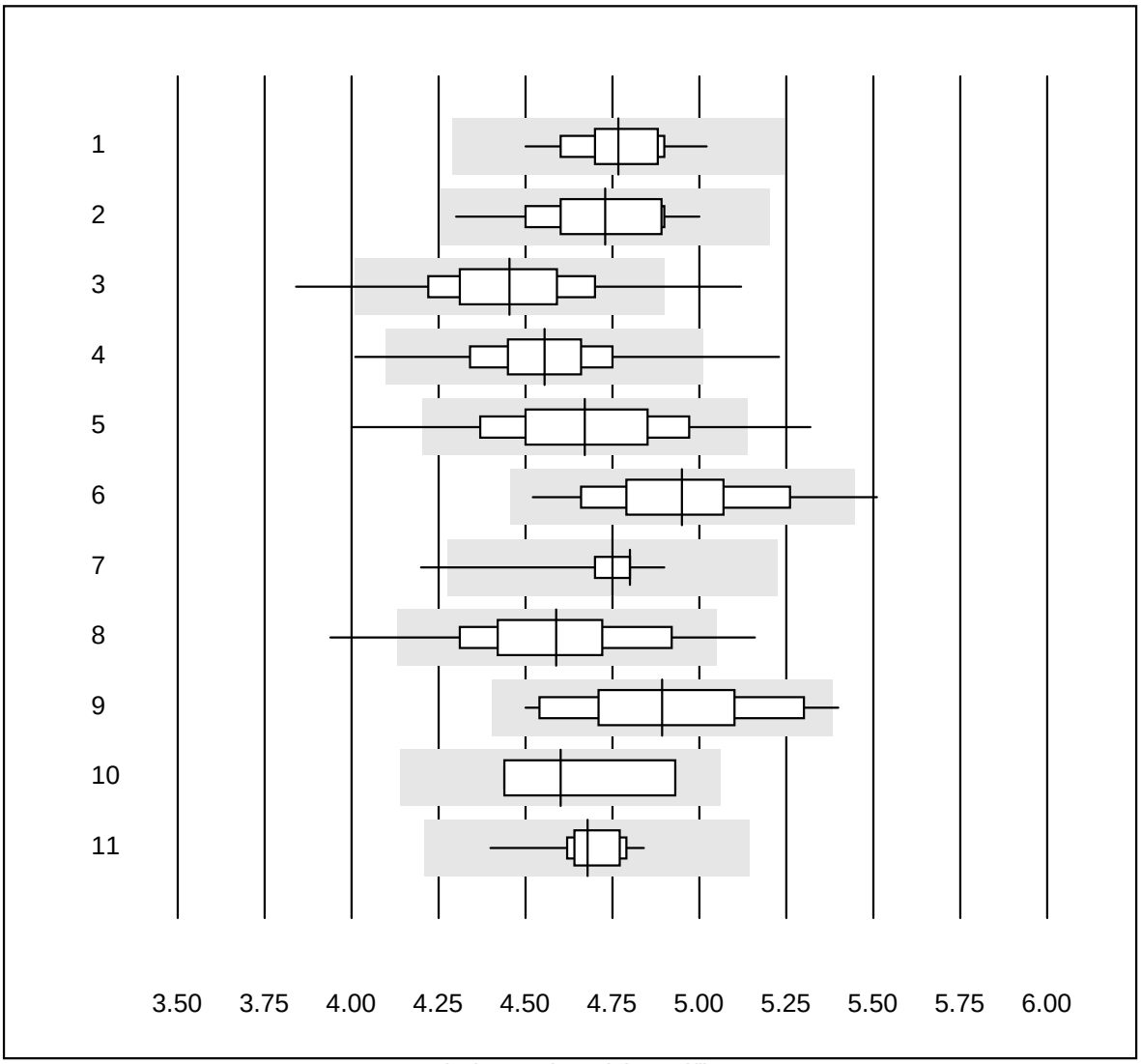
Chloride



QUALAB tolerance : 6 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	ISE	11	100.0	0.0	0.0	99	1.8
2	Cobas	12	83.4	8.3	8.3	97	2.9
3	Fuji Dri-Chem	490	98.4	0.6	1.0	111	2.1
4	Spotchem D-Concept	80	82.5	7.5	10.0	124	3.3
5	Spotchem EL-SE 1520	120	72.5	10.8	16.7	135	3.8
6	Piccolo	8	100.0	0.0	0.0	97	2.4
7	iStat Chem8	4	100.0	0.0	0.0	107	3.1

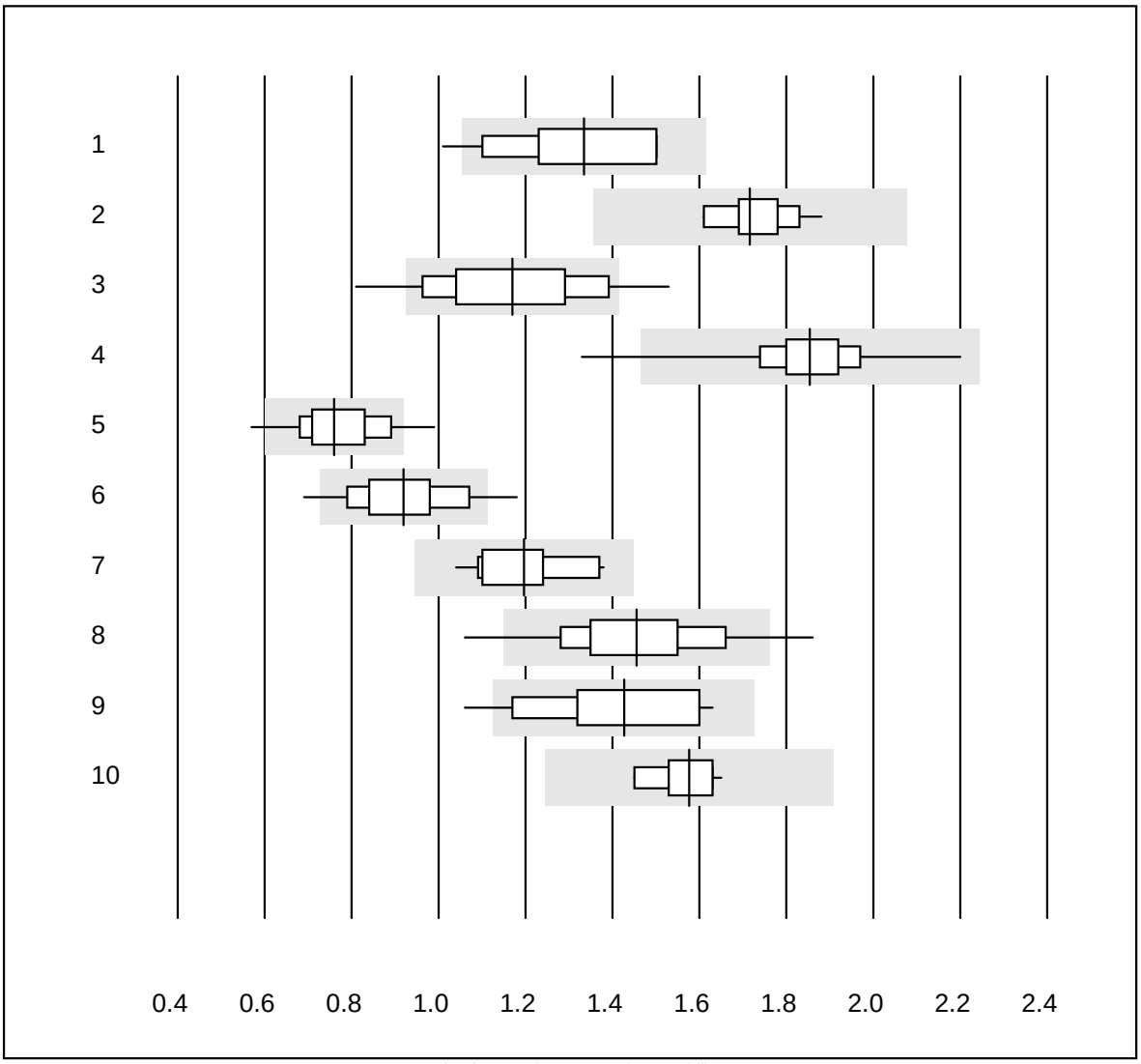
Cholesterol total



QUALAB tolerance : 10 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Standard chemistry	19	100.0	0.0	0.0	4.8	2.7
2	Cobas	20	100.0	0.0	0.0	4.7	3.6
3	Reflotron	970	97.2	1.6	1.2	4.5	4.2
4	Fuji Dri-Chem	608	98.7	0.8	0.5	4.6	3.7
5	Spotchem/Ready	180	92.8	5.0	2.2	4.7	5.1
6	Spotchem D-Concept	93	97.8	1.1	1.1	5.0	4.4
7	Piccolo	12	91.7	8.3	0.0	4.8	3.8
8	Cholestech LDX	197	95.9	3.6	0.5	4.6	4.9
9	Abx Mira	16	93.7	6.3	0.0	4.9	5.3
10	Lange	4	75.0	0.0	25.0	4.6	5.8
11	Hitachi S40/M40	11	100.0	0.0	0.0	4.7	2.5

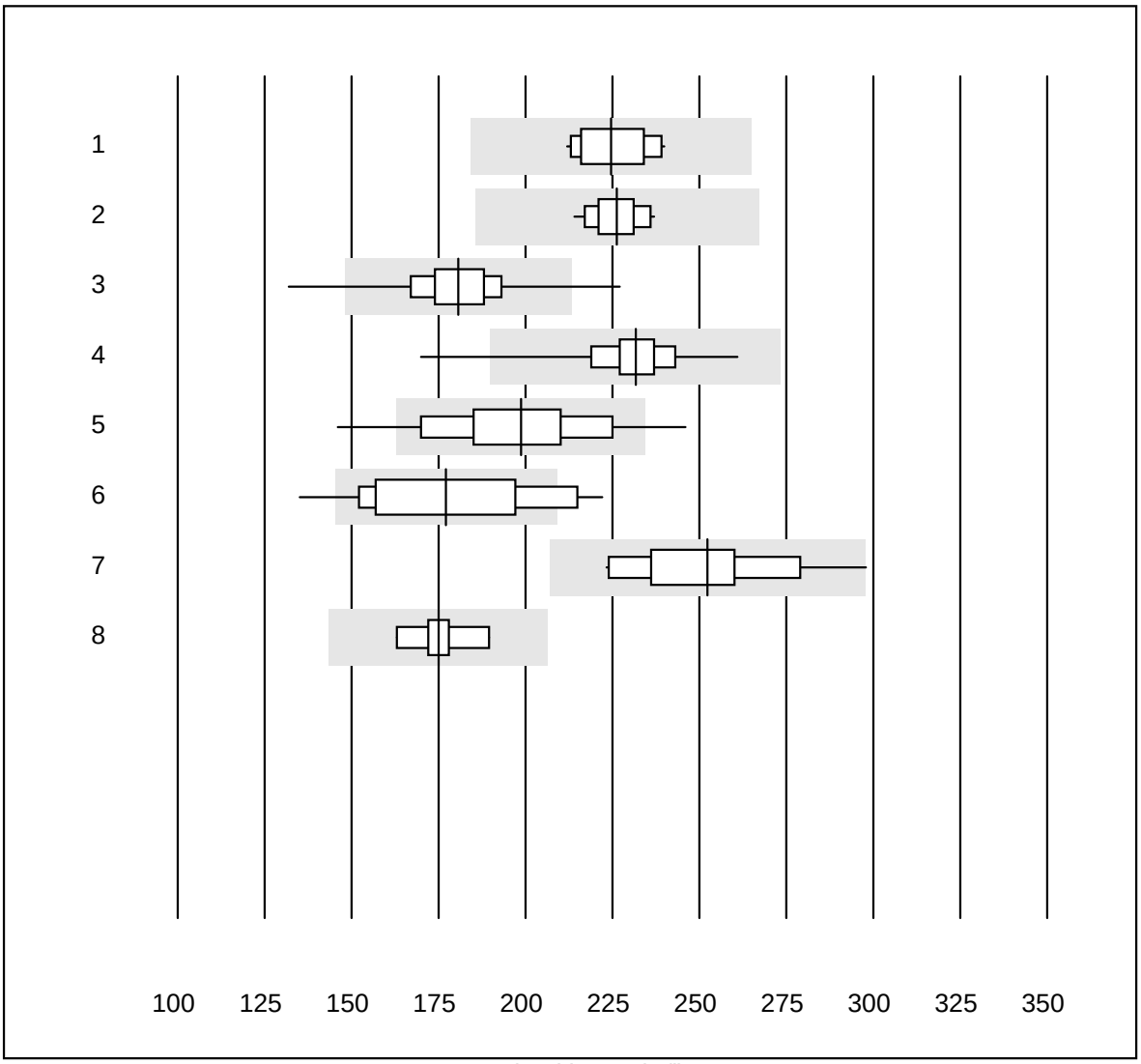
Cholesterin HDL



QUALAB tolerance : 21 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Wet chemistry, direc	15	80.0	6.7	13.3	1.3	12.2
2	Cobas	19	100.0	0.0	0.0	1.7	4.3
3	Reflotron	735	75.6	12.4	12.0	1.2	13.9
4	Fuji Dri-Chem	567	99.6	0.2	0.2	1.9	5.2
5	Spotchem/Ready	163	82.2	8.6	9.2	0.8	11.0
6	Spotchem D-Concept	90	82.2	8.9	8.9	0.9	12.2
7	Piccolo	12	100.0	0.0	0.0	1.2	9.8
8	Cholestech LDX	197	92.4	6.1	1.5	1.5	10.5
9	Abx Mira	16	74.9	6.3	18.8	1.4	13.1
10	Hitachi S40/M40	10	100.0	0.0	0.0	1.6	4.1

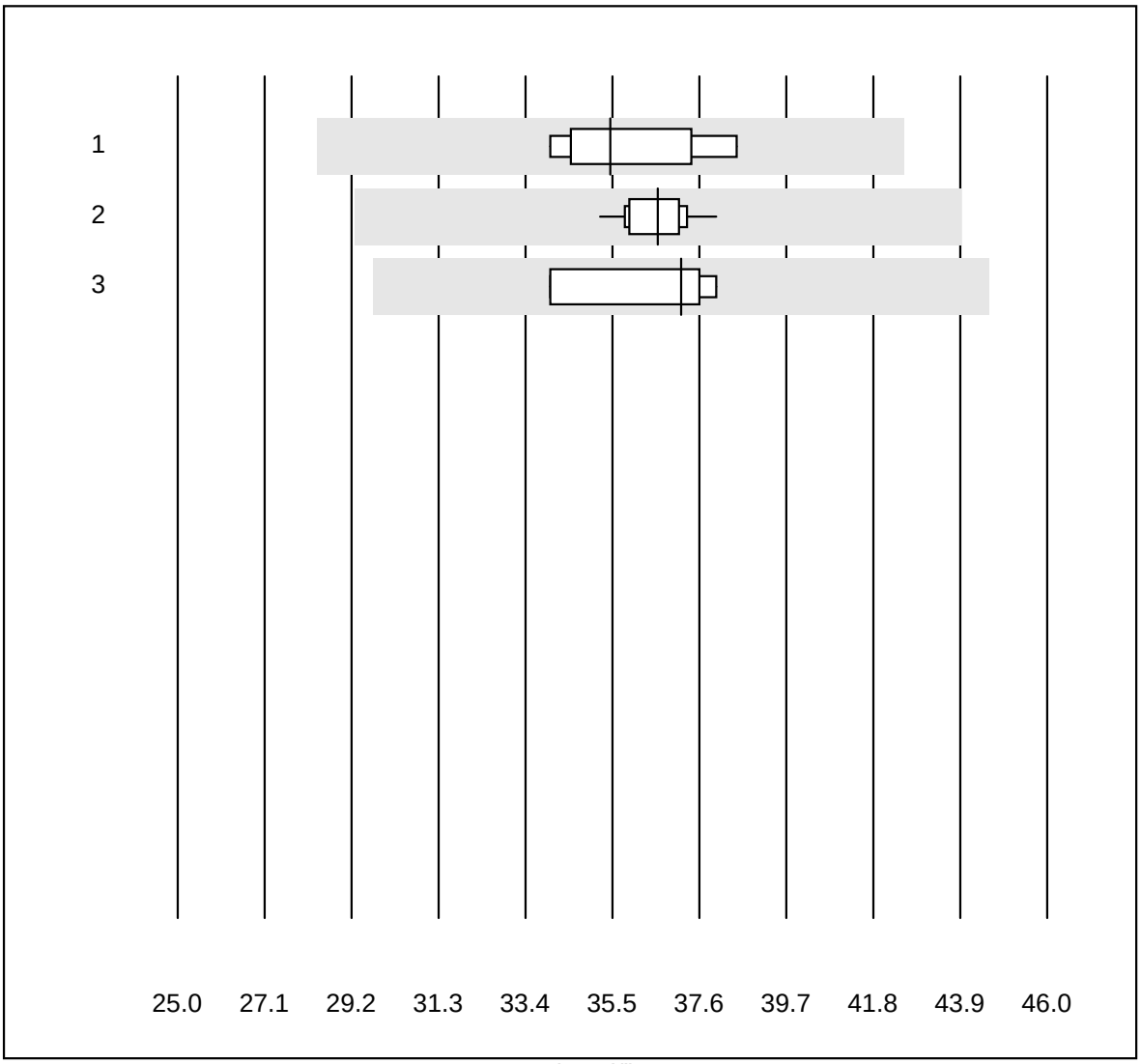
Creatine kinase



QUALAB tolerance : 18 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	IFCC/SGKC 37'C	15	93.3	0.0	6.7	225	4.3
2	Cobas	18	100.0	0.0	0.0	226	2.9
3	Reflotron	483	95.2	3.1	1.7	181	6.8
4	Fuji Dri-Chem	362	97.8	0.8	1.4	232	4.6
5	Spotchem/Ready	74	89.1	9.5	1.4	199	10.9
6	Spotchem D-Concept	59	71.1	15.3	13.6	177	13.7
7	Abx Mira	16	93.7	6.3	0.0	252	7.7
8	Hitachi S40/M40	5	100.0	0.0	0.0	175	5.5

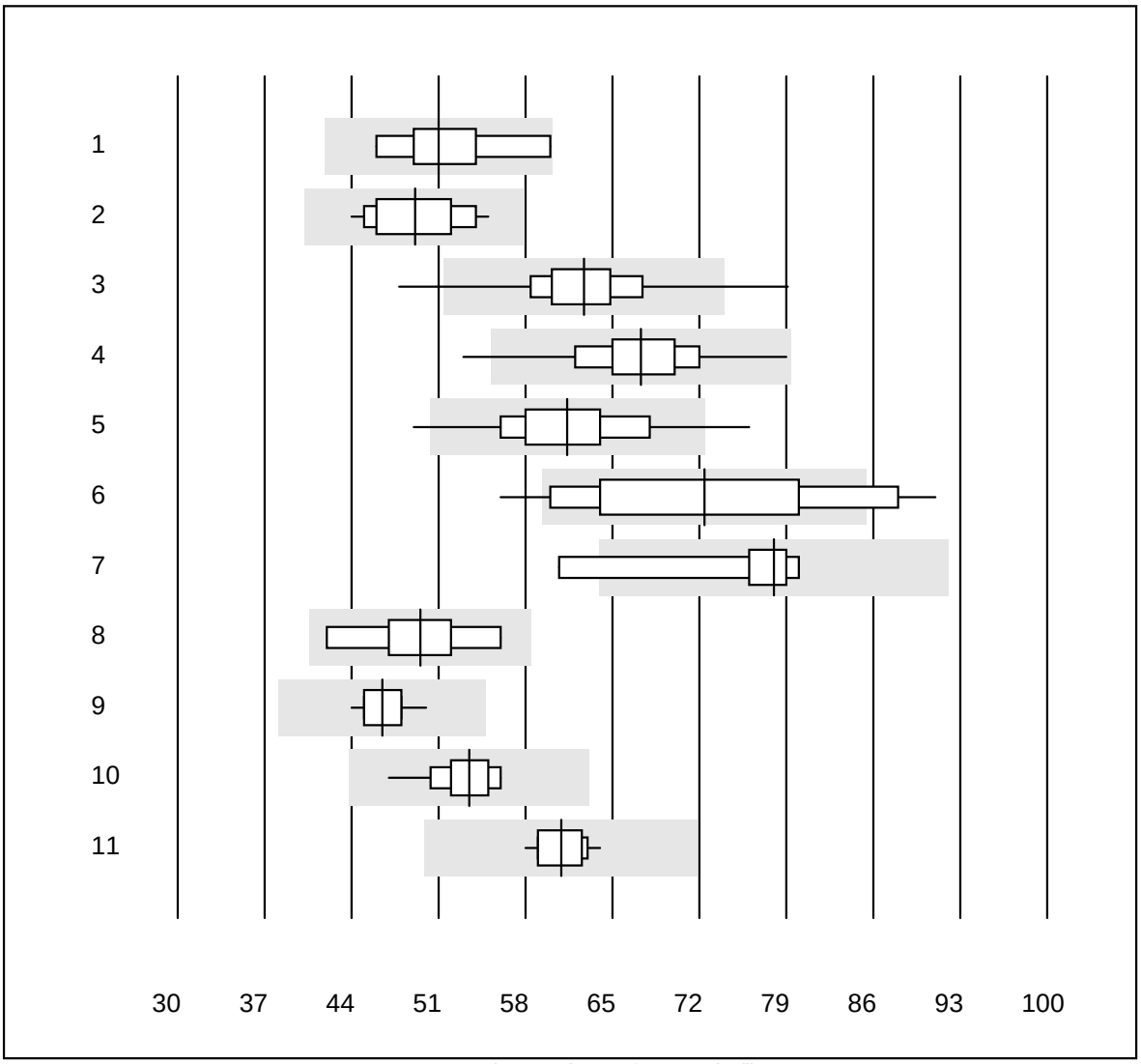
Iron



QUALAB tolerance : 20 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Standard chemistry	6	100.0	0.0	0.0	35	5.1
2	Cobas	12	100.0	0.0	0.0	37	2.2
3	Abx Mira	4	100.0	0.0	0.0	37	4.9

Gamma-glutamyltransferase

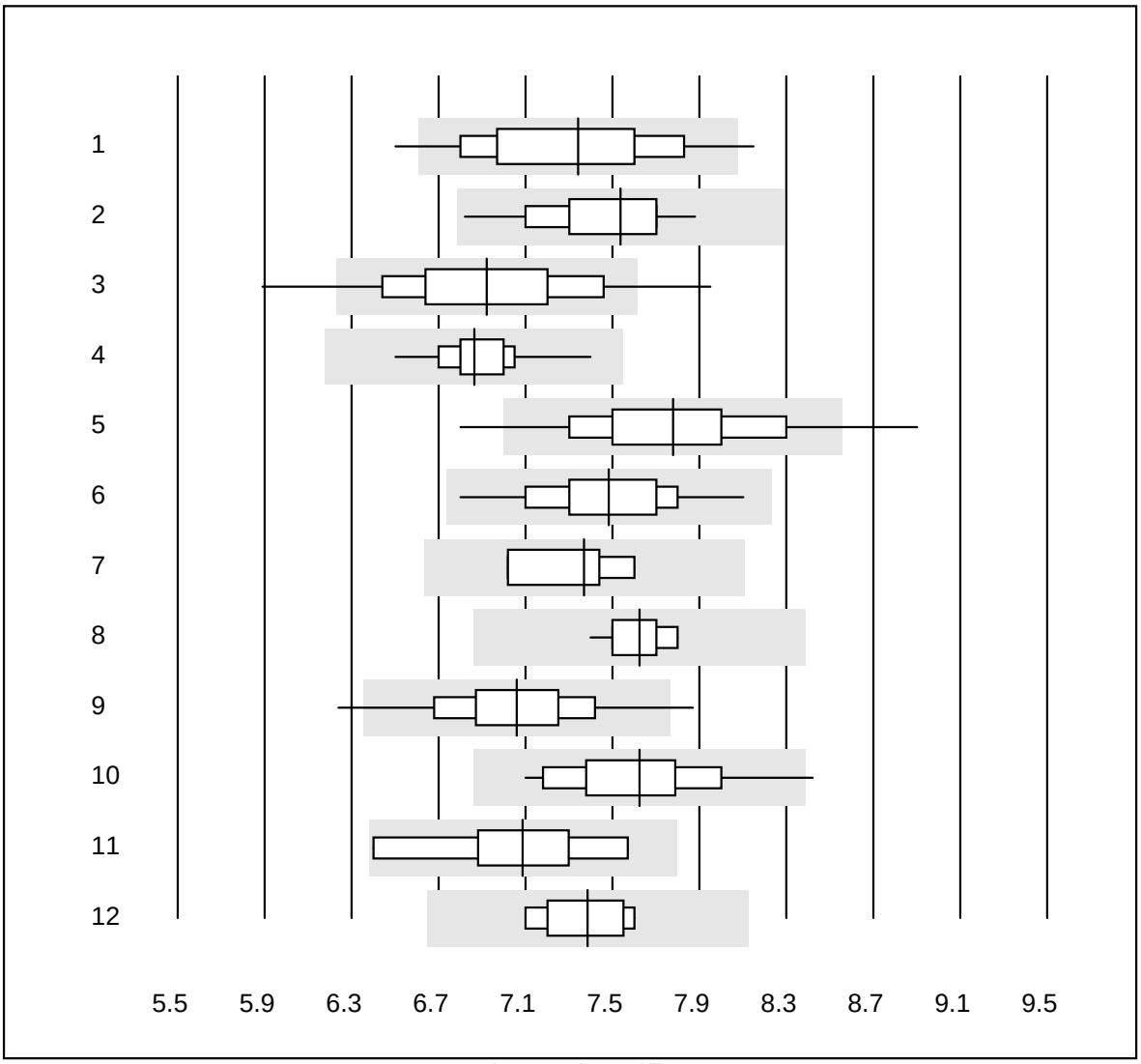


QUALAB tolerance : 18 %

Gamma-glutamyltransferase (U/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	IFCC/SGKC 37'C	5	100.0	0.0	0.0	51	10.3
2	Cobas	19	100.0	0.0	0.0	49	7.1
3	Reflotron	993	97.7	1.0	1.3	63	6.0
4	Fuji Dri-Chem	620	99.5	0.3	0.2	67	6.0
5	Spotchem/Ready	177	95.4	2.3	2.3	61	7.6
6	Spotchem D-Concept	99	60.6	15.2	24.2	72	13.6
7	Vitros/Ektachem	5	80.0	20.0	0.0	78	10.7
8	DGKC 37'C	8	100.0	0.0	0.0	50	9.1
9	Piccolo	15	100.0	0.0	0.0	46	3.5
10	Abx Mira	18	100.0	0.0	0.0	53	4.4
11	Hitachi S40/M40	11	100.0	0.0	0.0	61	3.1

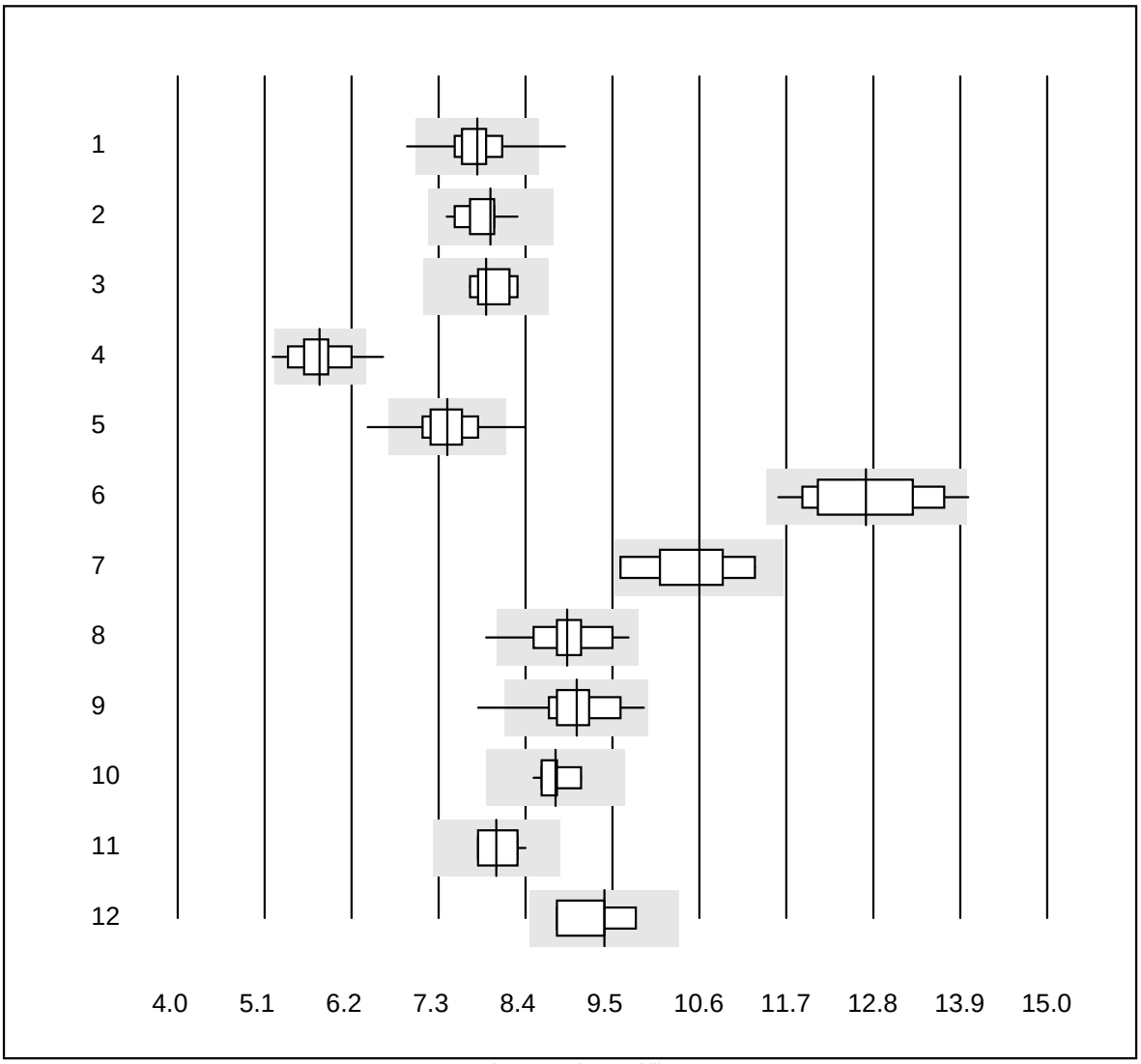
Glucose



QUALAB tolerance : 10 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Standard chemistry	32	87.5	9.4	3.1	7.3	5.7
2	Cobas	20	100.0	0.0	0.0	7.5	3.5
3	Reflotron	1015	91.4	7.0	1.6	6.9	5.6
4	Fuji Dri-Chem	582	99.5	0.0	0.5	6.9	2.1
5	Spotchem/Ready	162	88.9	8.0	3.1	7.8	5.2
6	Spotchem D-Concept	95	100.0	0.0	0.0	7.5	4.0
7	Vitros/Ektachem	4	100.0	0.0	0.0	7.4	3.4
8	Piccolo	17	100.0	0.0	0.0	7.6	1.7
9	Cholestech LDX	160	95.0	3.1	1.9	7.1	4.2
10	Abx Mira	18	94.4	5.6	0.0	7.6	4.4
11	Lange	9	77.8	0.0	22.2	7.1	5.2
12	Hitachi S40/M40	11	90.9	0.0	9.1	7.4	2.4

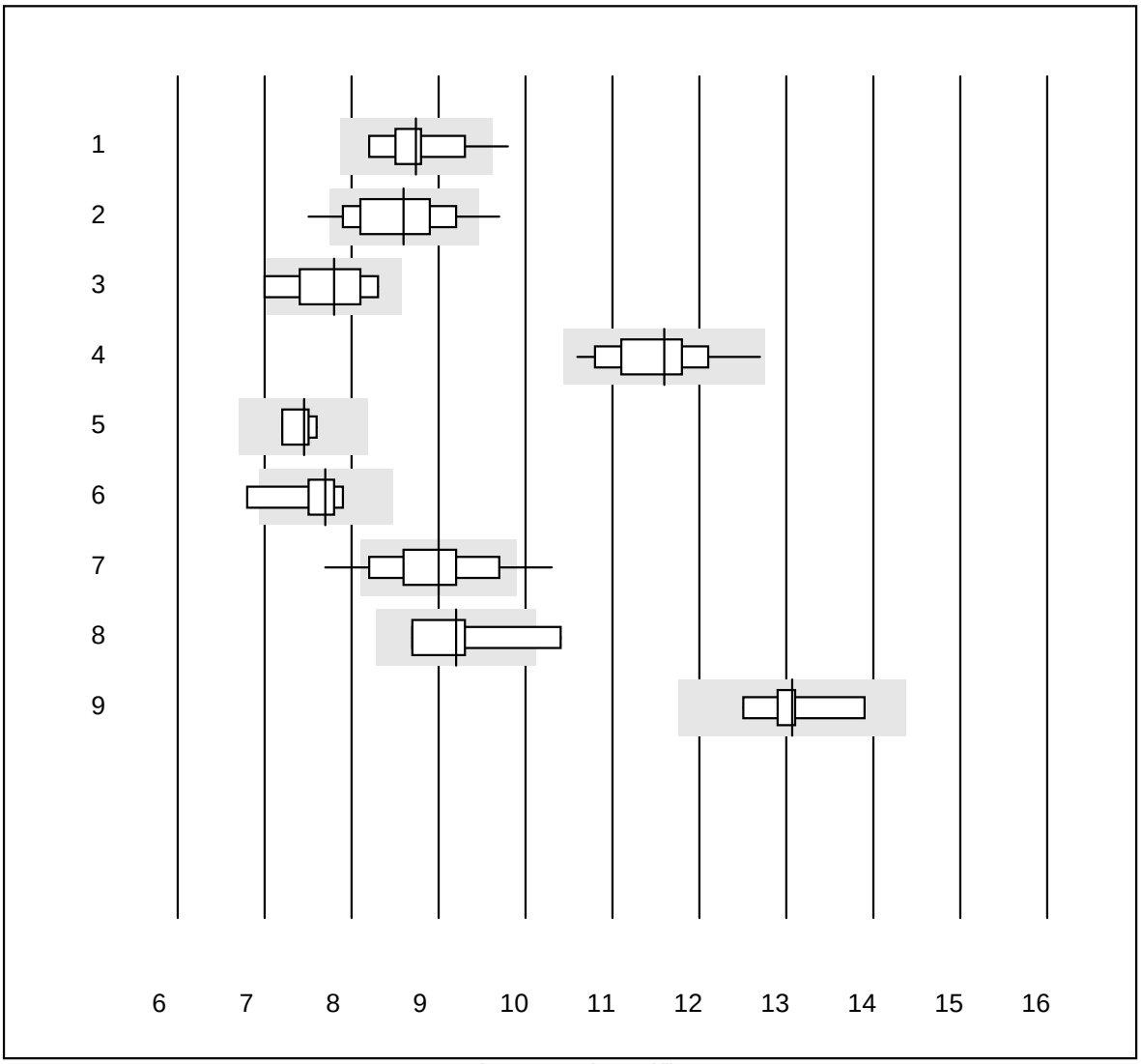
Glucose



QUALAB tolerance : 10 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Accu-Chek Aviva	572	97.2	1.6	1.2	7.8	3.4
2	Accu-Chek Inform 2	49	100.0	0.0	0.0	8.0	2.5
3	Accu-Chek Mobile	5	100.0	0.0	0.0	7.9	3.2
4	Bayer Contour 2 (5s)	355	77.2	6.5	16.3	5.8	5.1
5	Bayer Contour XT/NEX	616	98.7	1.1	0.2	7.4	3.8
6	Bayer Breeze 2	18	94.4	5.6	0.0	12.7	5.8
7	Glucocard	9	100.0	0.0	0.0	10.6	6.1
8	Hemocue (Plasma)	49	96.0	2.0	2.0	8.9	4.0
9	mylife Pura	48	95.8	2.1	2.1	9.0	4.2
10	Hemocue RT	13	92.3	0.0	7.7	8.8	2.1
11	Freestyle Freedom li	12	91.7	0.0	8.3	8.0	3.0
12	Sanofi BG Star	4	100.0	0.0	0.0	9.4	4.4

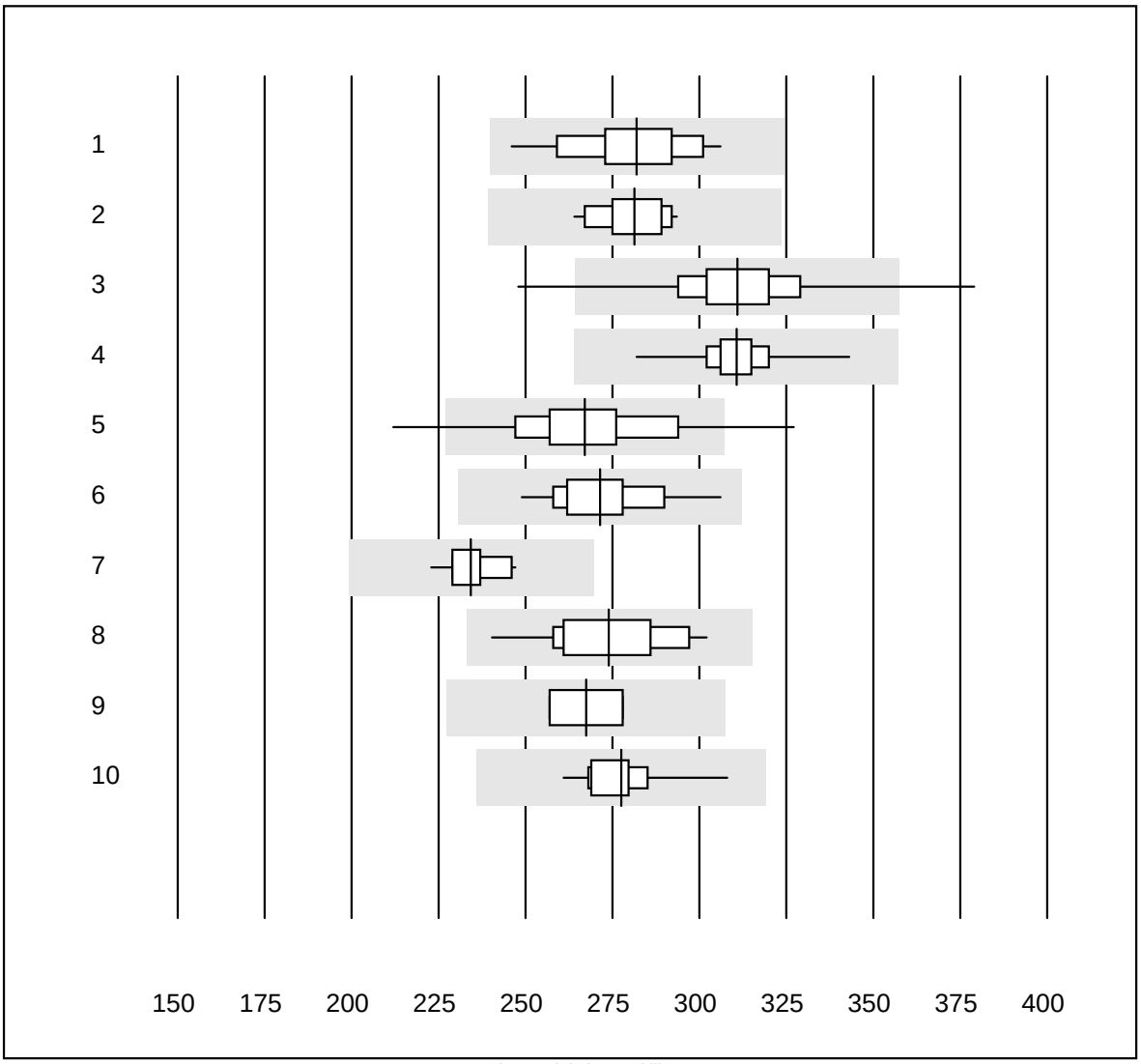
Glucose B



QUALAB tolerance : 10 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Bayer Elite	14	92.9	7.1	0.0	8.7	4.9
2	Hemocue	68	92.7	4.4	2.9	8.6	5.8
3	AccuChek Sensor	7	85.7	14.3	0.0	7.8	5.6
4	OneTouch Ultra	33	90.9	0.0	9.1	11.6	4.3
5	OneTouch Verio	4	100.0	0.0	0.0	7.5	2.3
6	AccuChek Compact	7	85.7	14.3	0.0	7.7	4.9
7	Bayer Contour (15s)	127	68.5	13.4	18.1	9.0	6.3
8	Wellion Smart	4	75.0	25.0	0.0	9.2	7.8
9	Healthpro	9	100.0	0.0	0.0	13.1	2.9

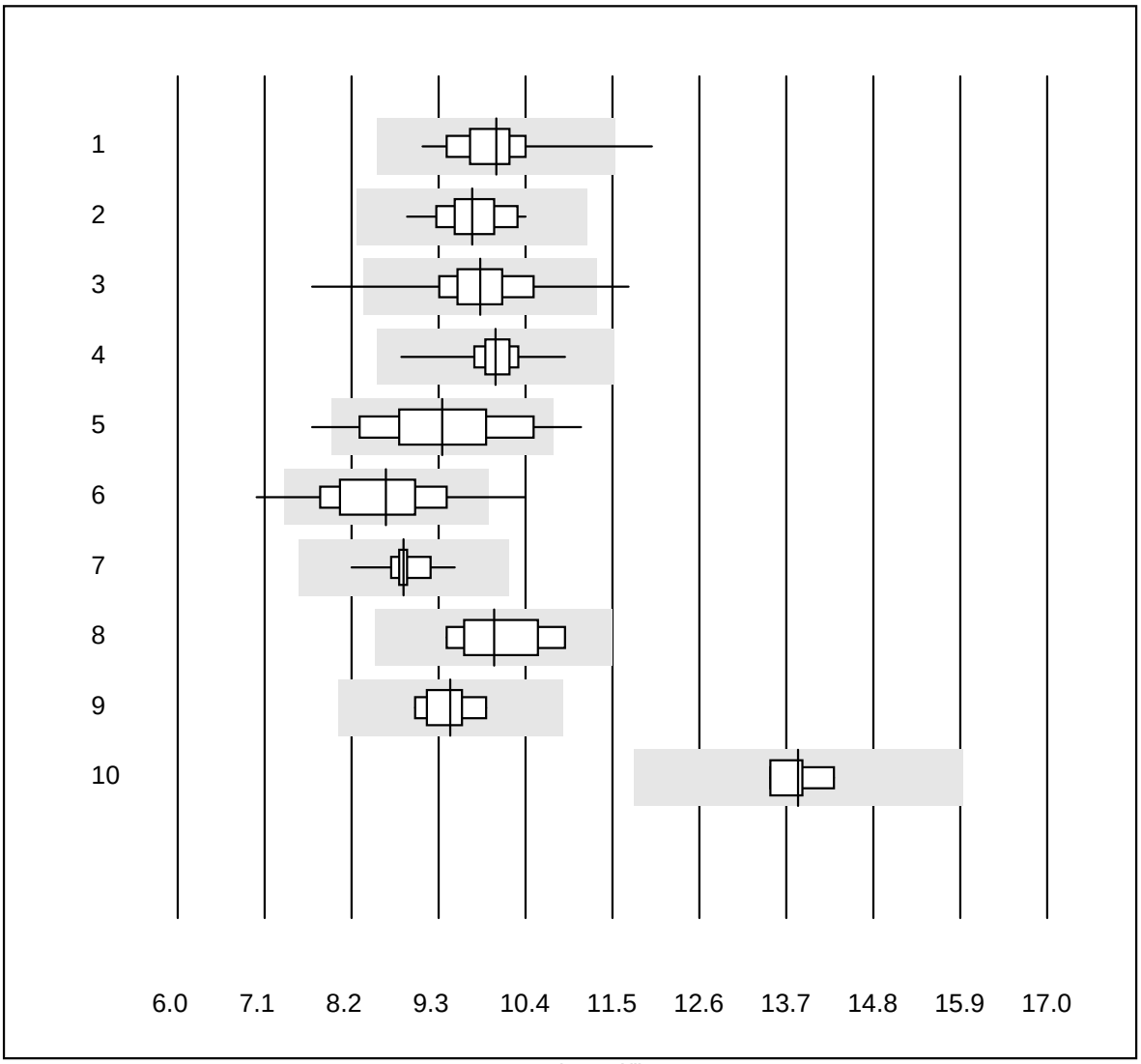
Uric Acid



QUALAB tolerance : 15 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Standard chemistry	18	100.0	0.0	0.0	282	5.7
2	Cobas	15	100.0	0.0	0.0	281	3.2
3	Reflotron	881	98.3	0.3	1.4	311	4.5
4	Fuji Dri-Chem	583	99.8	0.0	0.2	311	2.4
5	Spotchem/Ready	154	93.5	6.5	0.0	267	7.0
6	Spotchem D-Concept	90	98.9	0.0	1.1	271	4.6
7	Piccolo	13	92.3	0.0	7.7	234	2.9
8	Abx Mira	16	100.0	0.0	0.0	274	6.2
9	Lange	4	50.0	0.0	50.0	268	5.6
10	Hitachi S40/M40	11	100.0	0.0	0.0	278	4.4

Urea

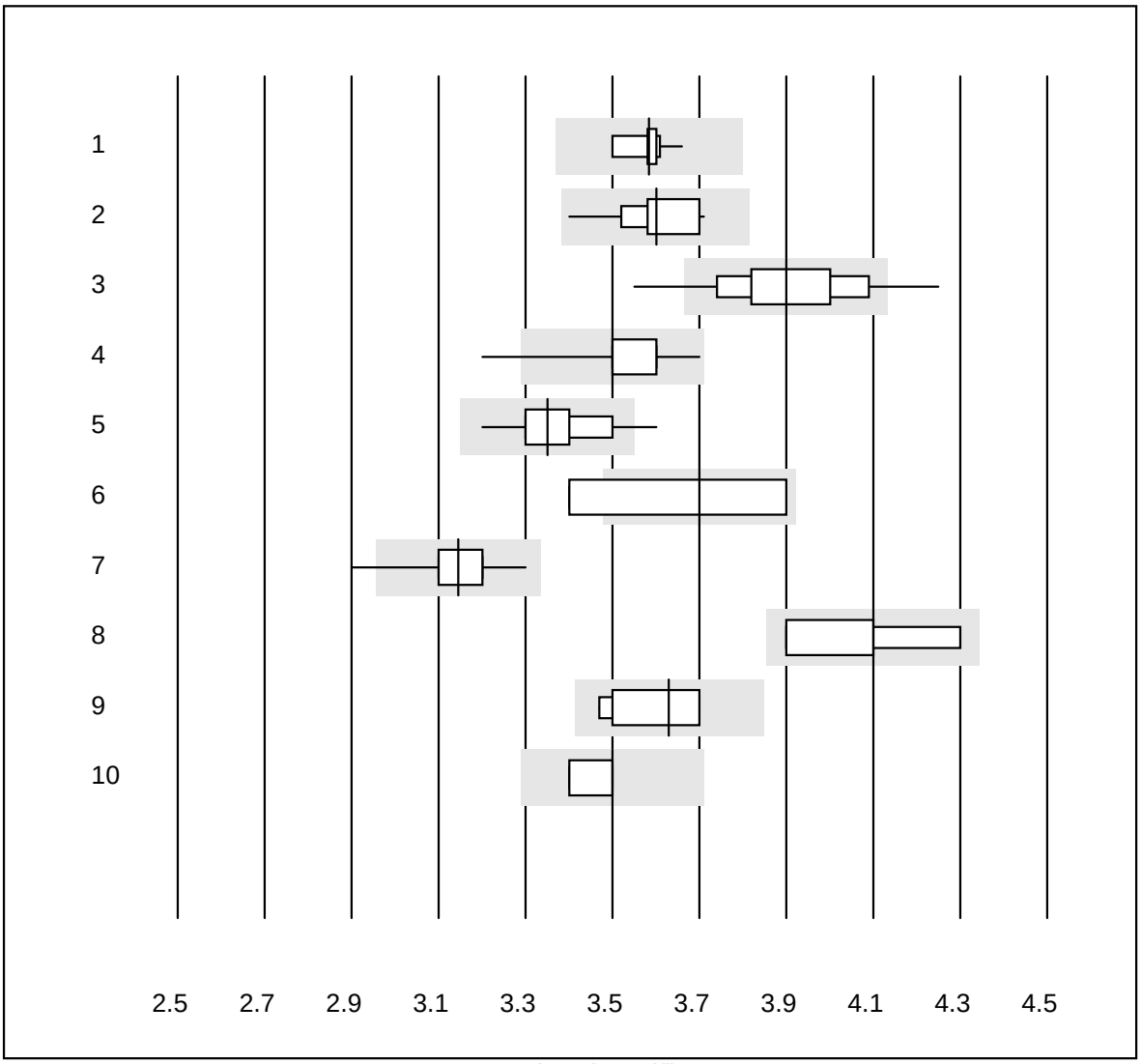


QUALAB tolerance : 15 %

Urea (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Standard chemistry	14	92.9	7.1	0.0	10.0	6.7
2	Cobas	19	100.0	0.0	0.0	9.7	3.9
3	Reflotron	382	97.4	0.5	2.1	9.8	4.9
4	Fuji Dri-Chem	357	100.0	0.0	0.0	10.0	2.4
5	Spotchem/Ready	107	89.8	6.5	3.7	9.4	8.4
6	Spotchem D-Concept	64	85.9	9.4	4.7	8.6	8.4
7	Piccolo	17	94.1	0.0	5.9	8.9	3.0
8	Abx Mira	9	100.0	0.0	0.0	10.0	5.6
9	Hitachi S40/M40	8	100.0	0.0	0.0	9.5	3.0
10	iStat Chem8	4	100.0	0.0	0.0	13.9	2.4

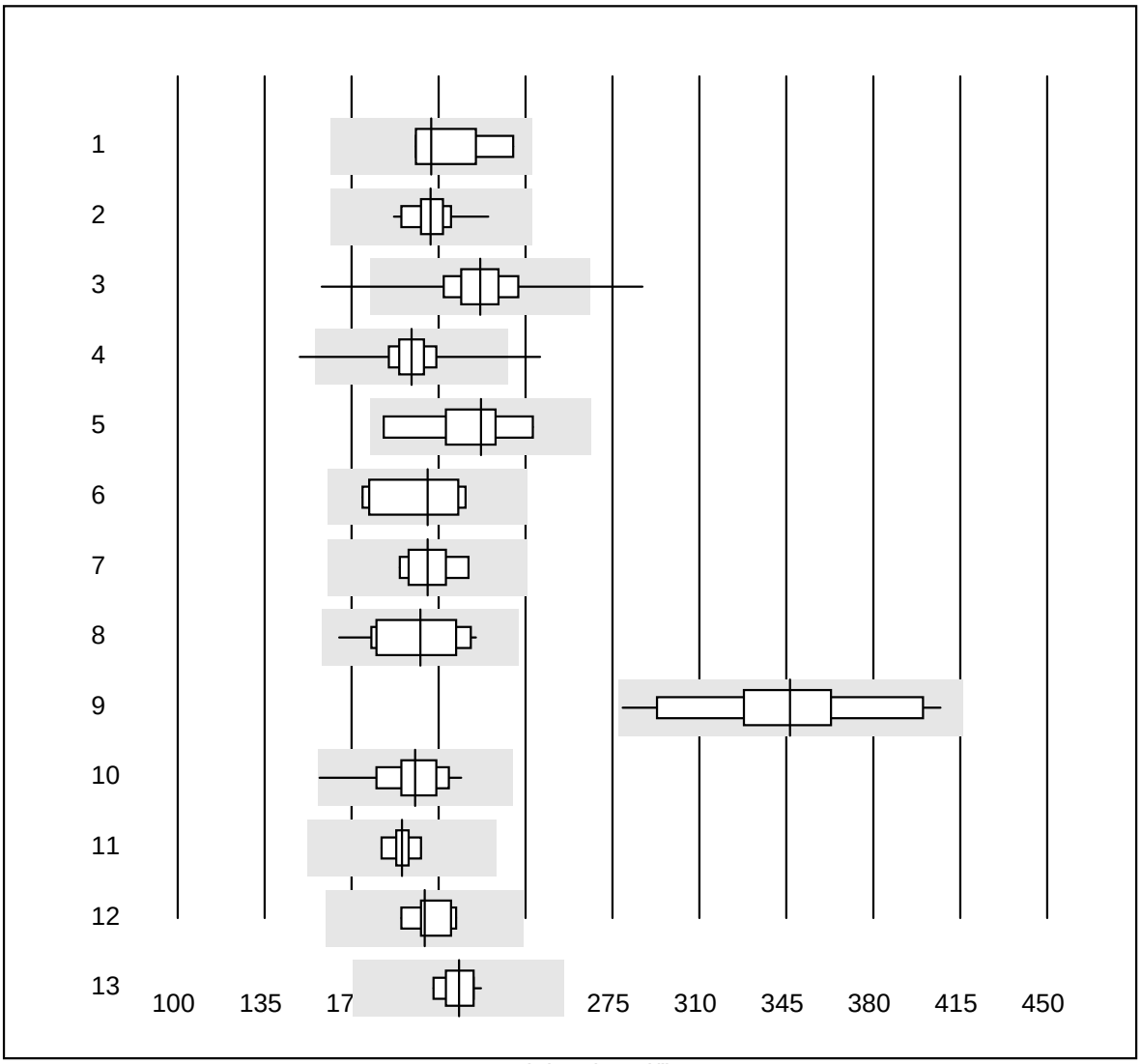
Potassium



QUALAB tolerance : 6 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	ISE	21	90.5	0.0	9.5	3.58	1.2
2	Cobas	20	100.0	0.0	0.0	3.60	2.2
3	Reflotron	907	89.1	8.3	2.6	3.90	3.4
4	Fuji Dri-Chem	613	98.3	1.0	0.7	3.50	2.0
5	Spotchem D-Concept	91	97.8	1.1	1.1	3.35	2.3
6	Vitros/Ektachem	6	66.7	33.3	0.0	3.70	6.4
7	Spotchem EL-SE 1520	127	95.2	2.4	2.4	3.15	2.6
8	Piccolo	9	88.9	0.0	11.1	4.10	3.2
9	Abx Mira	6	100.0	0.0	0.0	3.63	3.0
10	iStat Chem8	4	100.0	0.0	0.0	3.50	1.4

Creatinine

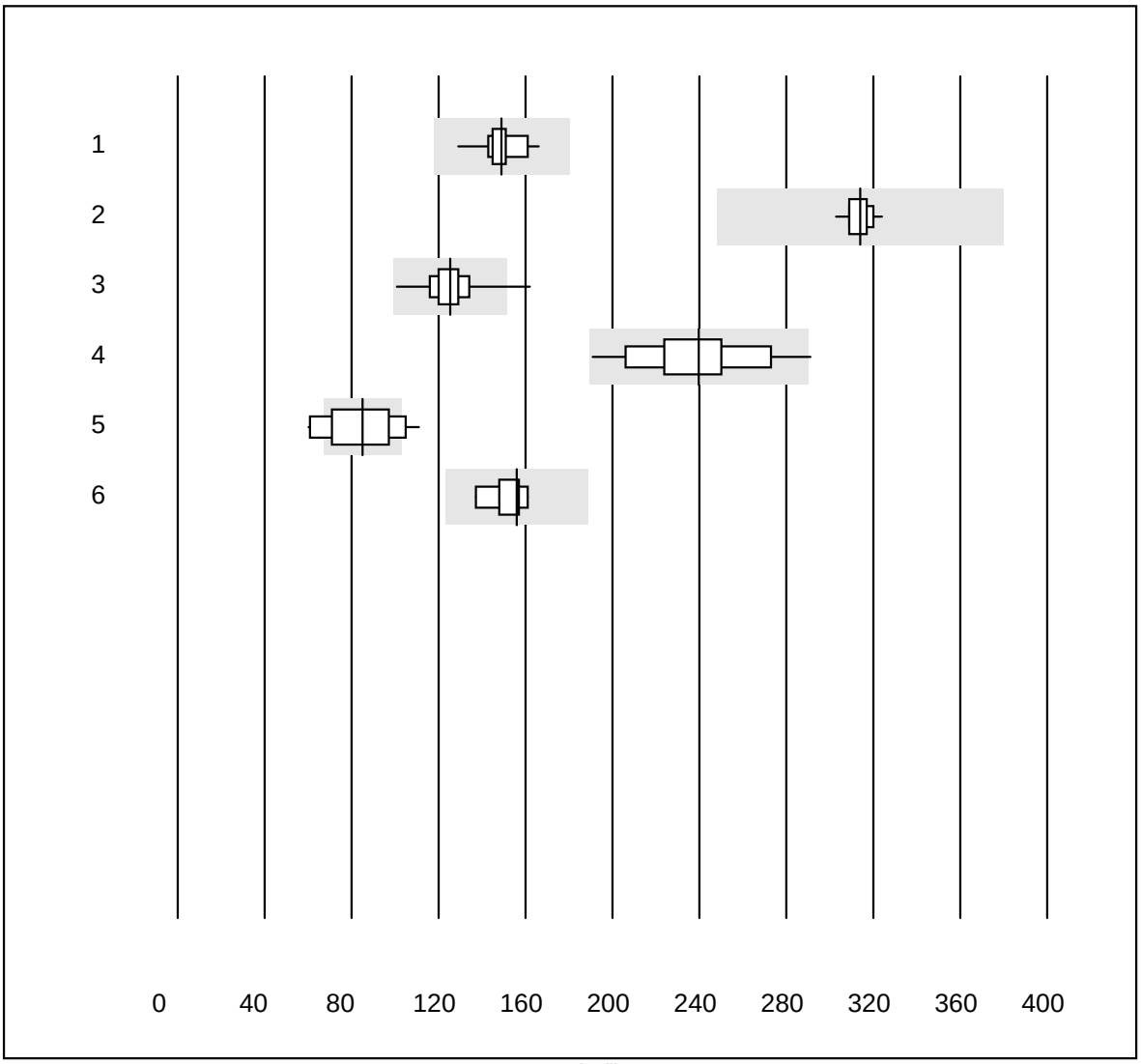


QUALAB tolerance : 20 %

Creatinine (umol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Standard chemistry	7	100.0	0.0	0.0	202	7.2
2	Cobas	21	100.0	0.0	0.0	202	4.5
3	Reflotron	1092	98.4	0.8	0.8	222	5.8
4	Fuji Dri-Chem	649	99.1	0.9	0.0	194	4.7
5	Vitros/Ektachem	6	100.0	0.0	0.0	222	9.4
6	Jaffé	8	100.0	0.0	0.0	201	8.2
7	Enzymatic	6	100.0	0.0	0.0	201	5.1
8	Piccolo	15	100.0	0.0	0.0	198	8.6
9	Statsensor i / Nova	20	85.0	0.0	15.0	347	10.0
10	Abx Mira	18	100.0	0.0	0.0	196	6.6
11	Hitachi S40/M40	10	90.0	0.0	10.0	190	2.4
12	iStat Chem8	6	100.0	0.0	0.0	200	4.1
13	ABL700/800 Radiomete	10	100.0	0.0	0.0	213	3.0

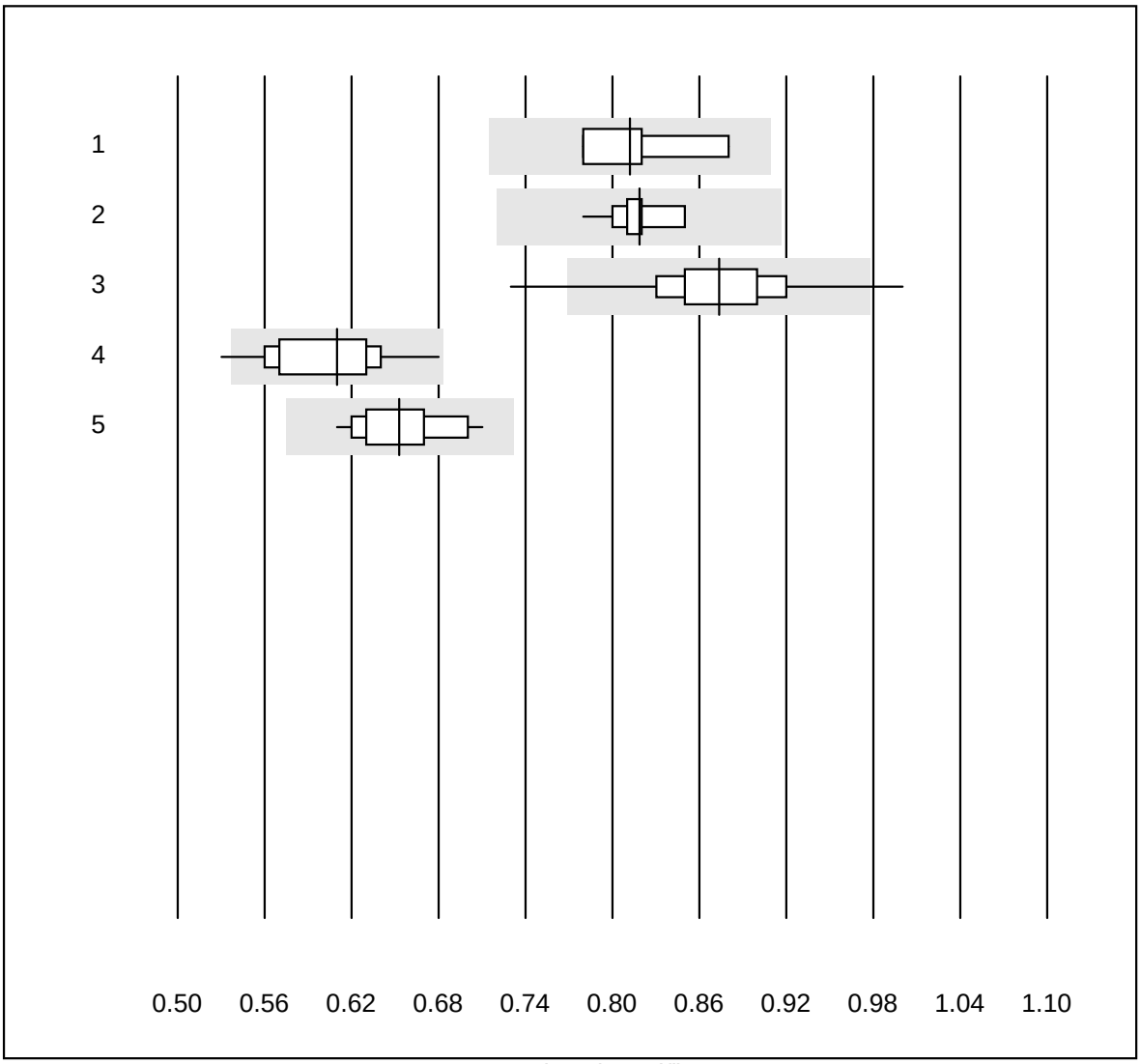
LDH



QUALAB tolerance : 21 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	IFCC	17	100.0	0.0	0.0	149	5.4
2	Cobas	11	100.0	0.0	0.0	314	1.8
3	Fuji Dri-Chem	138	97.9	0.7	1.4	125	6.0
4	Spotchem/Ready	46	97.8	2.2	0.0	240	9.4
5	Spotchem D-Concept	29	62.1	24.1	13.8	85	18.6
6	Abx Mira	9	100.0	0.0	0.0	156	5.2

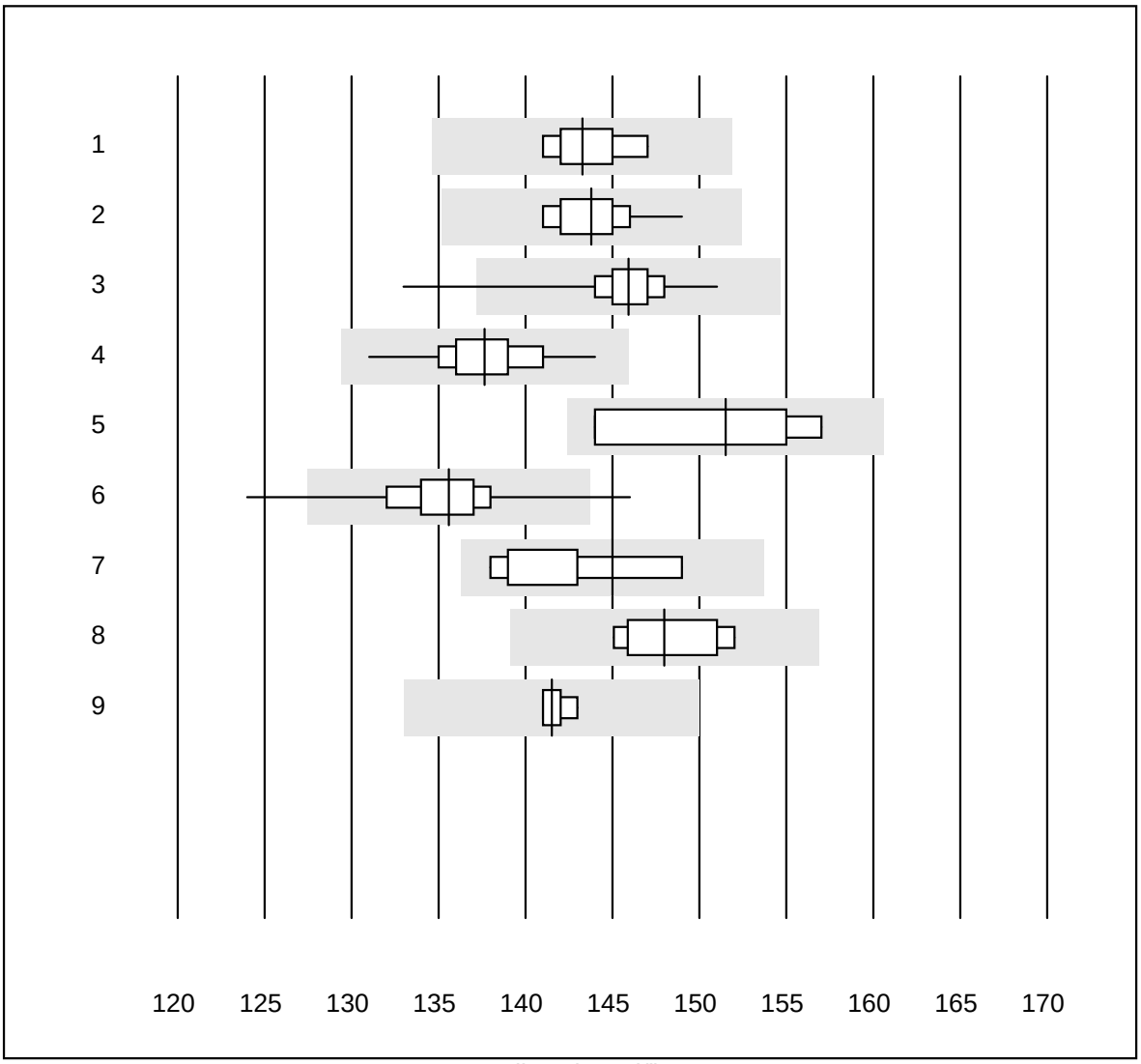
Magnesium



QUALAB tolerance : 12 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Standard chemistry	10	90.0	0.0	10.0	0.81	3.9
2	Cobas	13	100.0	0.0	0.0	0.82	2.3
3	Fuji Dri-Chem	104	96.2	1.9	1.9	0.87	4.2
4	Spotchem D-Concept	20	95.0	5.0	0.0	0.61	6.0
5	Spotchem/Ready	21	100.0	0.0	0.0	0.65	4.2

Sodium

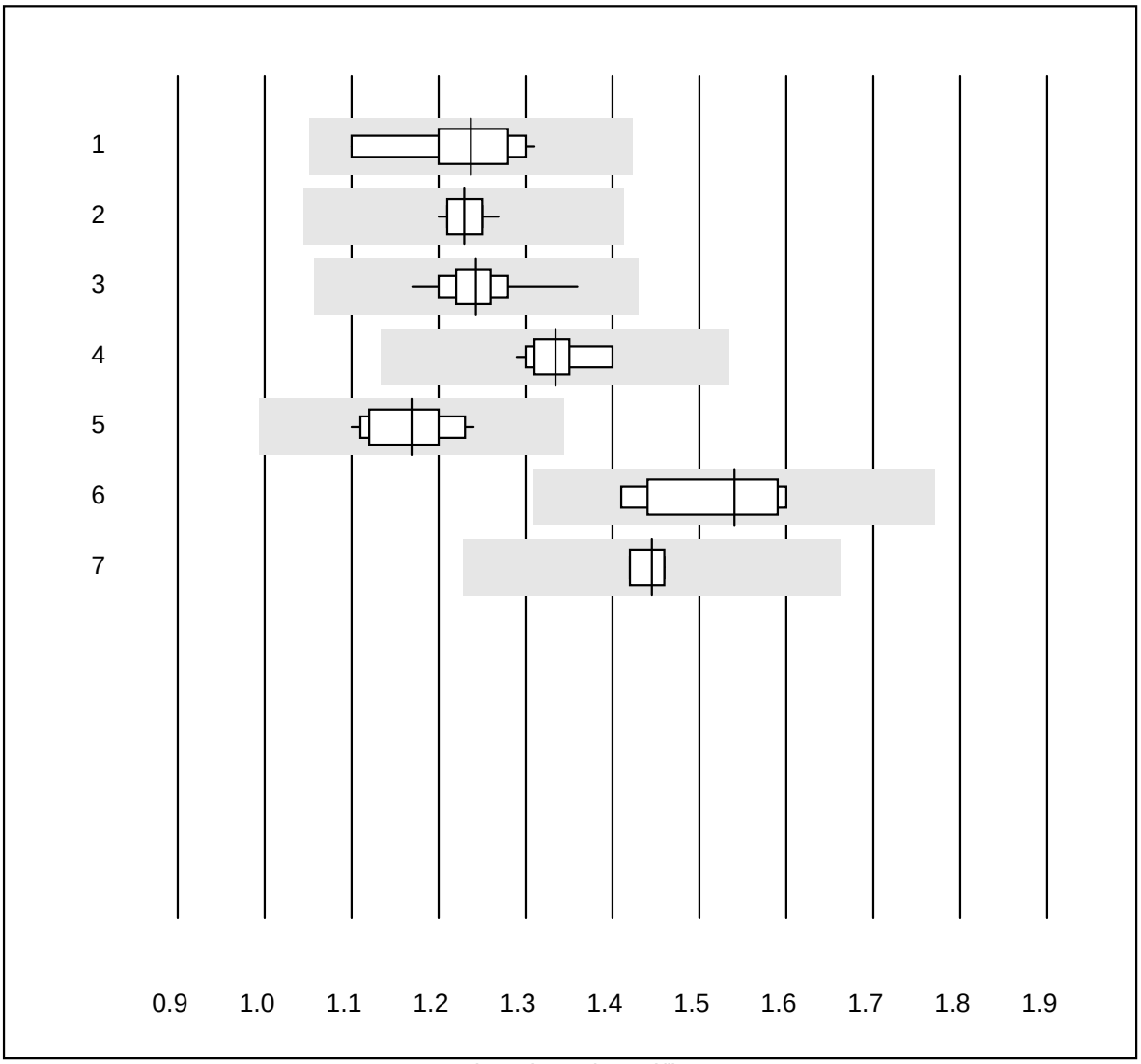


QUALAB tolerance : 6 %

Sodium (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	ISE	19	100.0	0.0	0.0	143	1.4
2	Cobas	20	100.0	0.0	0.0	144	1.6
3	Fuji Dri-Chem	565	98.1	1.4	0.5	146	1.4
4	Spotchem D-Concept	86	100.0	0.0	0.0	138	1.8
5	Vitros/Ektachem	4	100.0	0.0	0.0	152	4.0
6	Spotchem EL-SE 1520	127	96.9	3.1	0.0	136	2.2
7	Piccolo	9	100.0	0.0	0.0	145	2.6
8	Abx Mira	6	100.0	0.0	0.0	148	1.8
9	iStat Chem8	4	100.0	0.0	0.0	142	0.7

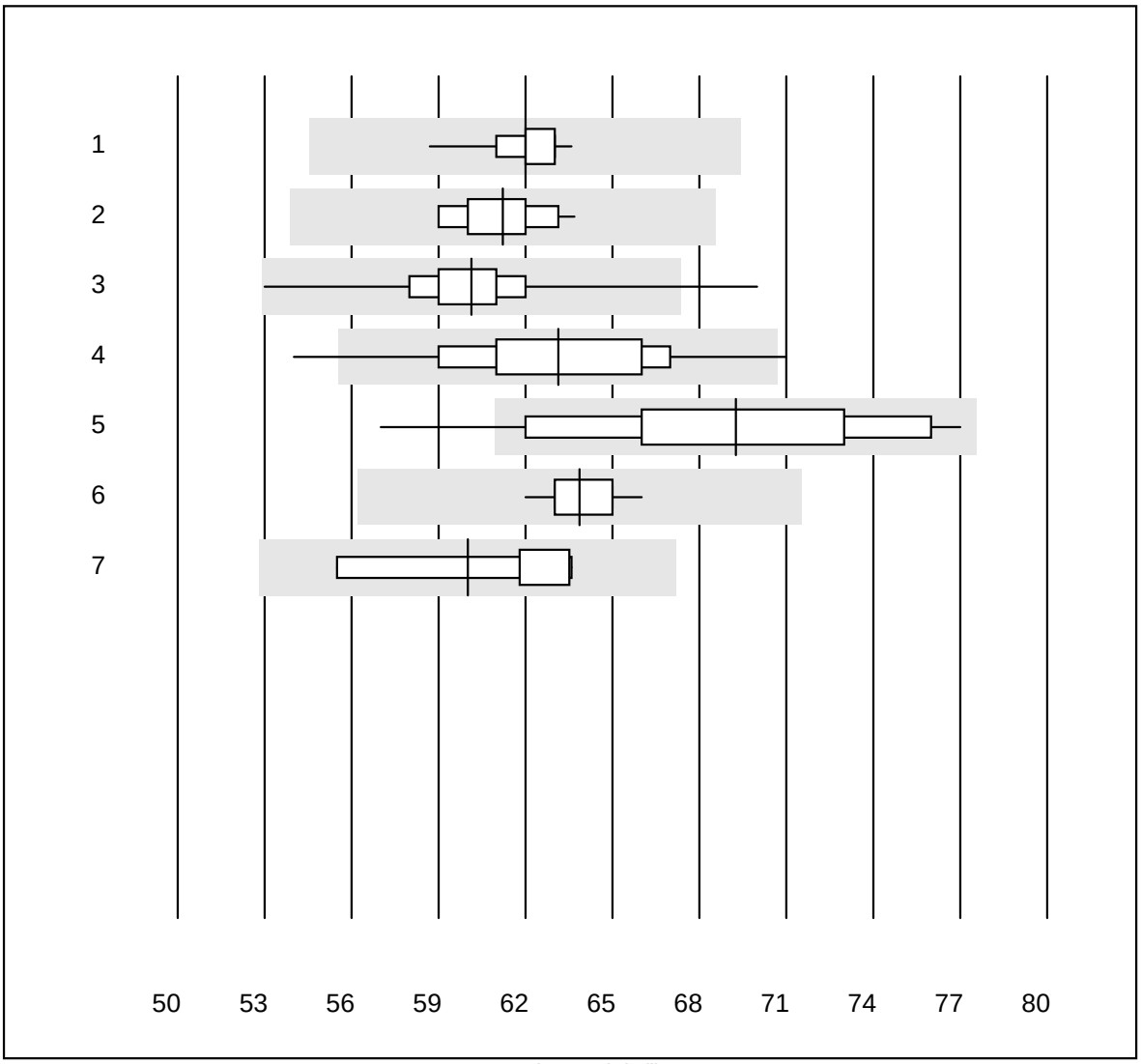
Phosphate



QUALAB tolerance : 15 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Standard chemistry	10	100.0	0.0	0.0	1.2	5.2
2	Cobas	13	100.0	0.0	0.0	1.2	1.7
3	Fuji Dri-Chem	70	100.0	0.0	0.0	1.2	2.9
4	Spotchem D-Concept	13	100.0	0.0	0.0	1.3	2.6
5	Spotchem/Ready	12	100.0	0.0	0.0	1.2	4.2
6	Piccolo	5	100.0	0.0	0.0	1.5	5.7
7	Abx Mira	4	100.0	0.0	0.0	1.4	1.4

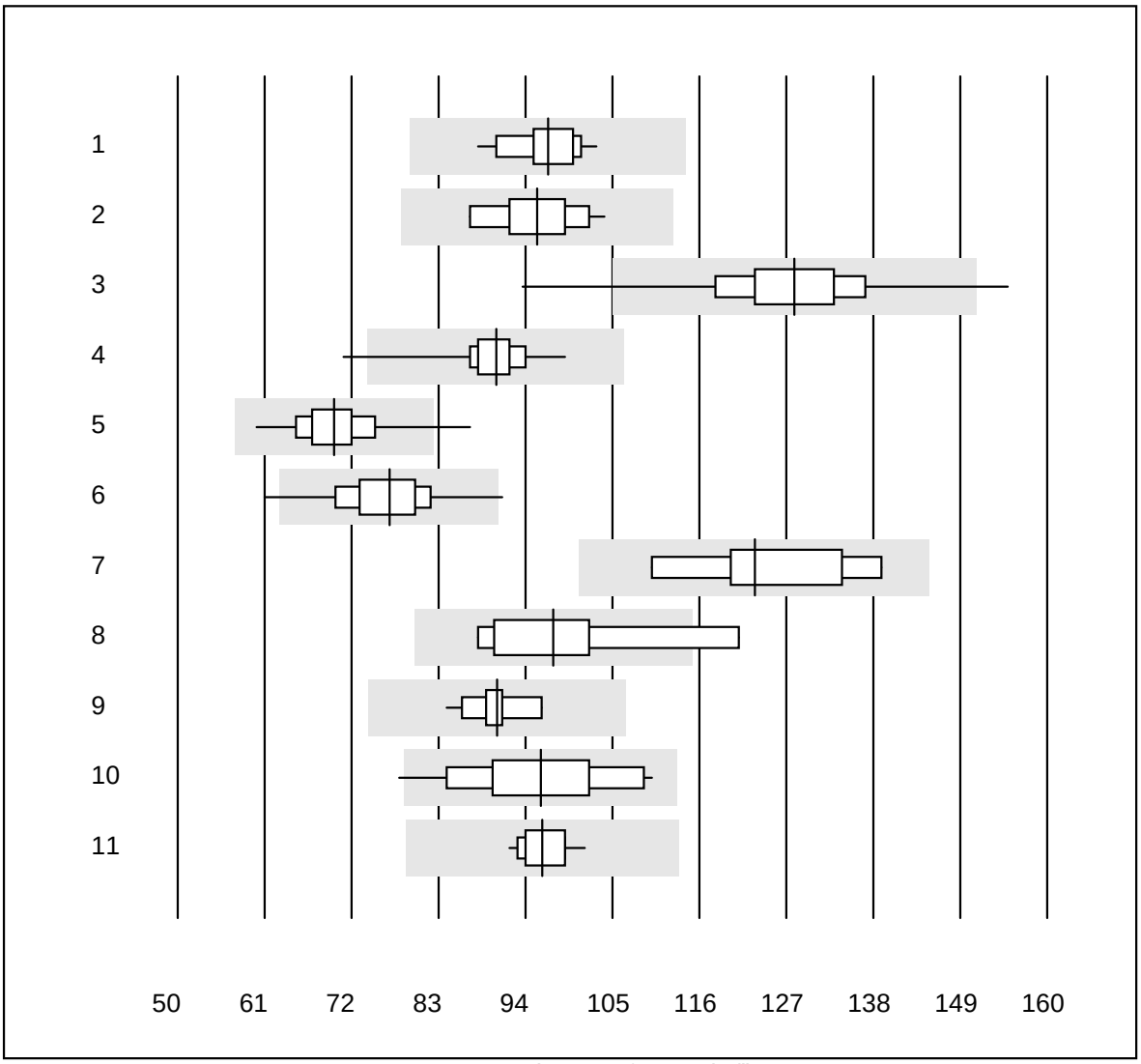
Protein total



QUALAB tolerance : 12 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Standard chemistry	13	100.0	0.0	0.0	62.0	2.0
2	Cobas	15	100.0	0.0	0.0	61.2	2.5
3	Fuji Dri-Chem	155	98.8	0.6	0.6	60.1	3.3
4	Spotchem/Ready	58	94.9	3.4	1.7	63.1	5.2
5	Spotchem D-Concept	43	90.6	4.7	4.7	69.3	7.6
6	Piccolo	14	100.0	0.0	0.0	63.9	1.7
7	Abx Mira	6	100.0	0.0	0.0	60.0	5.0

Aspartate aminotransferase

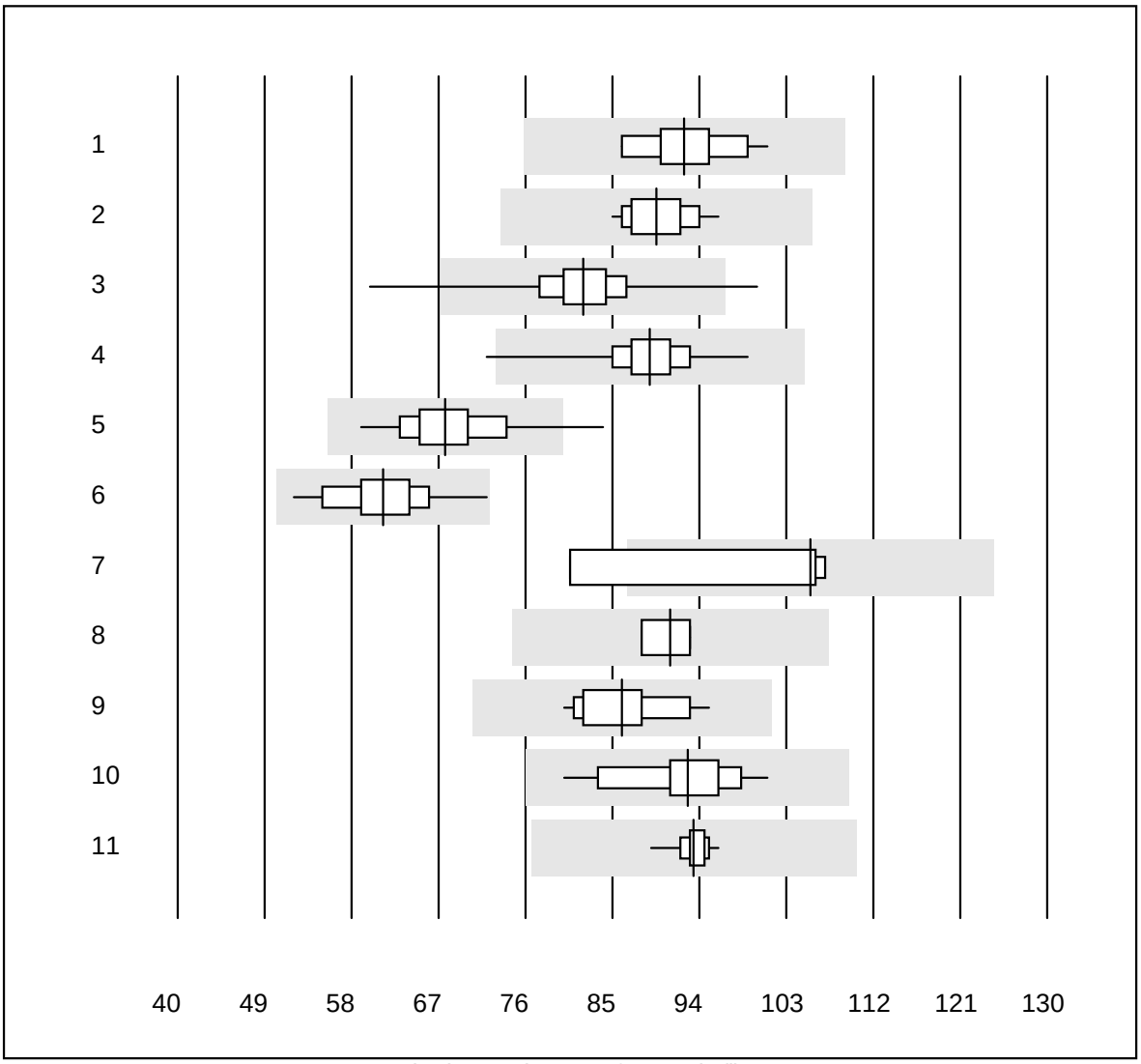


QUALAB tolerance : 18 %

Aspartate aminotransferase (U/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	IFCC with Pyridox 37	13	100.0	0.0	0.0	97	4.7
2	Cobas	20	100.0	0.0	0.0	96	5.2
3	Reflotron	1012	98.2	1.1	0.7	128	6.4
4	Fuji Dri-Chem	625	99.6	0.2	0.2	90	3.4
5	Spotchem/Ready	189	96.8	1.1	2.1	70	5.7
6	Spotchem D-Concept	96	96.9	3.1	0.0	77	6.8
7	Vitros/Ektachem	5	100.0	0.0	0.0	123	9.2
8	IFCC with Pyridox 37	6	83.3	16.7	0.0	98	12.0
9	Piccolo	16	100.0	0.0	0.0	90	3.3
10	Abx Mira	18	94.4	5.6	0.0	96	9.0
11	Hitachi S40/M40	12	91.7	0.0	8.3	96	2.9

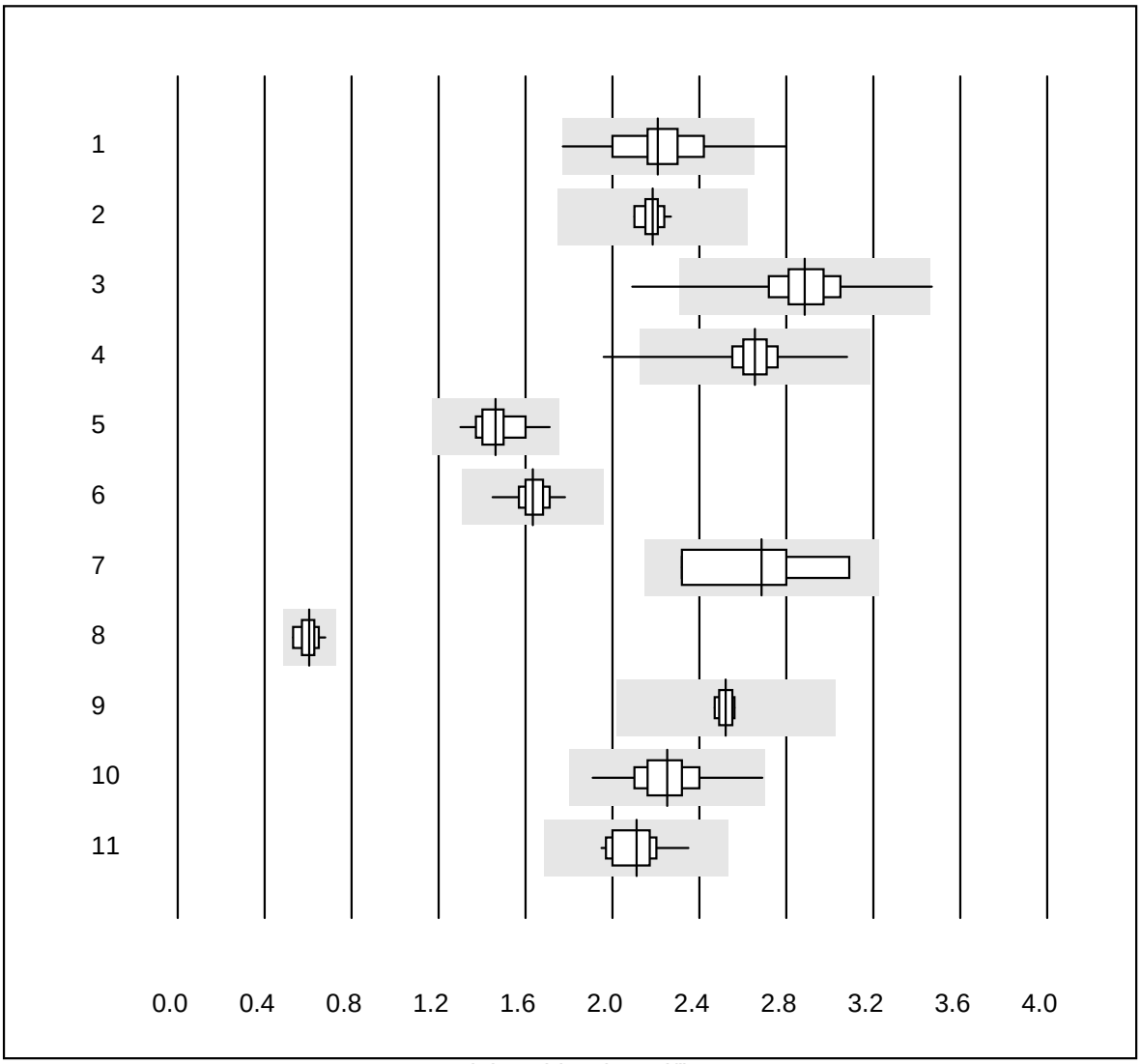
Alanine aminotransferase



QUALAB tolerance : 18 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	IFCC with Pyridox 37	14	100.0	0.0	0.0	92	5.0
2	Cobas	21	100.0	0.0	0.0	90	3.8
3	Reflotron	1042	98.0	1.2	0.8	82	5.2
4	Fuji Dri-Chem	636	99.3	0.2	0.5	89	3.5
5	Spotchem/Ready	190	97.9	2.1	0.0	68	6.8
6	Spotchem D-Concept	99	99.0	0.0	1.0	61	7.1
7	Vitros/Ektachem	4	75.0	25.0	0.0	106	12.8
8	IFCC with Pyridox 37	4	100.0	0.0	0.0	91	2.9
9	Piccolo	17	94.1	0.0	5.9	86	4.7
10	Abx Mira	18	100.0	0.0	0.0	93	5.5
11	Hitachi S40/M40	12	91.7	0.0	8.3	93	2.0

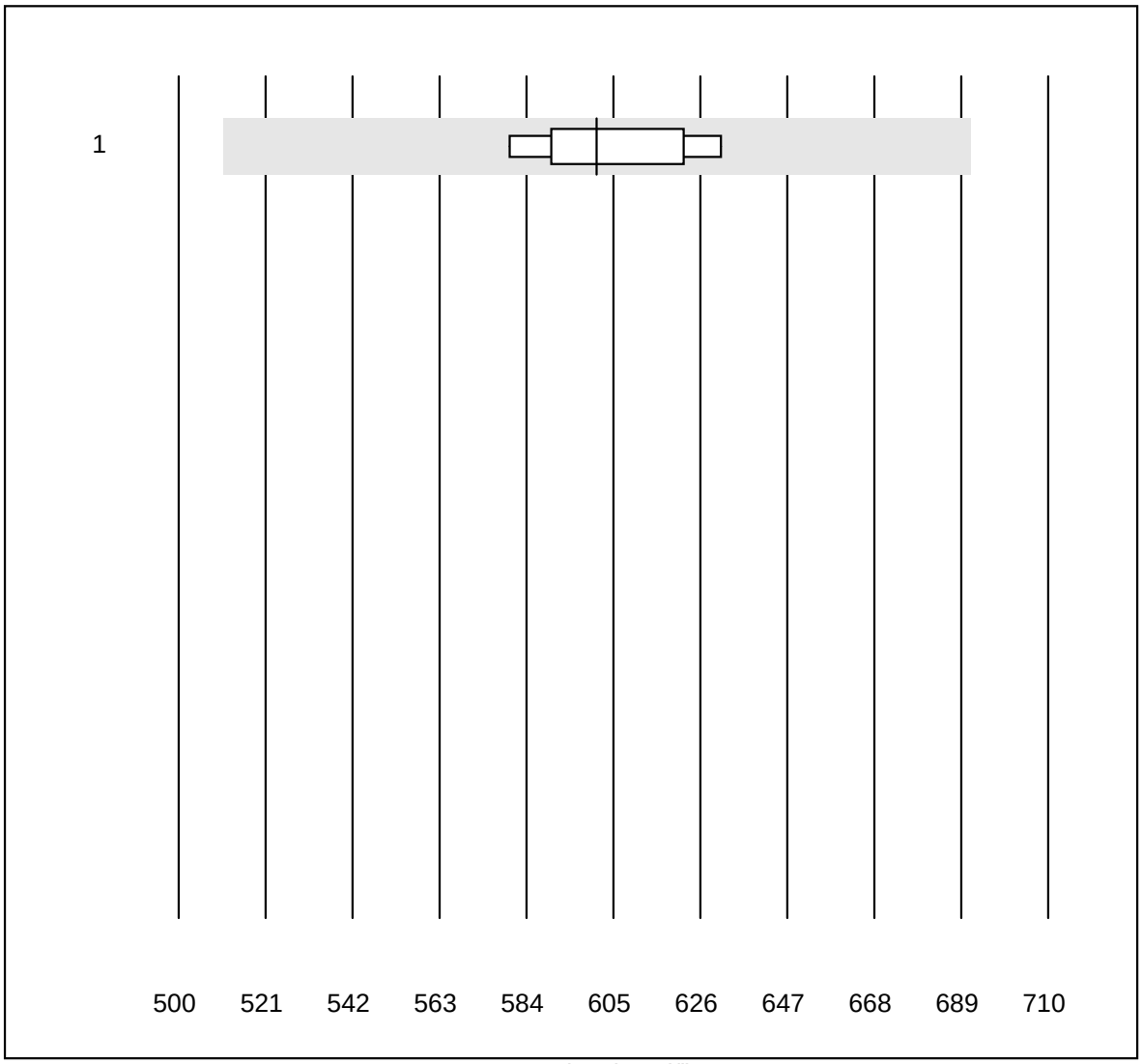
Triglycerides



QUALAB tolerance : 20 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Standard chemistry	21	90.4	4.8	4.8	2.21	9.1
2	Cobas	20	100.0	0.0	0.0	2.19	2.3
3	Reflotron	857	98.5	0.6	0.9	2.88	5.0
4	Fuji Dri-Chem	583	99.5	0.3	0.2	2.65	3.8
5	Spotchem/Ready	166	100.0	0.0	0.0	1.46	6.0
6	Spotchem D-Concept	93	100.0	0.0	0.0	1.63	3.8
7	Vitros/Ektachem	4	100.0	0.0	0.0	2.69	12.2
8	Hitachi S40/M40	10	100.0	0.0	0.0	0.60	7.5
9	Piccolo	10	100.0	0.0	0.0	2.52	1.3
10	Cholestech LDX	197	100.0	0.0	0.0	2.25	5.5
11	Abx Mira	15	100.0	0.0	0.0	2.11	4.9

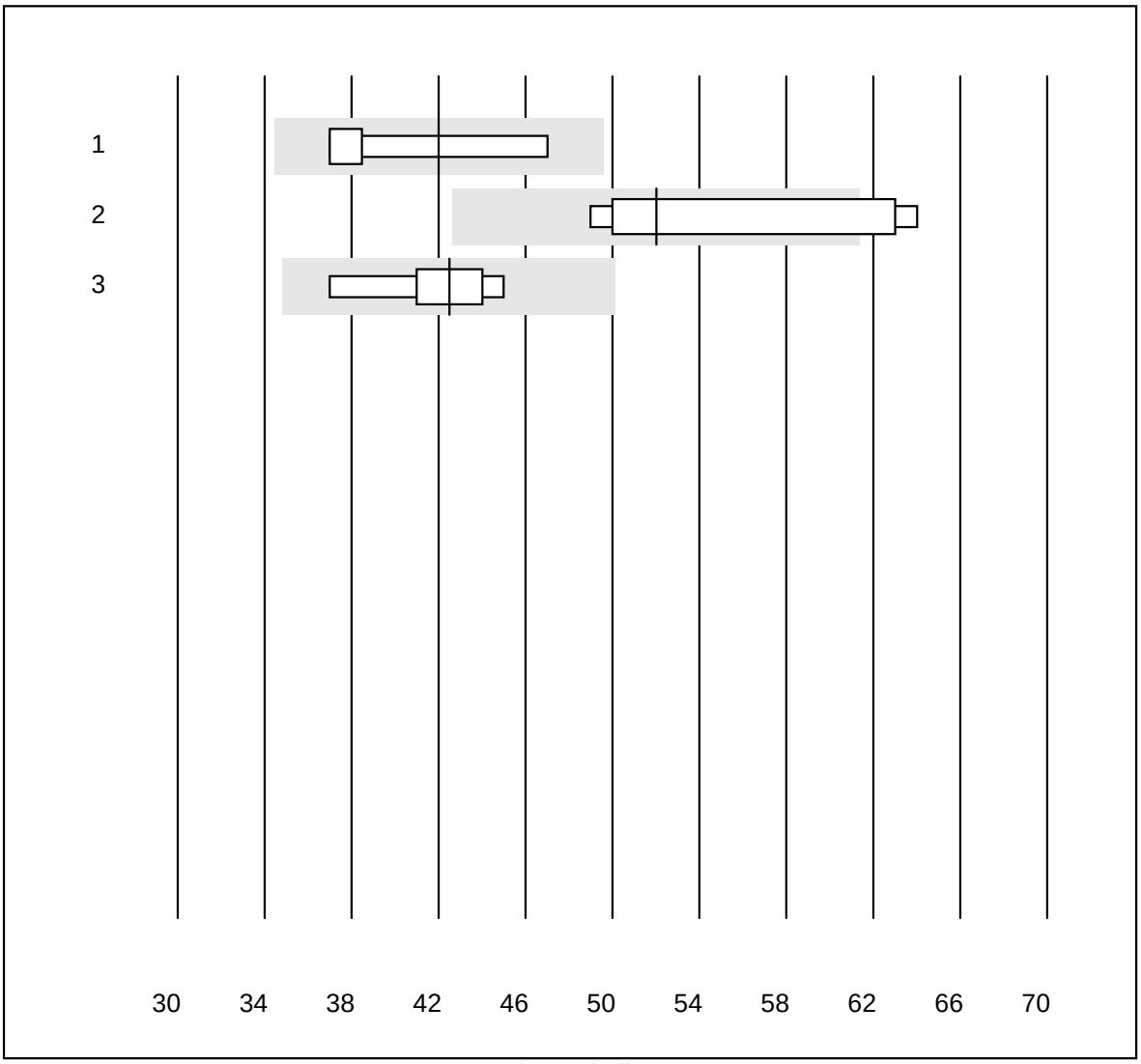
Fructosamine



QUALAB tolerance : 15 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Spotchem/Ready	5	100.0	0.0	0.0	601	3.5

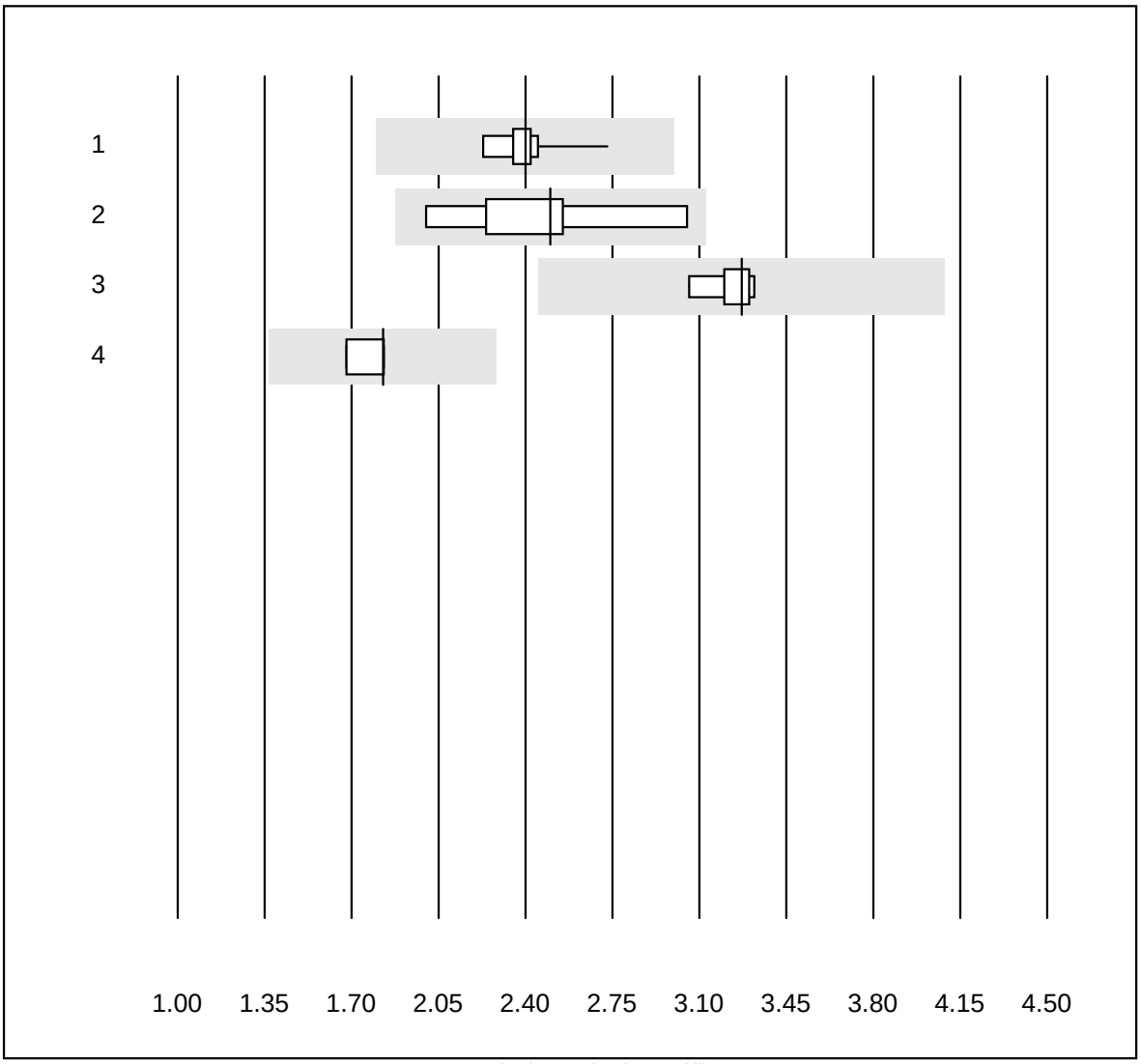
Lipase



QUALAB tolerance : 18 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Abx Mira	4	100.0	0.0	0.0	42.0	12.0
2	Beckman/Olympus	5	60.0	40.0	0.0	52.0	13.1
3	Standard chemistry	8	100.0	0.0	0.0	42.5	6.2

LDL Cholesterin

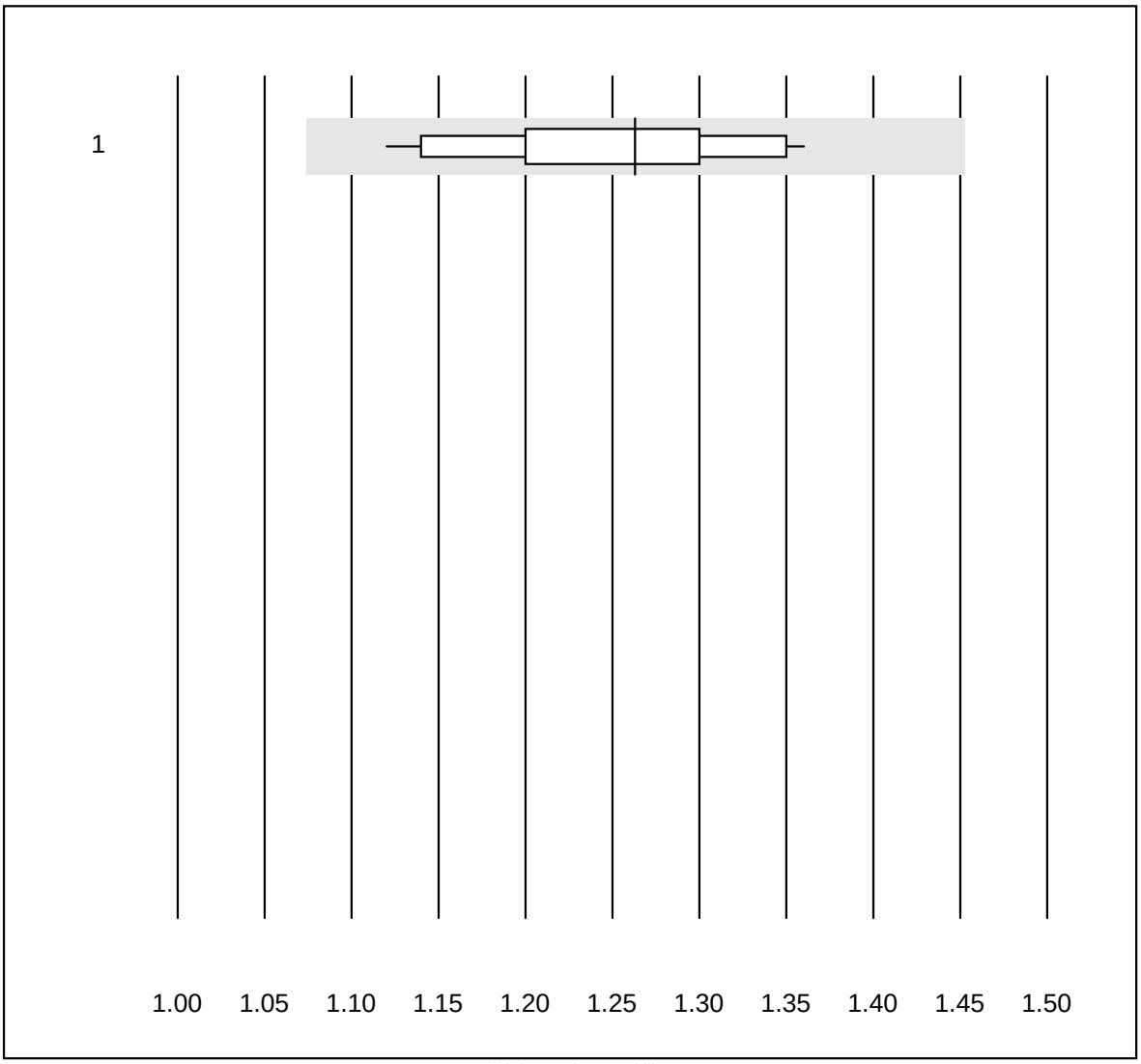


QUALAB tolerance : 25 %

LDL Cholesterin (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Abx Mira	10	100.0	0.0	0.0	2.4	5.6
2	Standard chemistry	5	100.0	0.0	0.0	2.5	15.9
3	Roche, Cobas	5	100.0	0.0	0.0	3.3	3.3
4	Hitachi S40/M40	4	100.0	0.0	0.0	1.8	4.1

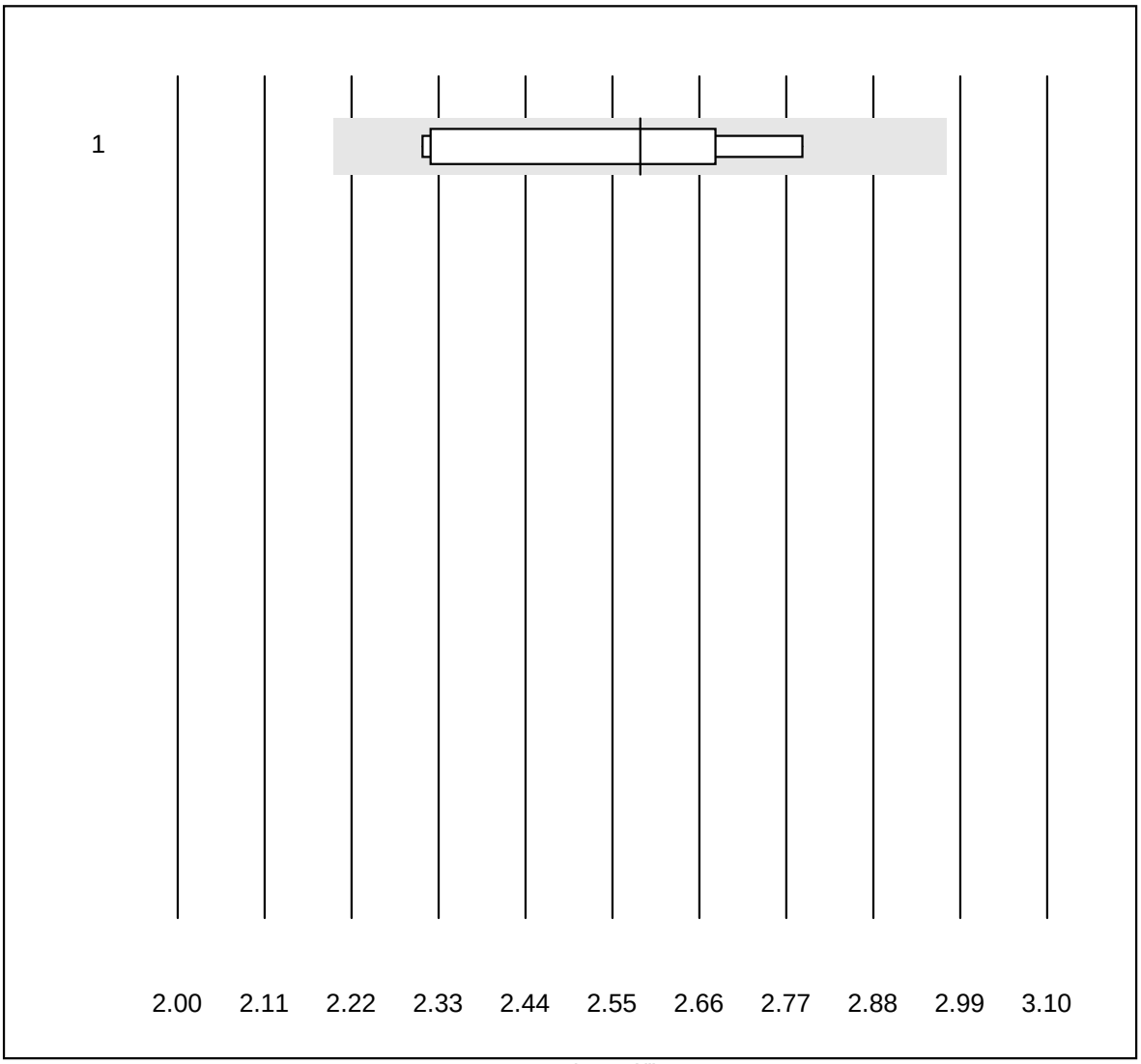
Lithium



QUALAB tolerance : 15 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	all Participants	12	100.0	0.0	0.0	1.26	6.2

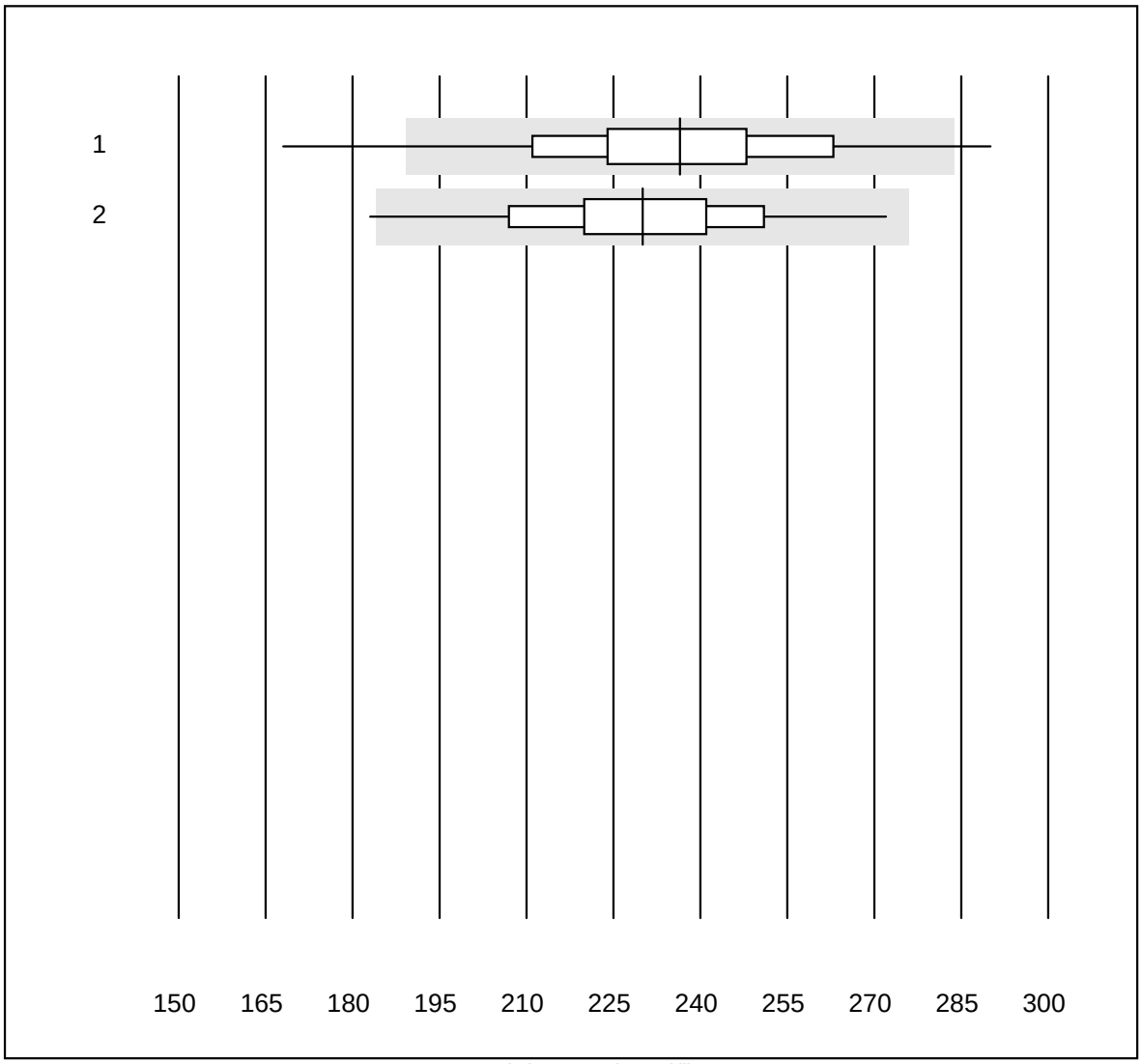
Lactate



QUALAB tolerance : 15 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	all Participants	8	87.5	0.0	12.5	2.59	7.3

Creatinine SP

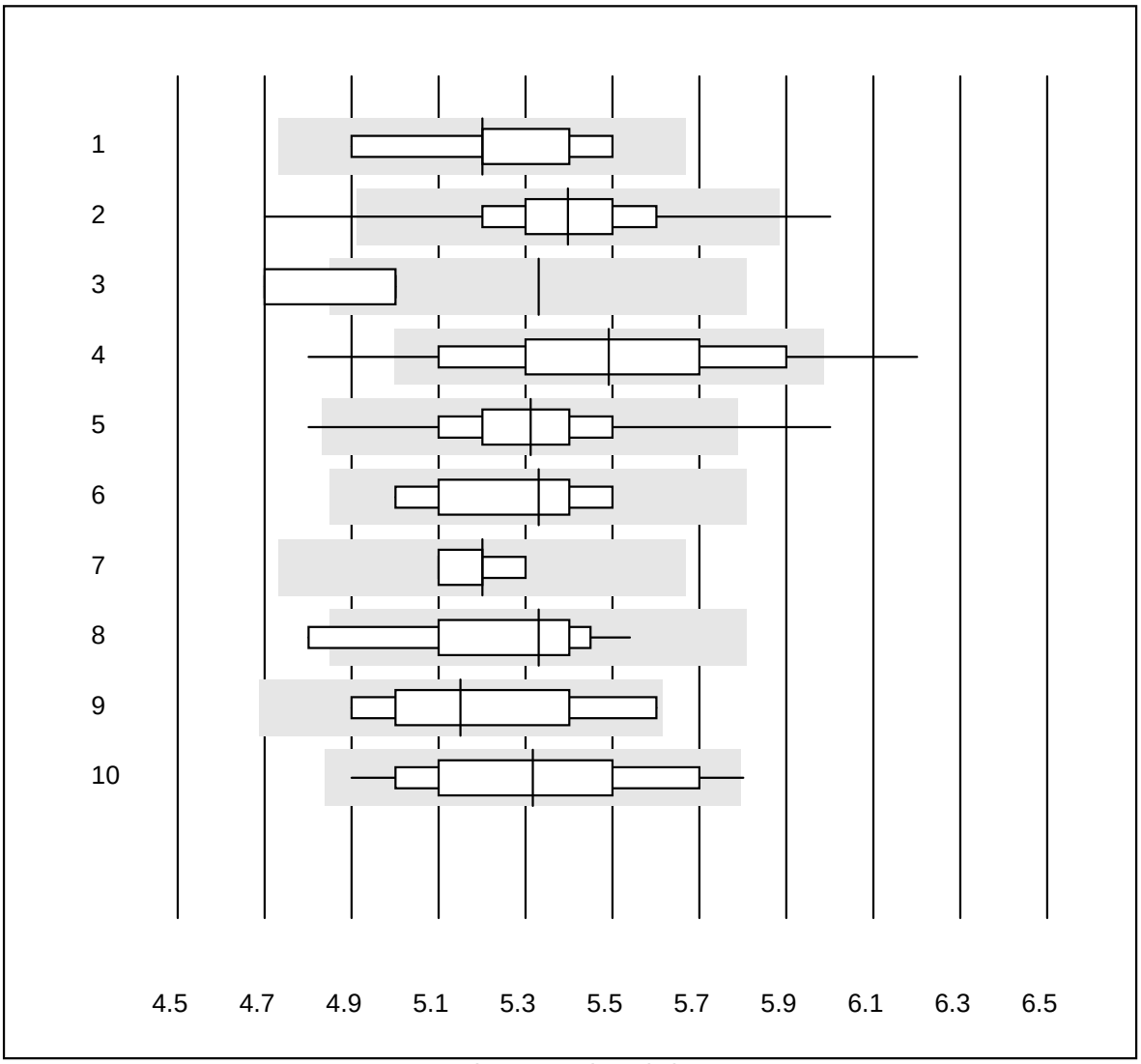


QUALAB tolerance : 20 %

Creatinine SP (umol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Spotchem/Ready	188	95.2	2.7	2.1	237	8.6
2	Spotchem D-Concept	97	98.0	1.0	1.0	230	7.5

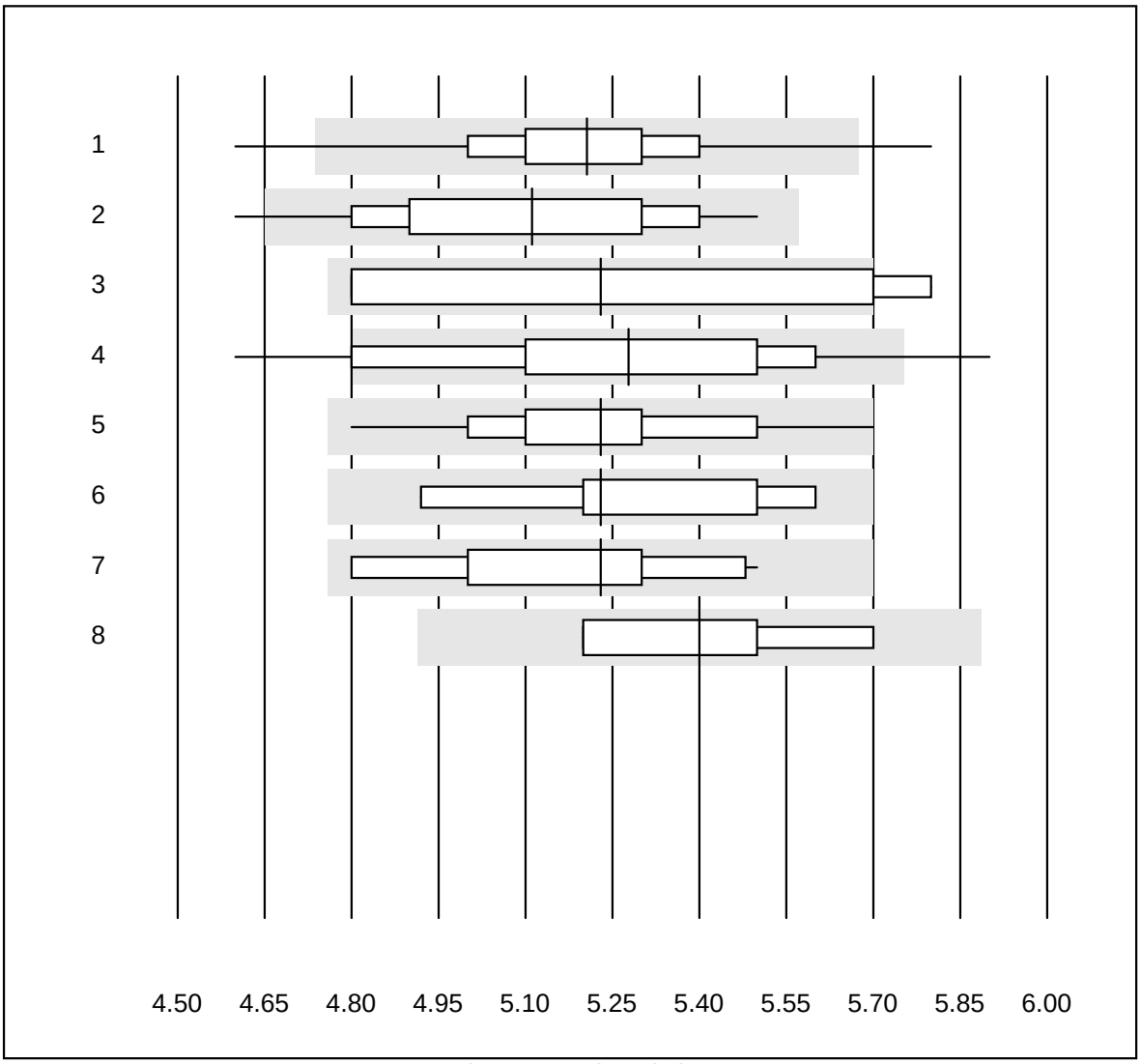
HbA1c ample A



QUALAB tolerance : 9 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Cobas b101	6	100.0	0.0	0.0	5.2	3.9
2	Afinion	541	97.2	2.2	0.6	5.4	3.1
3	Hemocue HbA1c 501	4	25.0	50.0	25.0	5.3	3.2
4	NycoCard	183	85.2	7.7	7.1	5.5	5.2
5	DCA2000/Vantage	207	95.6	3.9	0.5	5.3	3.6
6	Others	8	87.5	0.0	12.5	5.3	3.5
7	HPLC	5	80.0	0.0	20.0	5.2	1.6
8	Roche, Cobas	21	81.0	9.5	9.5	5.3	4.1
9	Hitado Super D	6	100.0	0.0	0.0	5.2	5.0
10	A1c Now	27	92.6	3.7	3.7	5.3	4.6

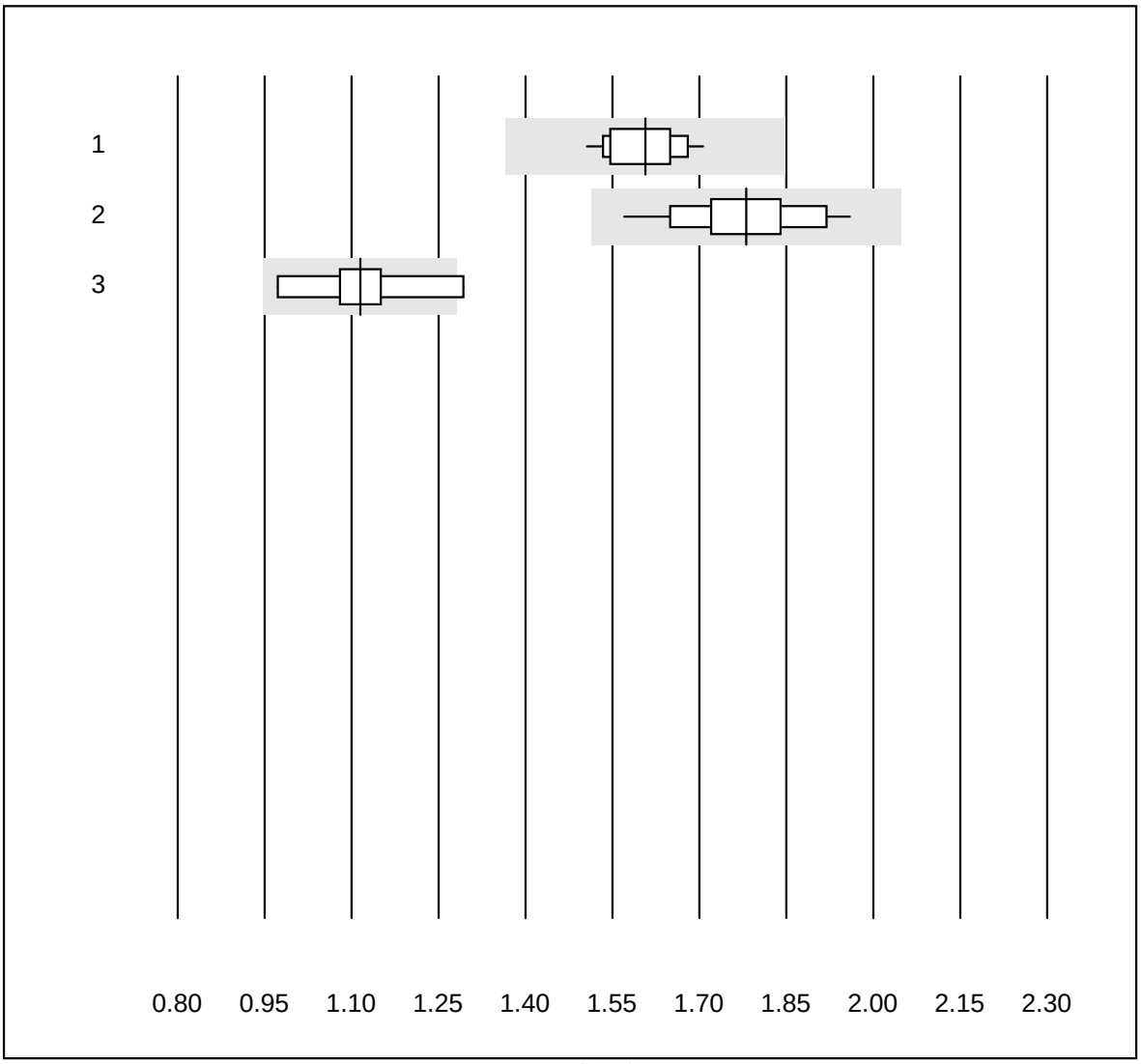
HbA1c sample B



QUALAB tolerance : 9 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Afinion	426	96.5	2.1	1.4	5.2	3.4
2	A1c Now	27	92.6	3.7	3.7	5.1	4.4
3	Hemocue HbA1c 501	4	75.0	25.0	0.0	5.2	8.3
4	NycoCard	169	76.3	16.6	7.1	5.3	5.8
5	DCA2000/Vantage	177	98.3	0.0	1.7	5.2	3.3
6	Others	5	100.0	0.0	0.0	5.2	5.0
7	Roche, Cobas	17	88.2	0.0	11.8	5.2	4.3
8	Hitado Super D	8	100.0	0.0	0.0	5.4	3.3

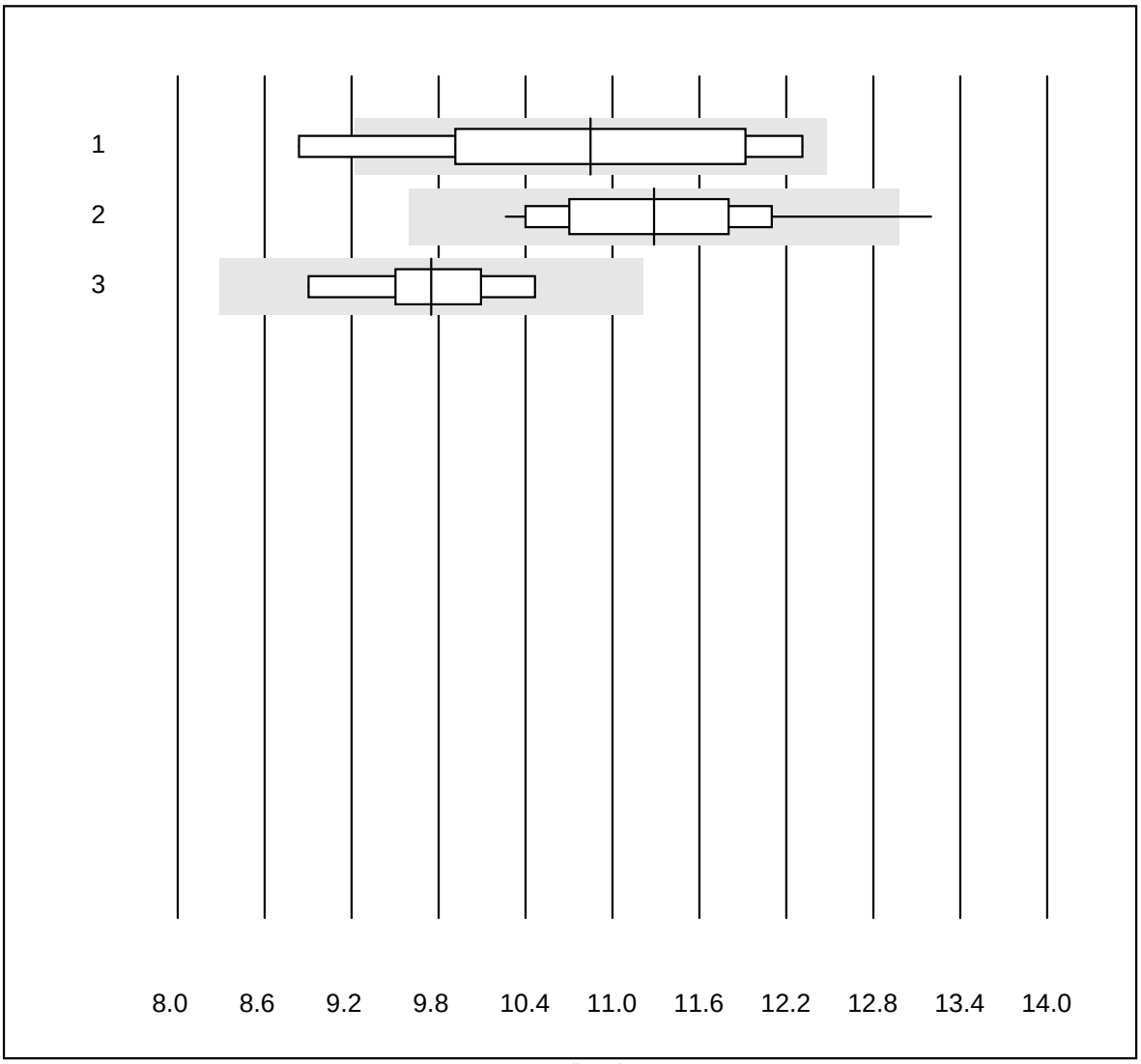
pCO2



QUALAB tolerance : 15 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Roche (OMNI/AVL)	12	100.0	0.0	0.0	1.61	3.8
2	iStat	34	97.1	0.0	2.9	1.78	5.6
3	EPOC	7	57.1	14.3	28.6	1.11	10.6

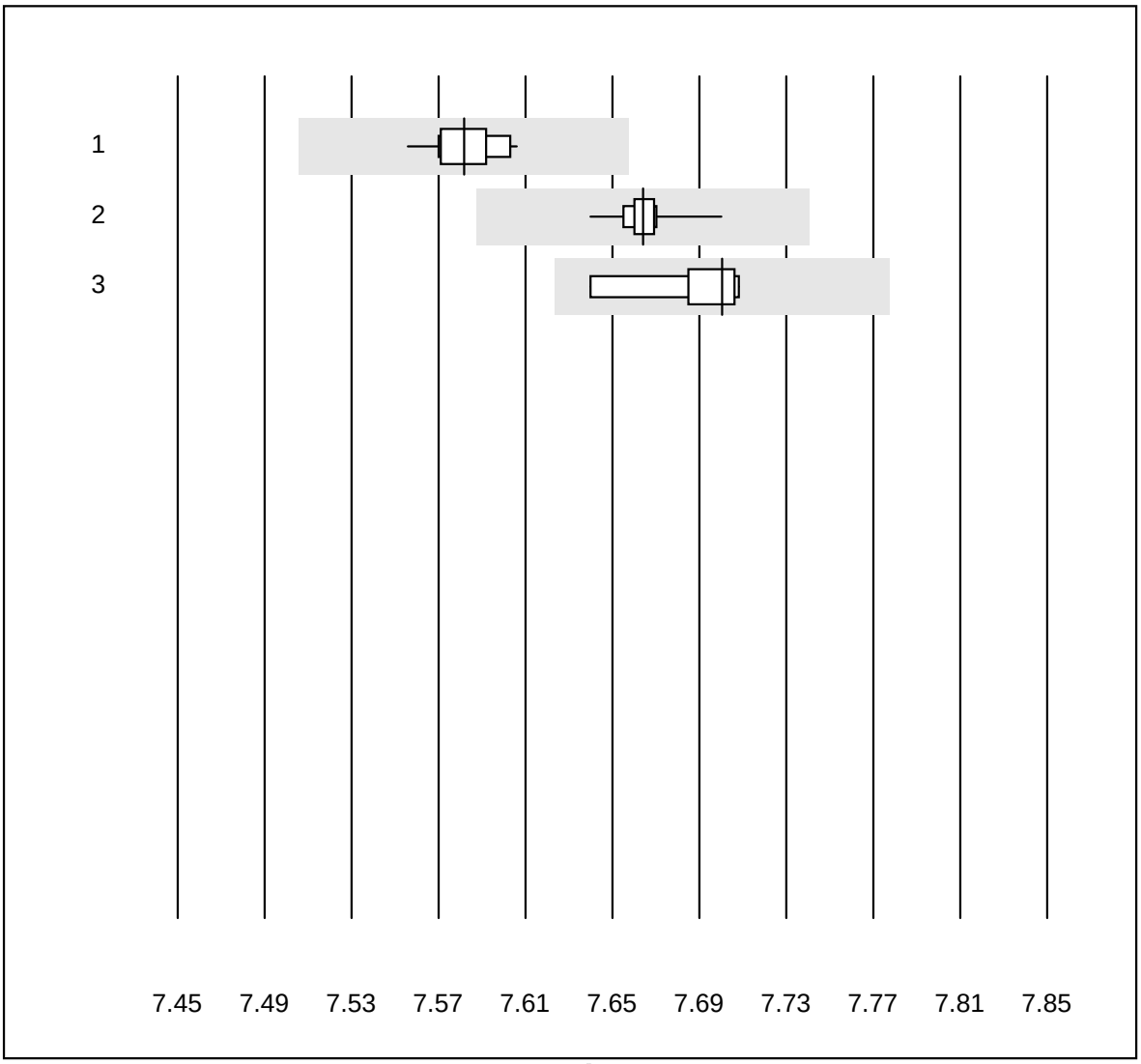
pO2



QUALAB tolerance : 15 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Roche (OMNI/AVL)	9	66.7	11.1	22.2	10.85	10.8
2	iStat	34	94.1	5.9	0.0	11.29	6.5
3	EPOC	7	85.7	0.0	14.3	9.75	5.6

pH

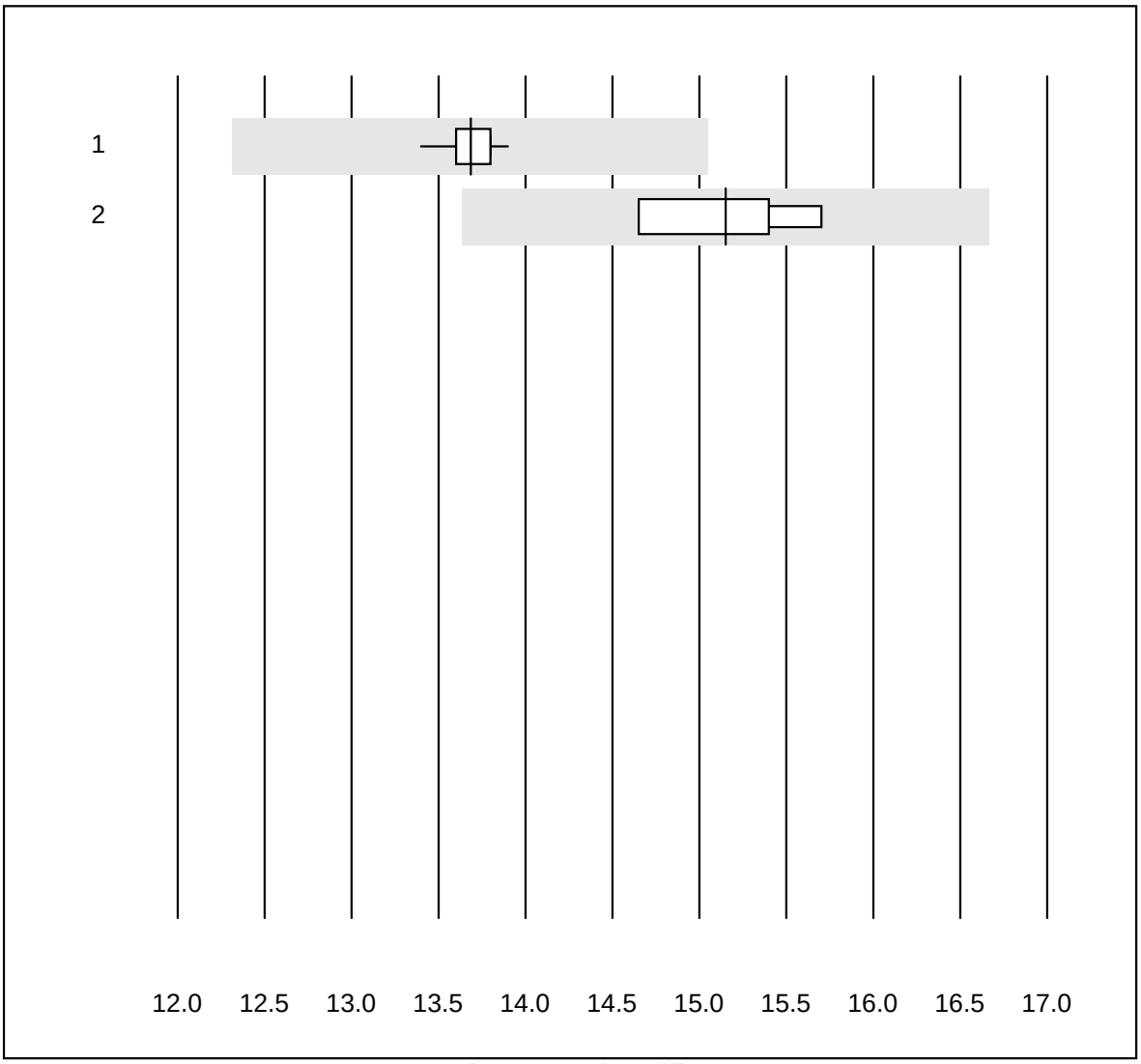


QUALAB tolerance : 1 %

pH ()

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Roche (OMNI/AVL)	11	100.0	0.0	0.0	7.58	0.2
2	iStat	35	100.0	0.0	0.0	7.66	0.1
3	EPOC	7	100.0	0.0	0.0	7.70	0.3

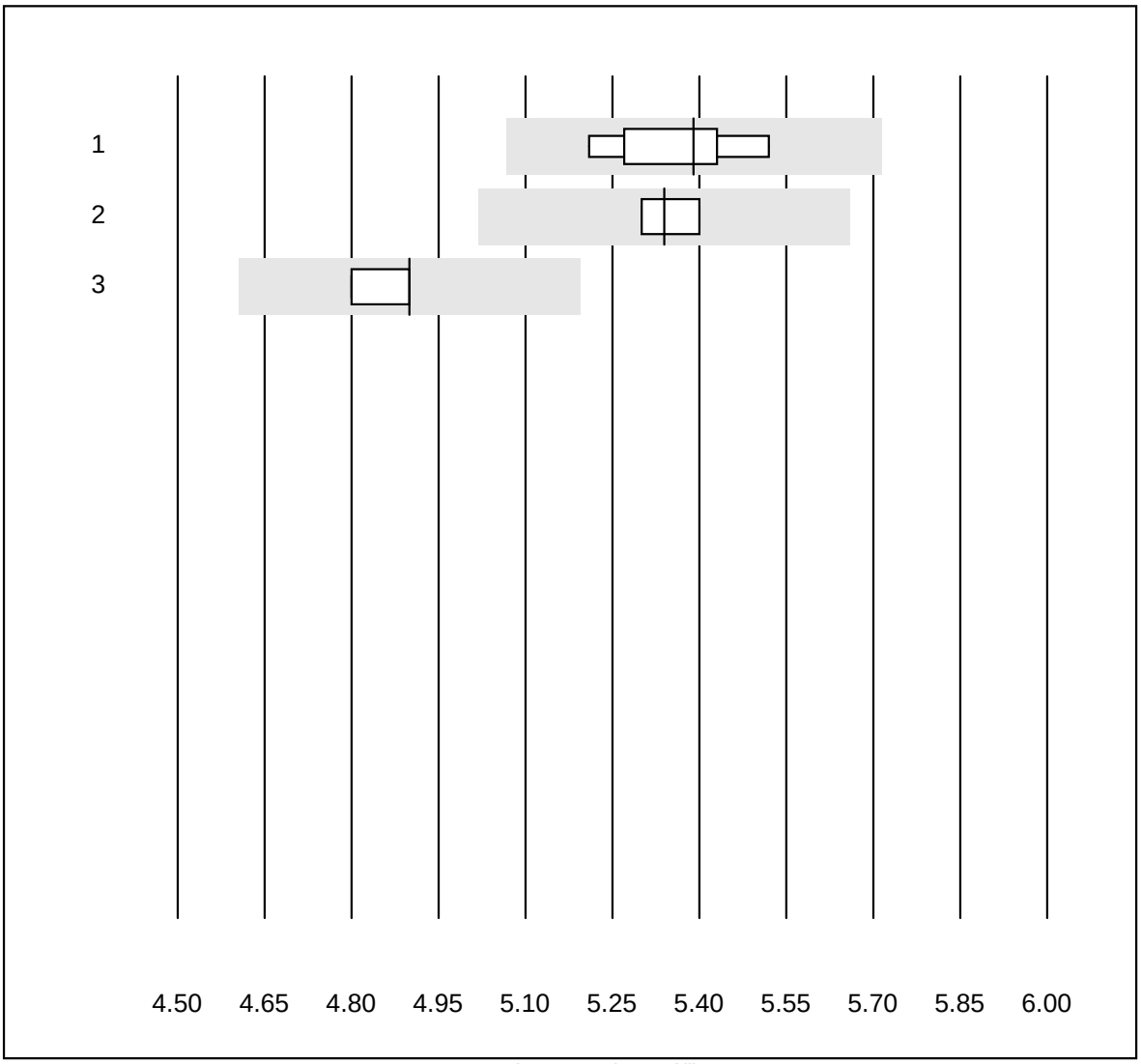
Glucose BG



QUALAB tolerance : 10 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	iStat	12	100.0	0.0	0.0	13.7	1.0
2	EPOC	4	100.0	0.0	0.0	15.2	3.1

Potassium BG

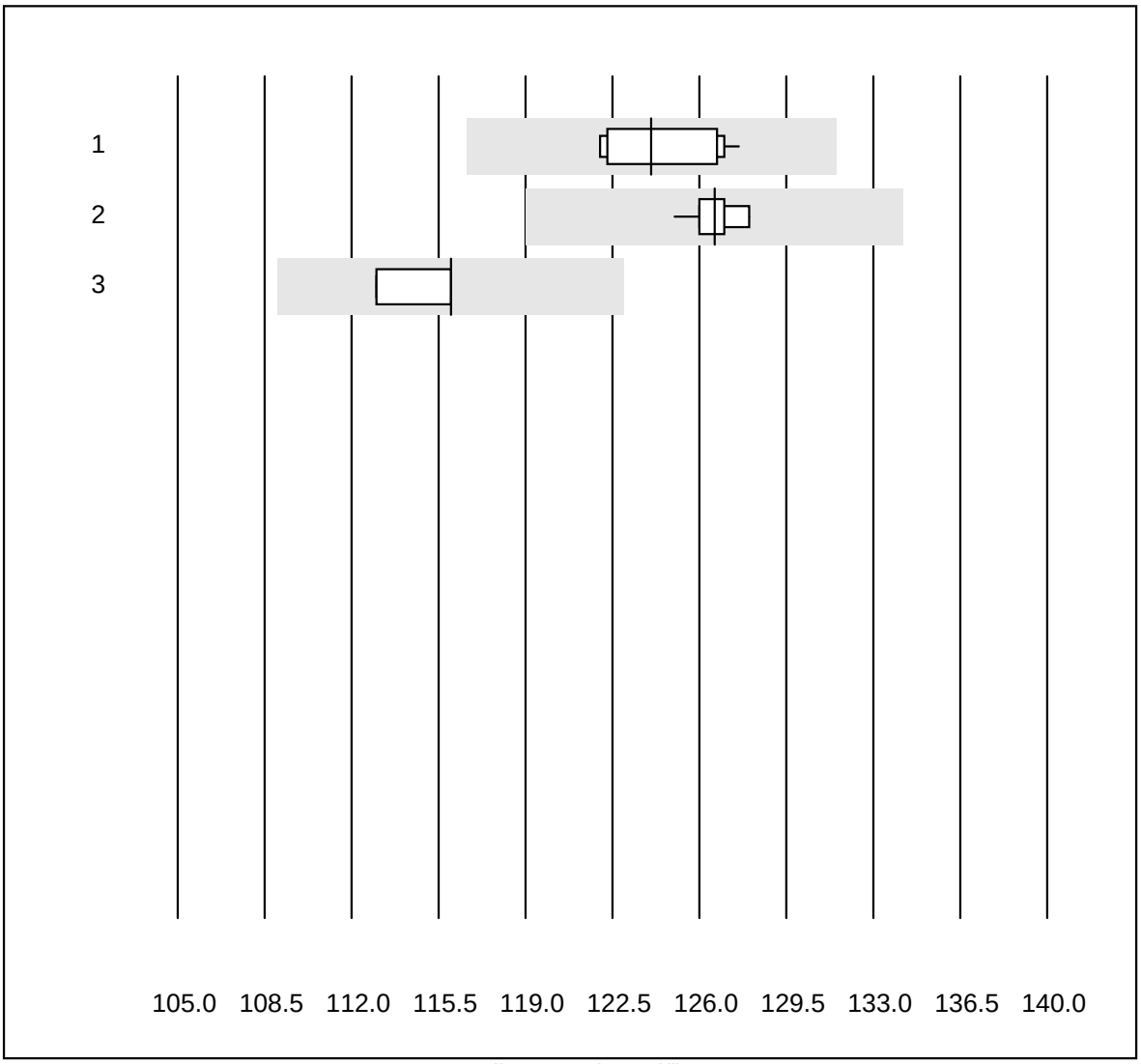


QUALAB tolerance : 6 %

Potassium BG (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Roche (OMNI/AVL)	9	100.0	0.0	0.0	5.4	2.1
2	iStat	18	100.0	0.0	0.0	5.3	0.9
3	EPOC	5	100.0	0.0	0.0	4.9	1.1

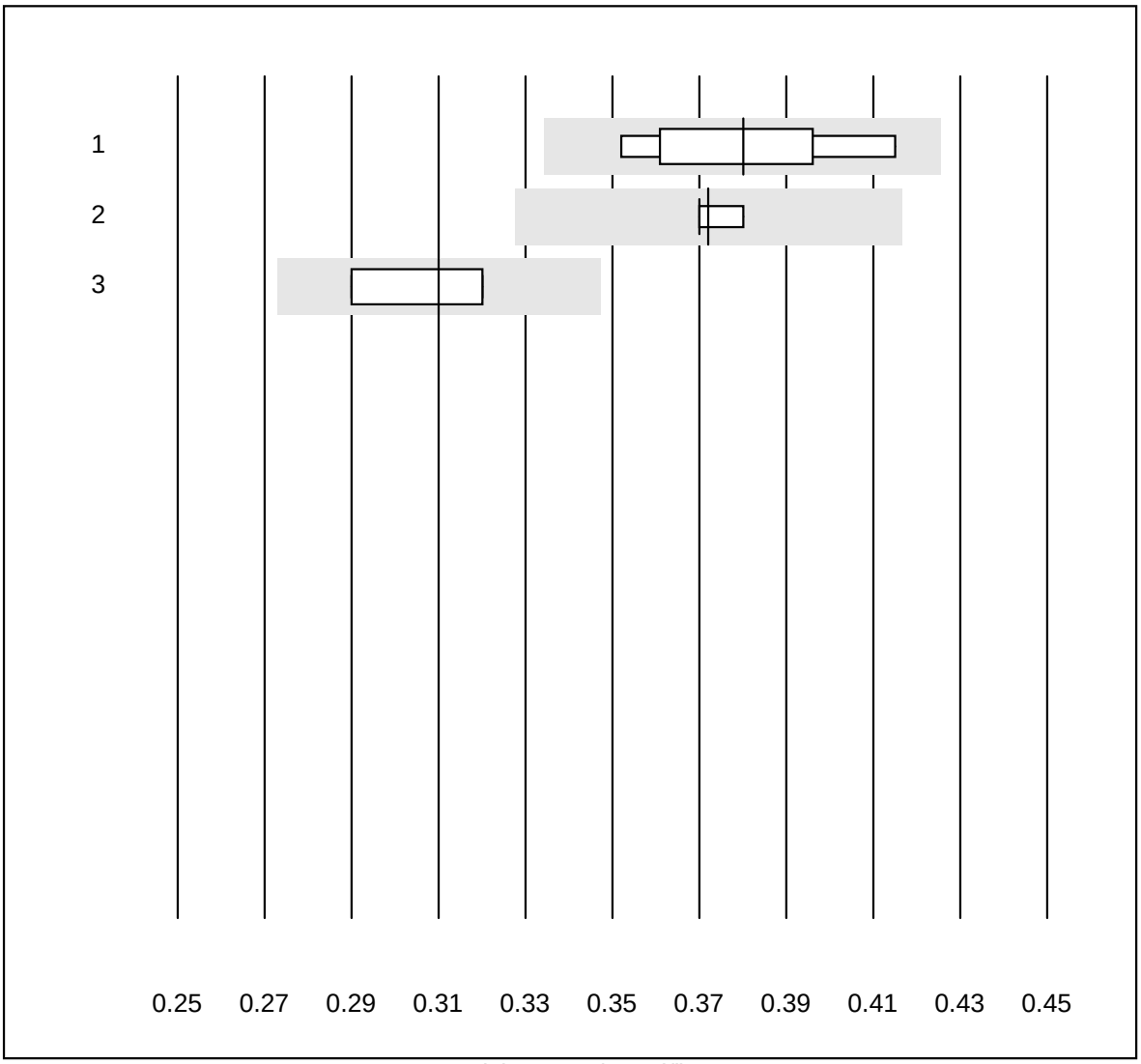
Sodium BG



QUALAB tolerance : 6 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Roche (OMNI/AVL)	10	100.0	0.0	0.0	124.1	1.8
2	iStat	18	100.0	0.0	0.0	126.6	0.6
3	EPOC	5	100.0	0.0	0.0	116.0	1.4

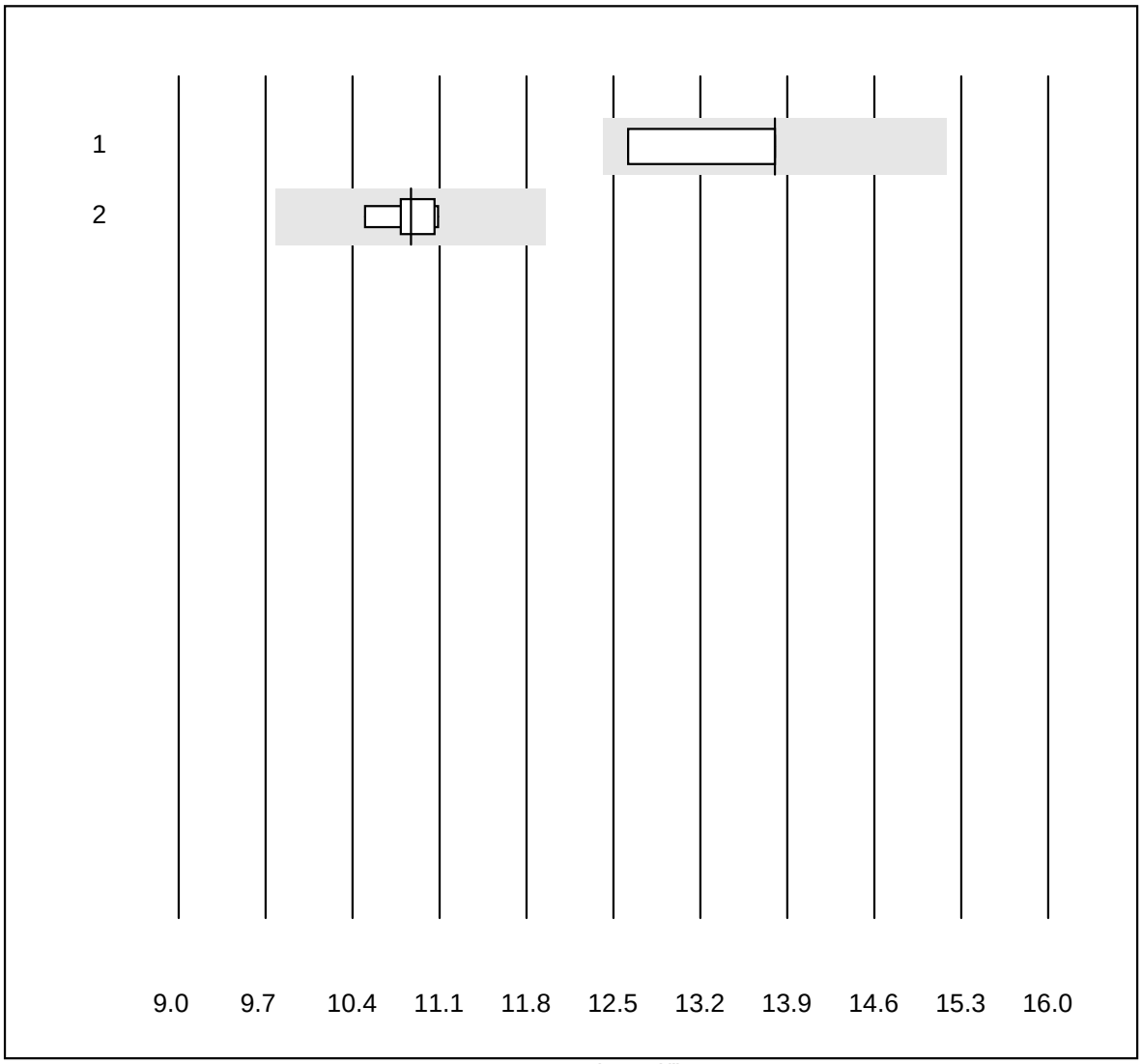
Calcium-BG



QUALAB tolerance : 12 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Roche (OMNI/AVL)	7	85.7	0.0	14.3	0.38	6.0
2	iStat	10	100.0	0.0	0.0	0.37	1.1
3	EPOC	5	100.0	0.0	0.0	0.31	5.0

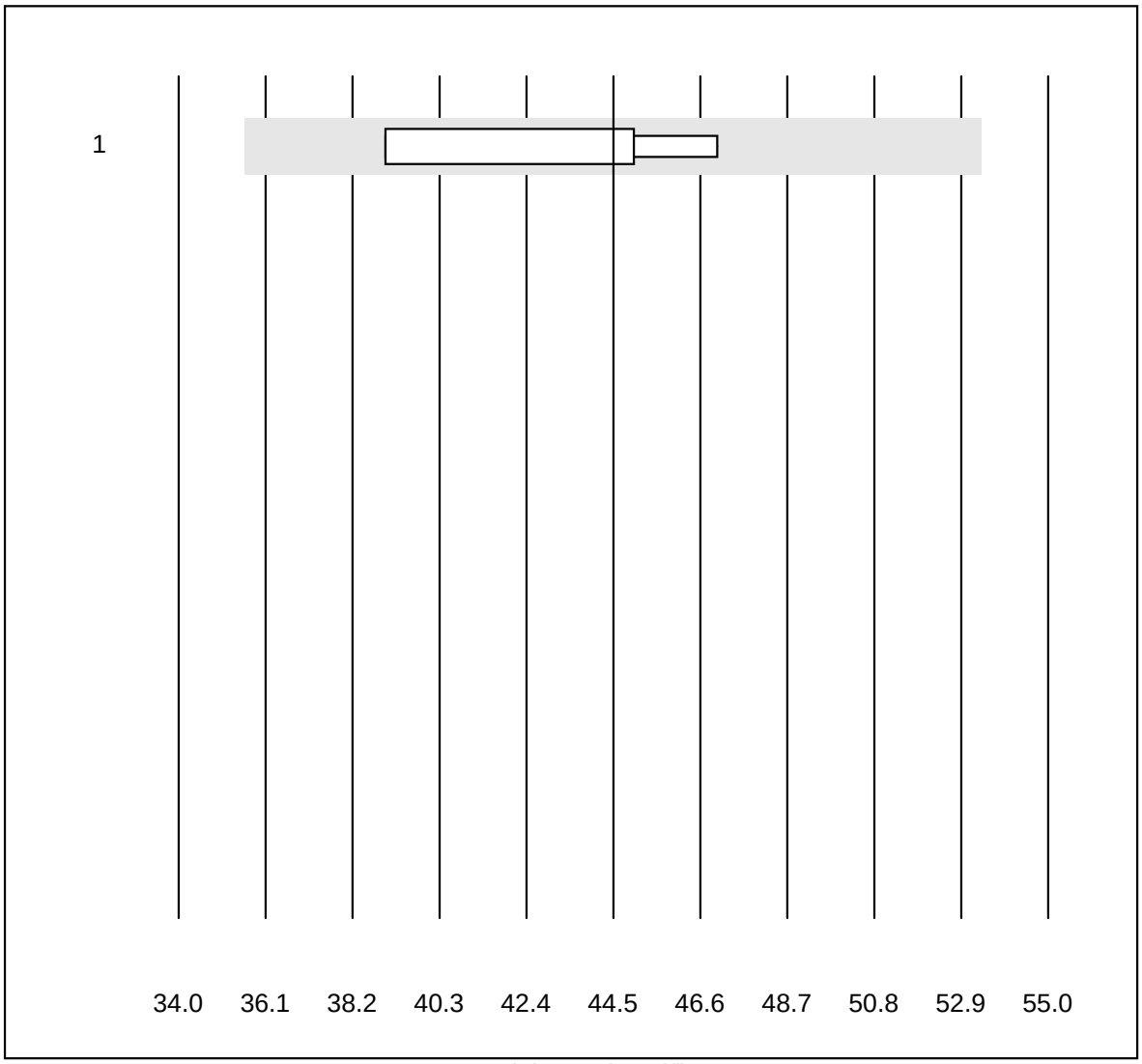
Lactate-BG



QUALAB tolerance : 10 %

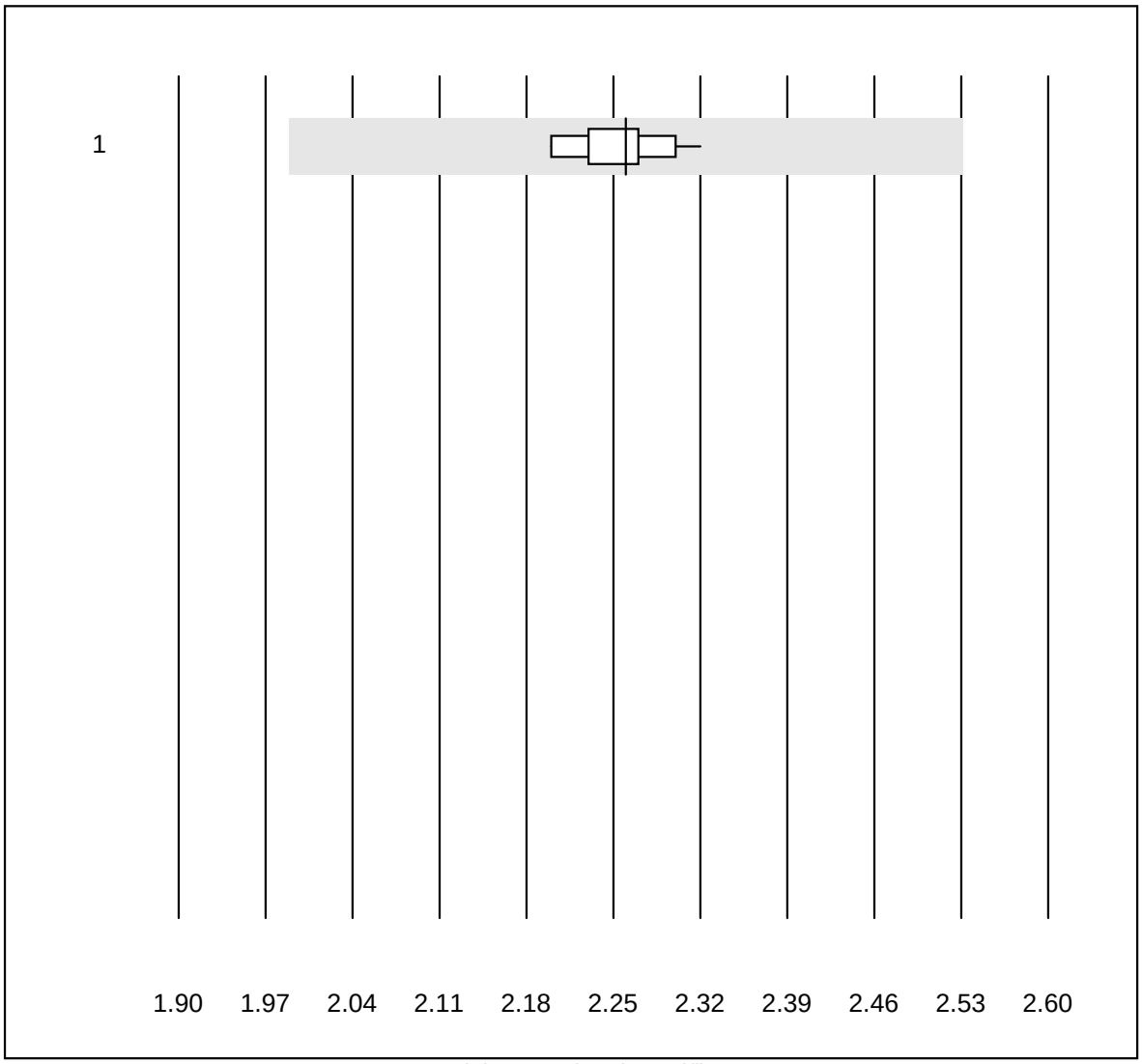
No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	EPOC	5	60.0	0.0	40.0	13.80	4.7
2	iStat	5	100.0	0.0	0.0	10.87	2.2

Kreatinin BG



No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	iStat	4	100.0	0.0	0.0	45	7.8

Calcium - Urine

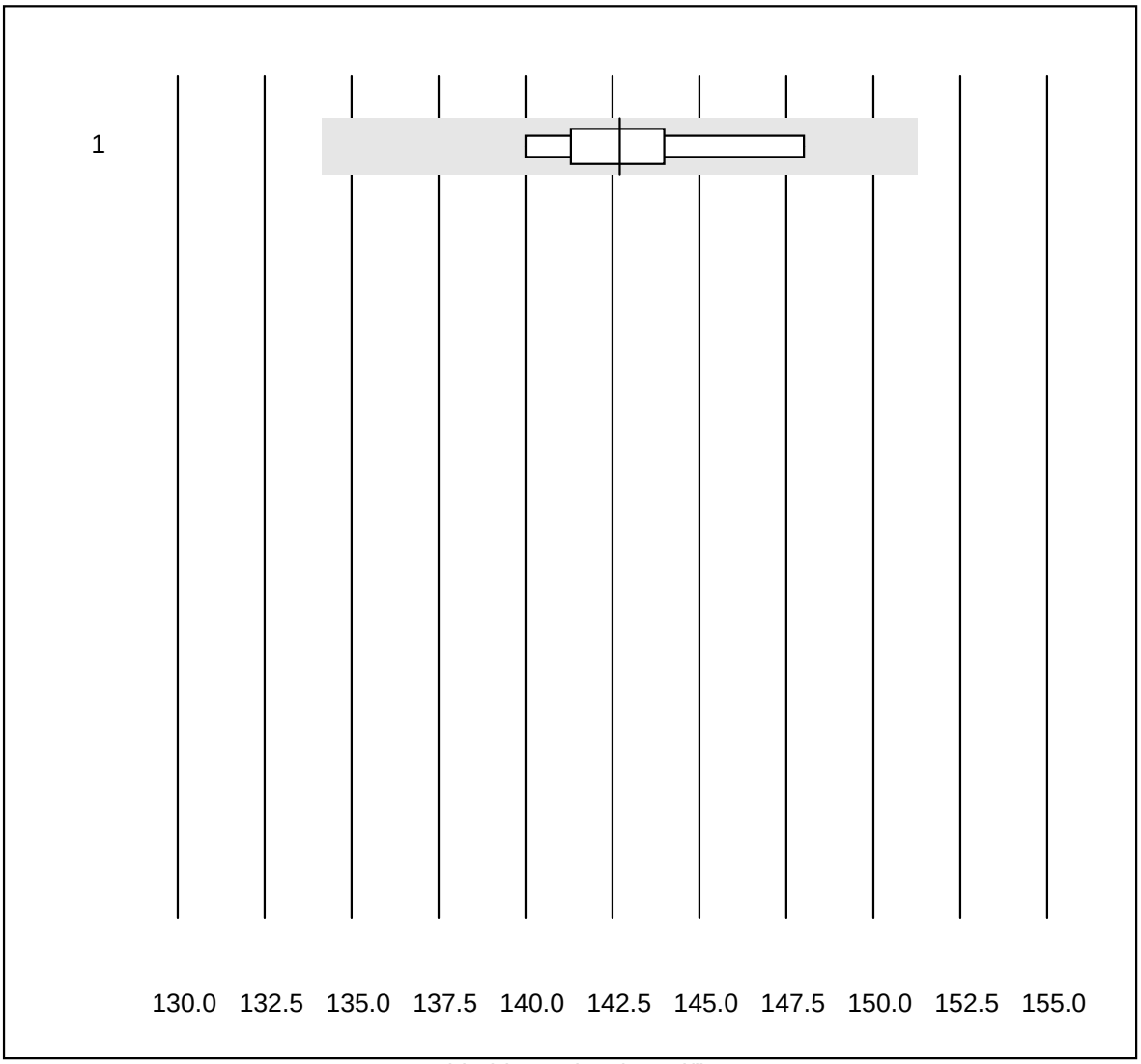


QUALAB tolerance : 12 %

Calcium - Urine (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Standard chemistry	12	100.0	0.0	0.0	2.26	1.7

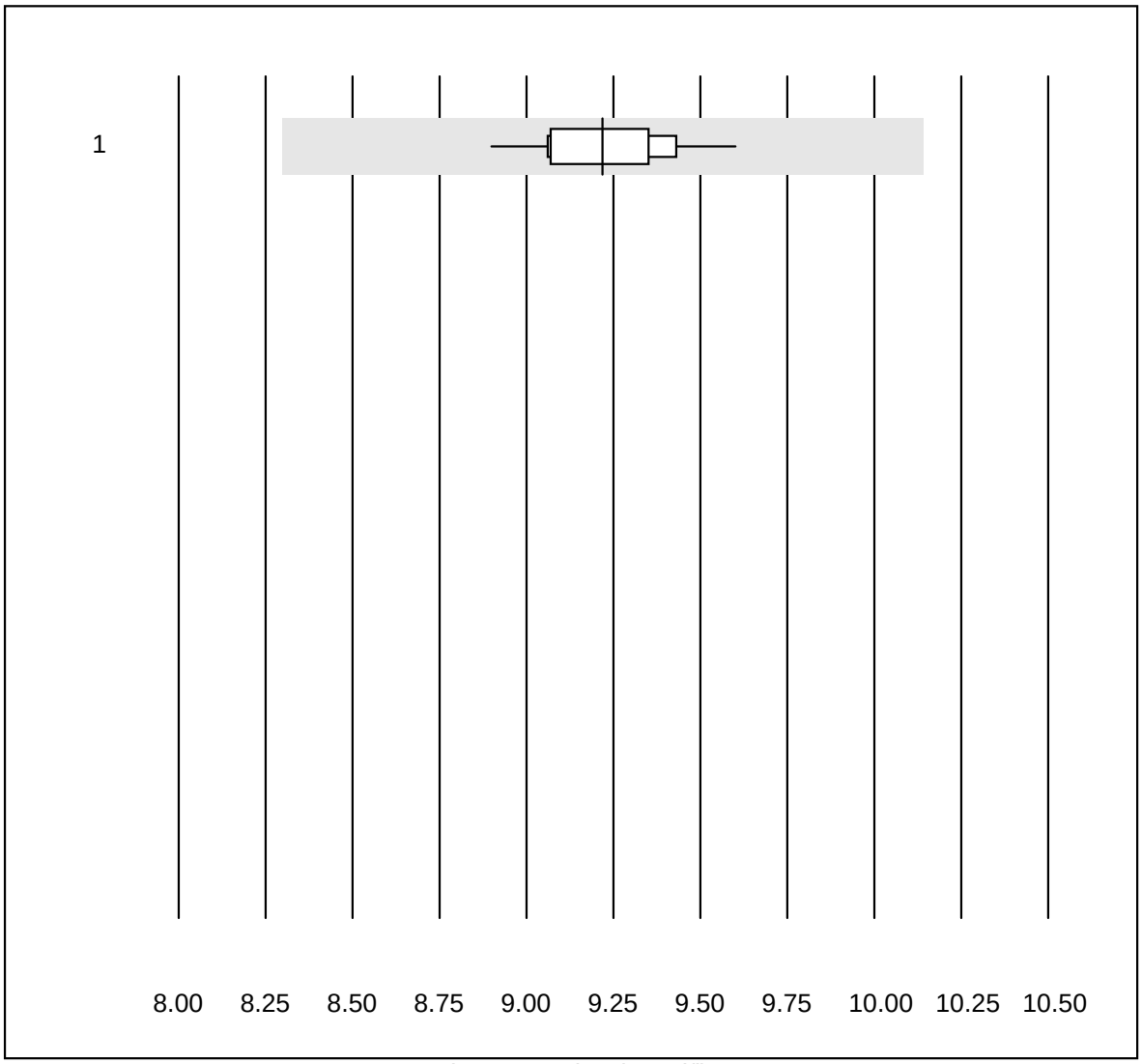
Chloride - Urine



QUALAB tolerance : 6 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Standard chemistry	6	100.0	0.0	0.0	143	2.0

Glucose - Urine

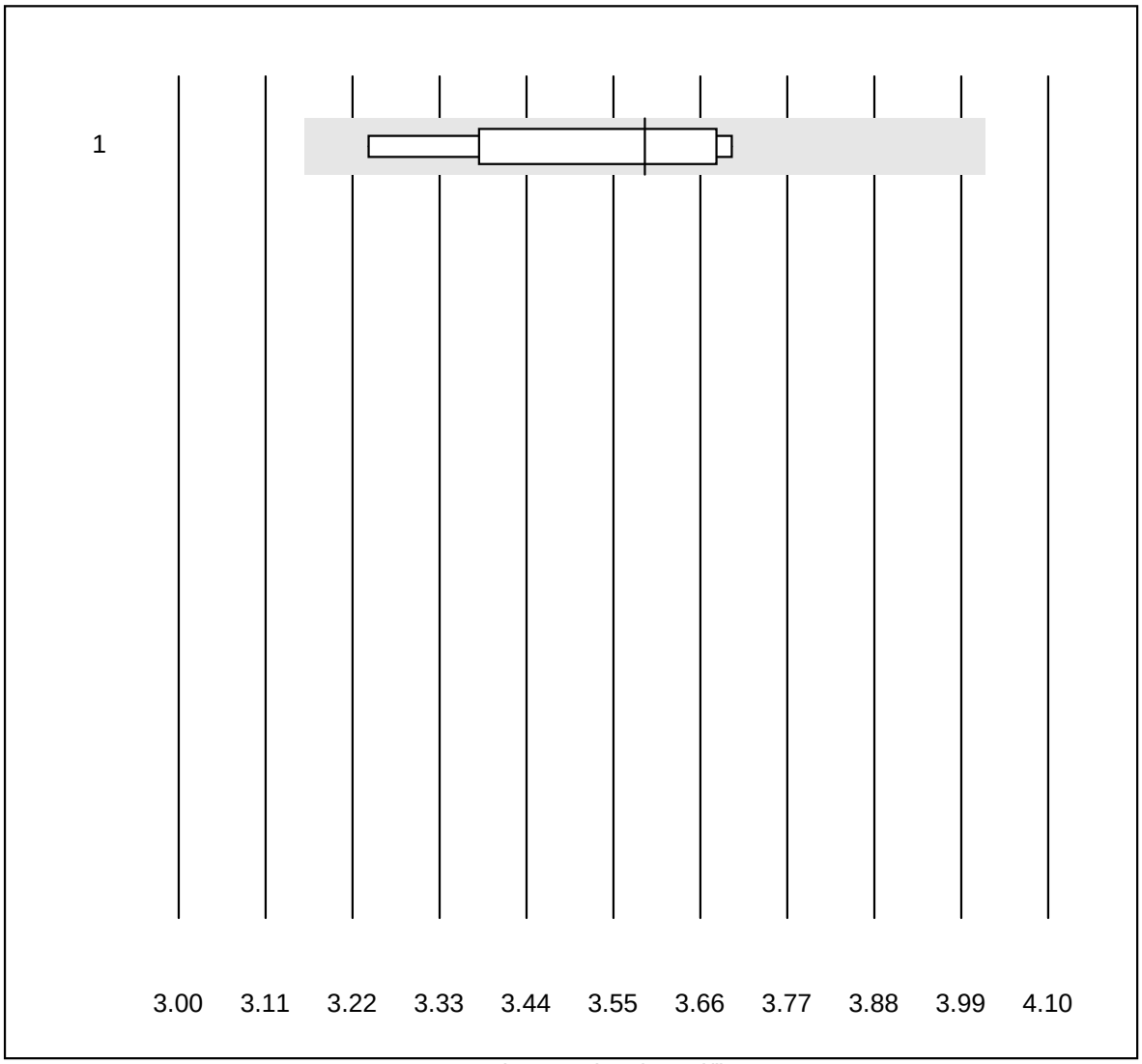


QUALAB tolerance : 10 %

Glucose - Urine (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Standard chemistry	12	100.0	0.0	0.0	9.2	2.2

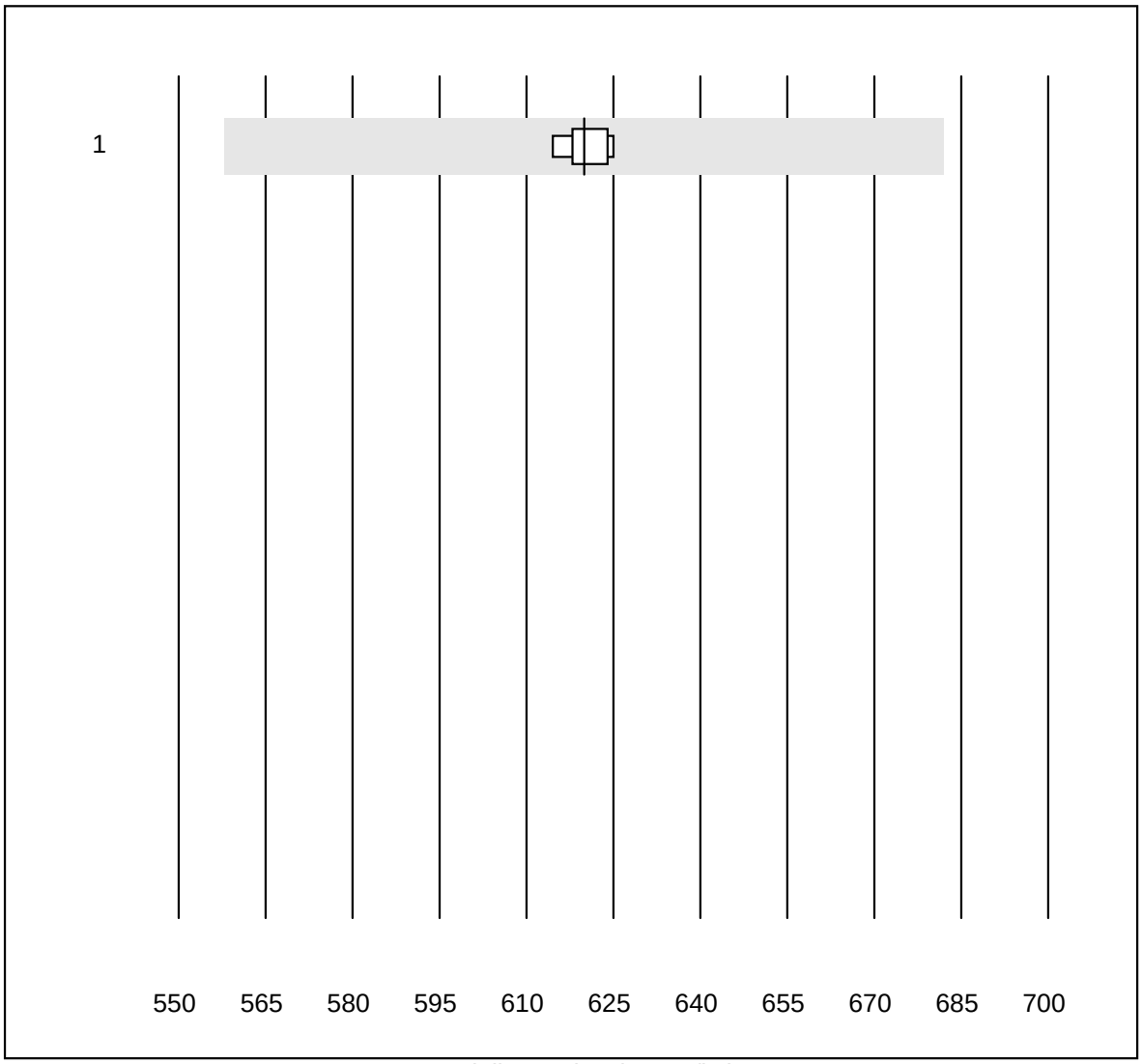
Magnesium - Urine



QUALAB tolerance : 12 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Standard chemistry	6	100.0	0.0	0.0	3.6	5.3

Osmolality - Urine

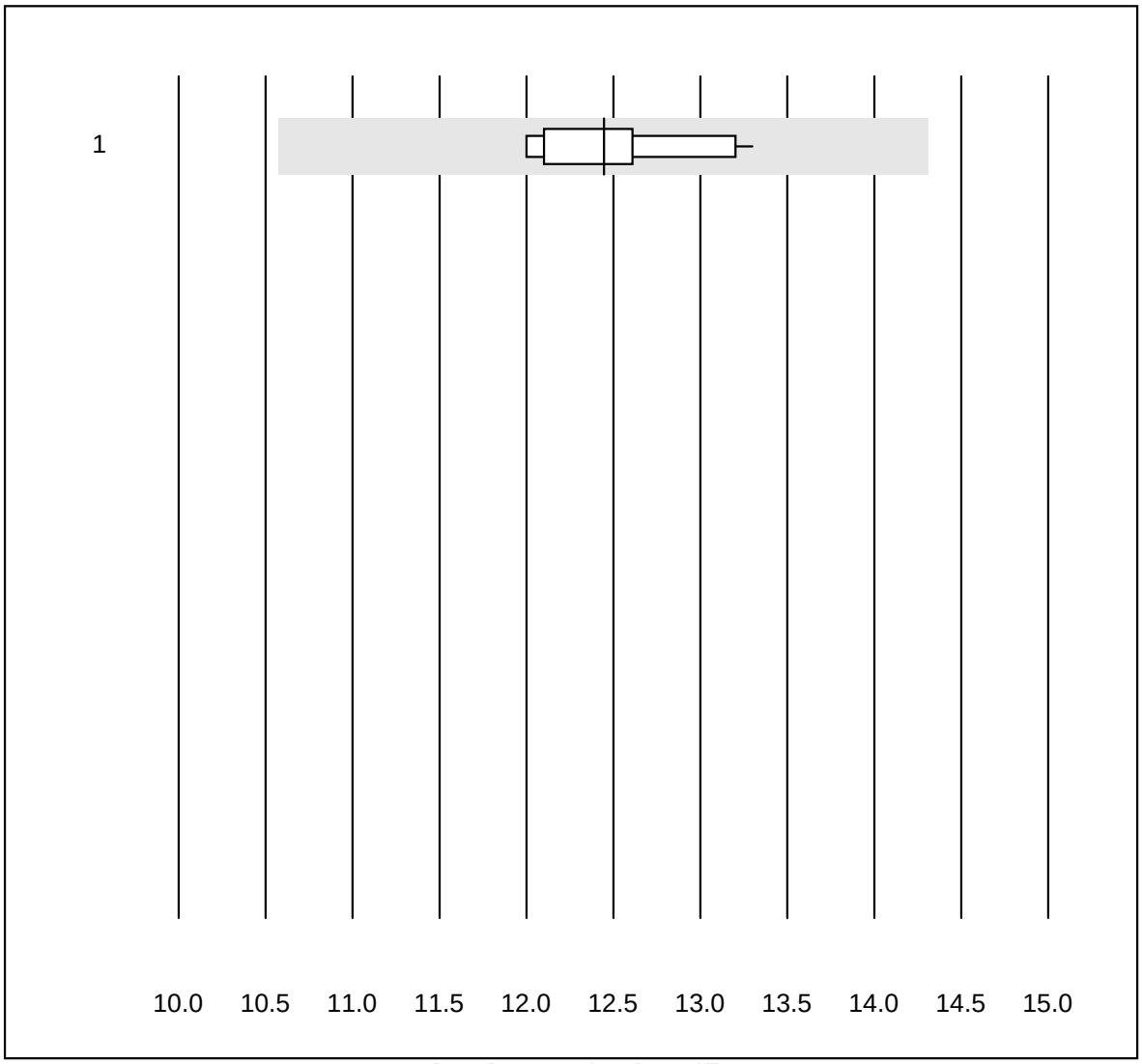


QUALAB tolerance : 10 %

Osmolality - Urine (mosm/kg)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Cryoskopy	5	100.0	0.0	0.0	620	0.7

Phosphate - Urine

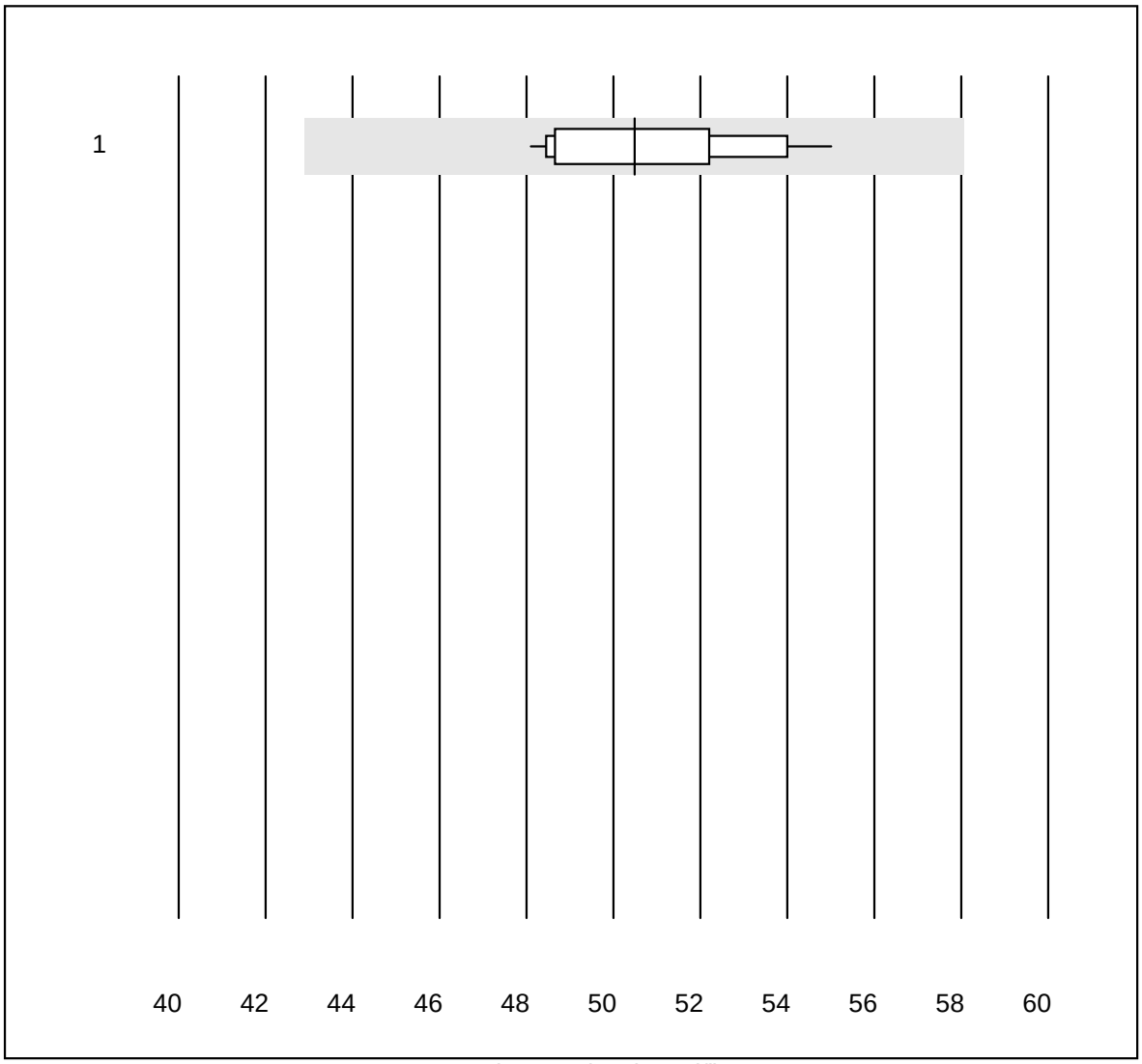


QUALAB tolerance : 15 %

Phosphate - Urine (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Standard chemistry	12	100.0	0.0	0.0	12.4	3.5

Potassium - Urine

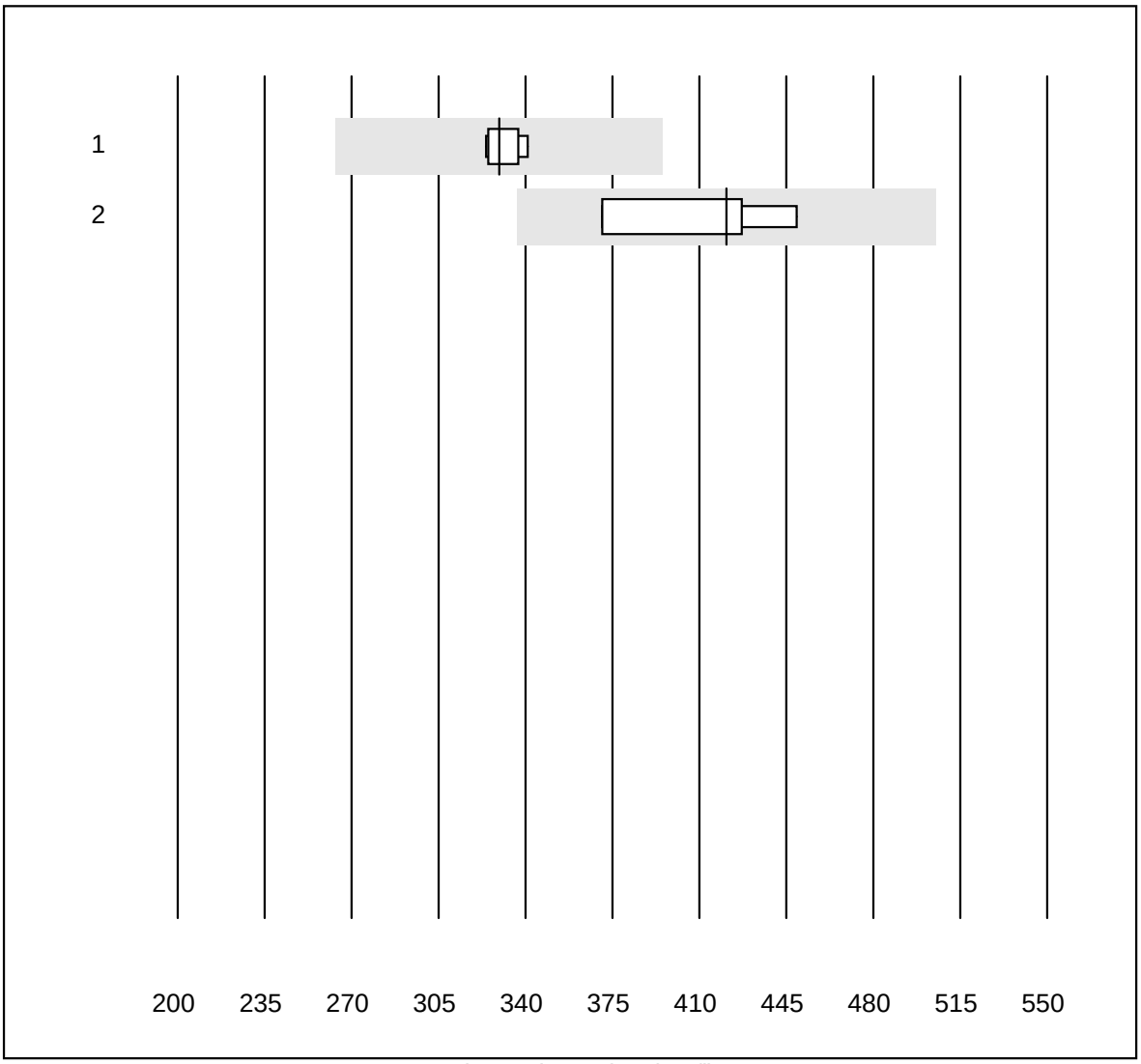


QUALAB tolerance : 15 %

Potassium - Urine (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	all Participants	16	100.0	0.0	0.0	50	4.4

total Protein - Urine

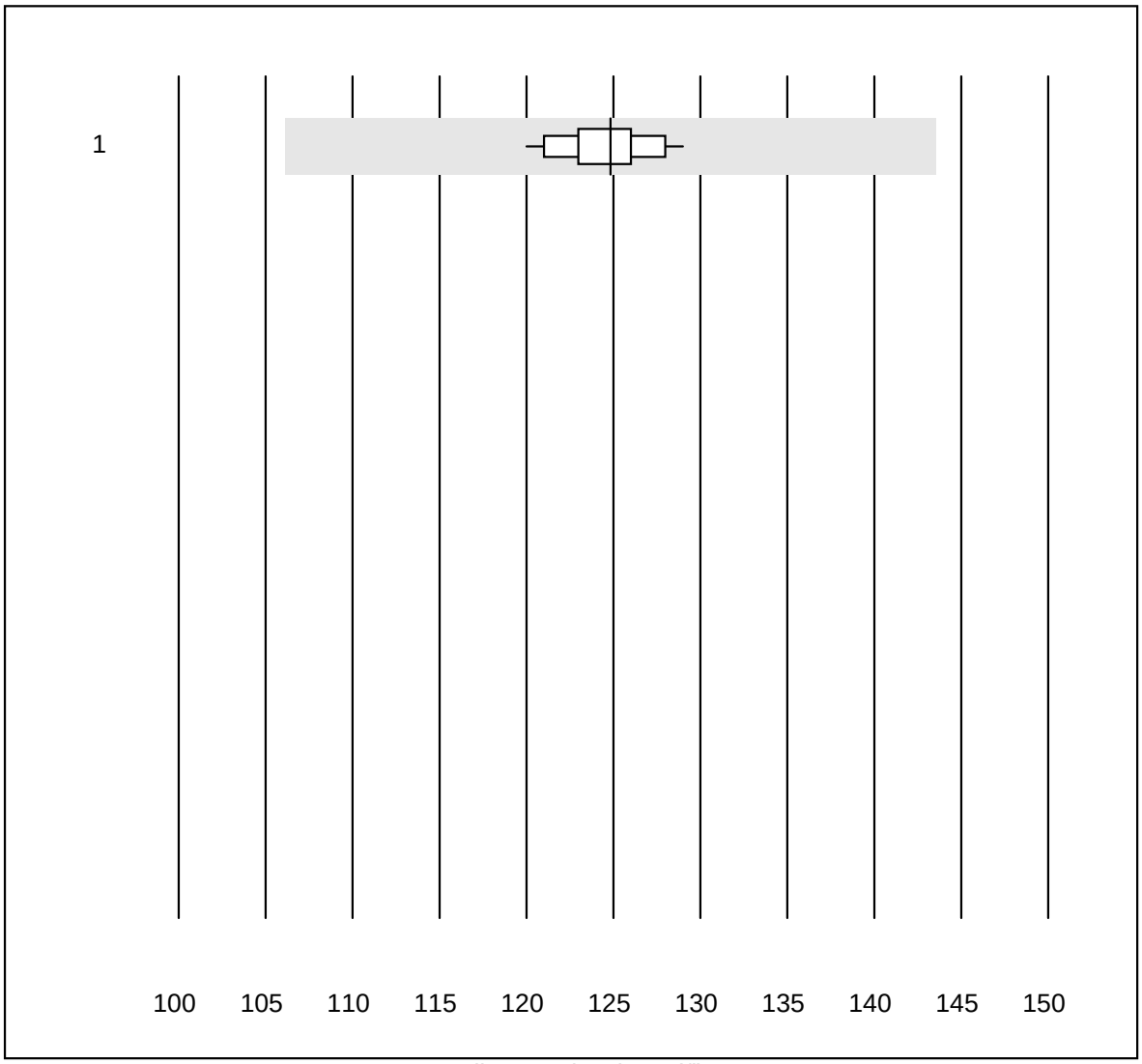


QUALAB tolerance : 20 %

total Protein - Urine (mg/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Cobas/Roche	8	100.0	0.0	0.0	329.5	2.0
2	Other methods	4	100.0	0.0	0.0	421.0	7.9

Sodium - Urine

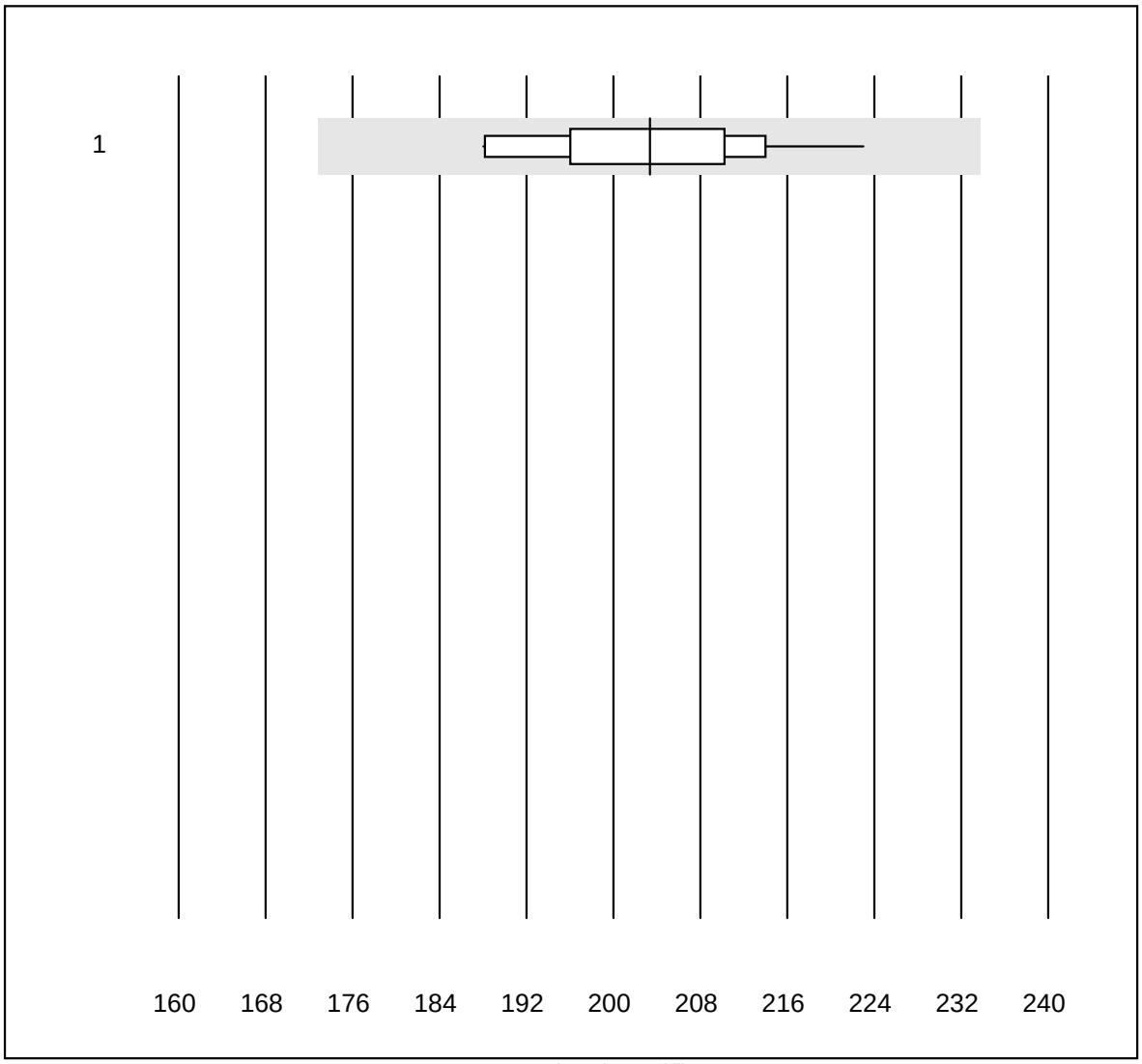


QUALAB tolerance : 15 %

Sodium - Urine (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	all Participants	16	100.0	0.0	0.0	125	1.9

Urea - Urine

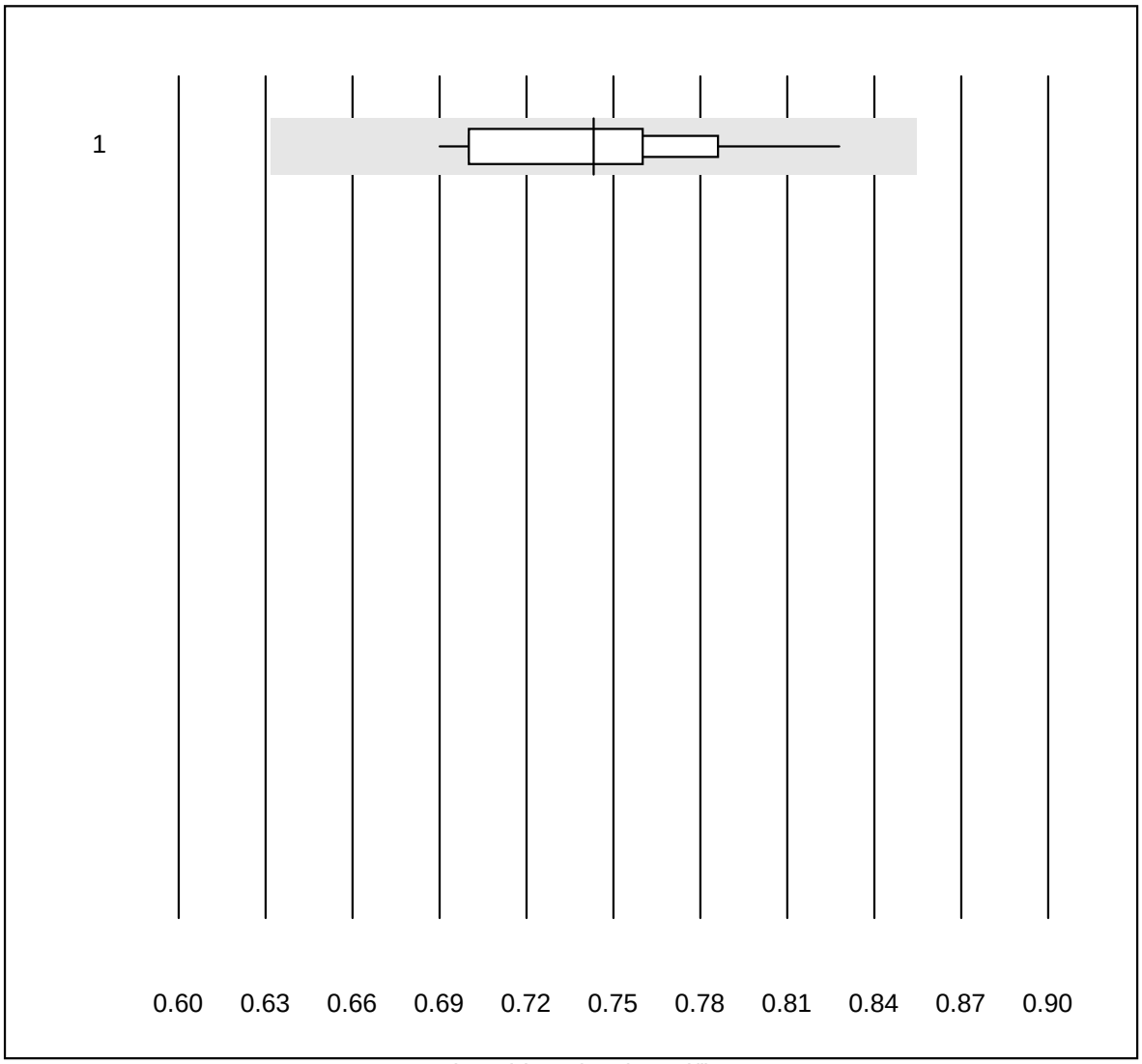


QUALAB tolerance : 15 %

Urea - Urine (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Standard chemistry	12	100.0	0.0	0.0	203	5.0

Uric Acid - Urine

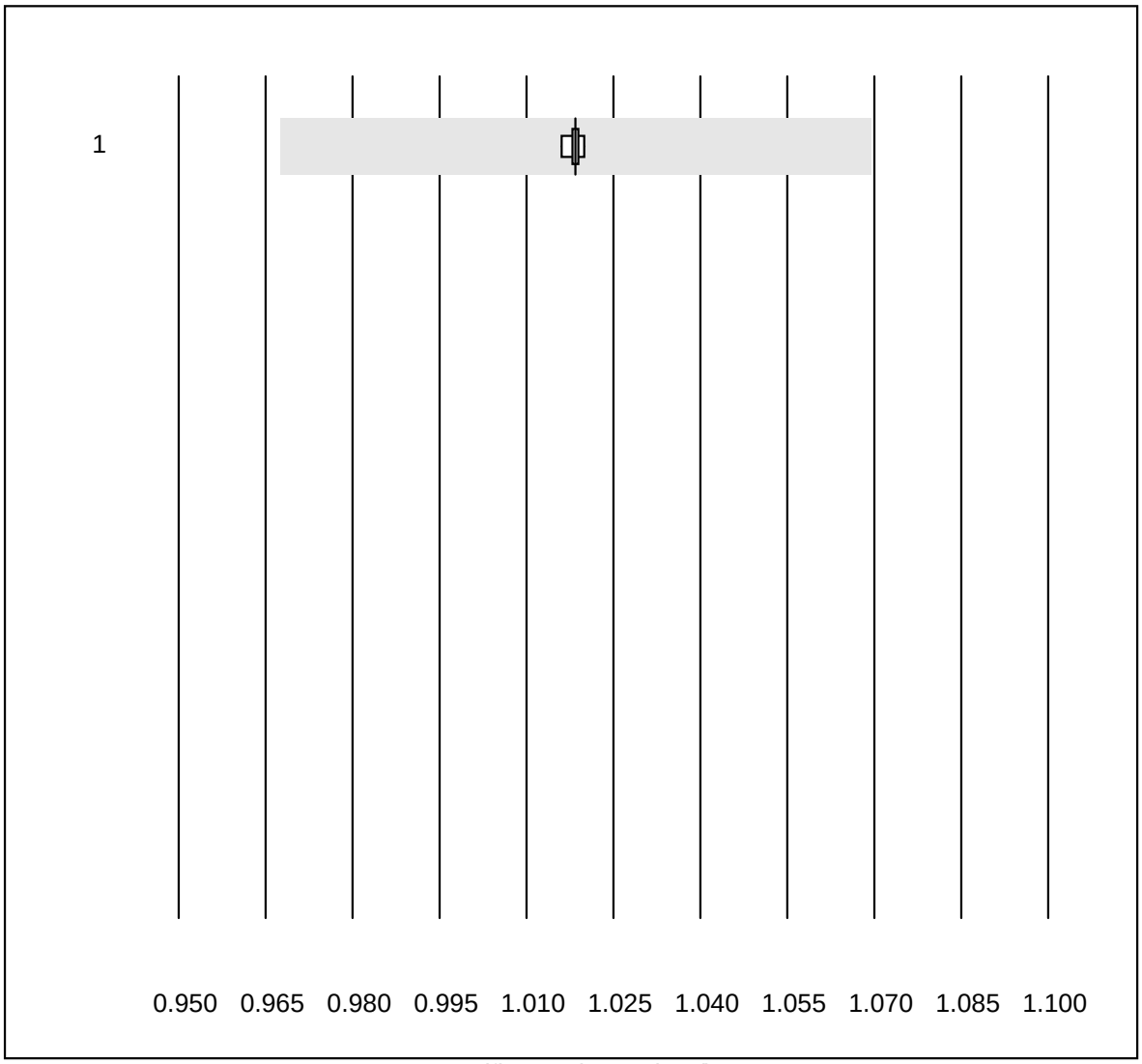


QUALAB tolerance : 15 %

Uric Acid - Urine (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Standard chemistry	11	100.0	0.0	0.0	0.74	5.5

Specific Gravity - Urine

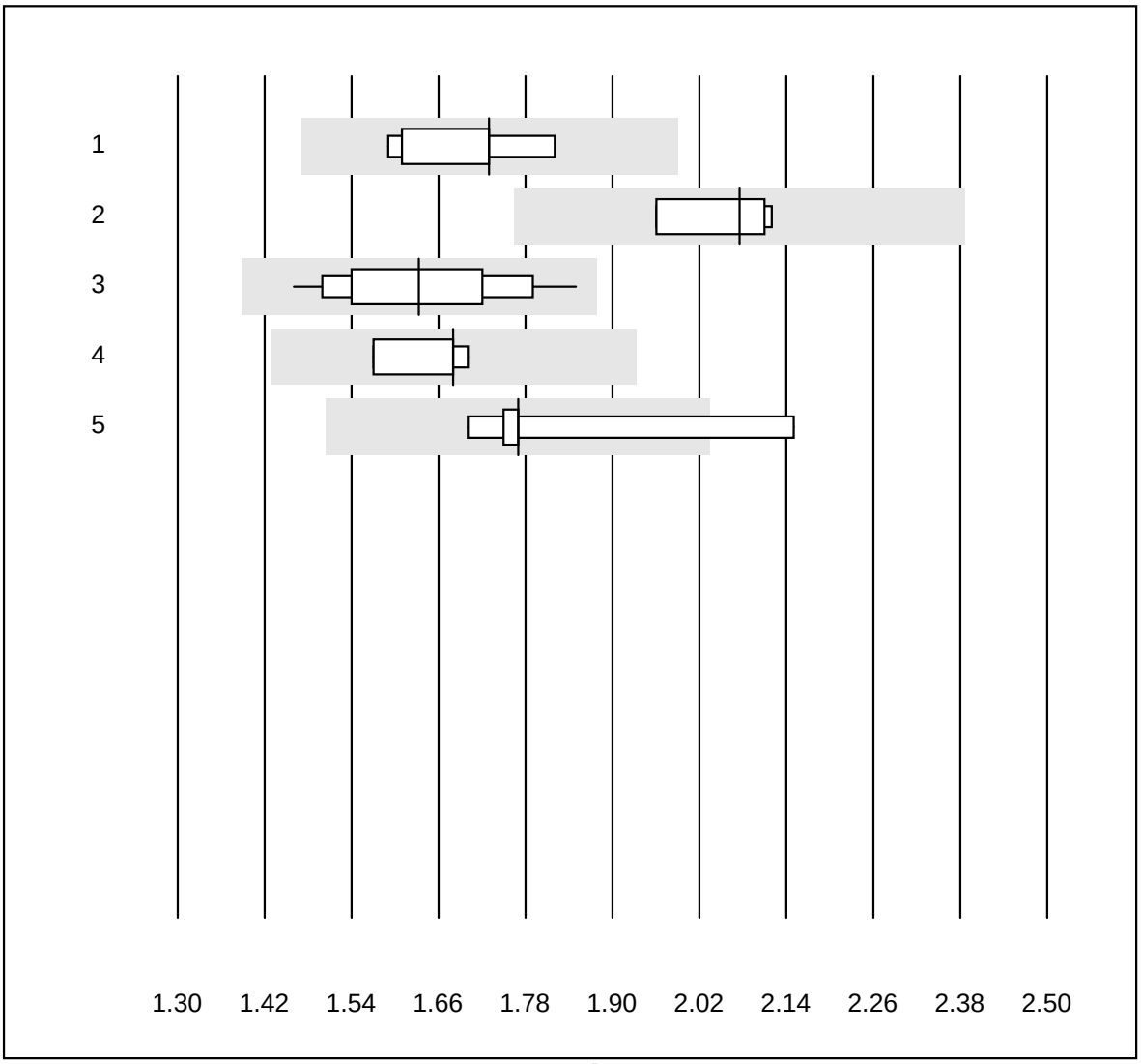


QUALAB tolerance : 5 %

Specific Gravity - Urine ()

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Refractometer	8	100.0	0.0	0.0	1.019	0.1

INR

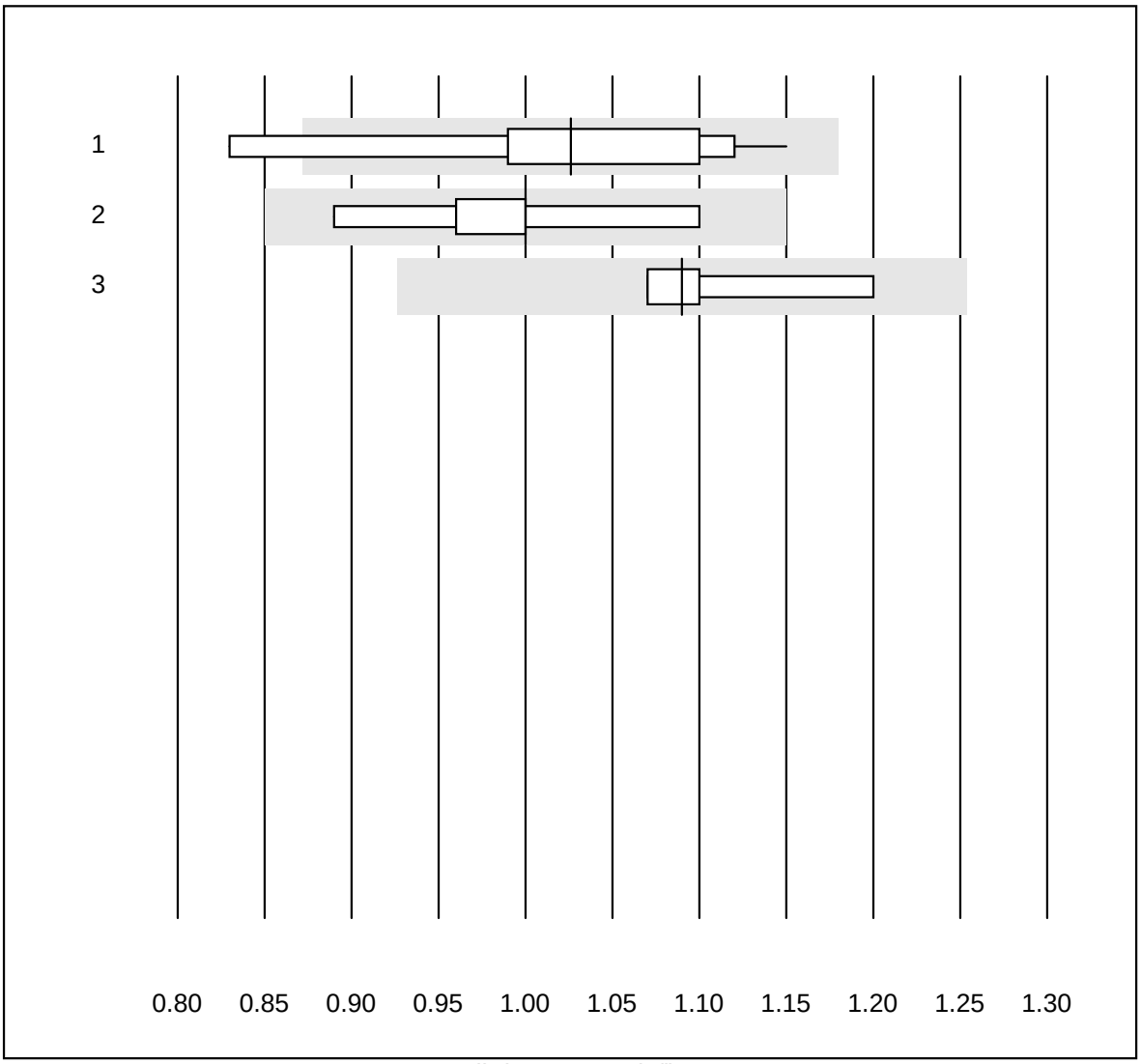


QUALAB tolerance : 15 %

INR ()

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Thromborel S	7	85.7	0.0	14.3	1.73	5.1
2	Neoplastin Plus	4	100.0	0.0	0.0	2.08	3.6
3	Innovin	19	100.0	0.0	0.0	1.63	6.6
4	Other methods	5	80.0	0.0	20.0	1.68	3.5
5	Neoplastin R	9	88.9	11.1	0.0	1.77	7.5

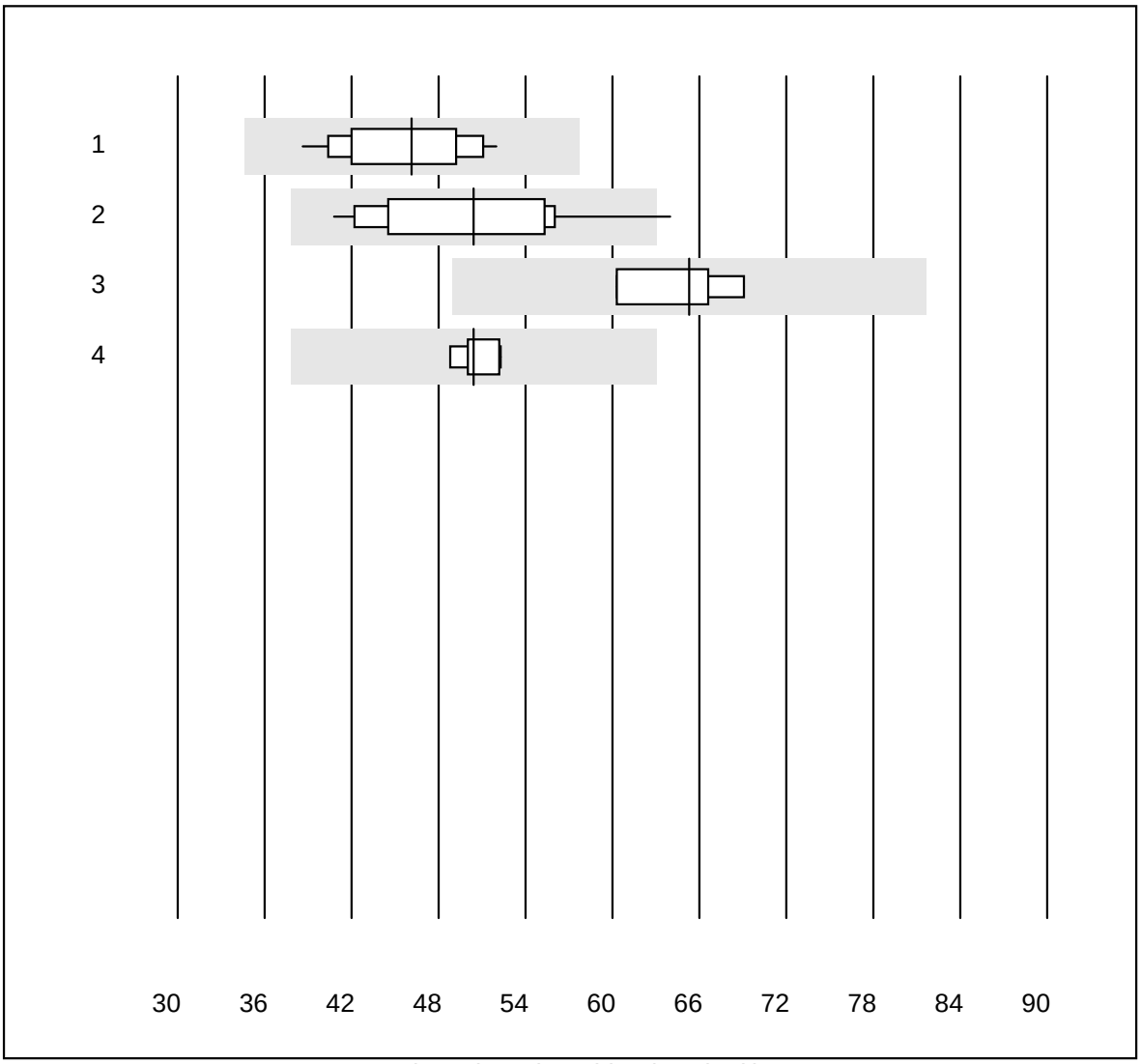
Fibrinogen OA



QUALAB tolerance : 15 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Other methods	10	90.0	10.0	0.0	1.03	9.5
2	Siemens Thrombin	8	100.0	0.0	0.0	1.00	6.9
3	Stago/STA	7	100.0	0.0	0.0	1.09	4.1

Activated Prothrombin Time

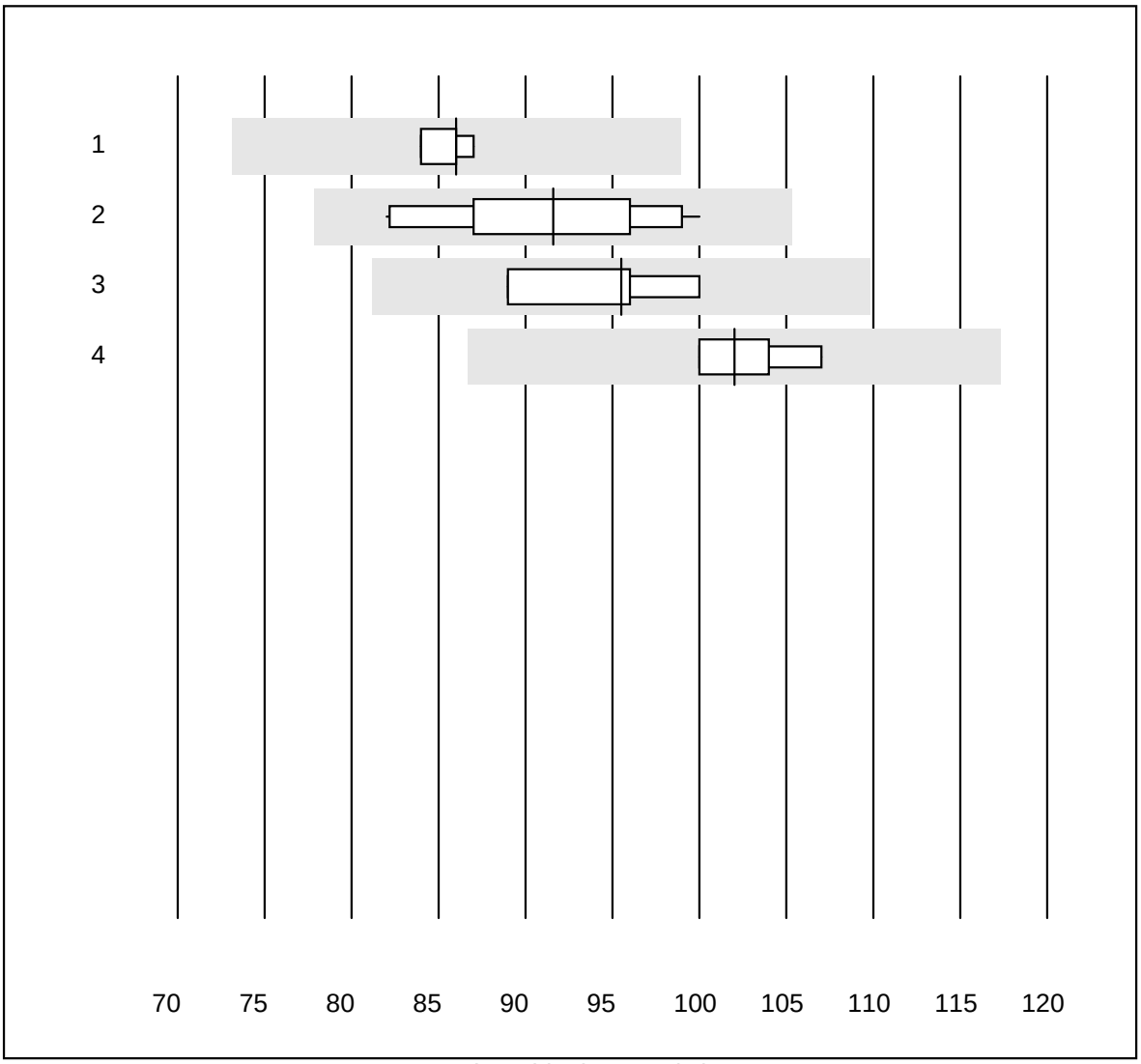


QUALAB tolerance : 25 %

Activated Prothrombin Time (Sek)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Other methods	15	100.0	0.0	0.0	46.1	9.1
2	Actin FS	11	90.9	9.1	0.0	50.4	13.2
3	Pathromtin SL	4	100.0	0.0	0.0	65.3	5.8
4	Stago/STA	5	100.0	0.0	0.0	50.4	3.0

Prothrombin time NT

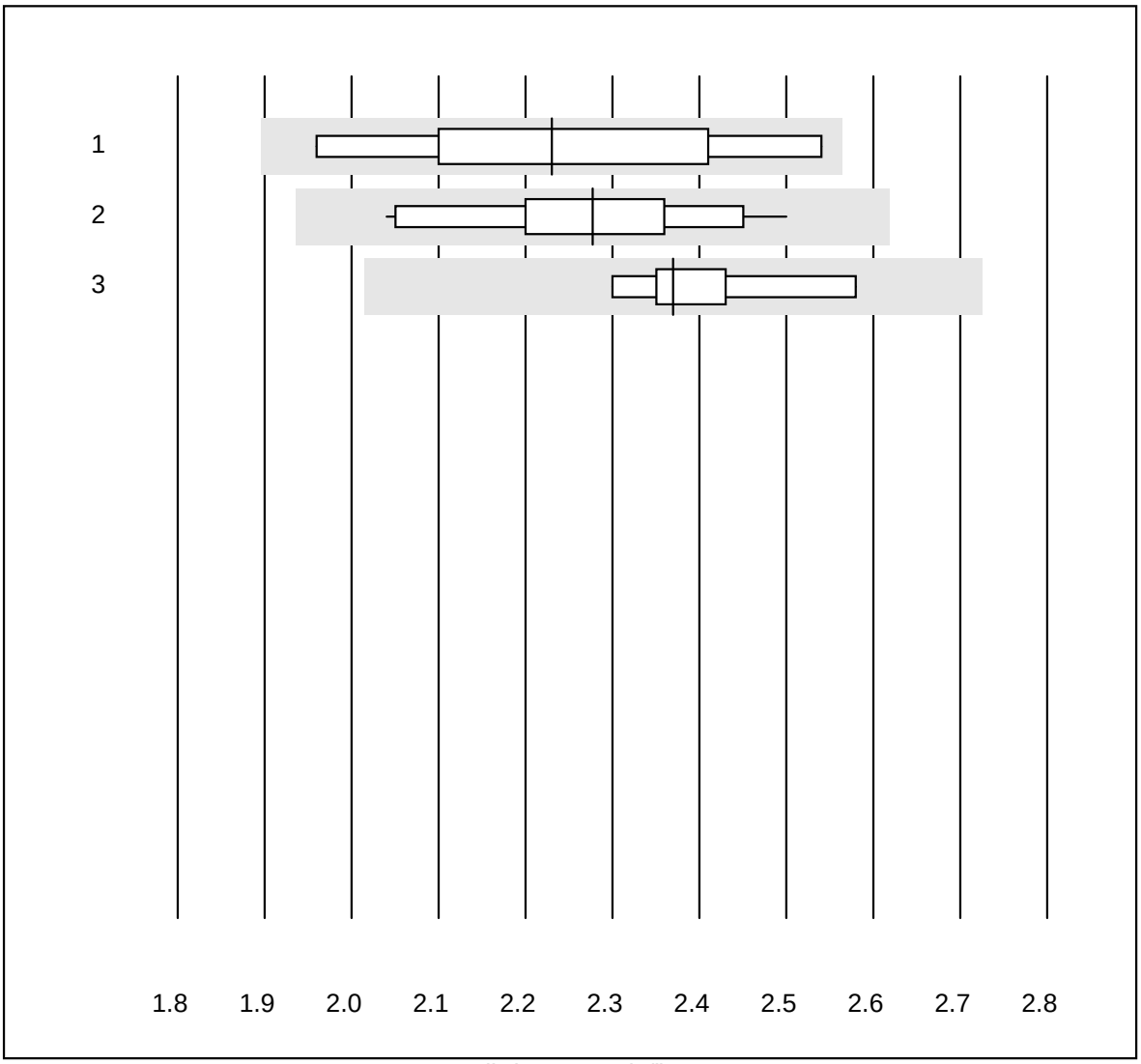


QUALAB tolerance : 15 %

Prothrombin time NT (%)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Neoplastin R	6	100.0	0.0	0.0	86	1.4
2	Innovin	15	100.0	0.0	0.0	92	6.3
3	all Participants	4	100.0	0.0	0.0	96	4.8
4	Recombiplastin IL	4	100.0	0.0	0.0	102	3.3

Fibrinogen N

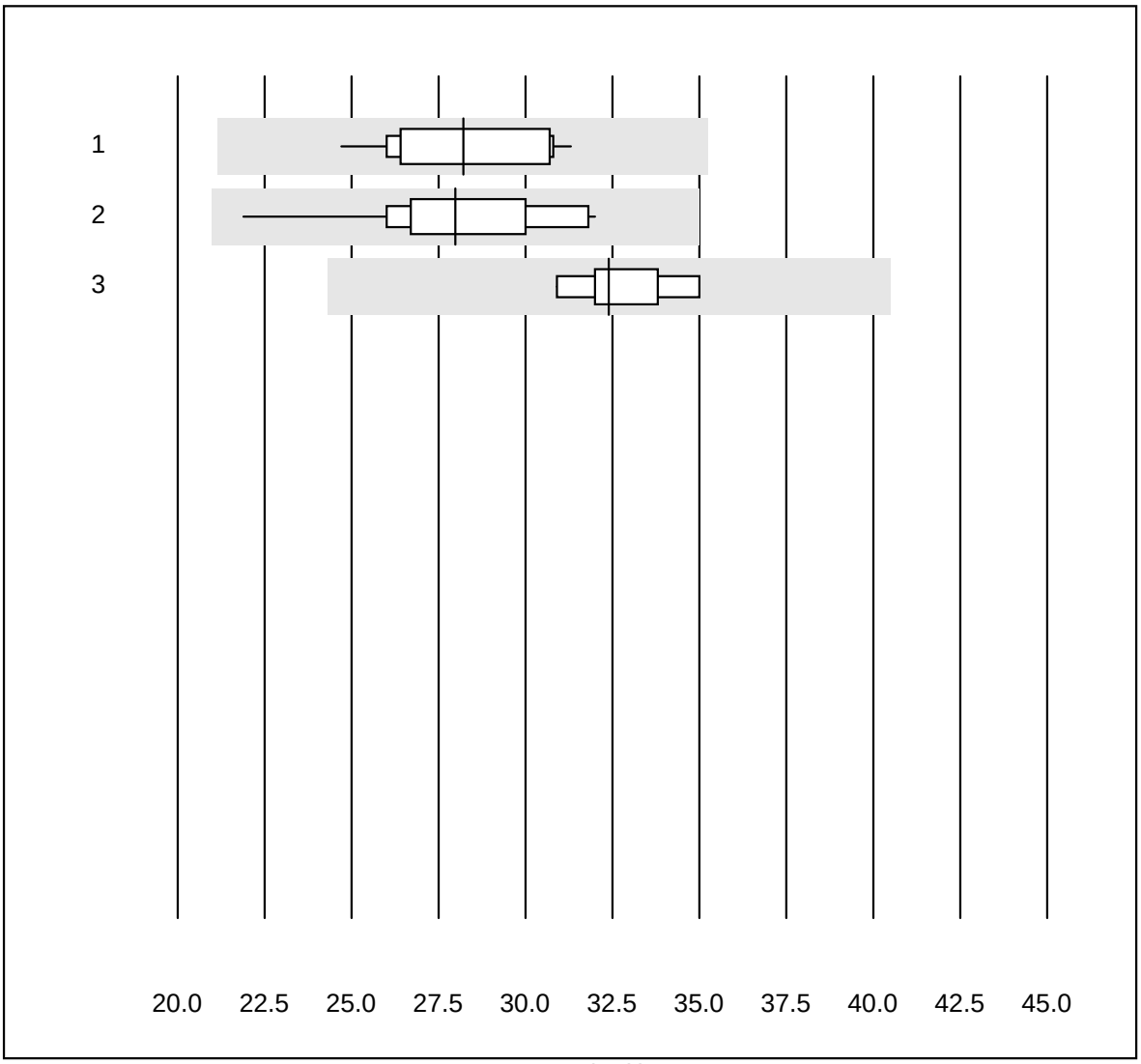


QUALAB tolerance : 15 %

Fibrinogen N (g/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Siemens Thrombin	9	100.0	0.0	0.0	2.23	9.5
2	Other methods	13	100.0	0.0	0.0	2.28	6.3
3	Stago/STA	7	100.0	0.0	0.0	2.37	3.7

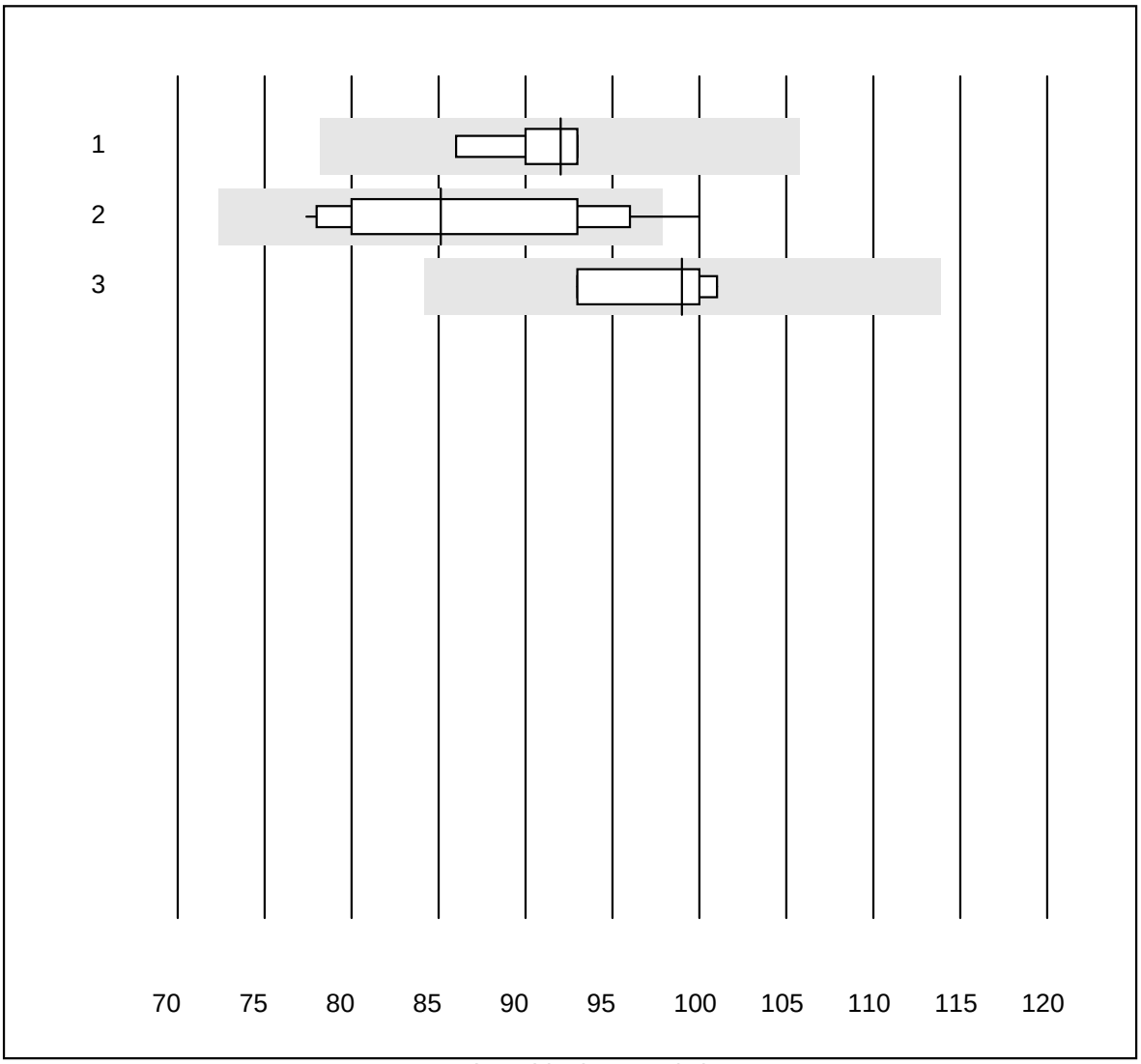
aPTT N



QUALAB tolerance : 25 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Actin FS	12	100.0	0.0	0.0	28.2	8.2
2	Other methods	13	100.0	0.0	0.0	28.0	9.9
3	Stago/STA	5	100.0	0.0	0.0	32.4	4.9

Prothrombin time HT

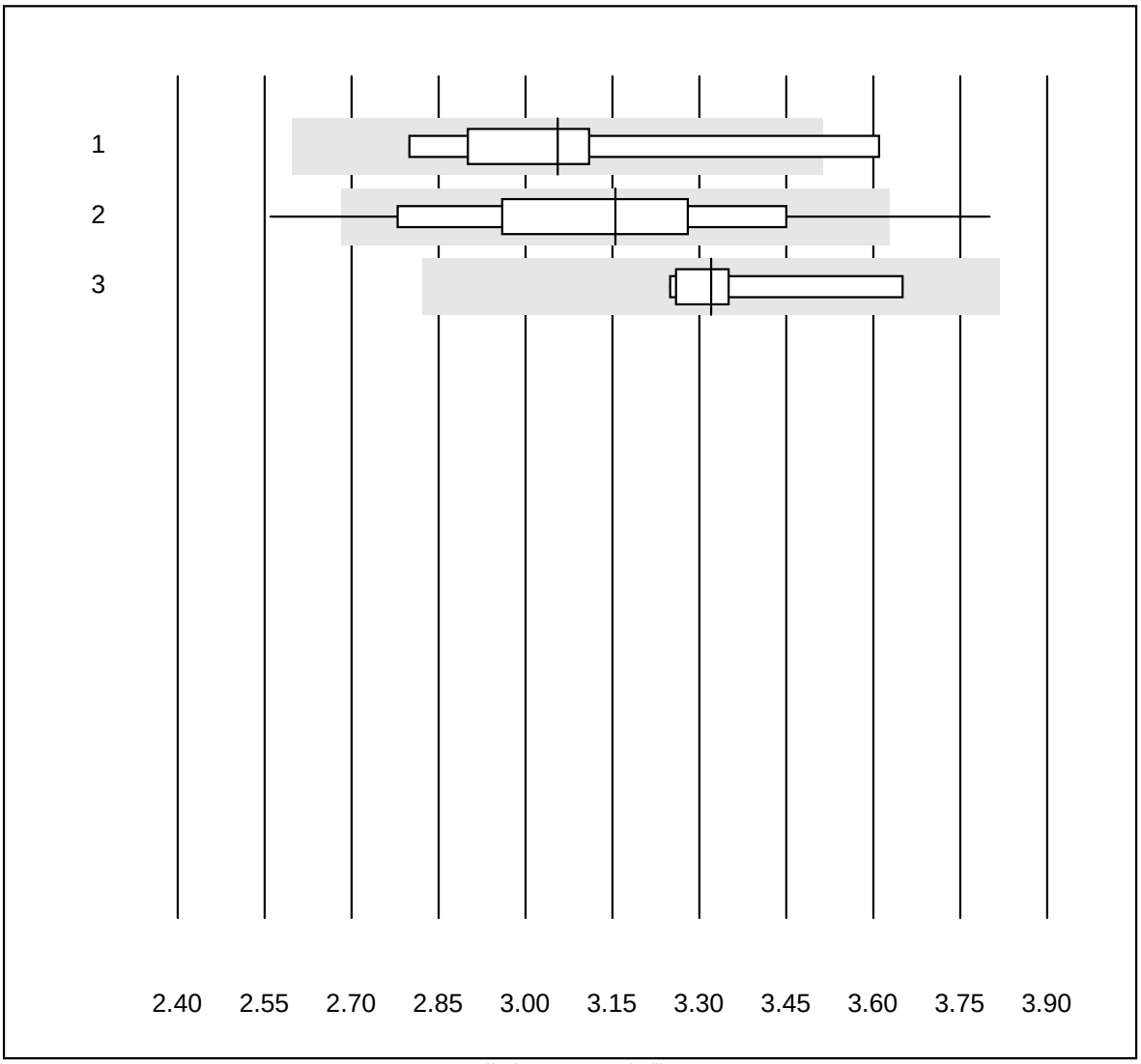


QUALAB tolerance : 15 %

Prothrombin time HT (%)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Neoplastin R	5	100.0	0.0	0.0	92	3.2
2	Innovin	13	92.3	7.7	0.0	85	8.7
3	Recombiplastin IL	4	100.0	0.0	0.0	99	3.6

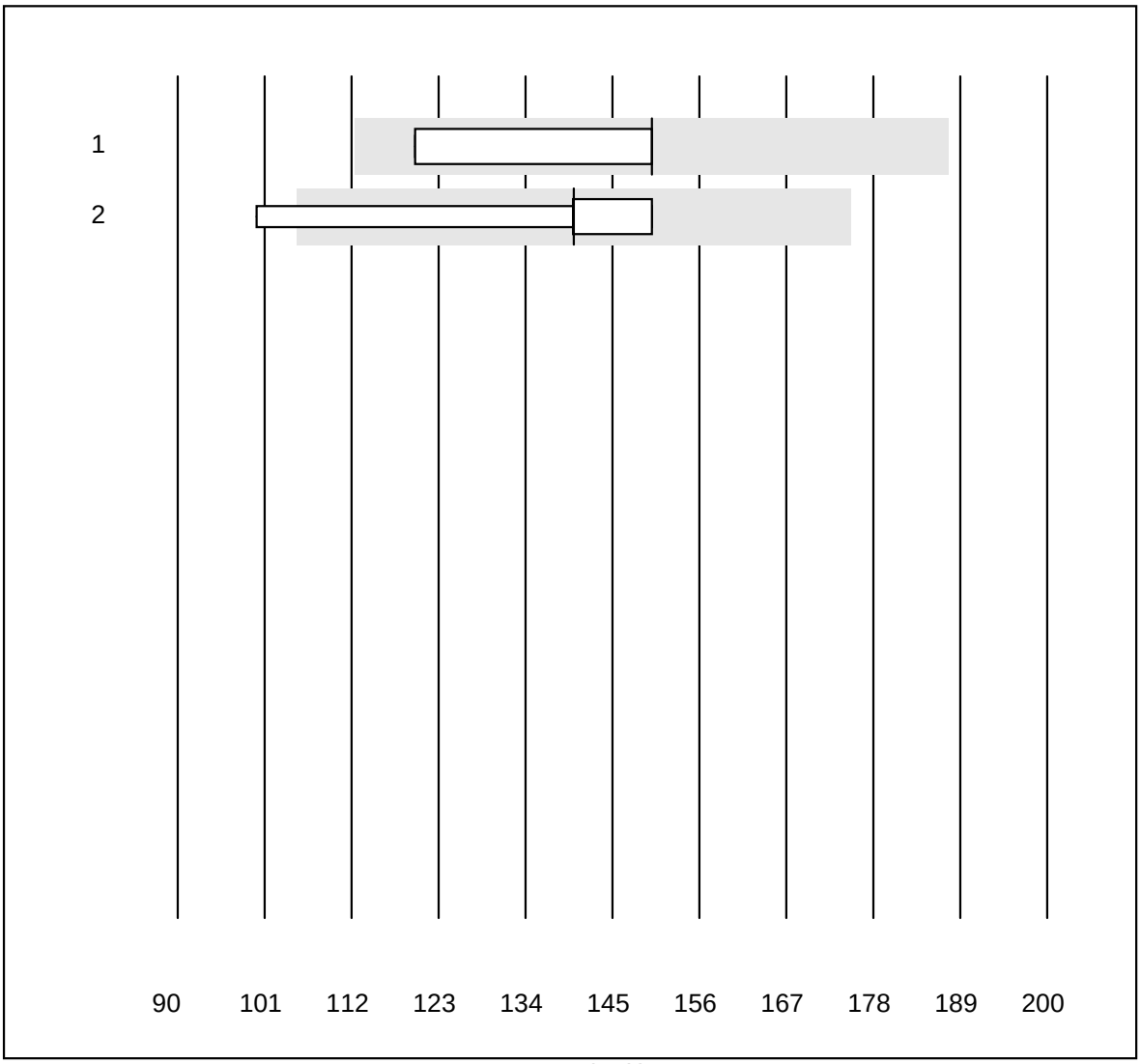
Fibrinogen H



QUALAB tolerance : 15 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Siemens Thrombin	8	87.5	12.5	0.0	3.06	8.6
2	Other methods	12	83.3	16.7	0.0	3.16	10.2
3	Stago/STA	5	100.0	0.0	0.0	3.32	4.9

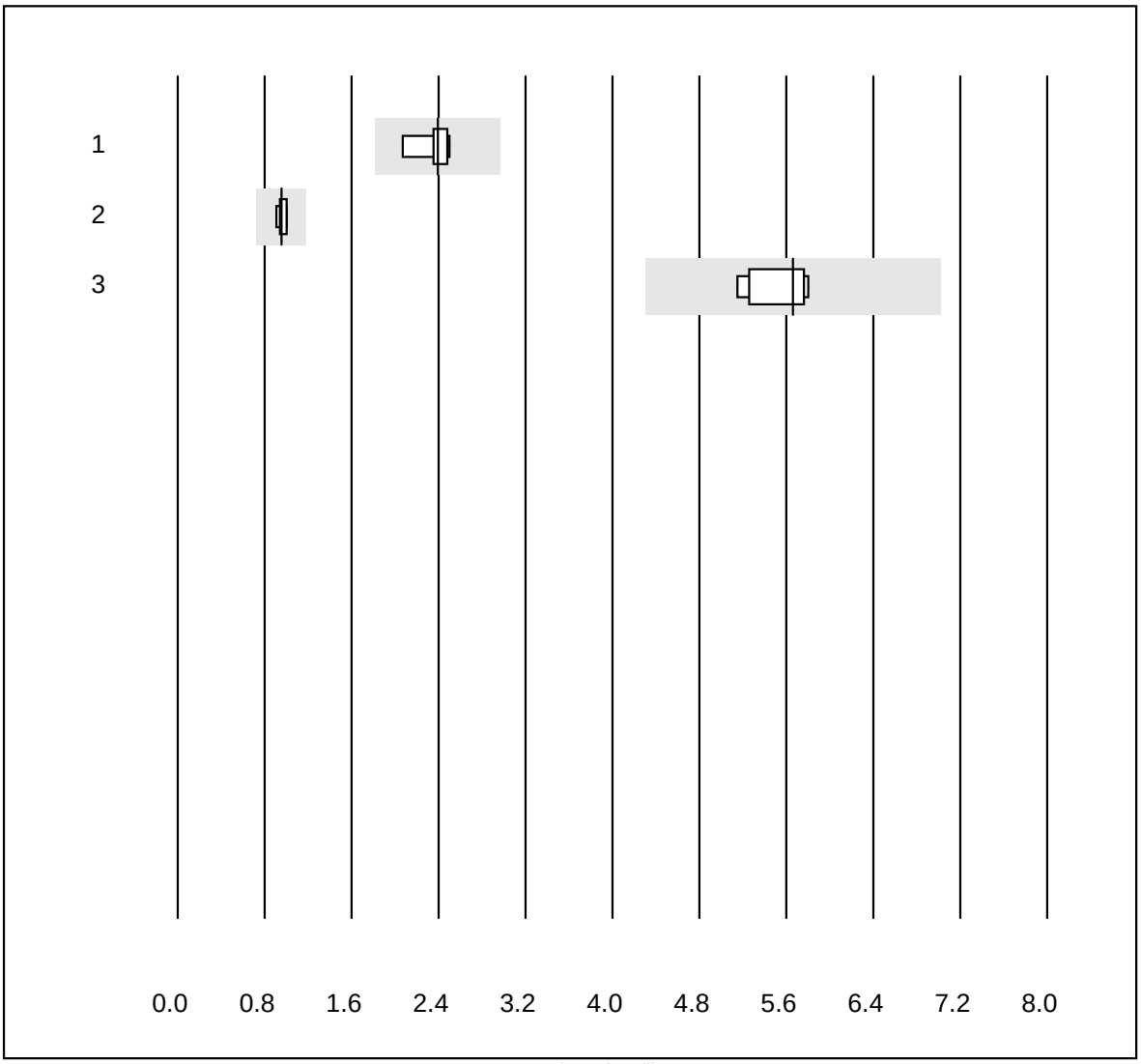
aPTT H



QUALAB tolerance : 25 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Actin FS	9	100.0	0.0	0.0	150.0	10.7
2	Other methods	10	90.0	10.0	0.0	140.1	12.0

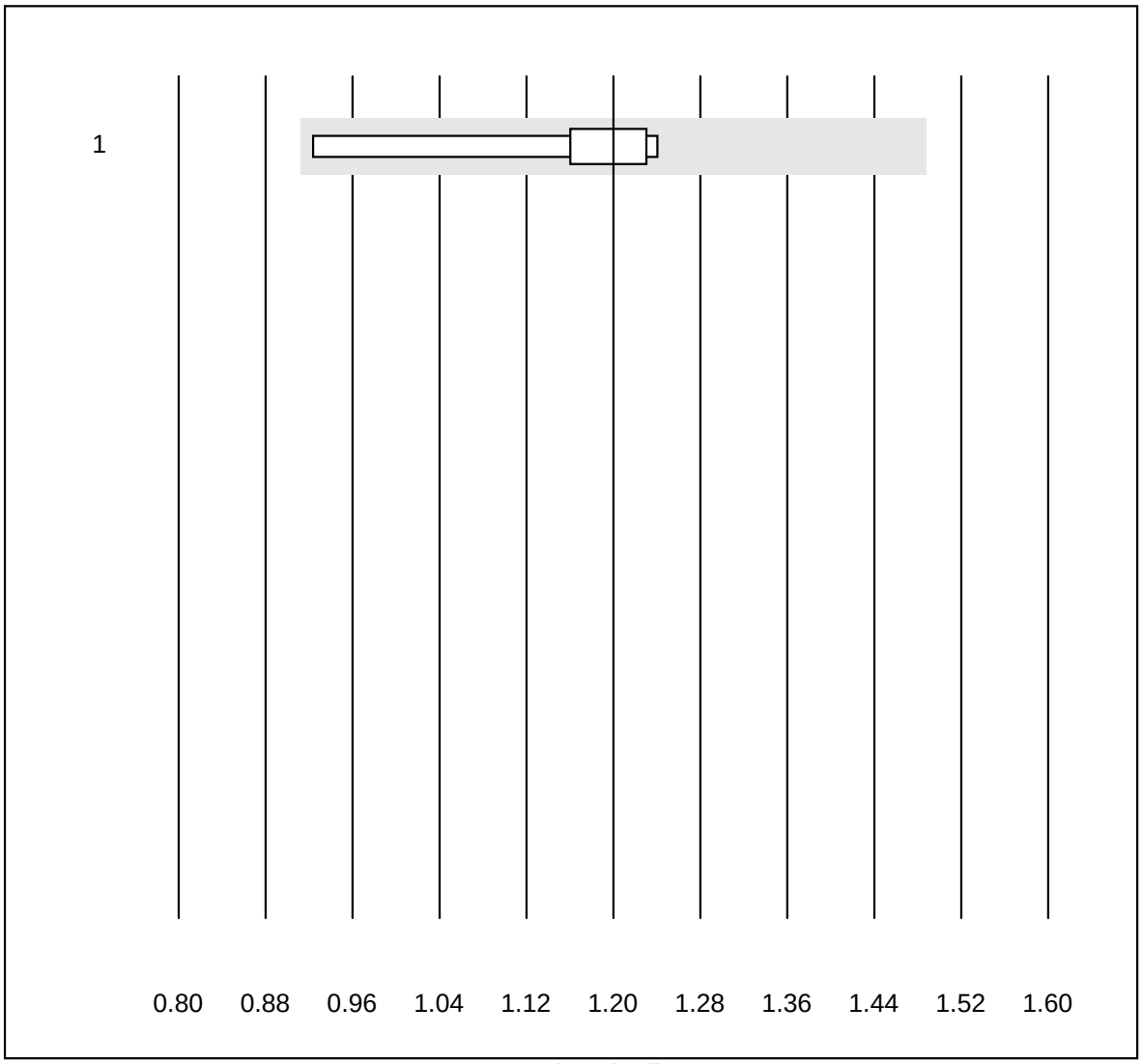
Troponin I



QUALAB tolerance : 24 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Vidas	9	100.0	0.0	0.0	2.4	6.4
2	AQT 90 FLEX	5	100.0	0.0	0.0	1.0	4.1
3	Advia Centaur	6	100.0	0.0	0.0	5.7	4.9

Troponin T

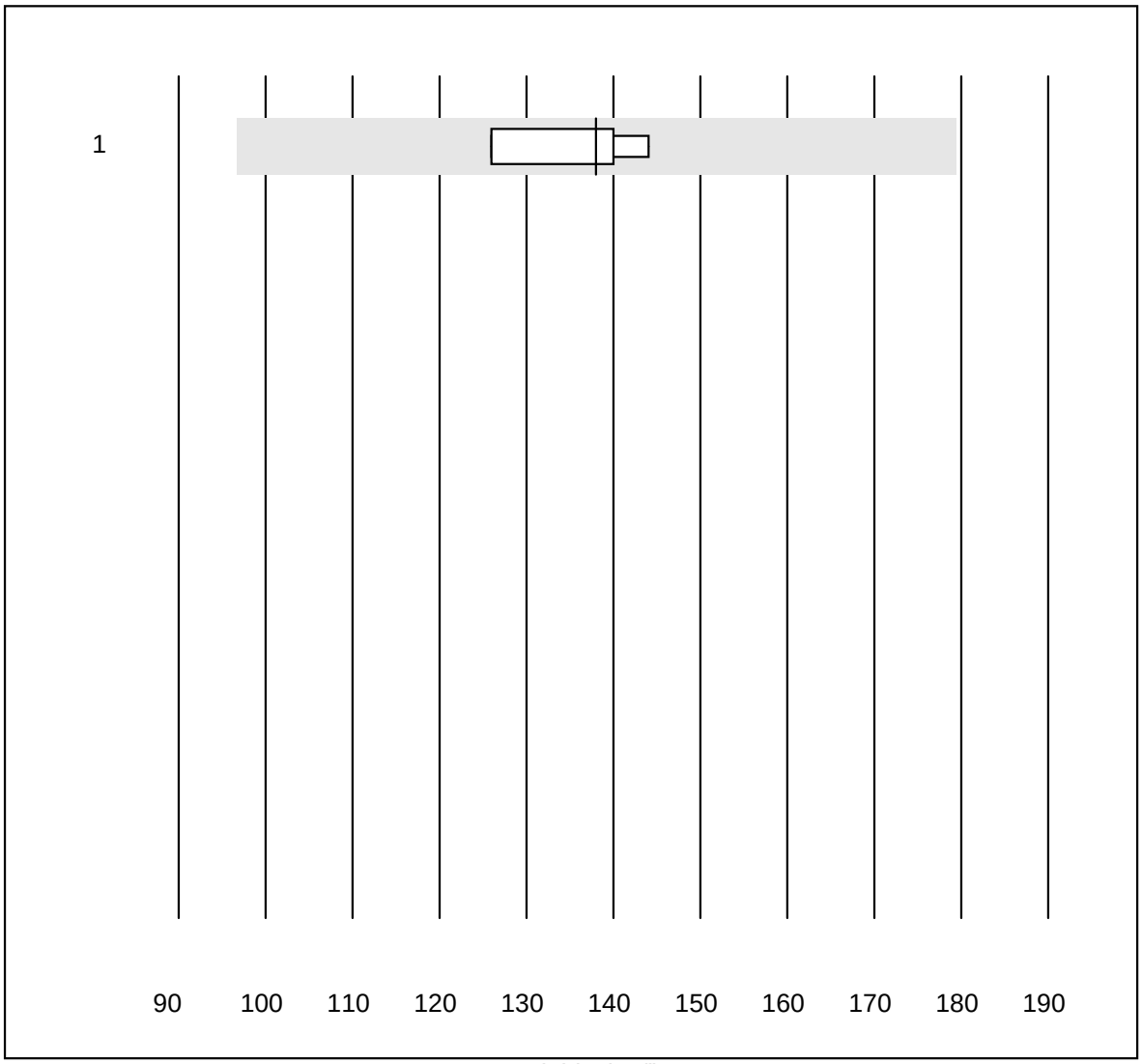


QUALAB tolerance : 24 %

Troponin T (ug/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Cobas hs STAT	6	100.0	0.0	0.0	1.20	10.2

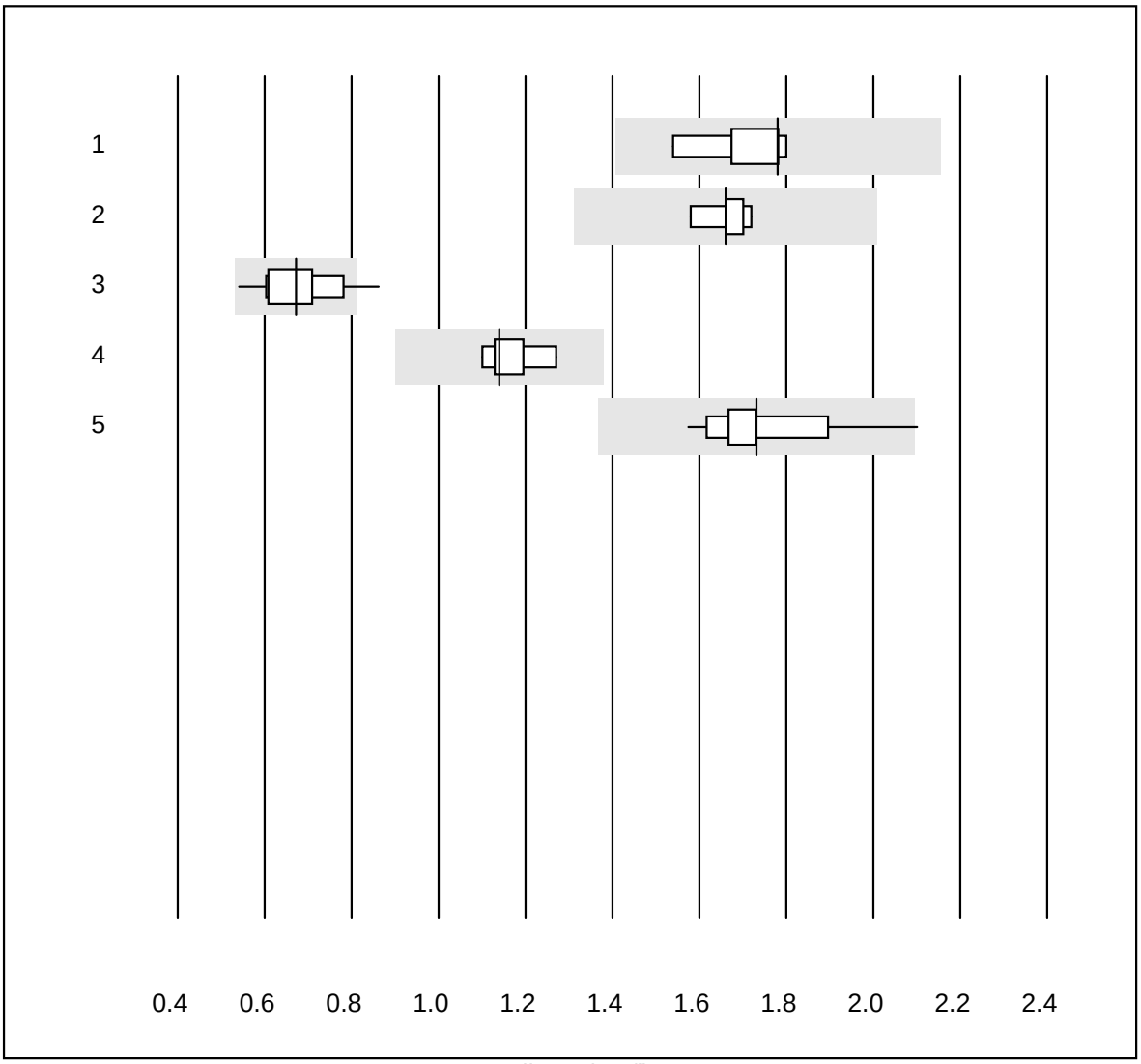
Myoglobin



QUALAB tolerance : 30 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Advia Centaur	4	100.0	0.0	0.0	138.0	5.7

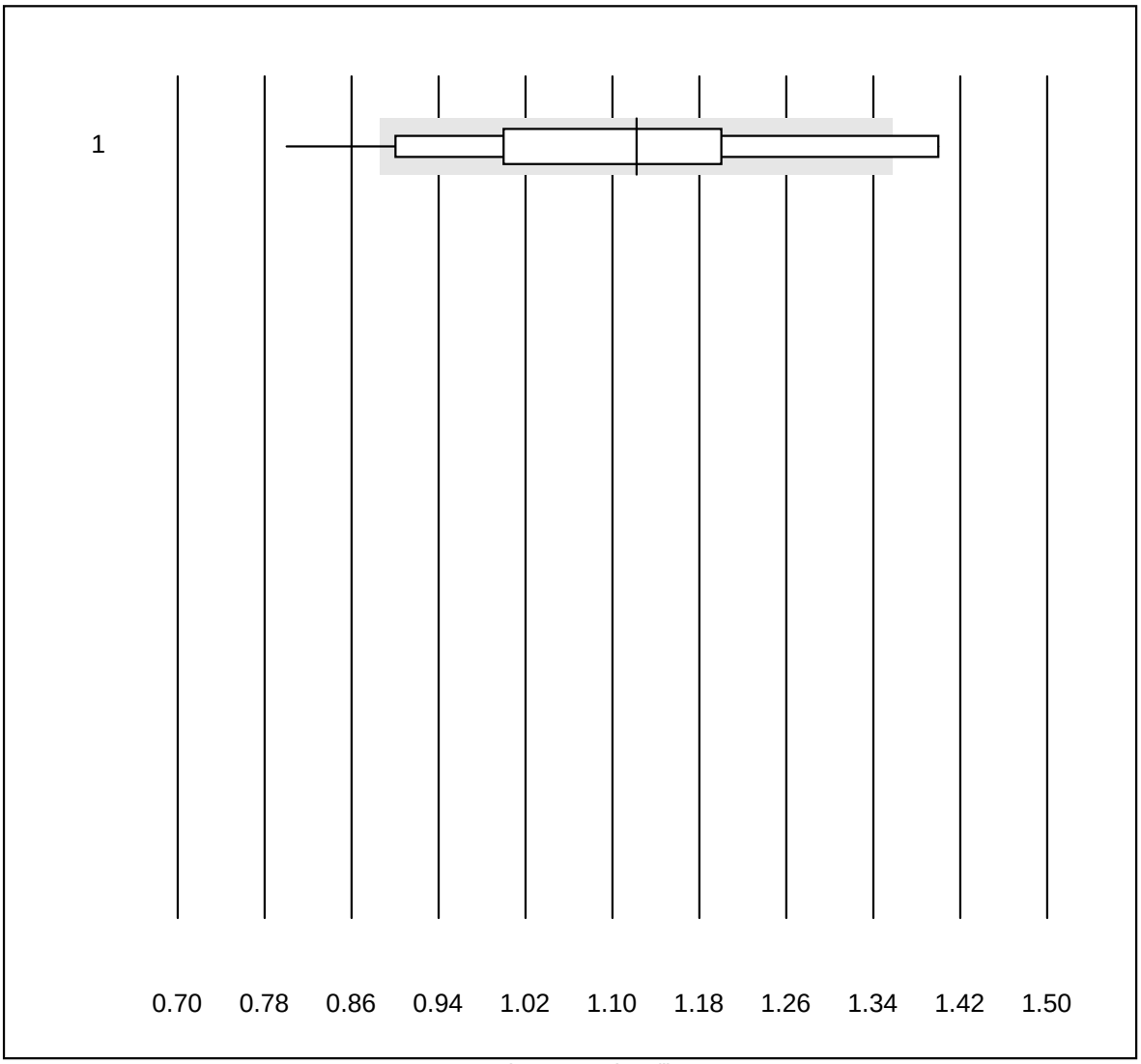
D-dimer



QUALAB tolerance : 21 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Cobas (Zitratplasma)	5	100.0	0.0	0.0	1.78	6.4
2	STA Liatest	9	100.0	0.0	0.0	1.66	2.5
3	Eurolyser Smart	13	84.6	7.7	7.7	0.67	13.0
4	AQT 90 FLEX	7	100.0	0.0	0.0	1.14	4.8
5	Vidas	12	91.7	8.3	0.0	1.73	7.9

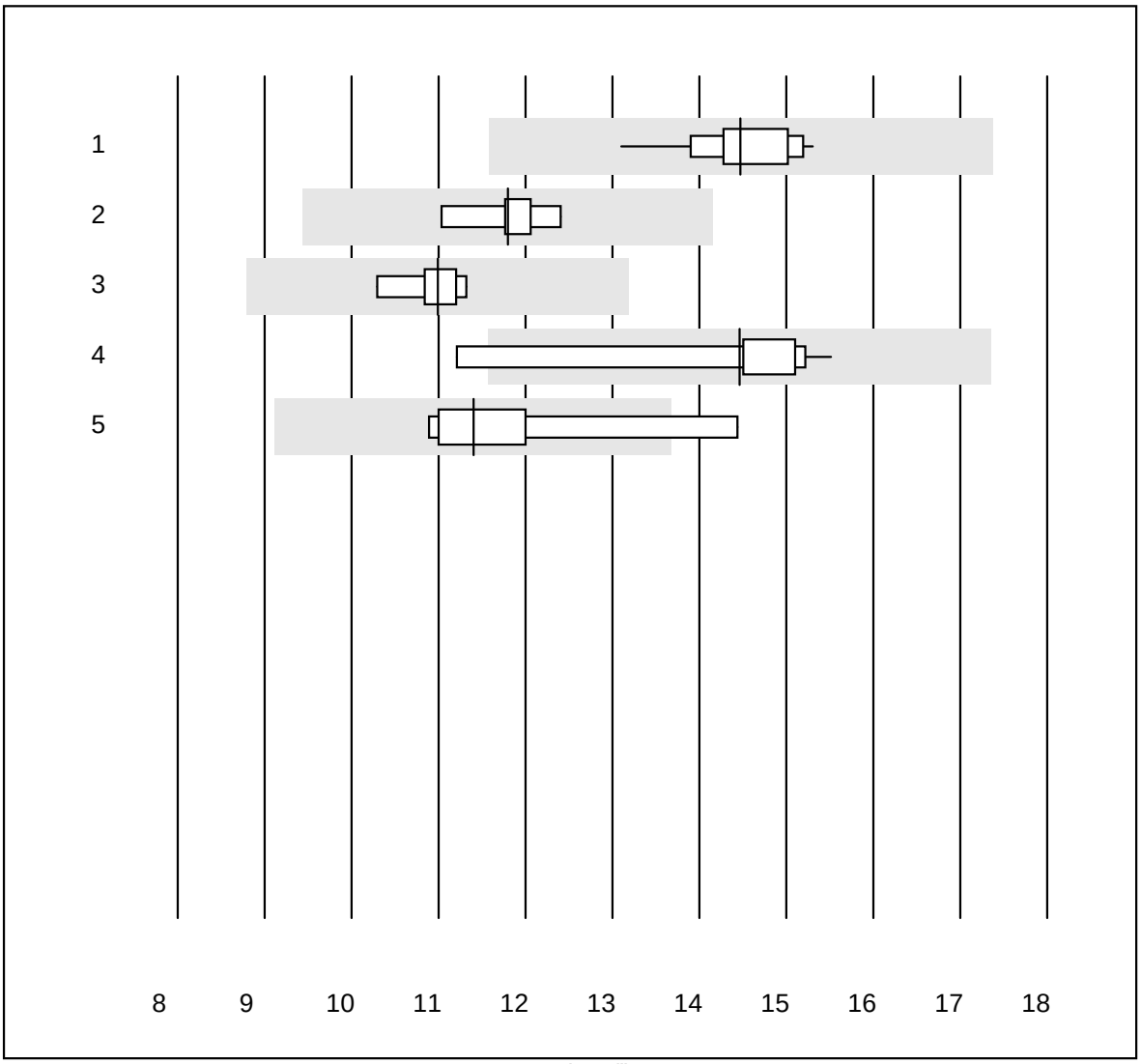
D-Dimer NC



QUALAB tolerance : 21 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	NycoCard	154	64.3	12.3	23.4	1.12	15.1

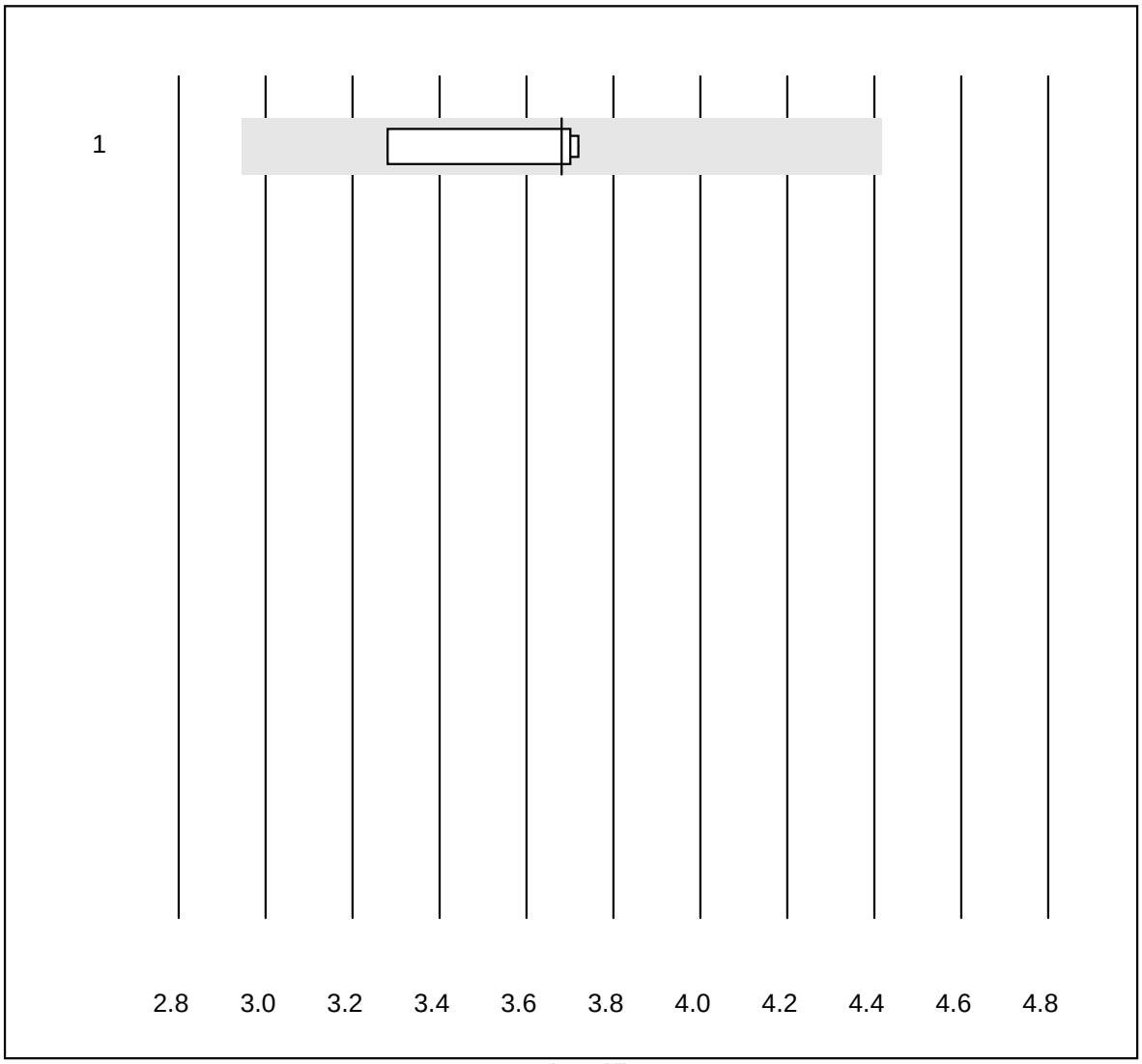
TSH



QUALAB tolerance : 20 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Cobas E / Elecsys	11	100.0	0.0	0.0	14.5	4.3
2	Advia Centaur	5	100.0	0.0	0.0	11.8	4.3
3	Architect	5	100.0	0.0	0.0	11.0	3.7
4	Vidas	10	90.0	10.0	0.0	14.5	8.3
5	Other methods	5	80.0	20.0	0.0	11.4	12.2

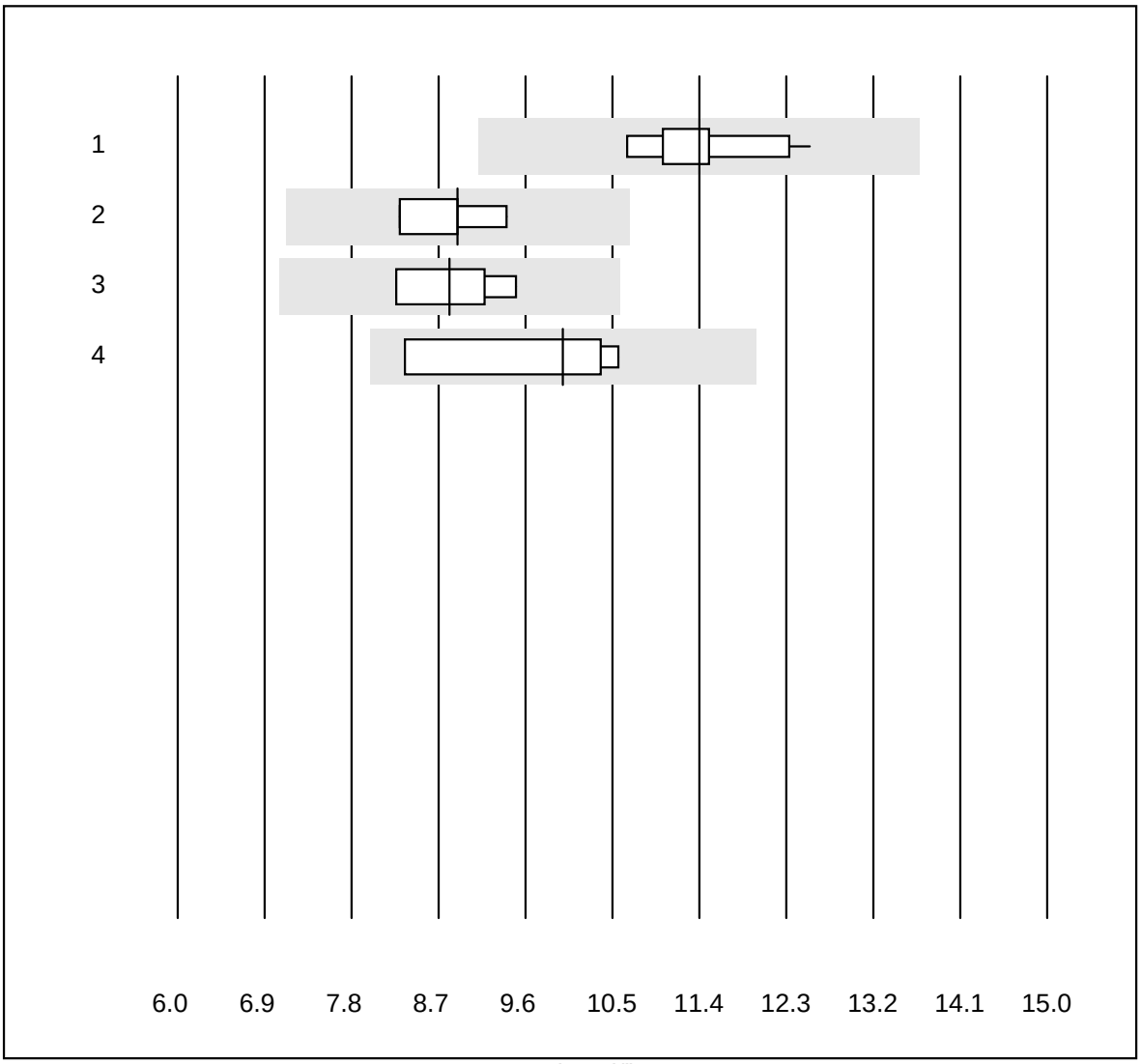
T3



QUALAB tolerance : 20 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Cobas E / Elecsys	4	100.0	0.0	0.0	3.7	5.8

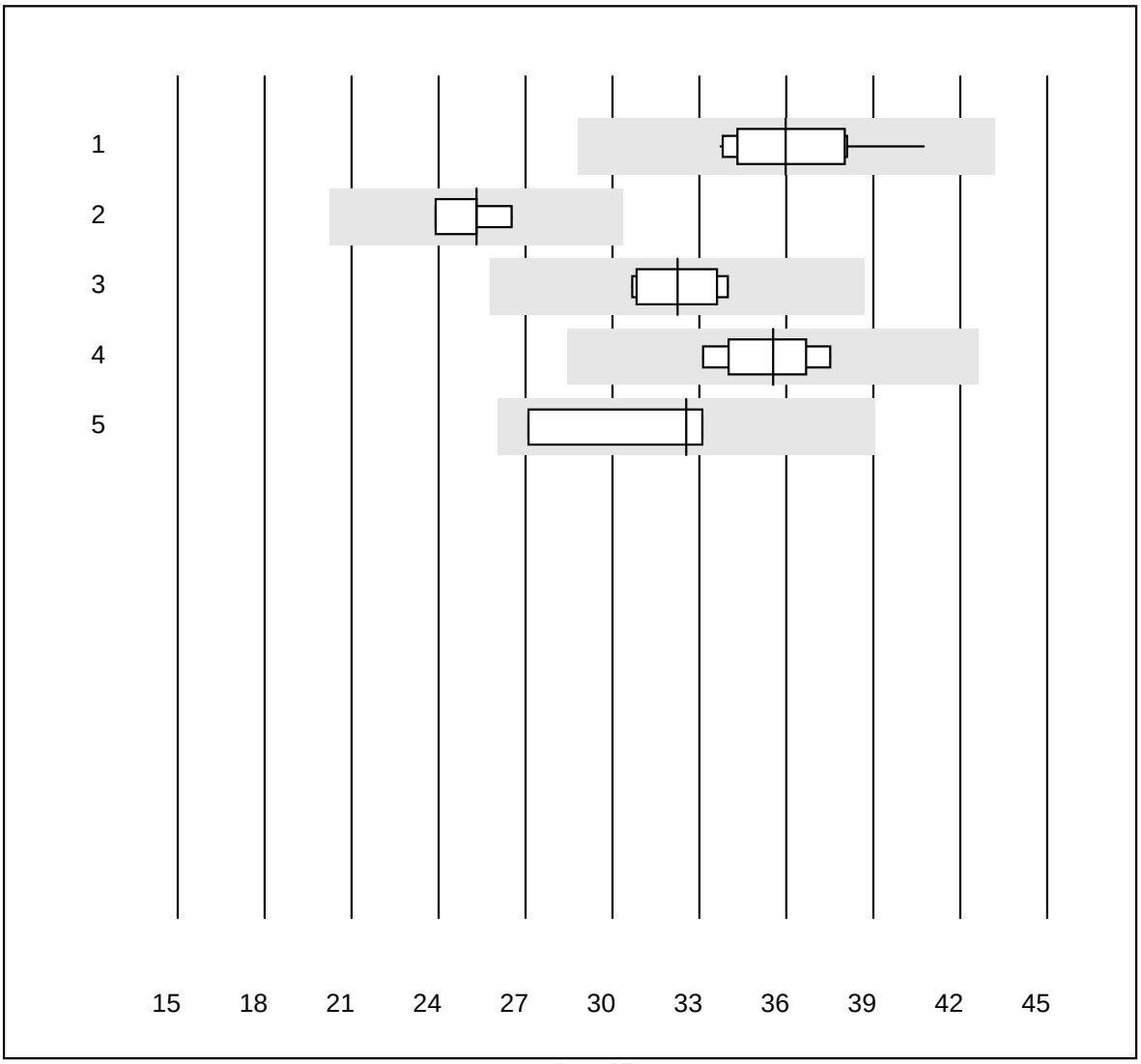
FT3



QUALAB tolerance : 20 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Cobas E / Elecsys	10	100.0	0.0	0.0	11.4	5.3
2	Advia Centaur	4	100.0	0.0	0.0	8.9	5.1
3	Architect	4	100.0	0.0	0.0	8.8	6.7
4	Vidas	4	100.0	0.0	0.0	10.0	10.3

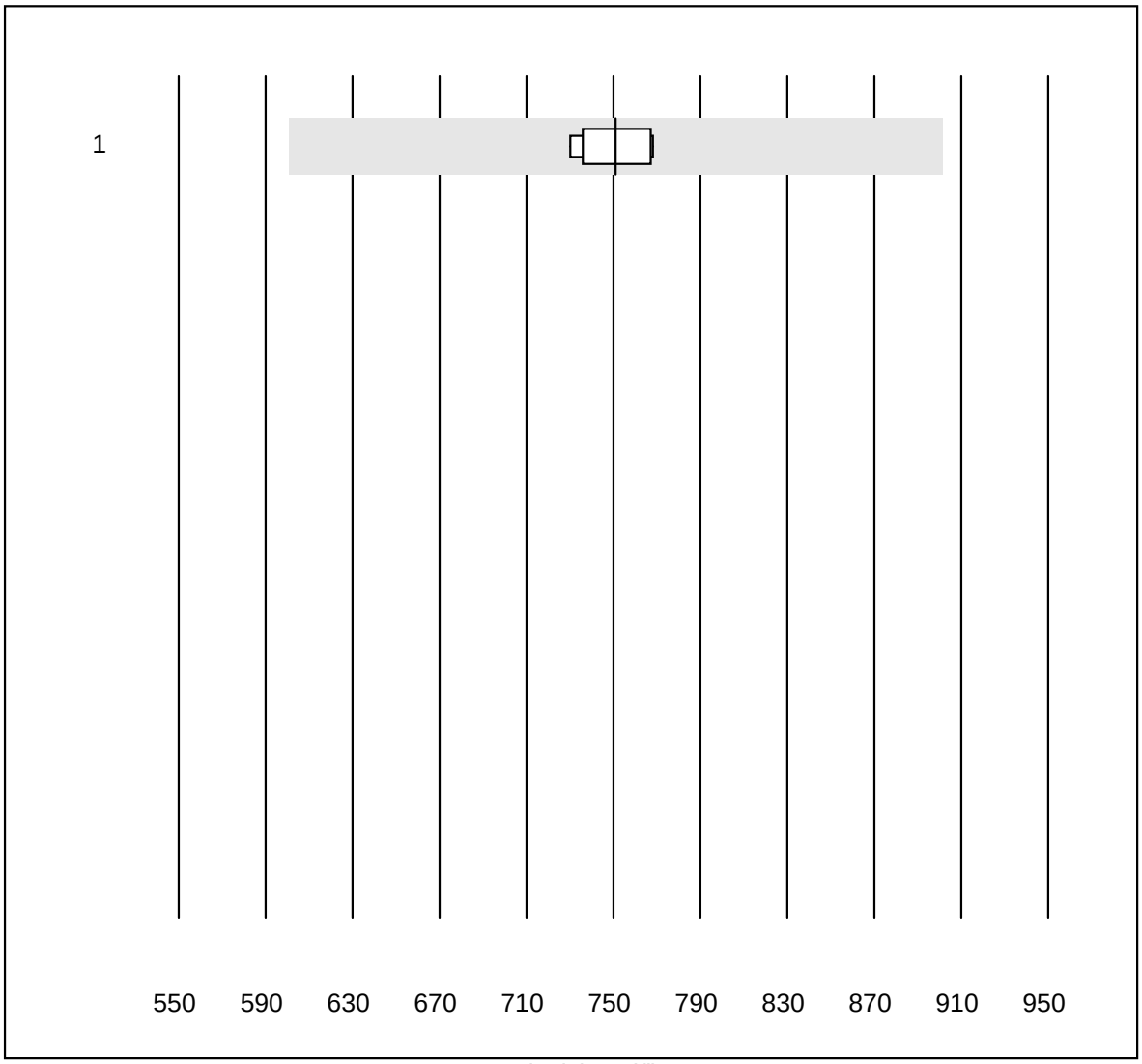
FT4



QUALAB tolerance : 20 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Cobas E / Elecsys	11	100.0	0.0	0.0	36.0	6.0
2	Advia Centaur	4	100.0	0.0	0.0	25.3	5.0
3	Architect	5	100.0	0.0	0.0	32.2	4.7
4	Vidas	6	100.0	0.0	0.0	35.5	4.7
5	Other methods	4	75.0	0.0	25.0	32.6	10.4

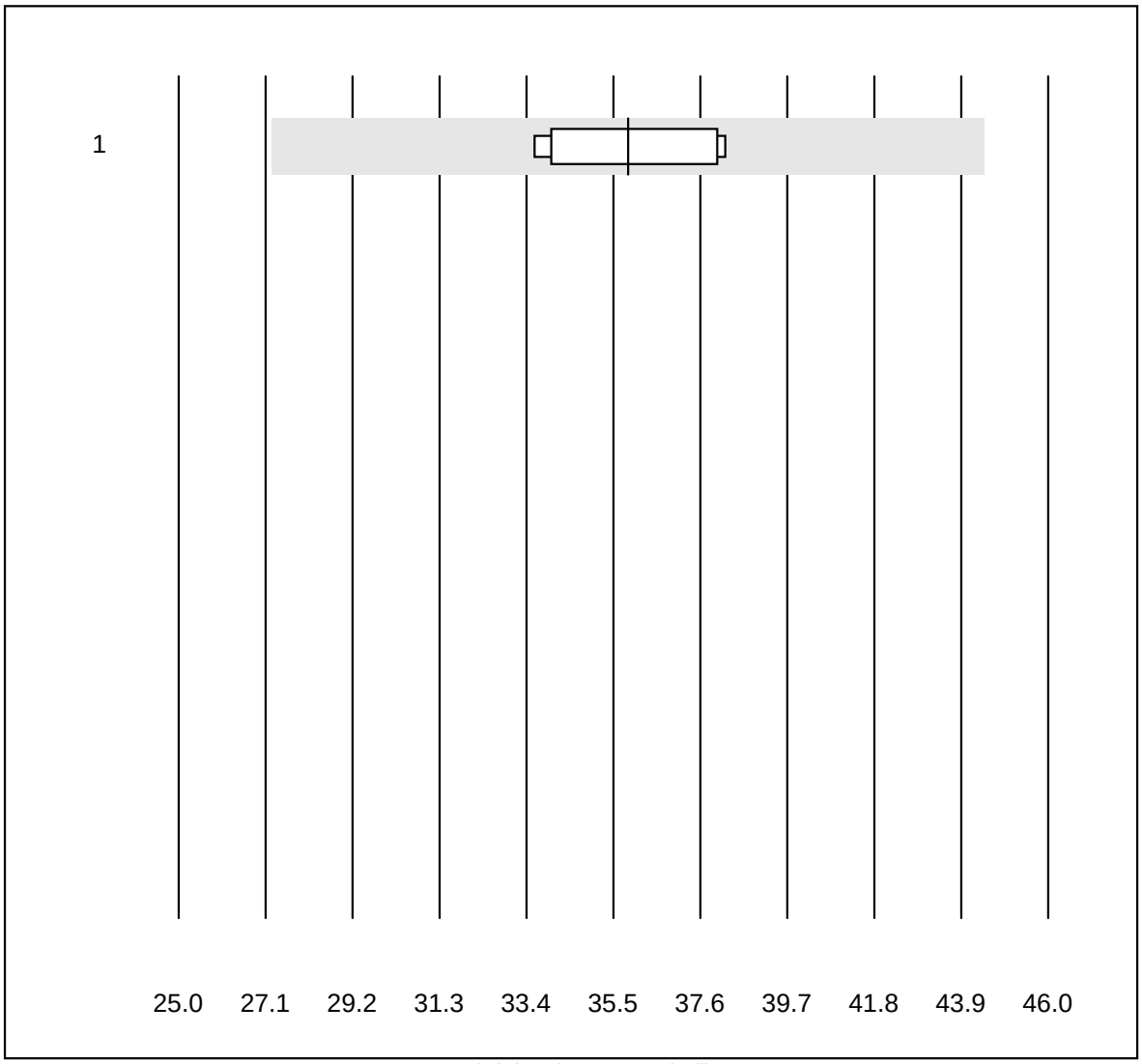
Cortisol



QUALAB tolerance : 20 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Cobas E / Elecsys	5	100.0	0.0	0.0	751	2.3

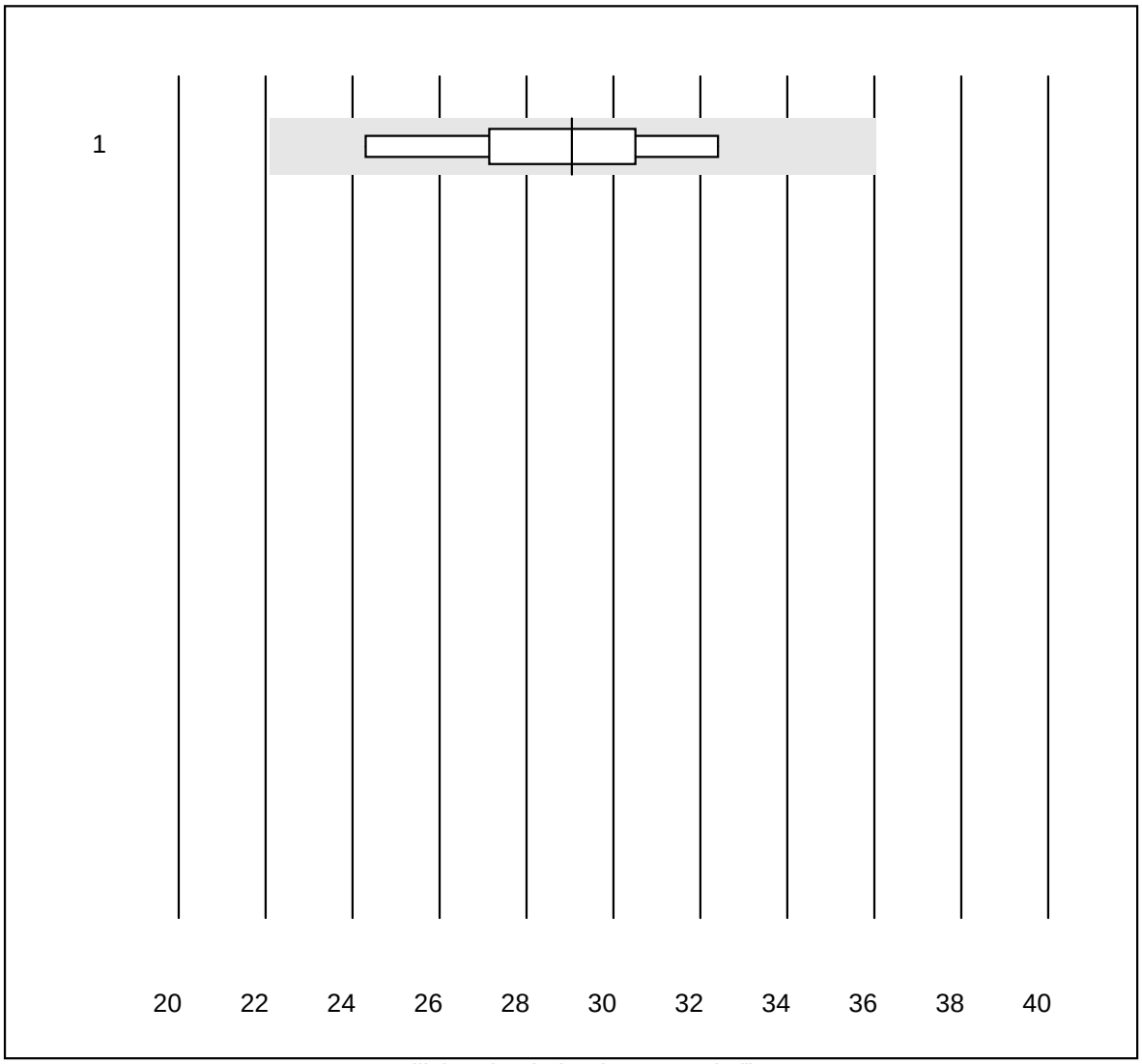
Luteinizing hormone



QUALAB tolerance : 24 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Other methods	6	100.0	0.0	0.0	35.9	5.5

Follicle-stimulating hormone

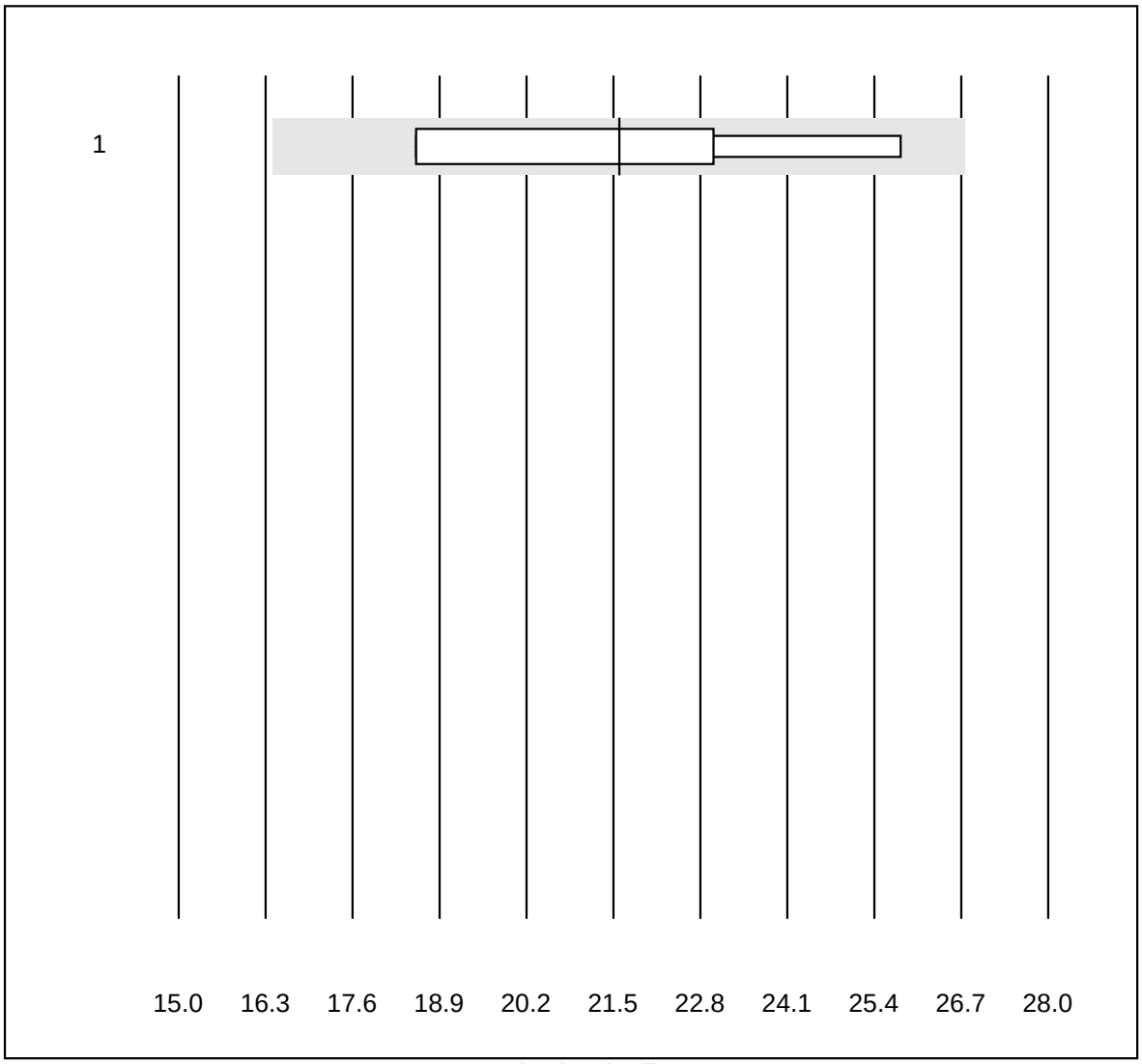


QUALAB tolerance : 24 %

Follicle-stimulating hormone (U/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Other methods	6	100.0	0.0	0.0	29.1	10.0

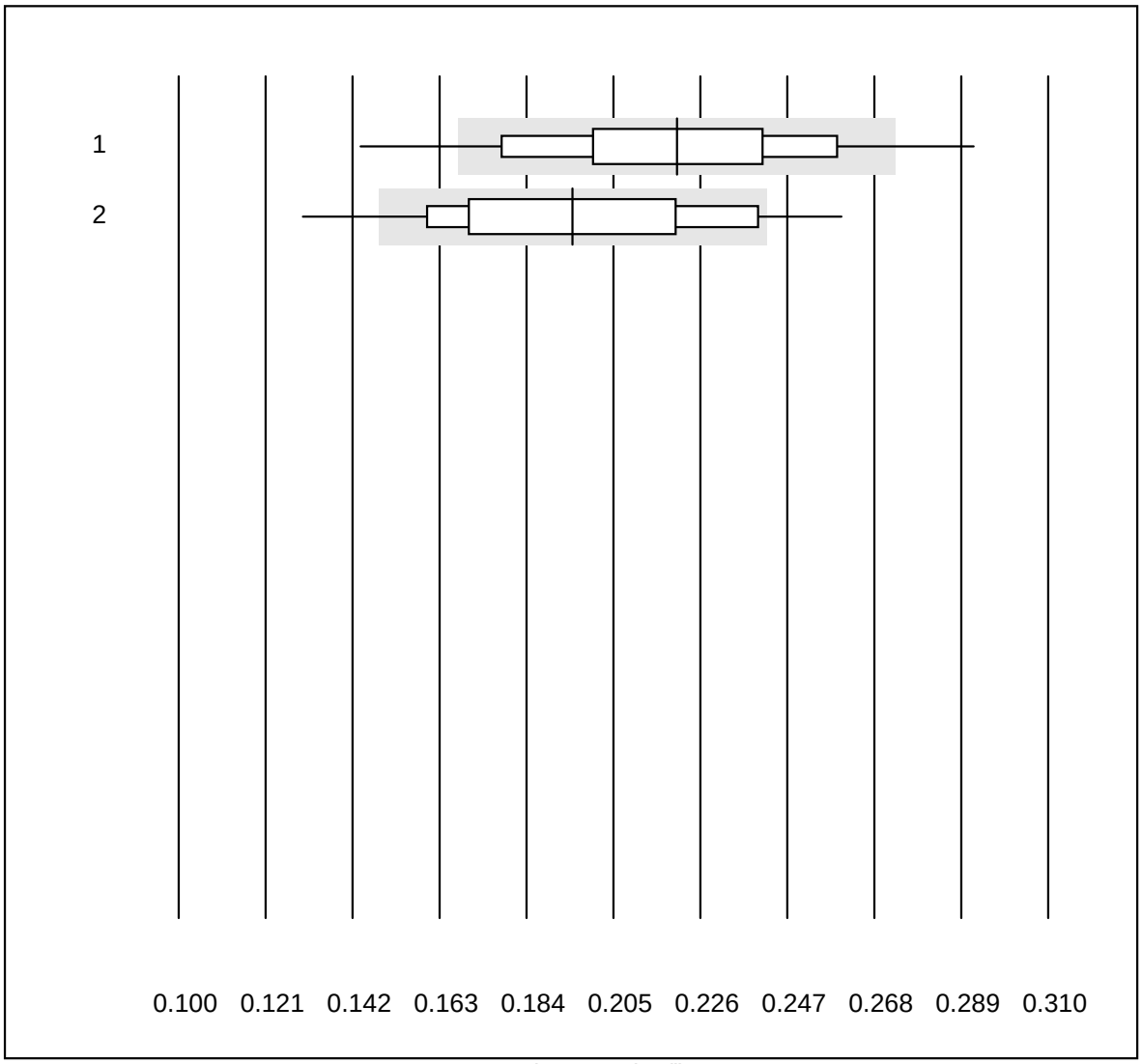
Prolactine



QUALAB tolerance : 24 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Other methods	4	100.0	0.0	0.0	21.6	14.6

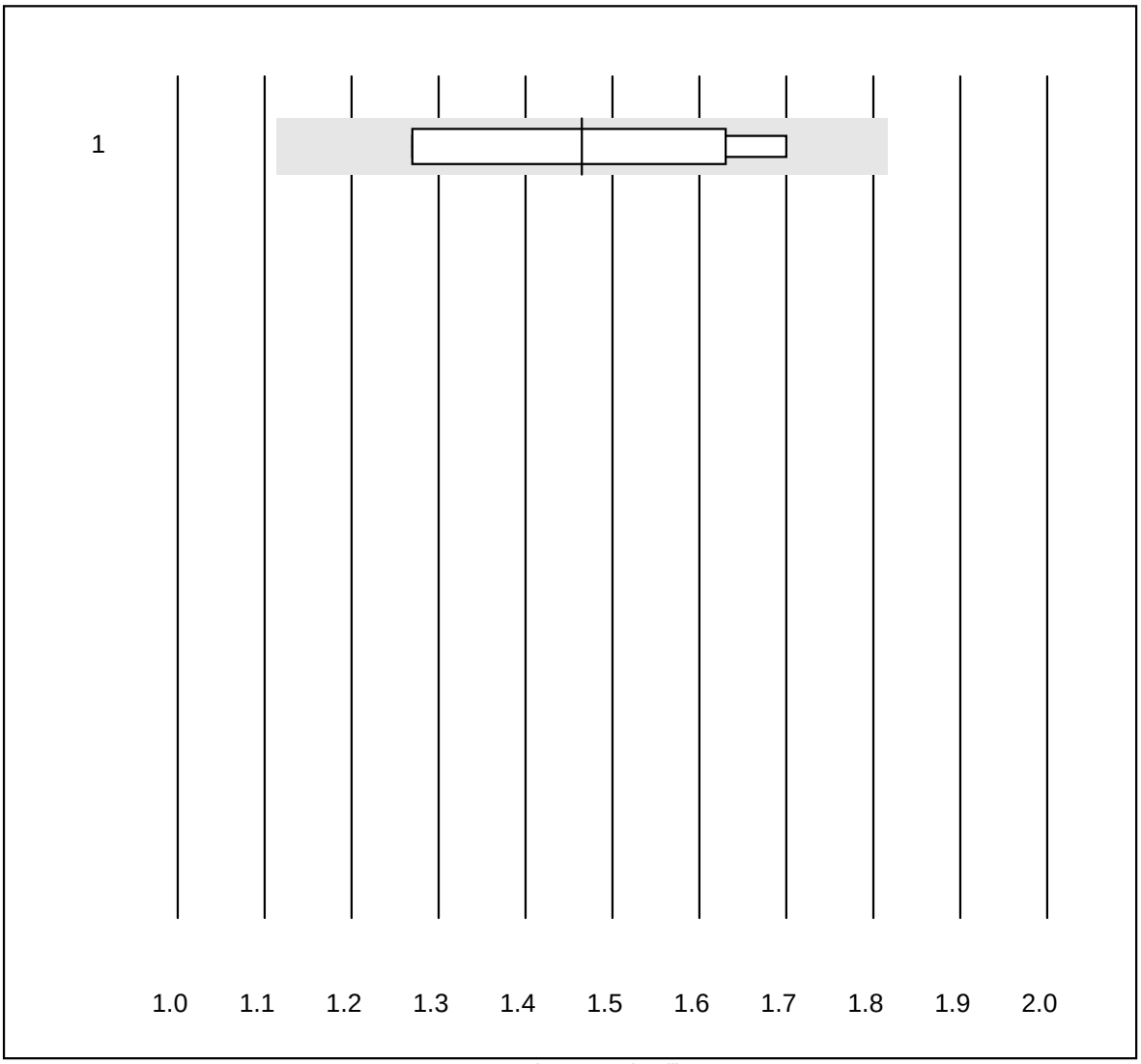
Troponin T CR



QUALAB tolerance : 24 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Cobas h 232	503	89.5	8.5	2.0	0.22	13.8
2	Cardiac Reader	106	87.8	11.3	0.9	0.20	15.7

Troponin I WB

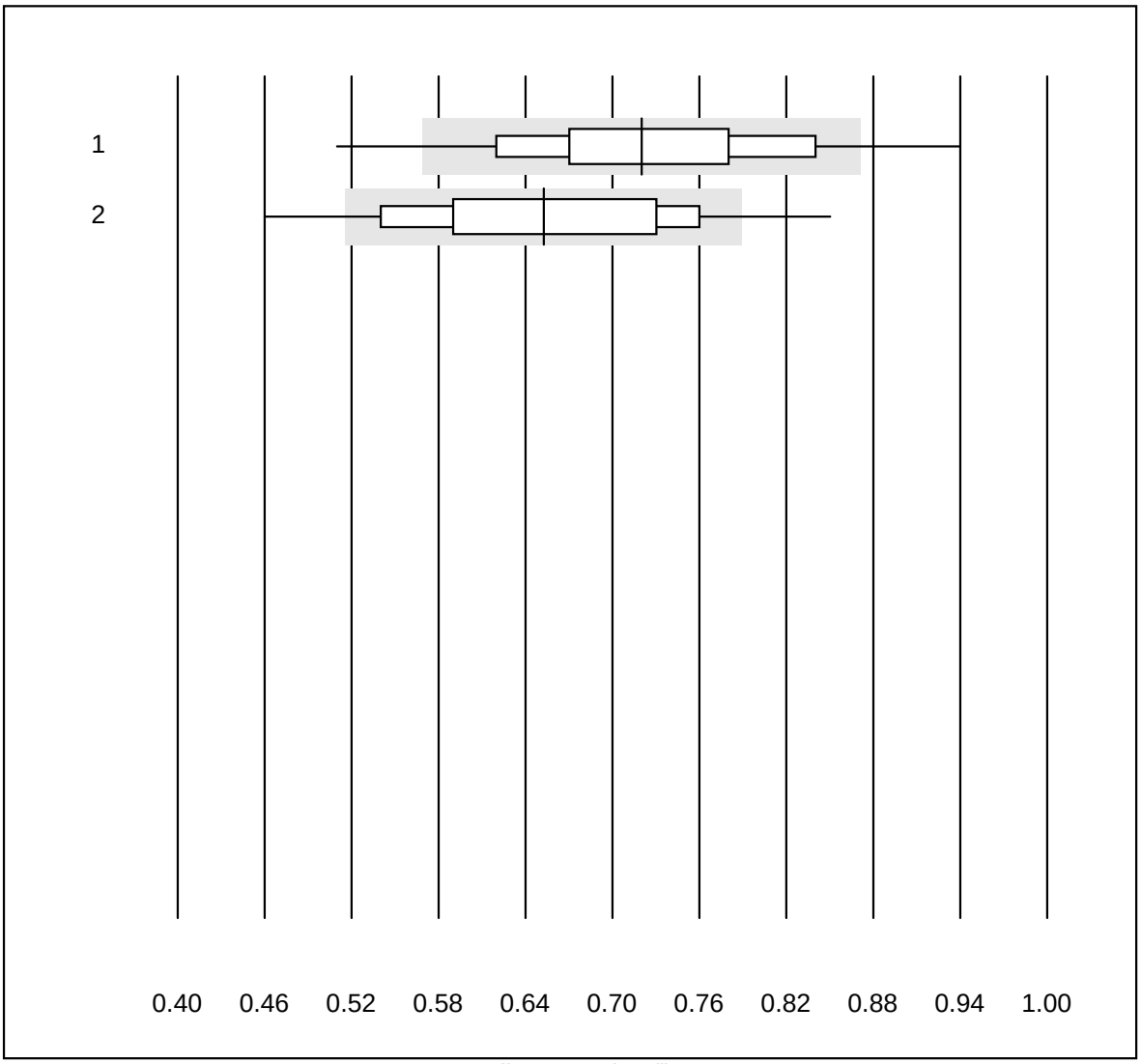


QUALAB tolerance : 24 %

Troponin I WB (ug/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	iStat	4	100.0	0.0	0.0	1.47	15.0

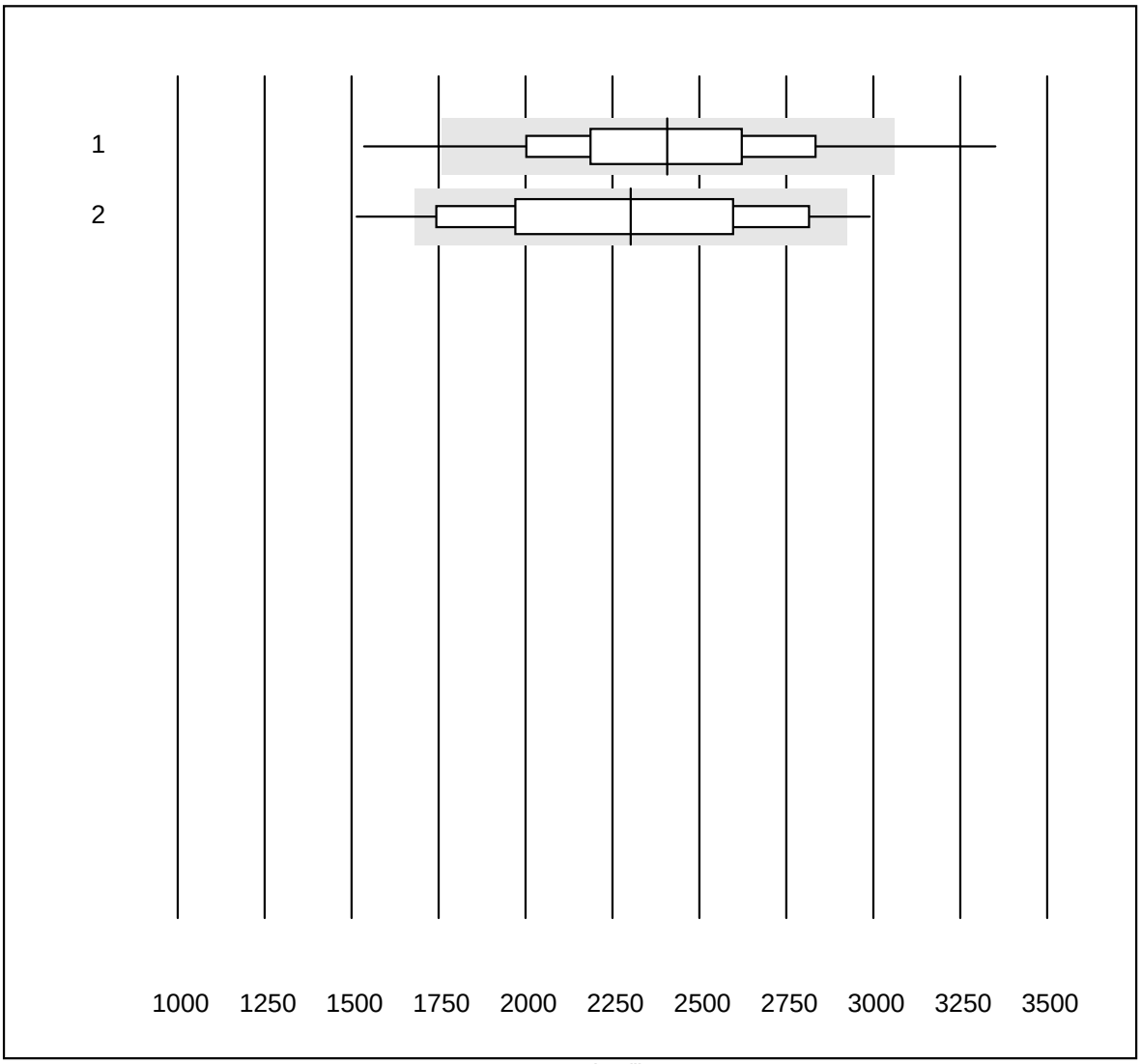
D-dimer CR



QUALAB tolerance : 21 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Cobas h 232	508	90.8	5.3	3.9	0.72	11.5
2	Cardiac Reader	97	82.5	13.4	4.1	0.65	14.1

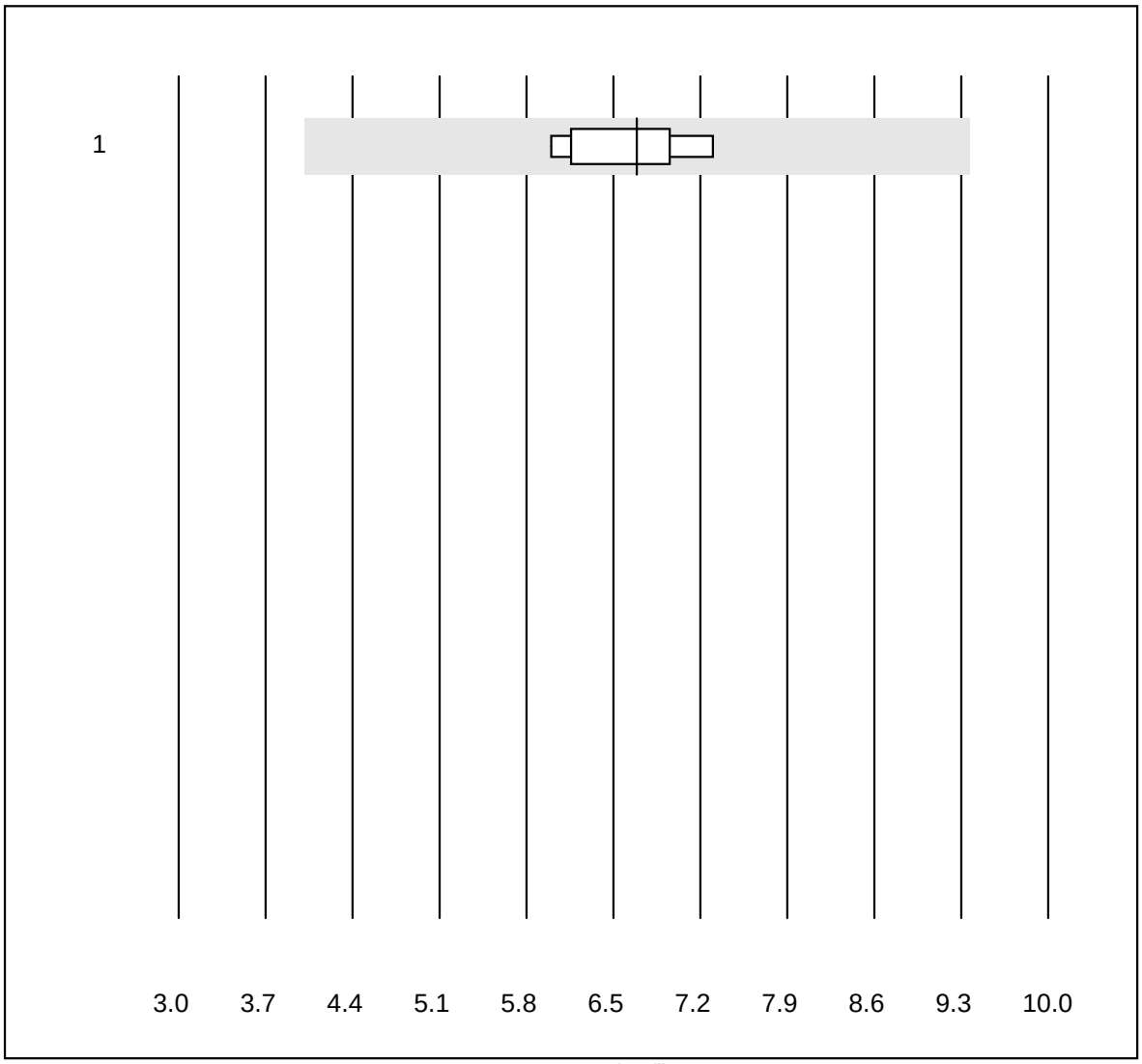
proBNP



QUALAB tolerance : 27 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Cobas h 232	318	89.9	6.3	3.8	2408	13.8
2	Cardiac Reader	32	81.2	18.8	0.0	2302	18.5

CKMB - K8

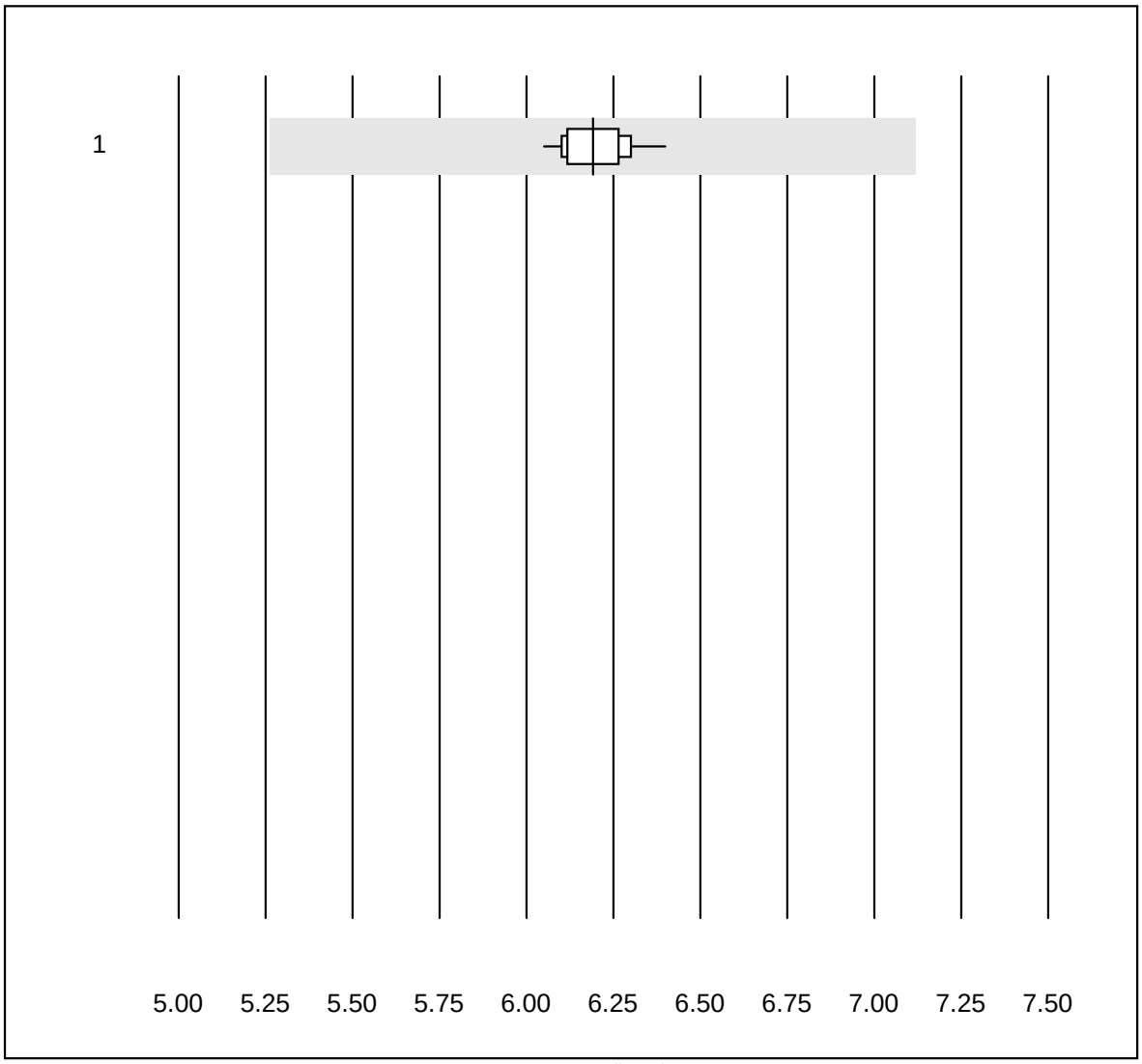


QUALAB tolerance : 40 %

CKMB - K8 (ug/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Cobas h 232	7	100.0	0.0	0.0	6.7	6.7

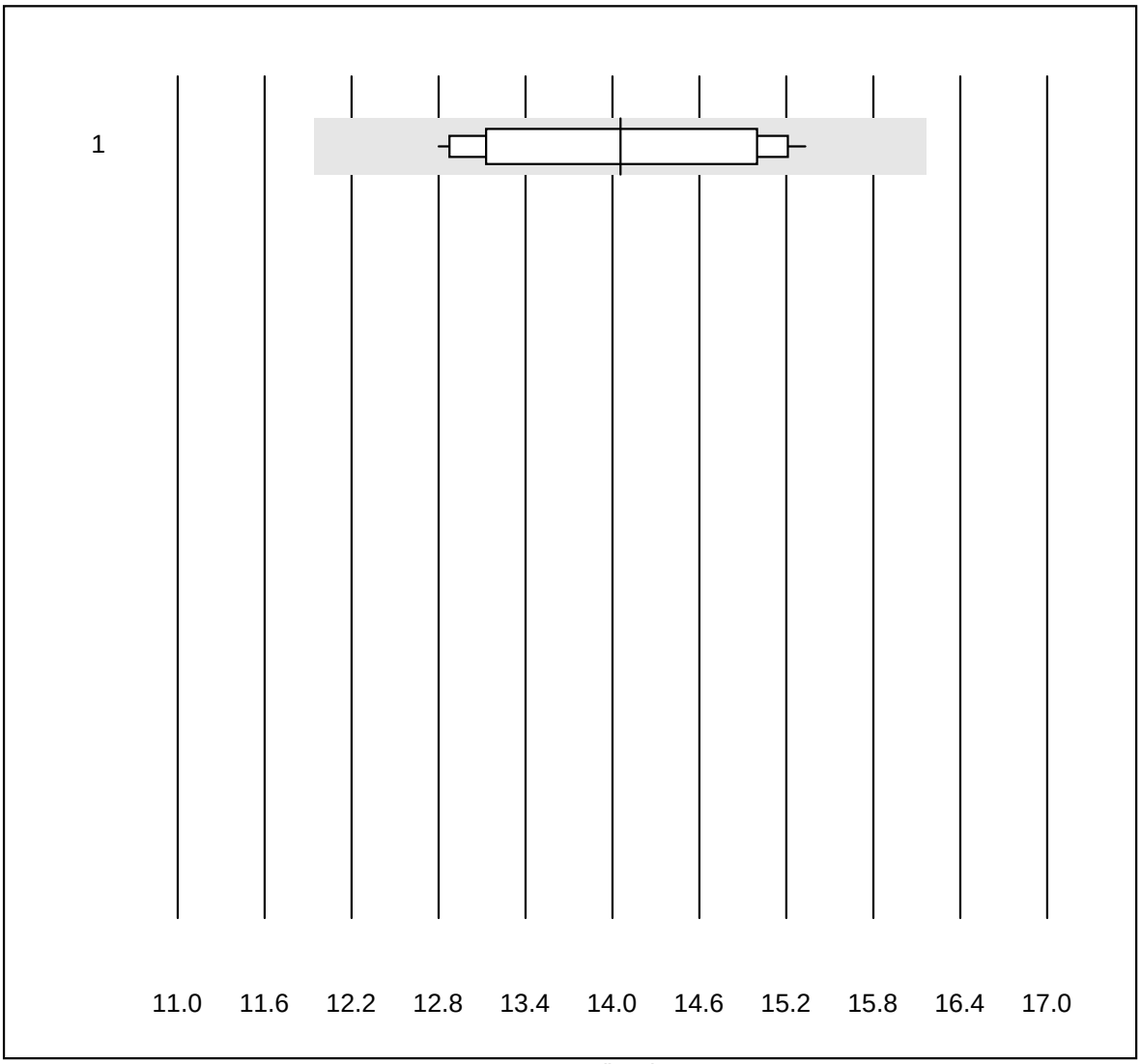
PCO2 CCA



QUALAB tolerance : 15 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	OPTI CCA	13	100.0	0.0	0.0	6.19	1.6

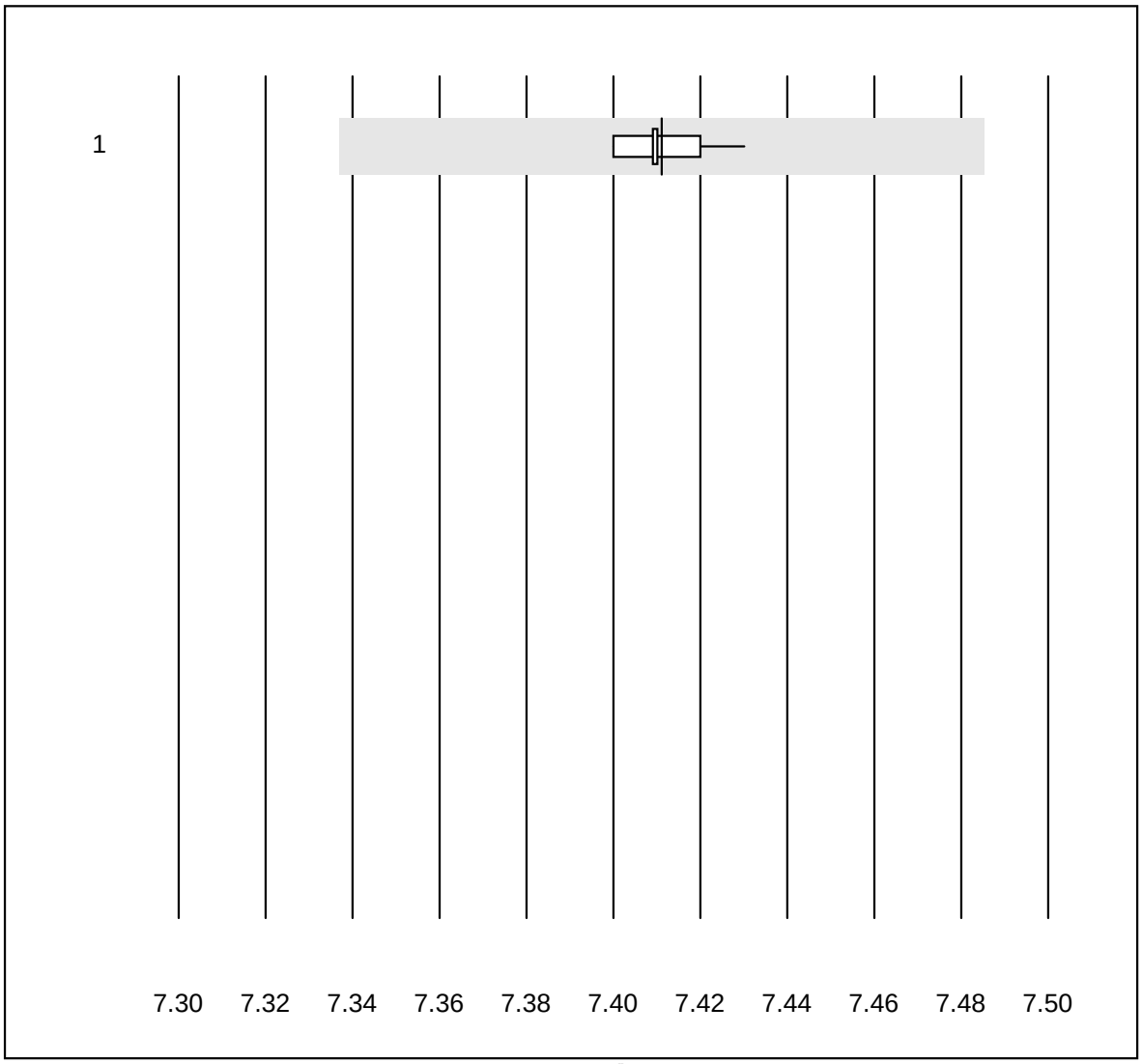
PO2 CCA



QUALAB tolerance : 15 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	OPTI CCA	13	100.0	0.0	0.0	14.05	7.1

pH CCA

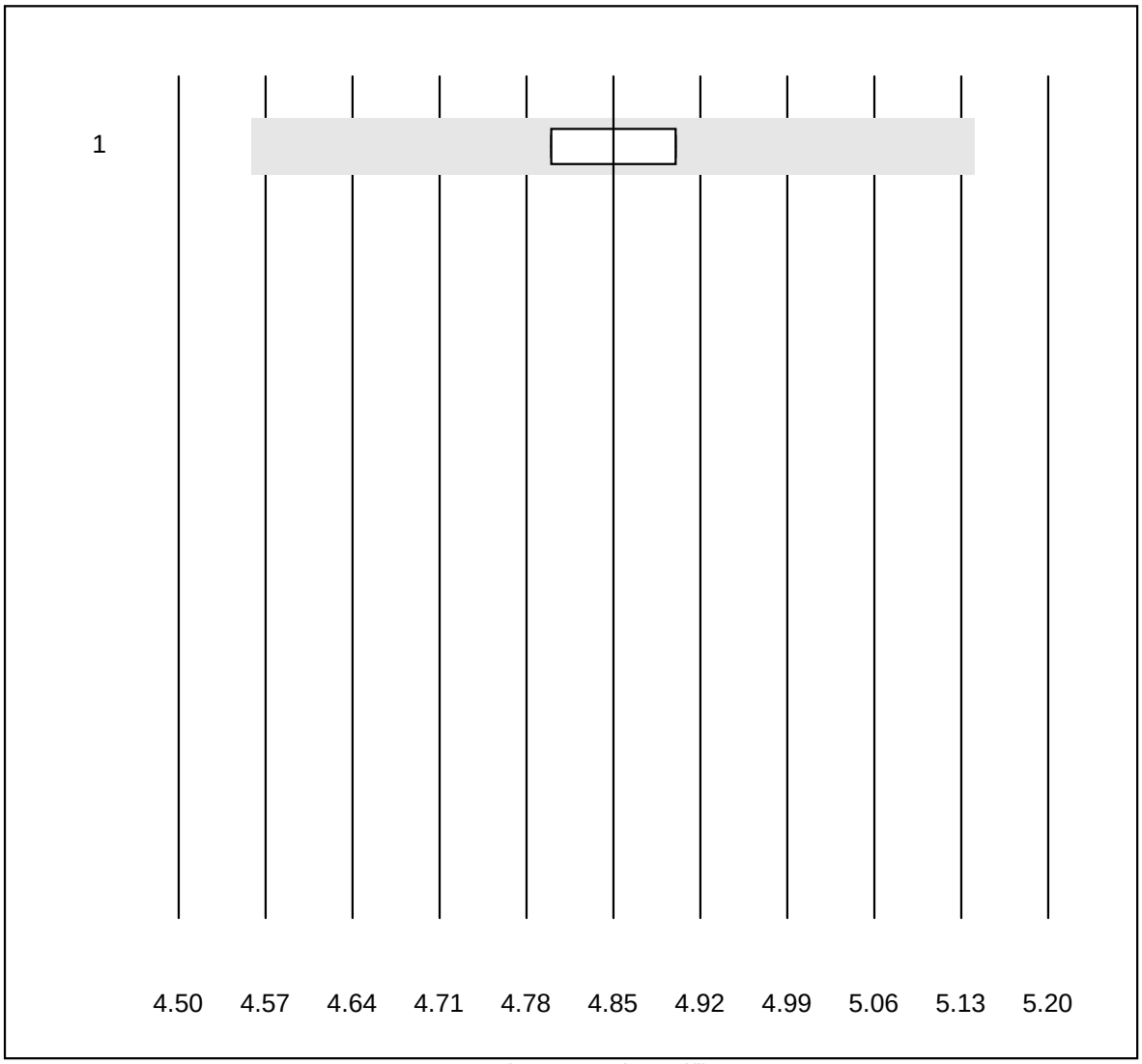


QUALAB tolerance : 1 %

pH CCA ()

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	OPTI CCA	13	100.0	0.0	0.0	7.41	0.1

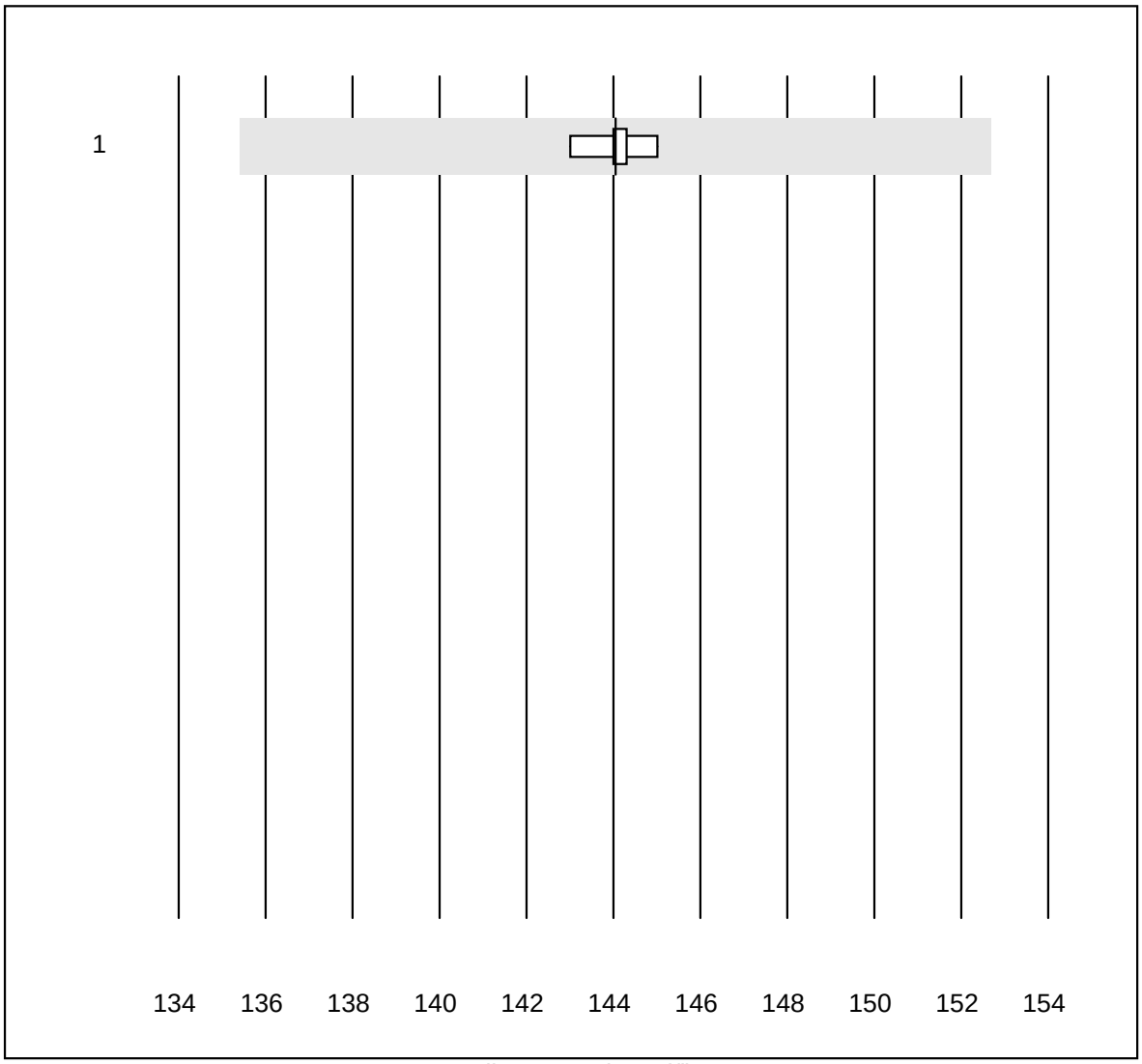
Potassium CCA



QUALAB tolerance : 6 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	OPTI CCA	7	100.0	0.0	0.0	4.9	0.9

Sodium CCA

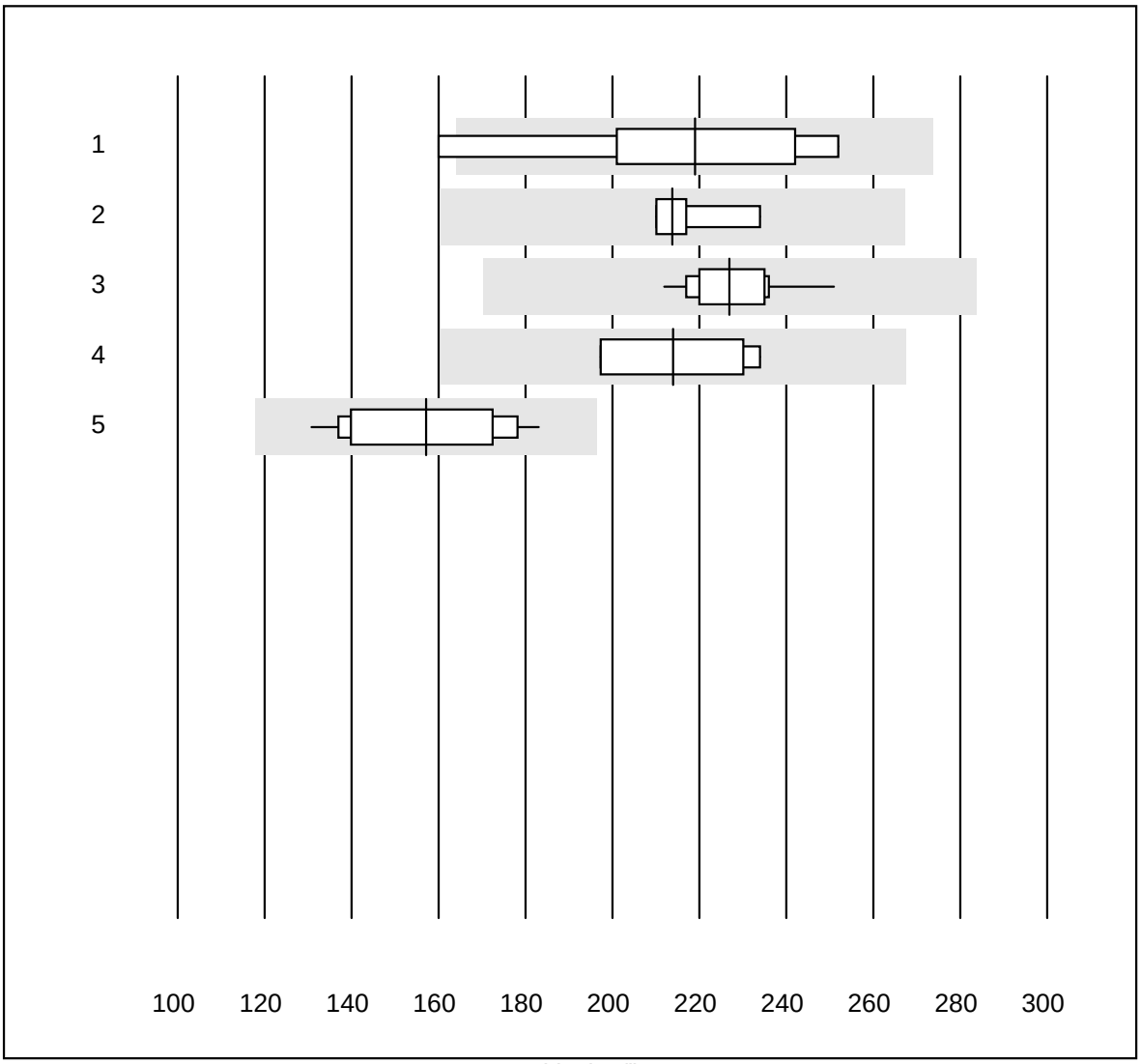


QUALAB tolerance : 6 %

Sodium CCA (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	OPTI CCA	6	100.0	0.0	0.0	144.1	0.4

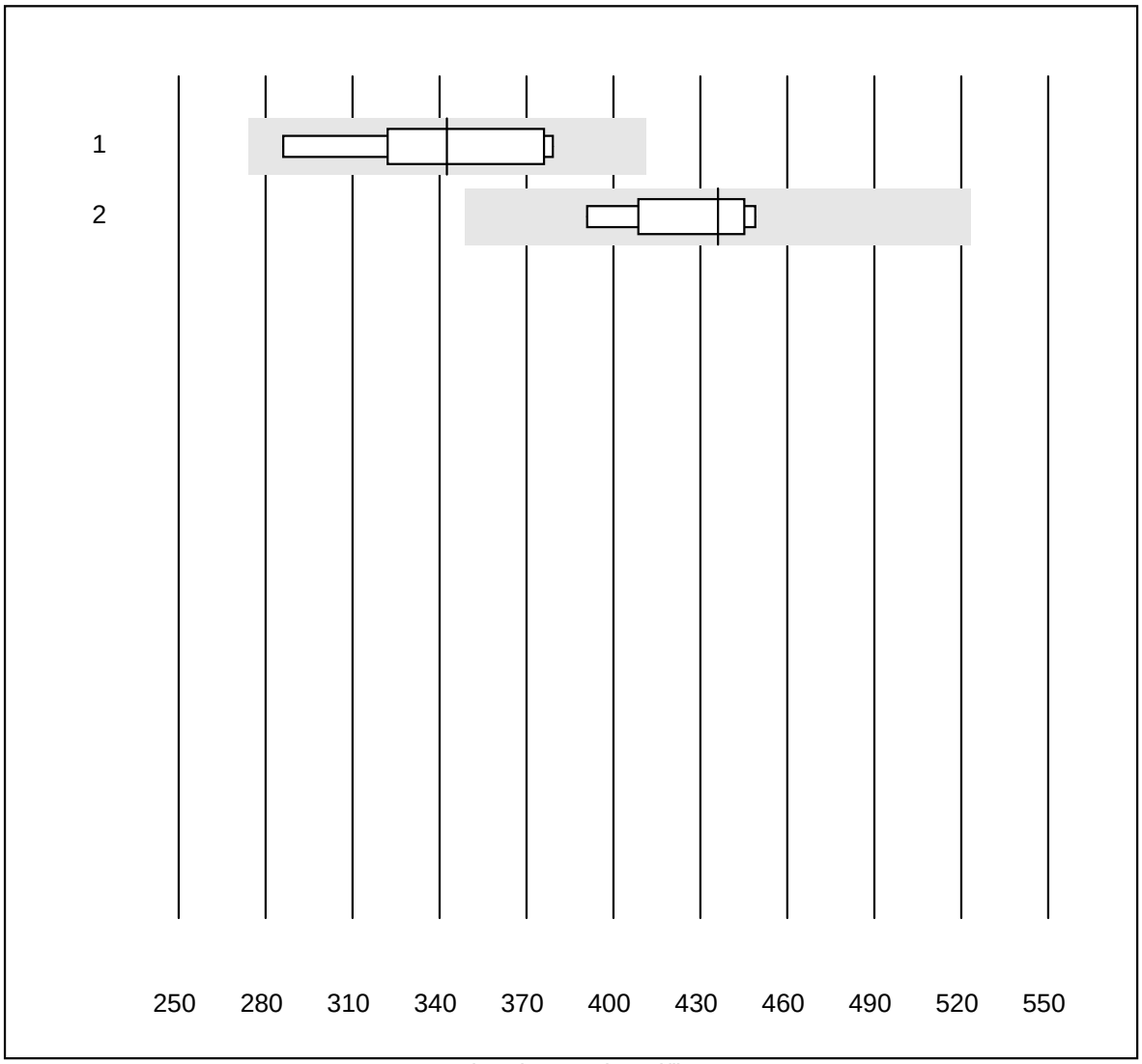
Ferritin



QUALAB tolerance : 25 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	all Participants	7	71.4	14.3	14.3	219.00	15.2
2	Advia Centaur	4	100.0	0.0	0.0	213.85	5.1
3	Cobas E / Elecsys	11	100.0	0.0	0.0	226.96	4.8
4	Mini Vidas	5	100.0	0.0	0.0	214.00	8.1
5	Eurolyser Smart	12	100.0	0.0	0.0	157.10	11.0

Vitamin B12

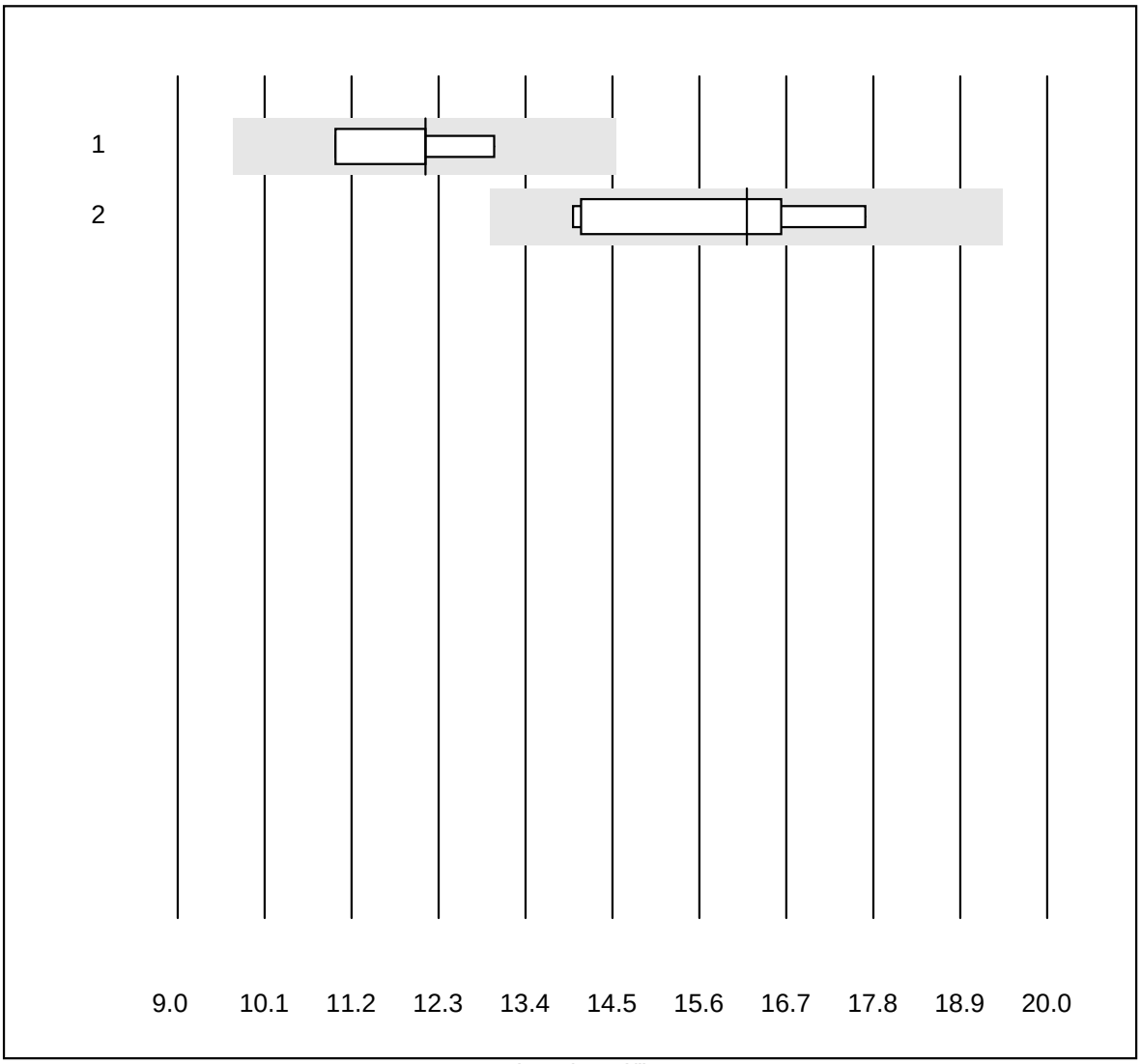


QUALAB tolerance : 20 %

Vitamin B12 (pmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Advia Centaur	6	100.0	0.0	0.0	342.50	10.7
2	Cobas E / Elecsys	8	87.5	0.0	12.5	436.00	4.9

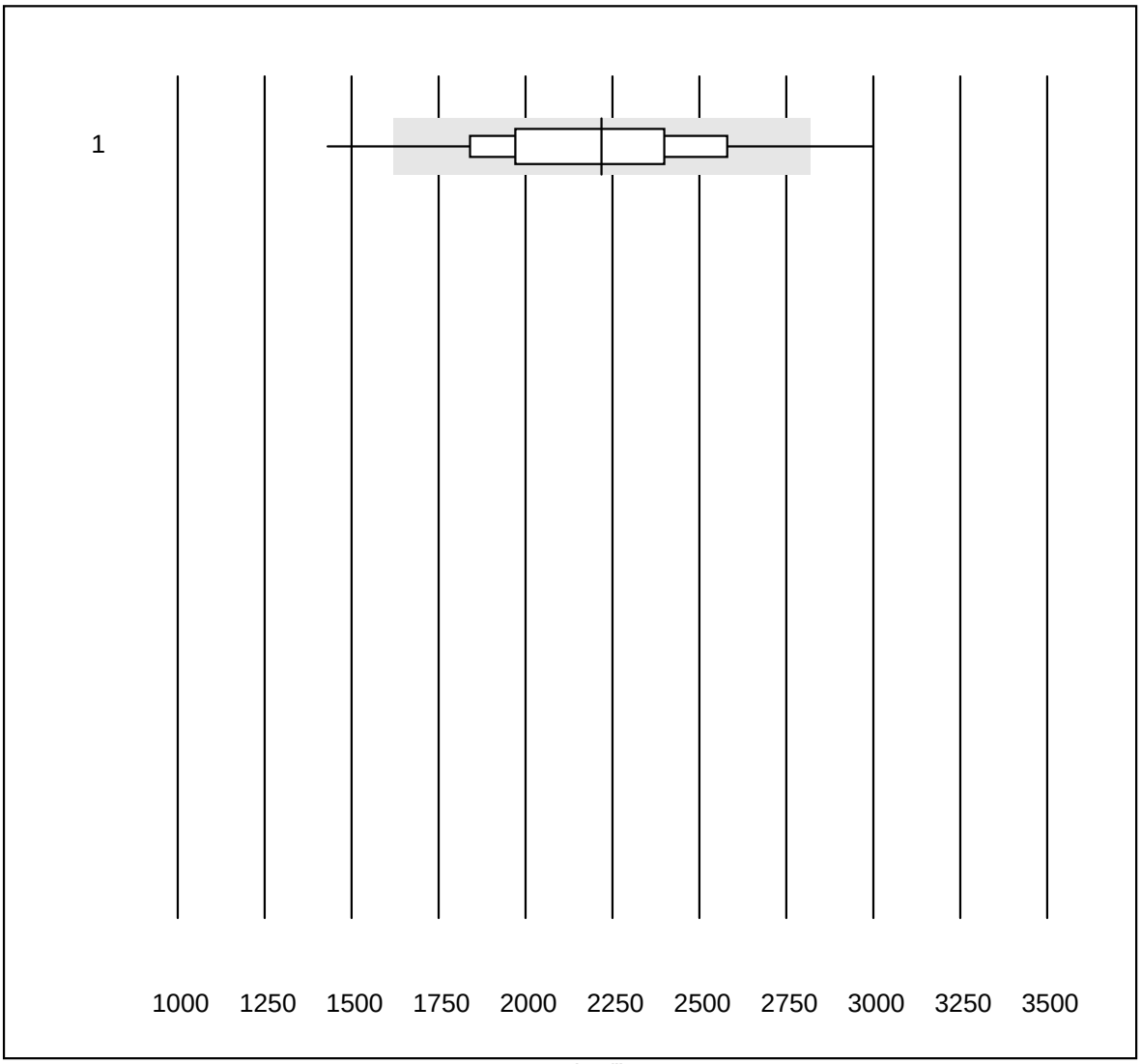
Folate



QUALAB tolerance : 20 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Advia Centaur	4	100.0	0.0	0.0	12.13	7.6
2	Cobas E / Elecsys	8	100.0	0.0	0.0	16.20	9.2

BNP

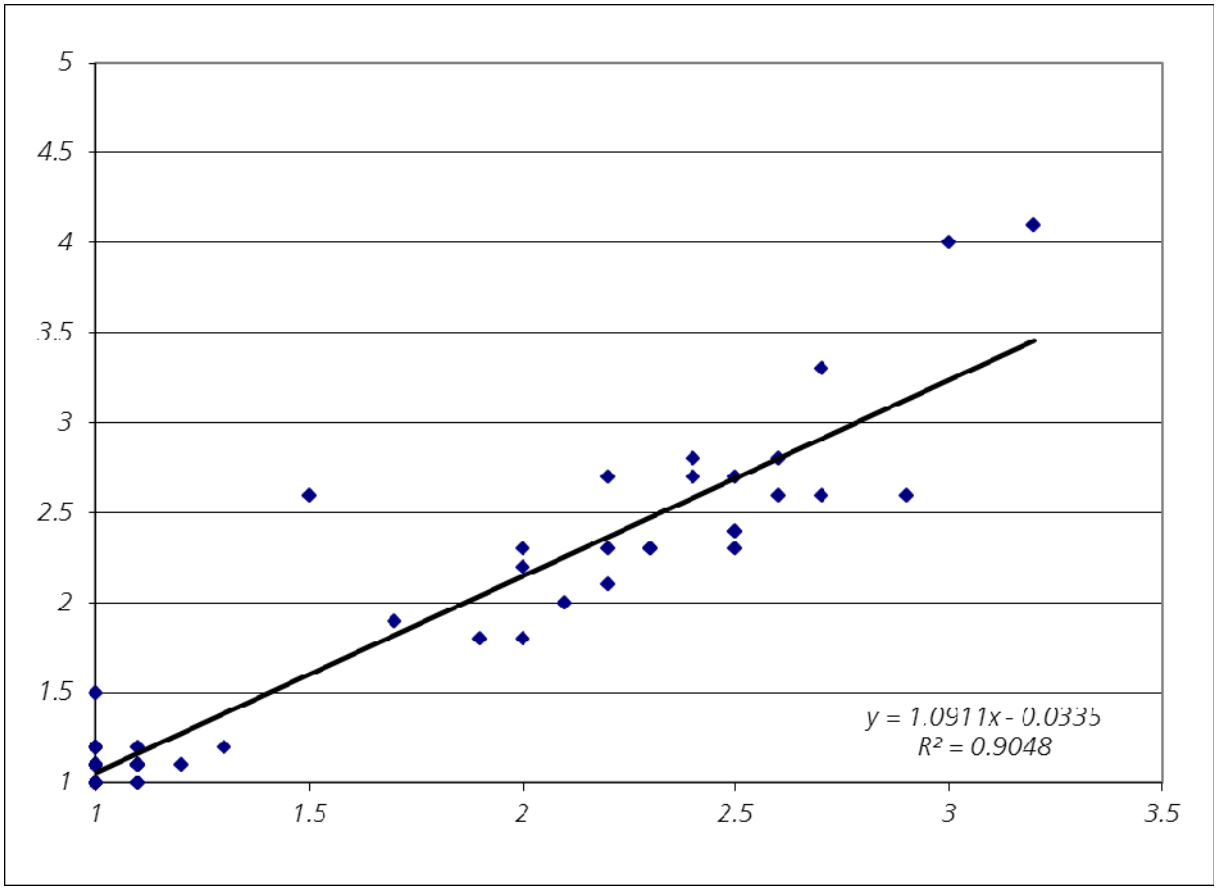


QUALAB tolerance : 27 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Biosite, Triage	28	78.6	10.7	10.7	2219.2	16.4

INR INRatio

Unispital Zürich

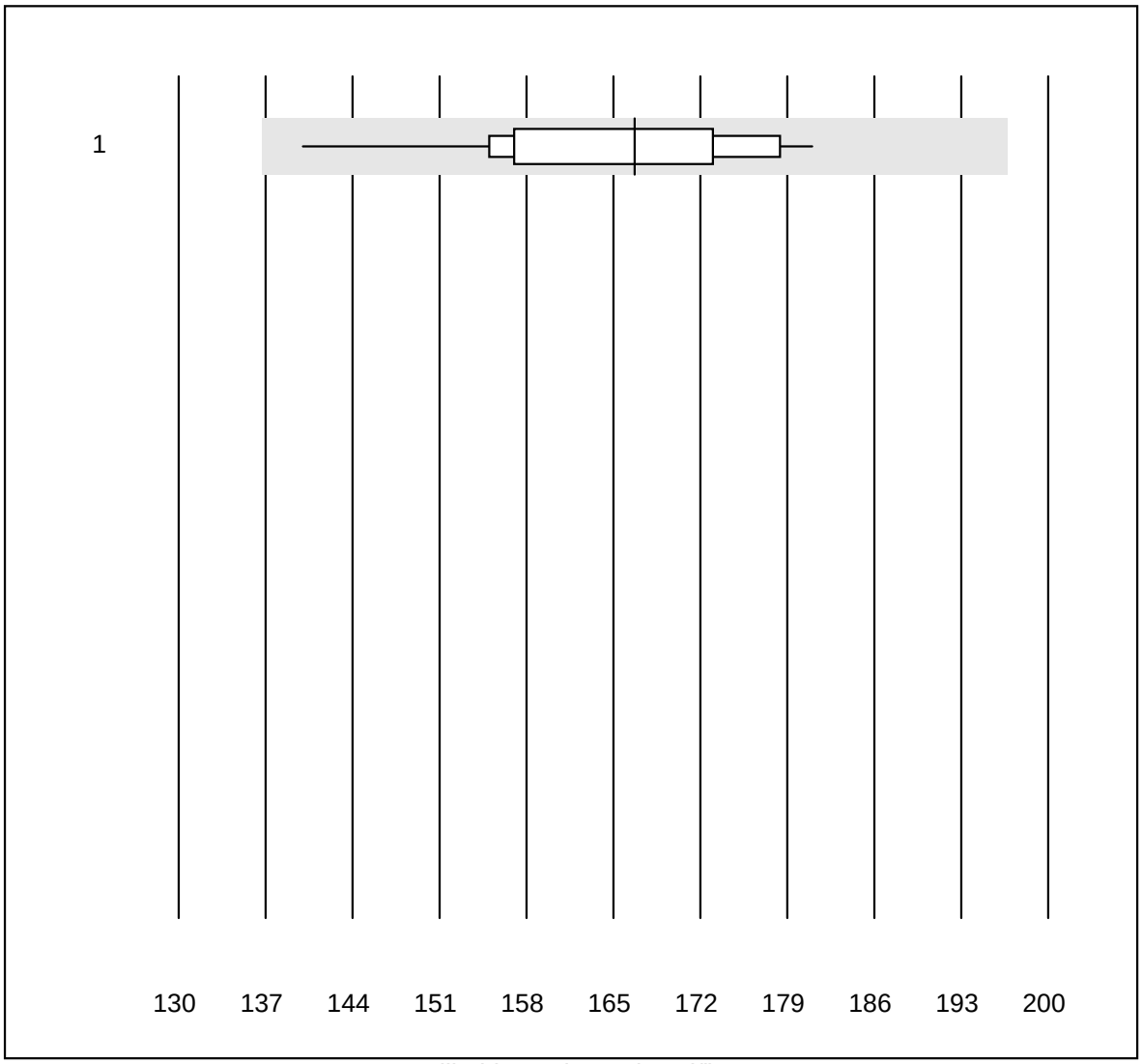


INRatio Participants

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

Nr.	Device	Total	% good	% insufficient	% outlier
1	INRatio	69	84.1	11.6	4.6

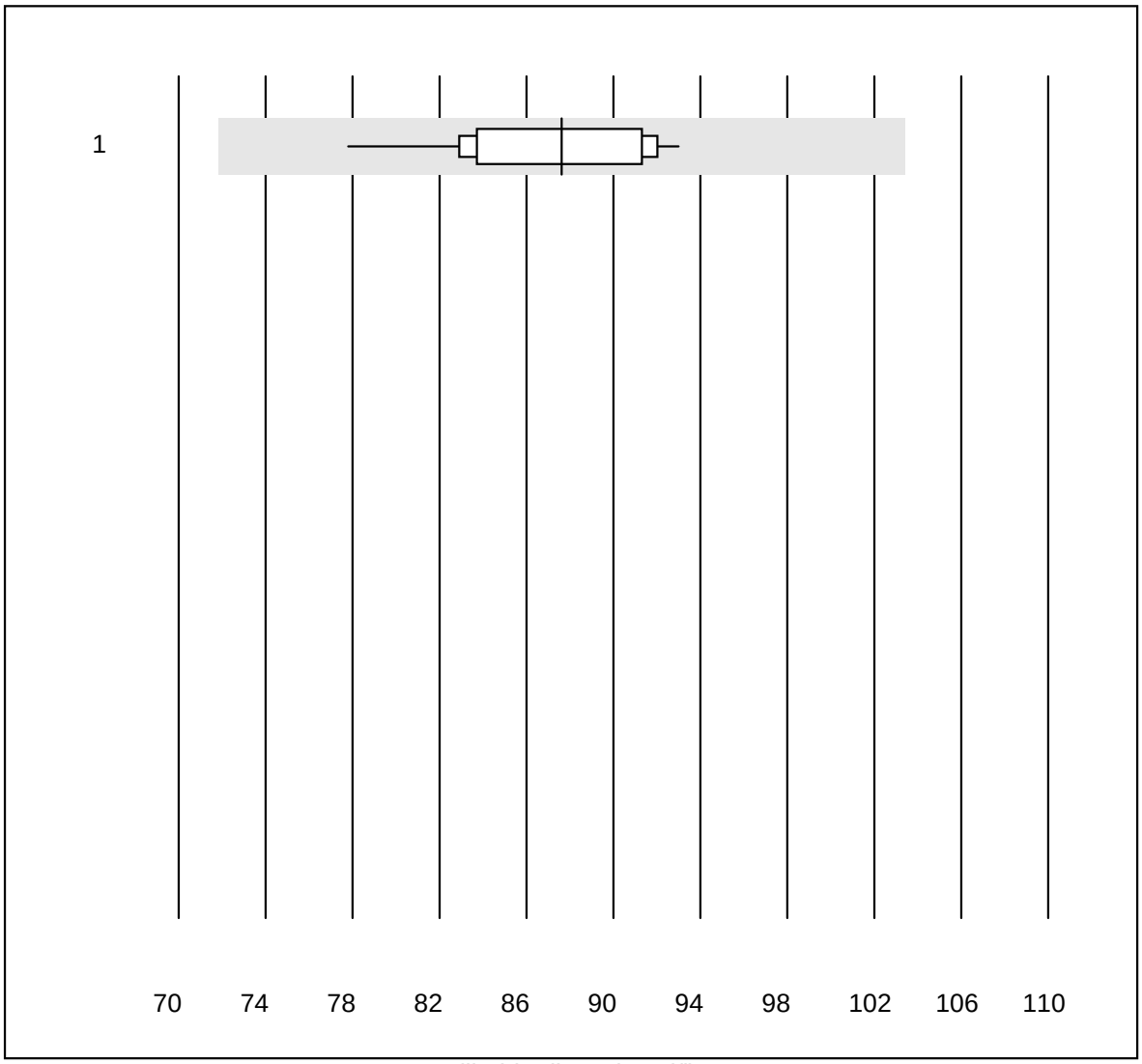
Bilirubin total Neo



QUALAB tolerance : 18 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	all Participants	12	100.0	0.0	0.0	167	6.9

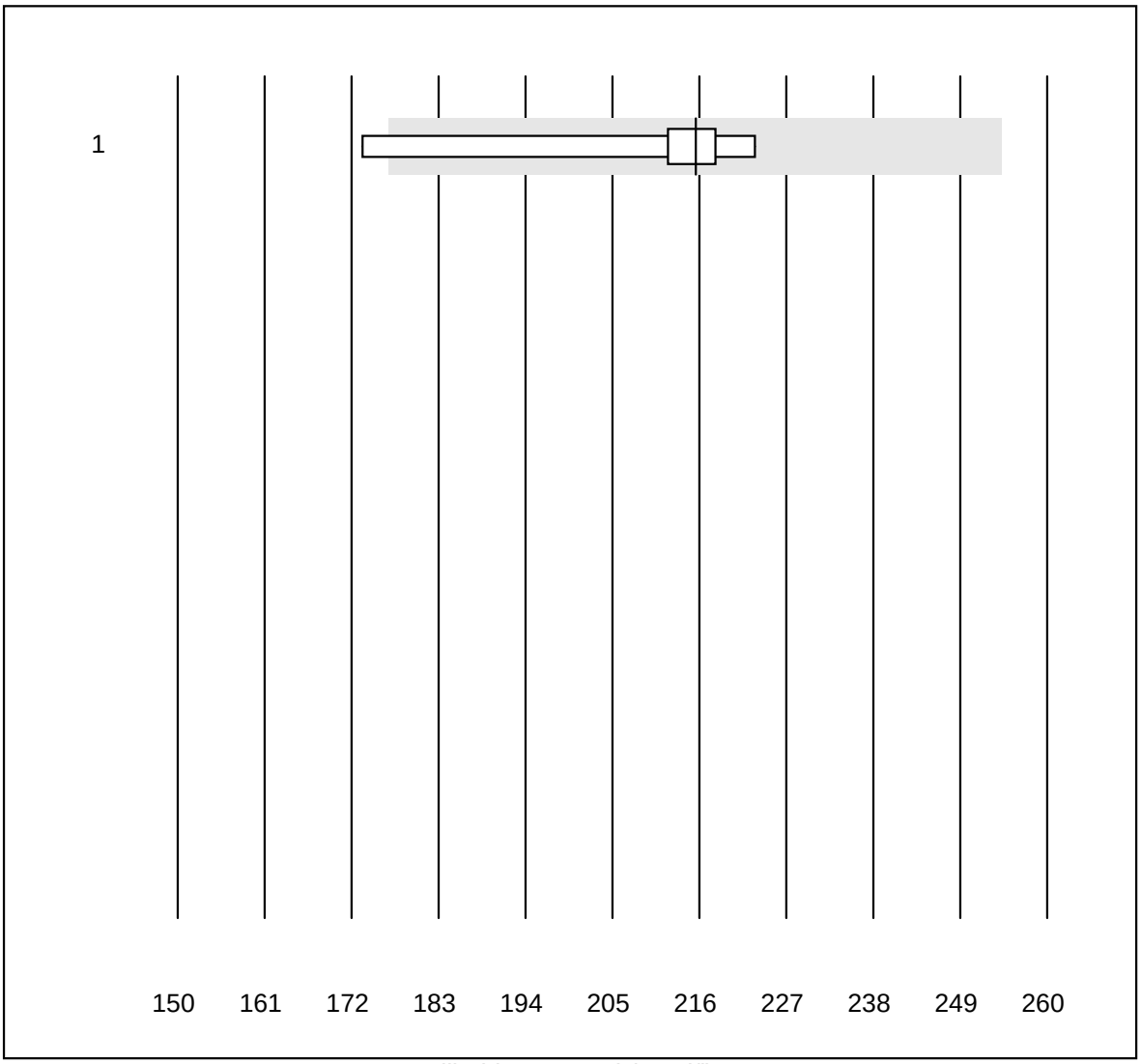
Bilirubin direct



QUALAB tolerance : 18 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	all Participants	12	91.7	0.0	8.3	88	5.3

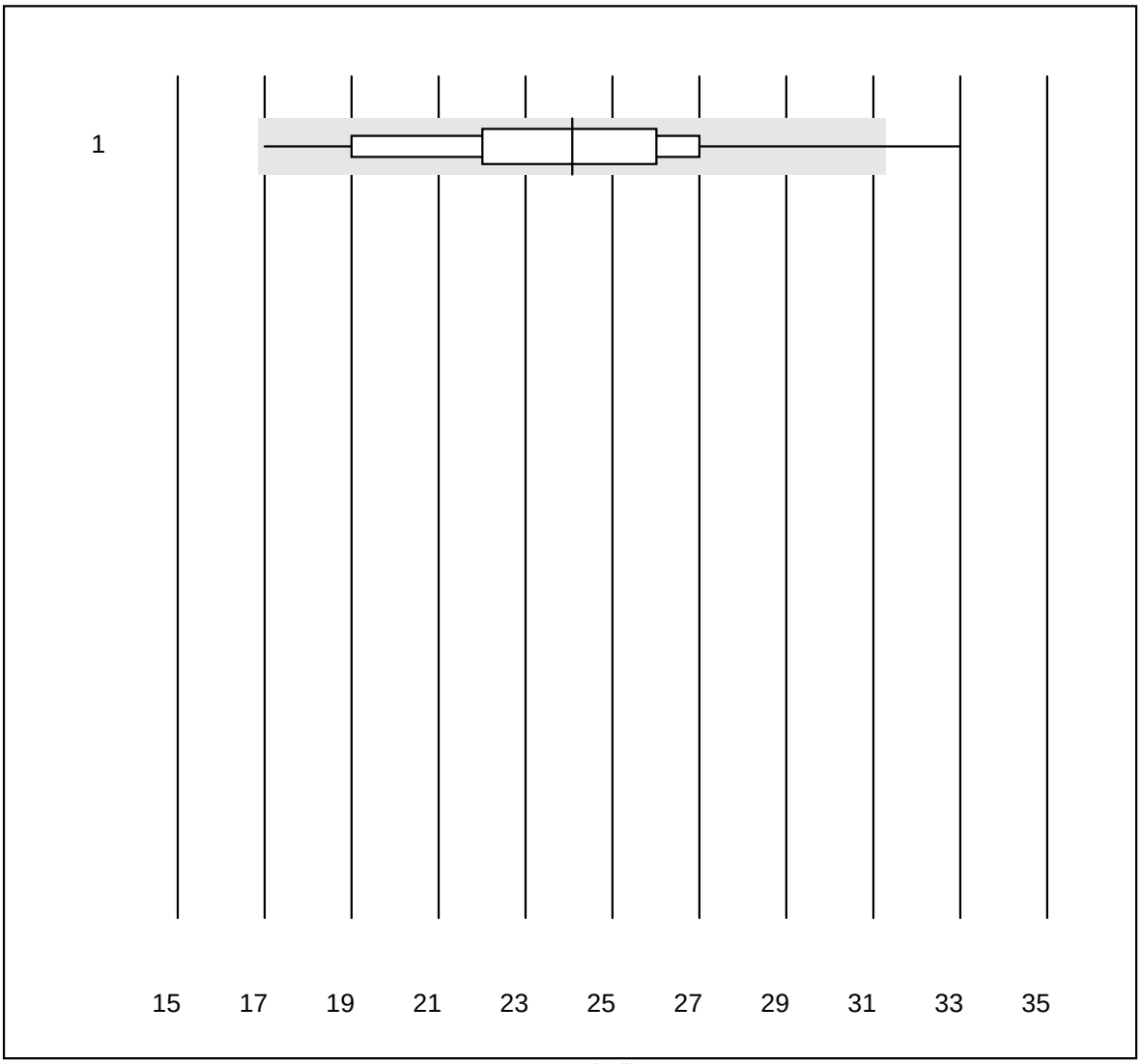
Bilirubin neonatal



QUALAB tolerance : 18 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	all Participants	6	83.3	16.7	0.0	216	8.6

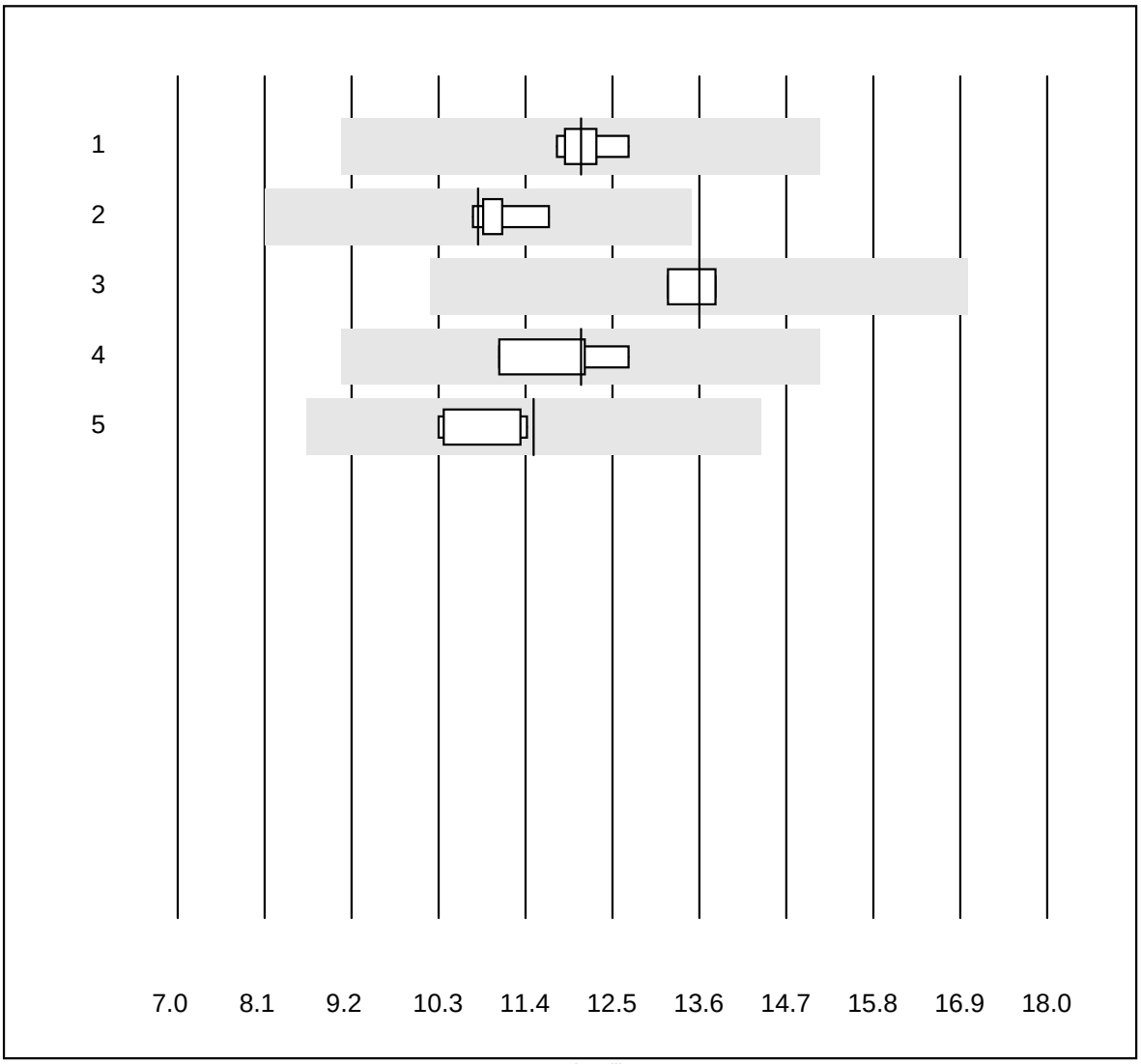
CK-MB



QUALAB tolerance : 30 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Fuji Dri-Chem	31	93.6	3.2	3.2	24.1	13.8

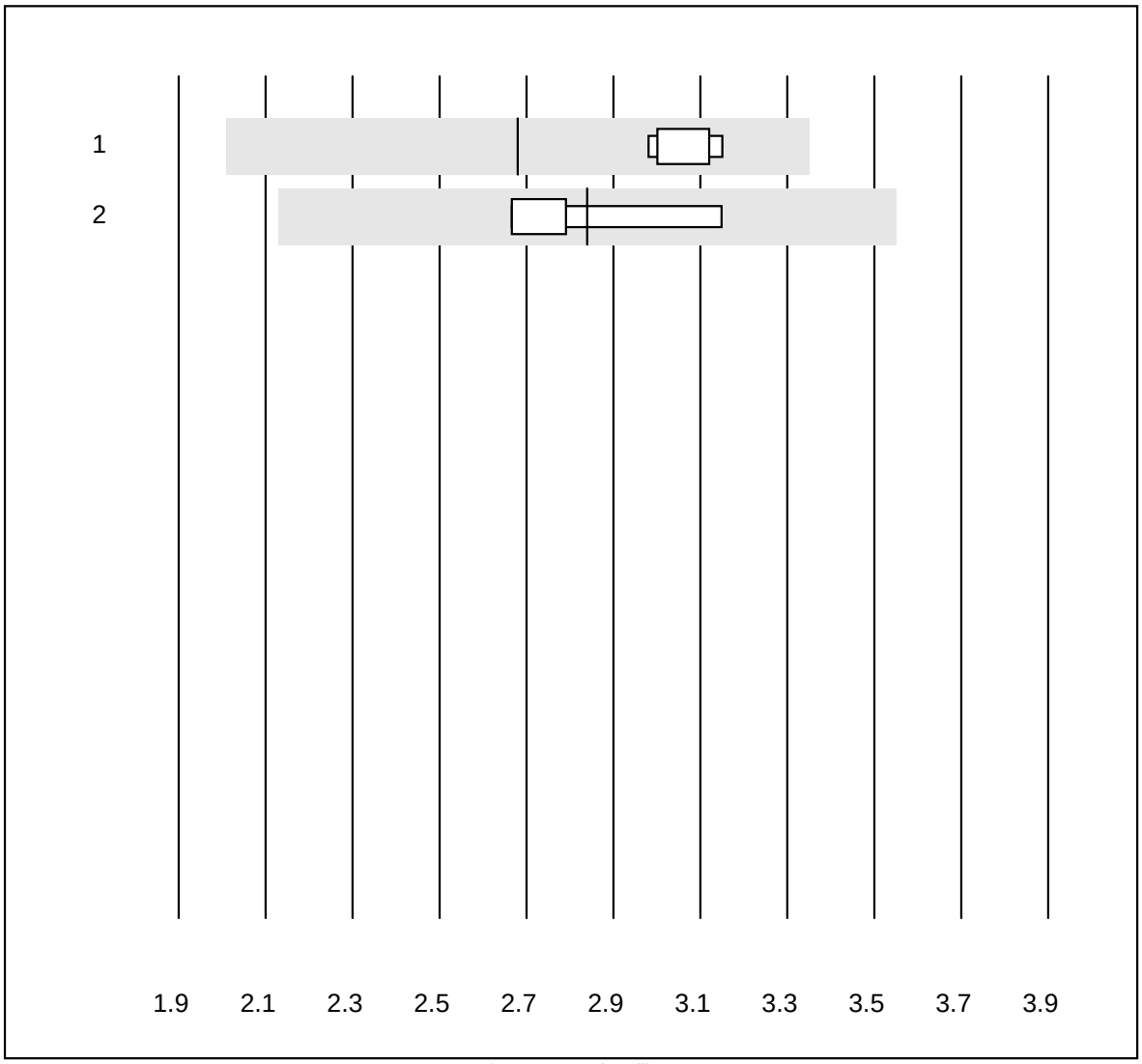
PSA



QUALAB tolerance : 25 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Cobas E / Elecsys	8	100.0	0.0	0.0	12.10	2.4
2	Advia Centaur	5	100.0	0.0	0.0	10.80	3.4
3	Beckman, Access	4	100.0	0.0	0.0	13.60	2.4
4	Vidas	4	100.0	0.0	0.0	12.10	5.8
5	Architect	5	100.0	0.0	0.0	11.50	4.8

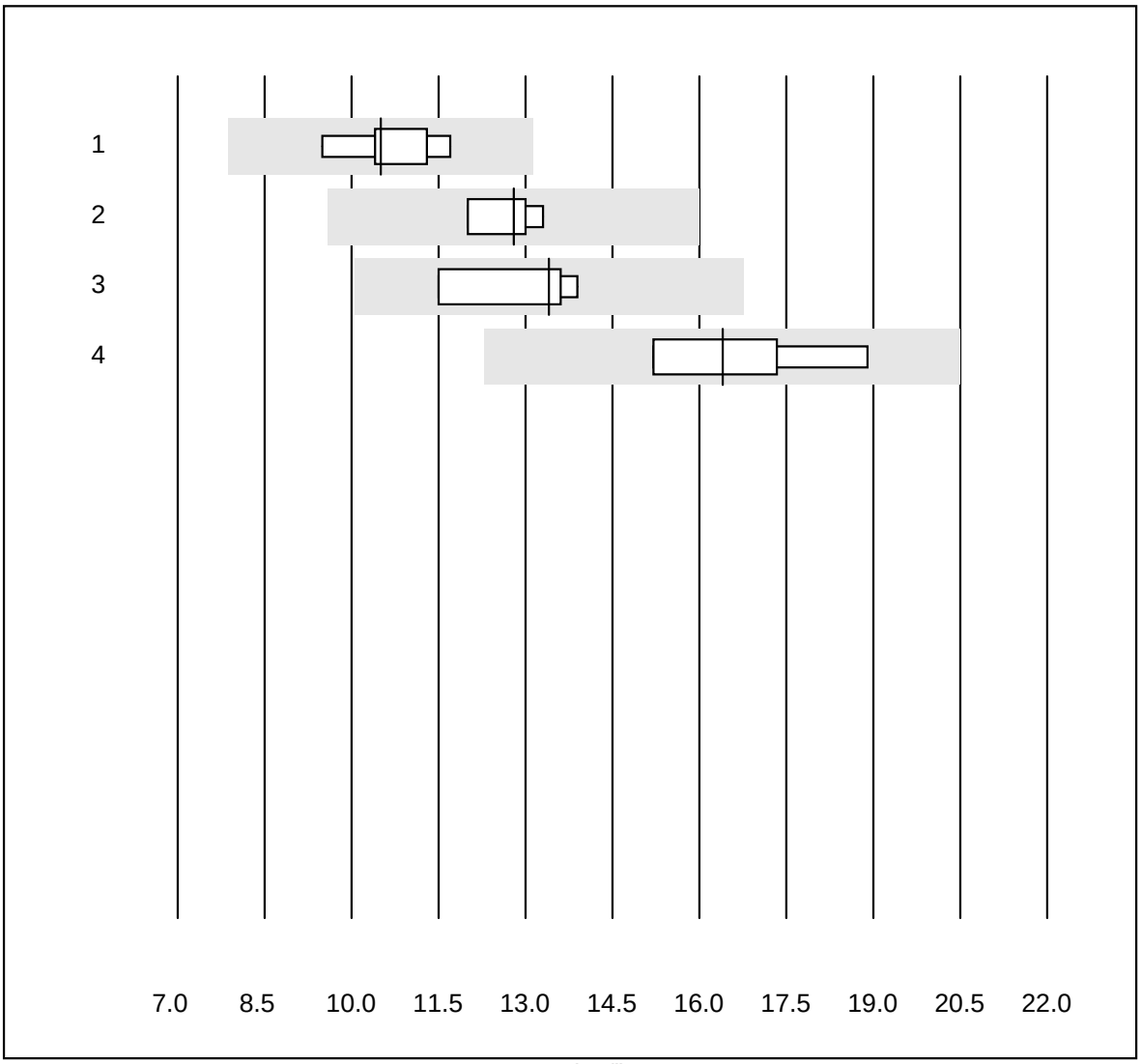
free PSA



QUALAB tolerance : 25 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Cobas E / Elecsys	5	100.0	0.0	0.0	2.68	2.5
2	Architect	4	100.0	0.0	0.0	2.84	7.5

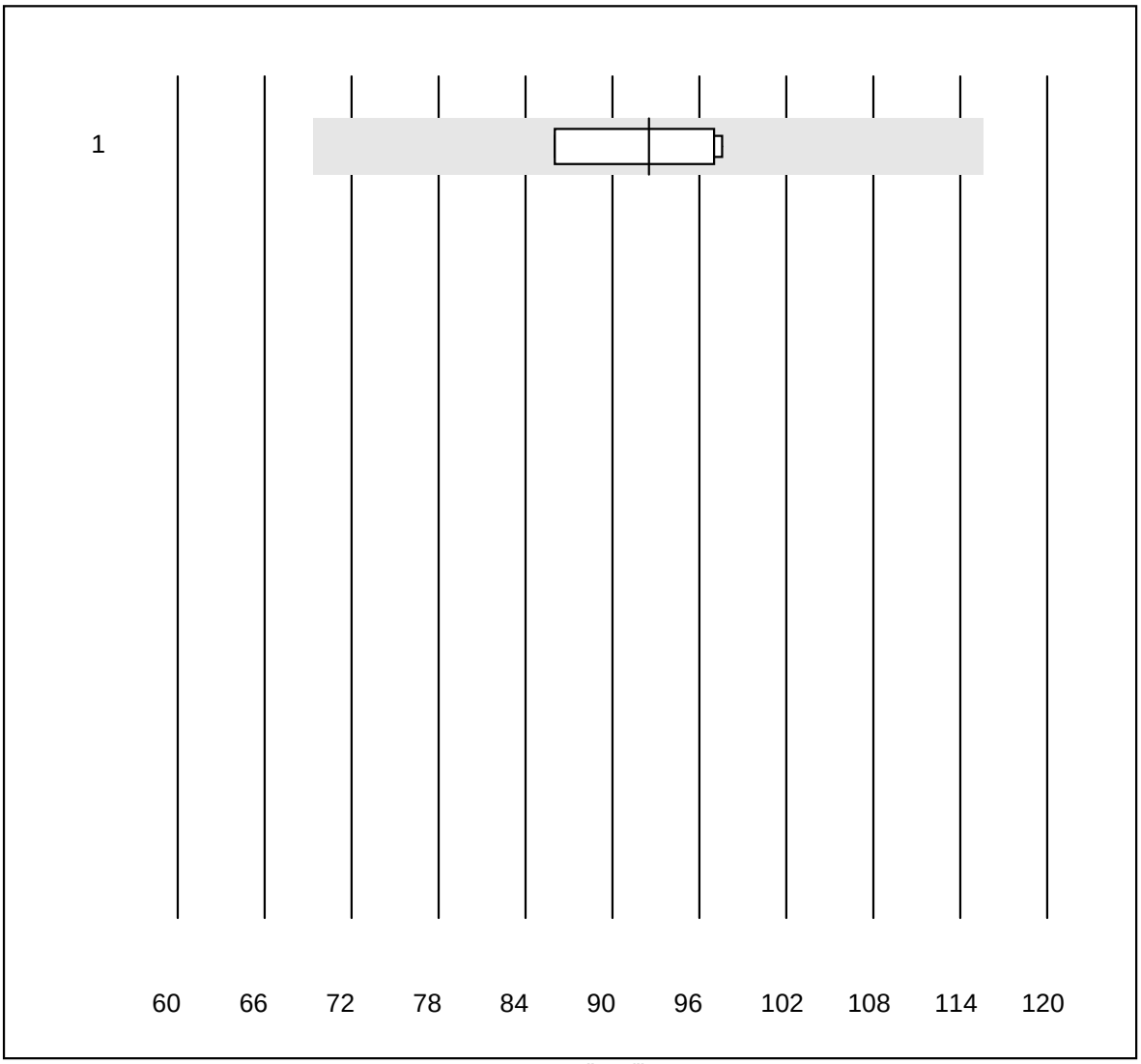
CEA



QUALAB tolerance : 25 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Cobas E / Elecsys	5	100.0	0.0	0.0	10.5	7.9
2	Advia Centaur	4	100.0	0.0	0.0	12.8	4.9
3	Beckman, Access	4	100.0	0.0	0.0	13.4	8.4
4	Architect	4	100.0	0.0	0.0	16.4	8.9

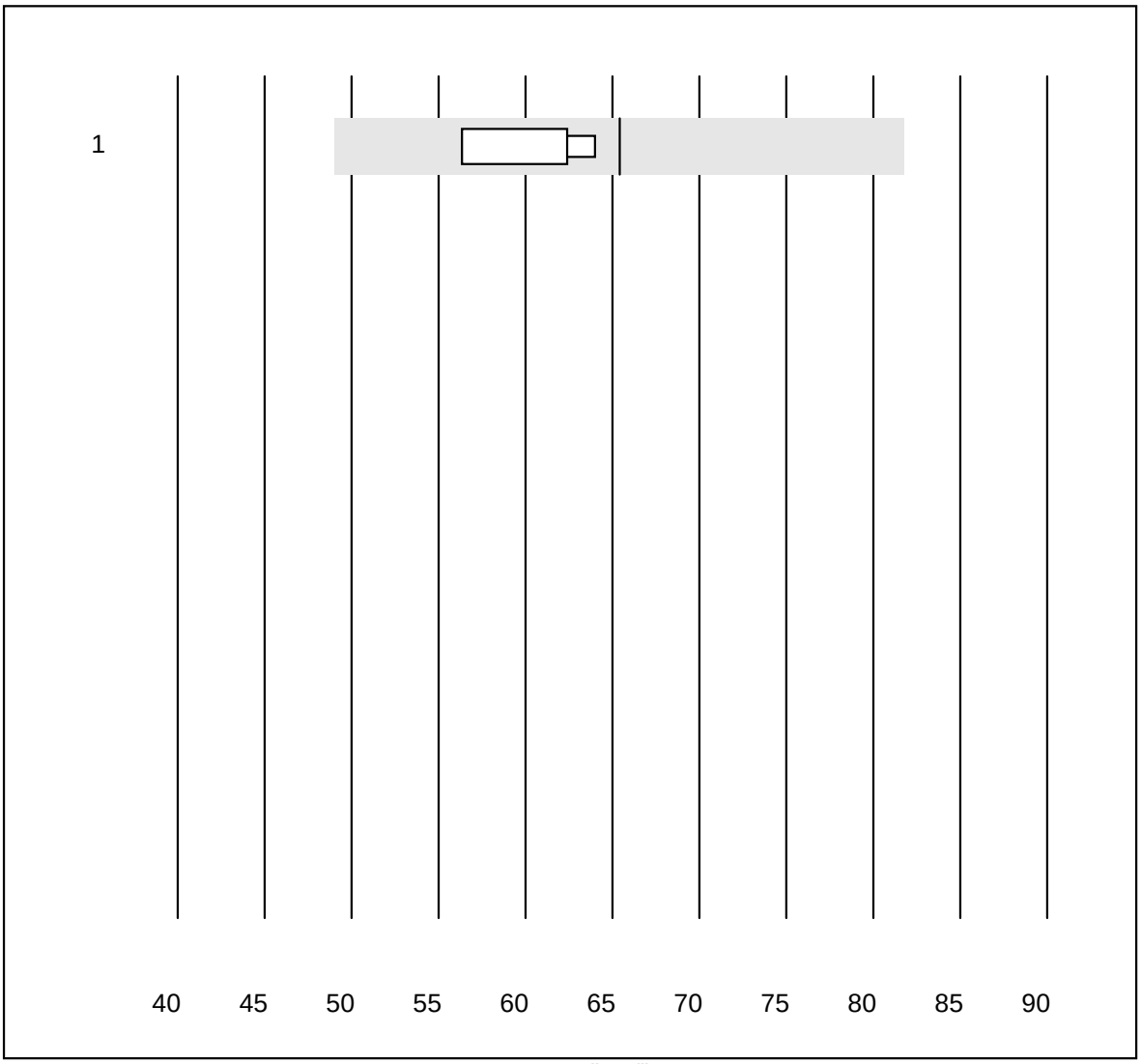
CA 125



QUALAB tolerance : 25 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Architect	4	100.0	0.0	0.0	92.5	5.7

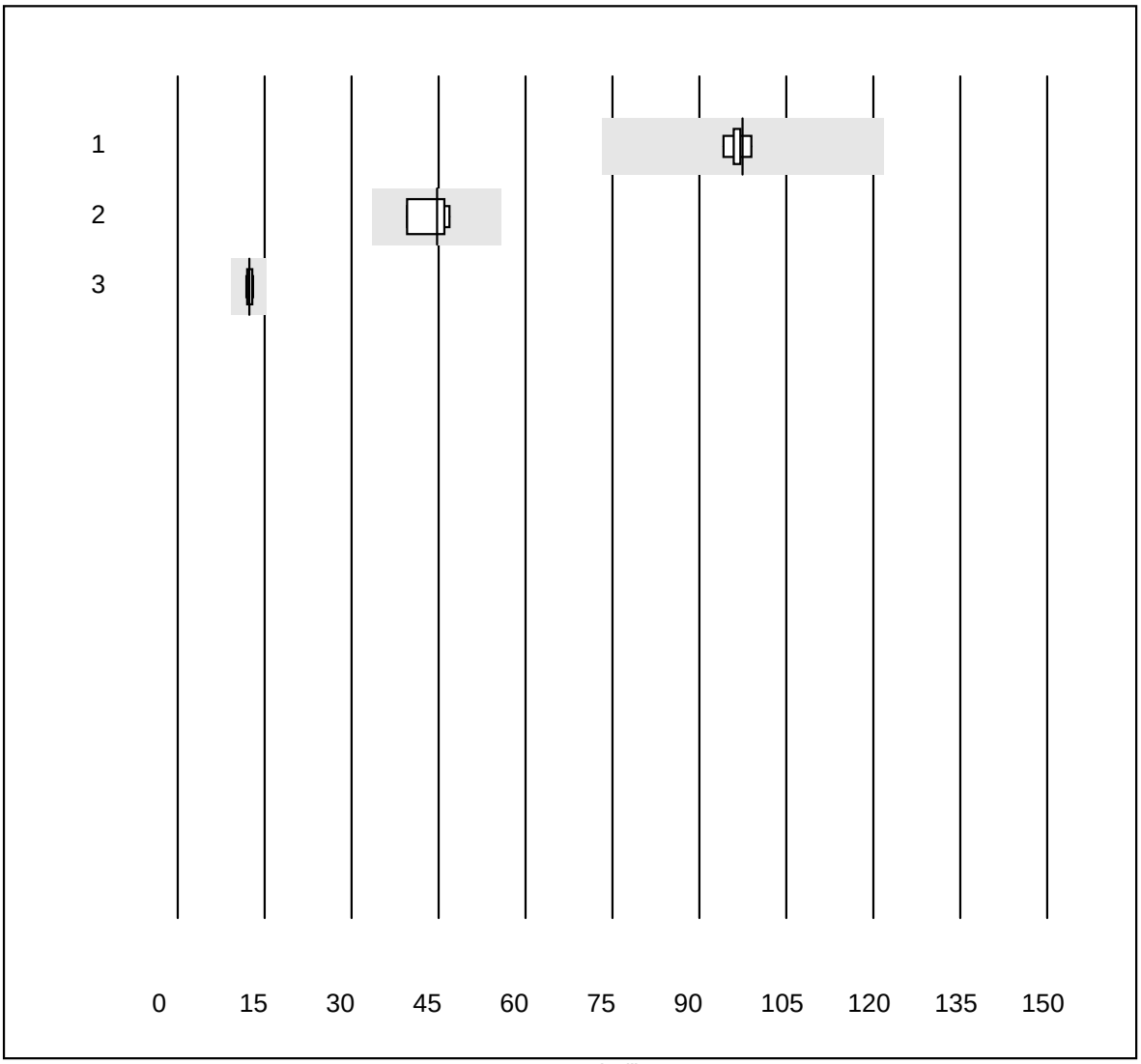
CA 15-3



QUALAB tolerance : 25 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Architect	4	100.0	0.0	0.0	65.4	5.7

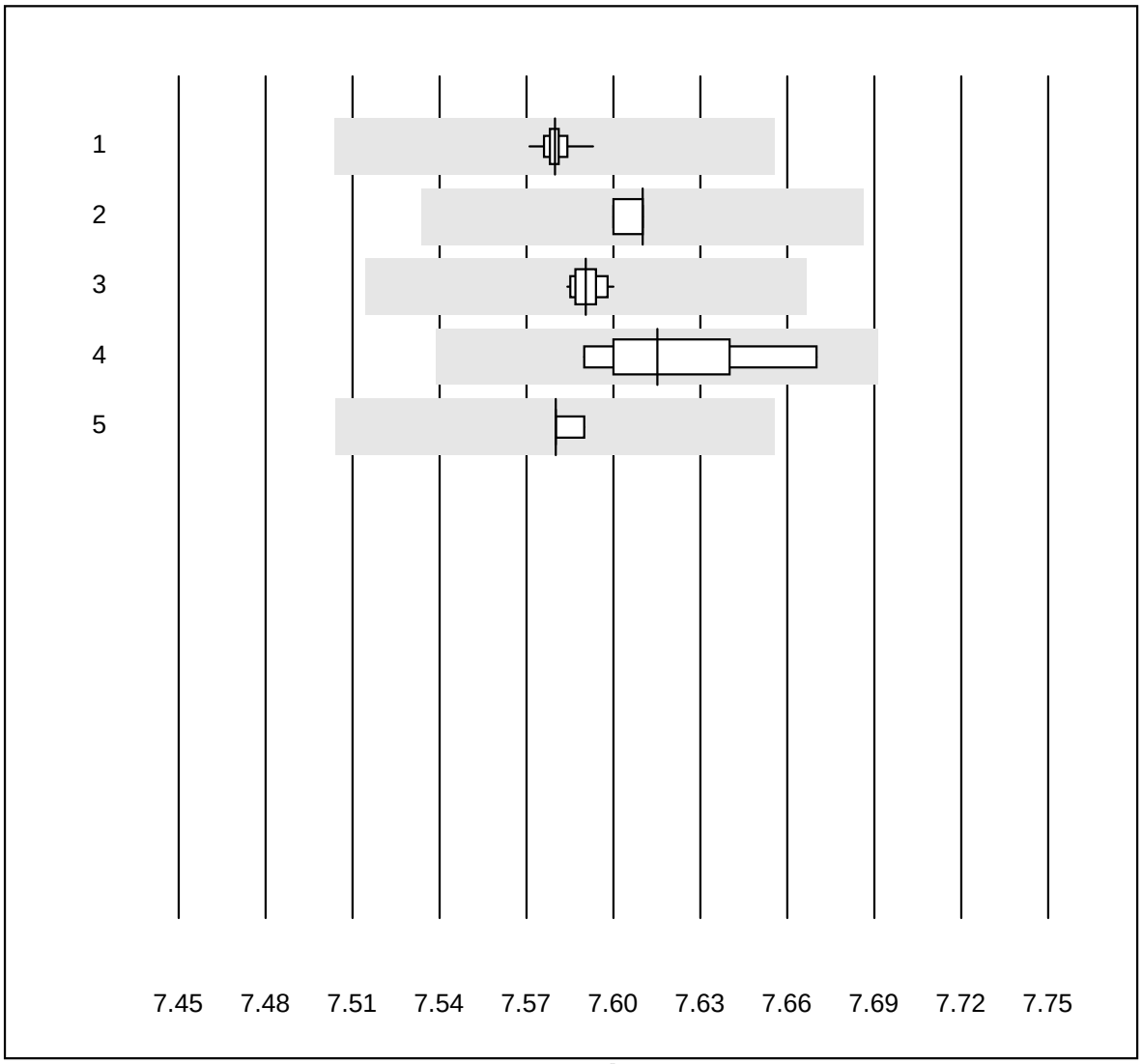
HCG qn



QUALAB tolerance : 25 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Cobas E / Elecsys	6	100.0	0.0	0.0	97	1.7
2	Advia Centaur	4	100.0	0.0	0.0	45	7.8
3	Vidas	6	100.0	0.0	0.0	12	3.8

pH OR

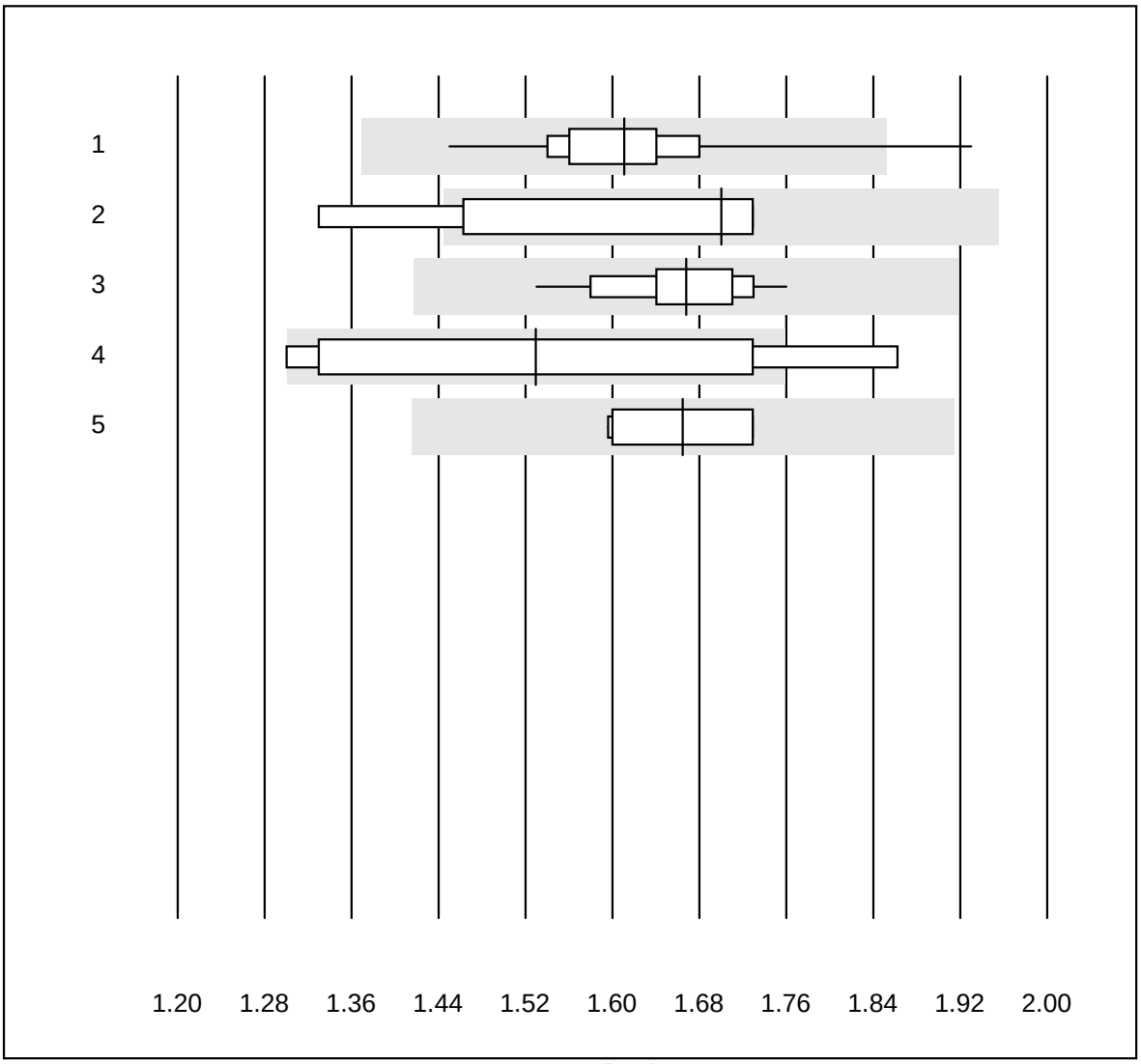


QUALAB tolerance : 1 %

pH OR ()

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	ABL700/800 Radiomete	76	100.0	0.0	0.0	7.58	0.0
2	Radiometer NPT-7	7	100.0	0.0	0.0	7.61	0.1
3	ABL 90	17	100.0	0.0	0.0	7.59	0.1
4	ABL 80 / Coox	7	100.0	0.0	0.0	7.62	0.4
5	ABL 5	6	100.0	0.0	0.0	7.58	0.1

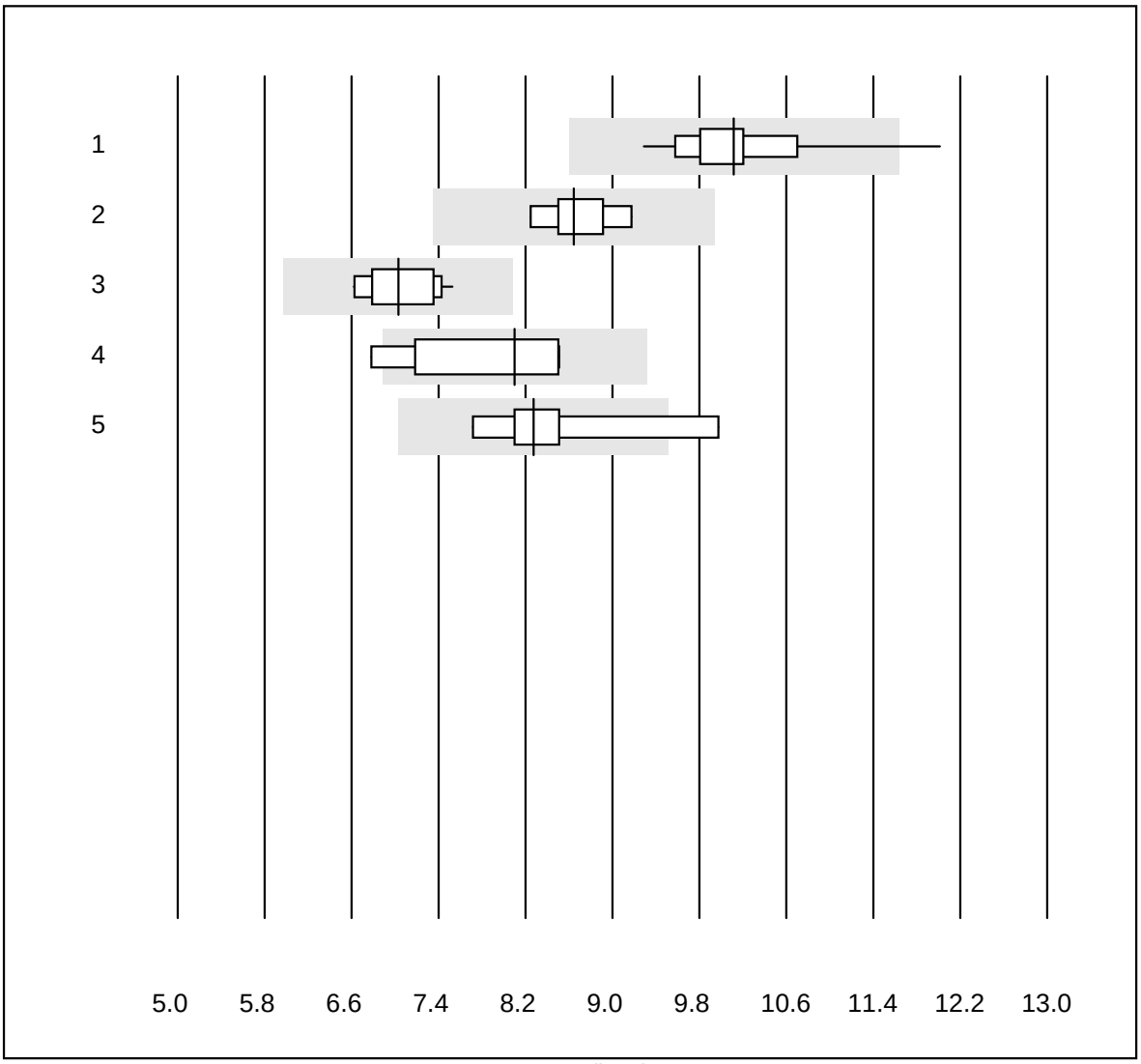
pCO2 OR



QUALAB tolerance : 15 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	ABL700/800 Radiomete	76	97.4	2.6	0.0	1.61	4.4
2	Radiometer NPT-7	7	71.4	14.3	14.3	1.70	10.3
3	ABL 90	17	100.0	0.0	0.0	1.67	3.5
4	ABL 80 / Coox	7	71.4	28.6	0.0	1.53	13.2
5	ABL 5	6	100.0	0.0	0.0	1.66	4.3

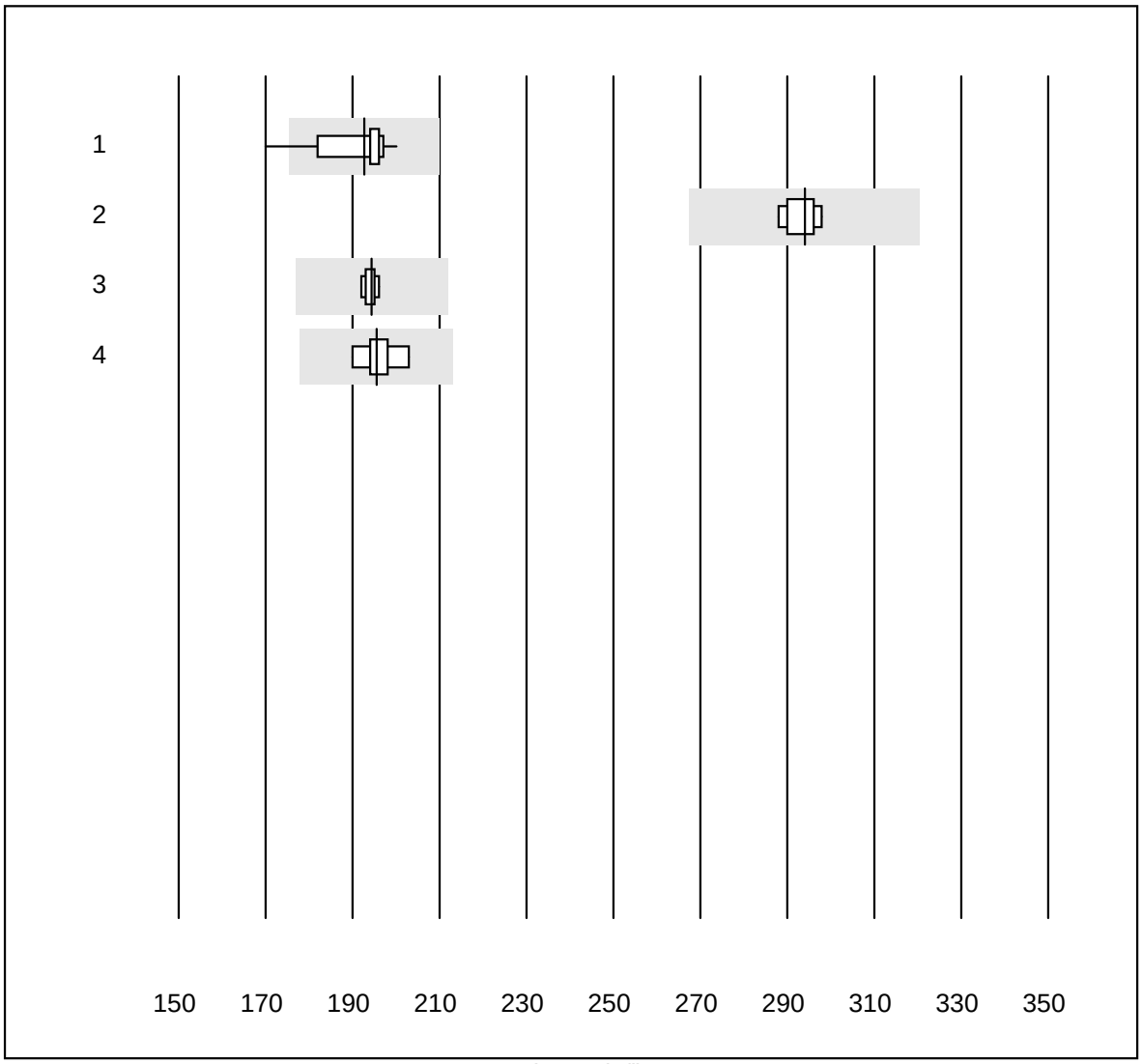
pO2 OR



QUALAB tolerance : 15 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	ABL700/800 Radiomete	77	93.5	2.6	3.9	10.12	5.2
2	Radiometer NPT-7	7	100.0	0.0	0.0	8.65	3.4
3	ABL 90	17	76.5	0.0	23.5	7.03	4.8
4	ABL 80 / Coox	7	71.4	14.3	14.3	8.10	9.1
5	ABL 5	6	83.3	16.7	0.0	8.27	9.2

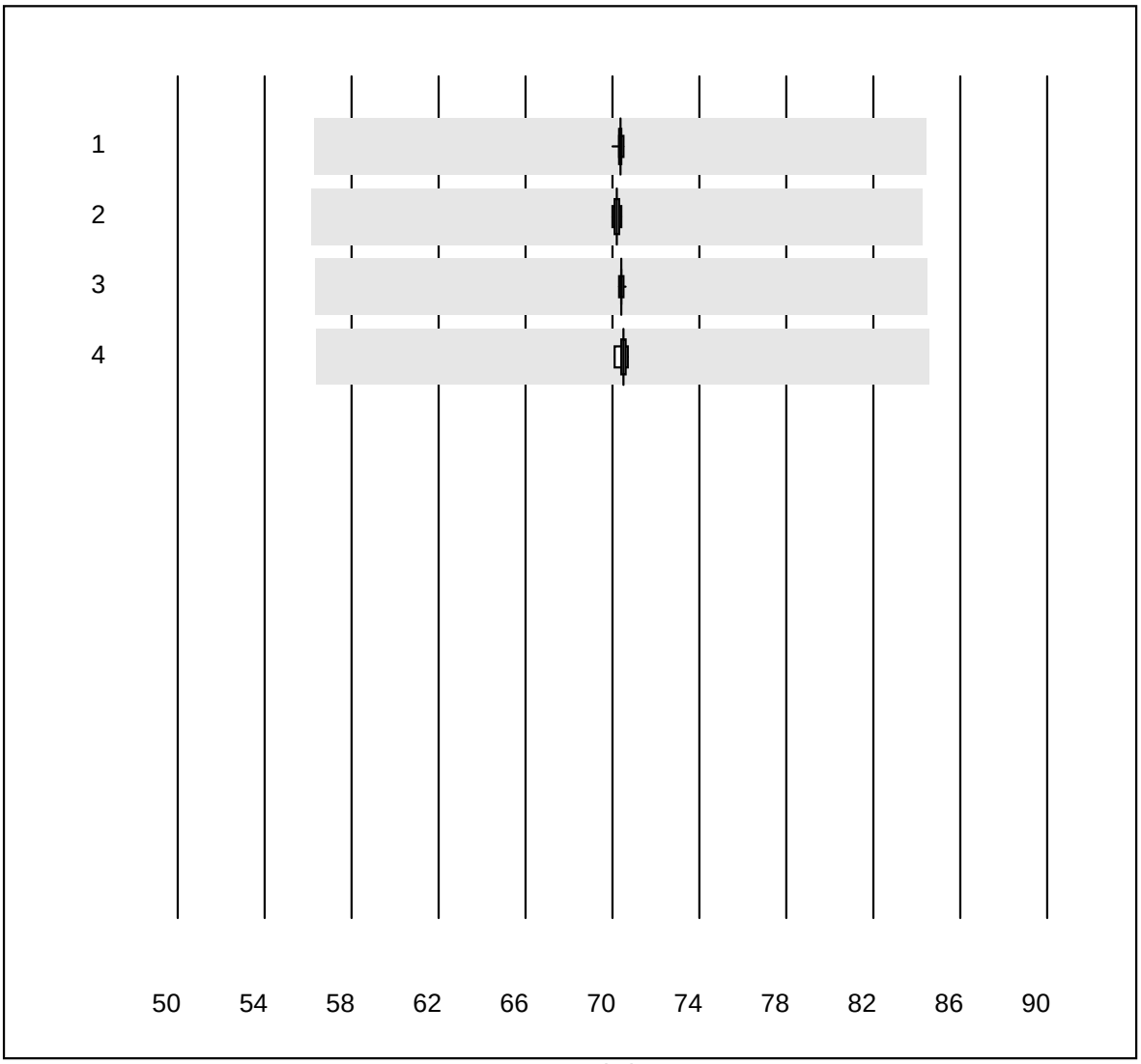
ctHb OR



QUALAB tolerance : 9 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	ABL700/800 Radiomete	63	96.8	3.2	0.0	192.7	3.4
2	Radiometer NPT-7	7	100.0	0.0	0.0	294.0	1.2
3	ABL 90	16	100.0	0.0	0.0	194.3	0.6
4	ABL 80 / Coox	7	100.0	0.0	0.0	195.5	2.0

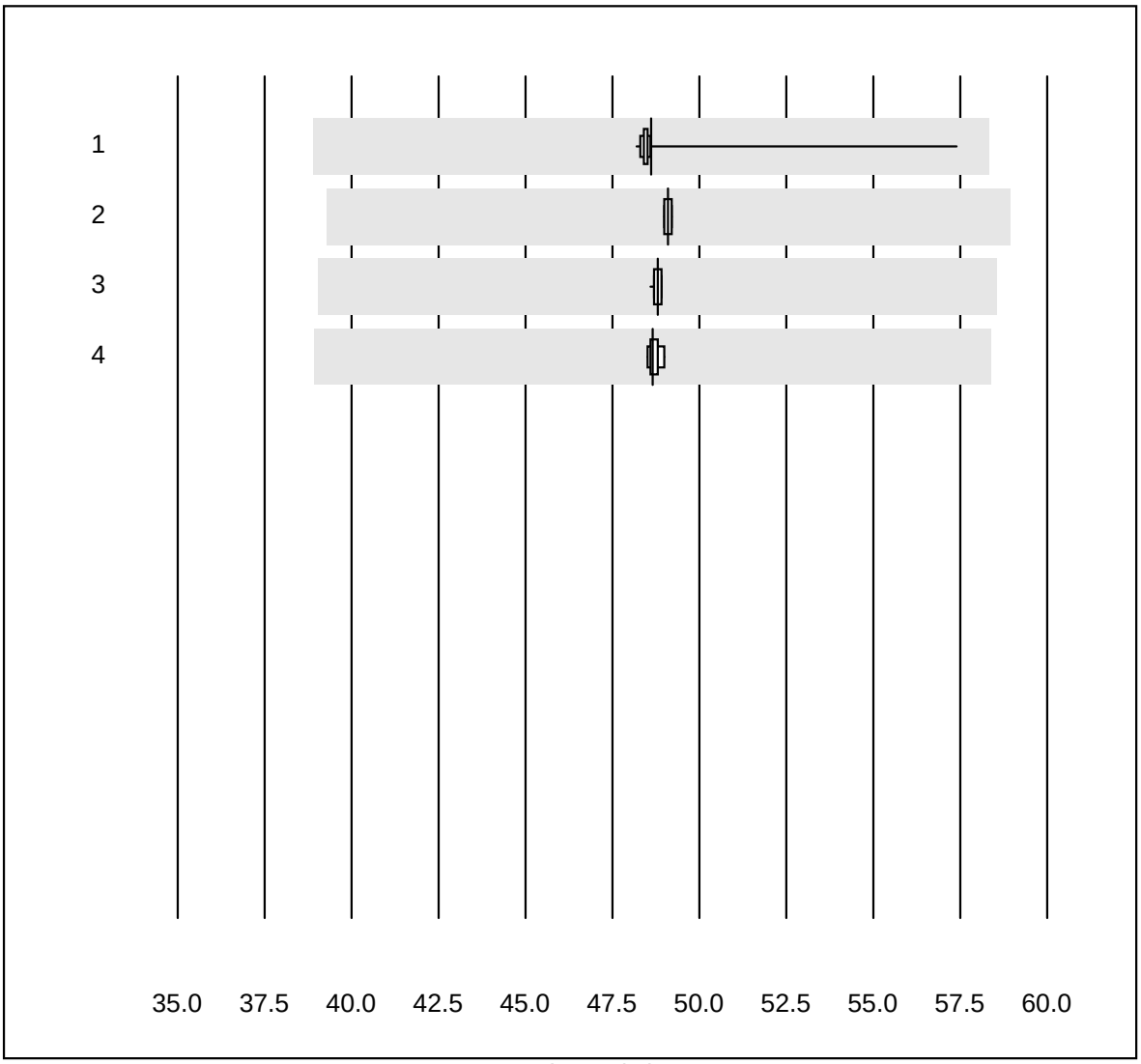
sO2 OR



QUALAB tolerance : 20 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	ABL700/800 Radiomete	51	100.0	0.0	0.0	70.373	0.1
2	Radiometer NPT-7	6	100.0	0.0	0.0	70.200	0.2
3	ABL 90	16	100.0	0.0	0.0	70.413	0.1
4	ABL 80 / Coox	7	100.0	0.0	0.0	70.500	0.3

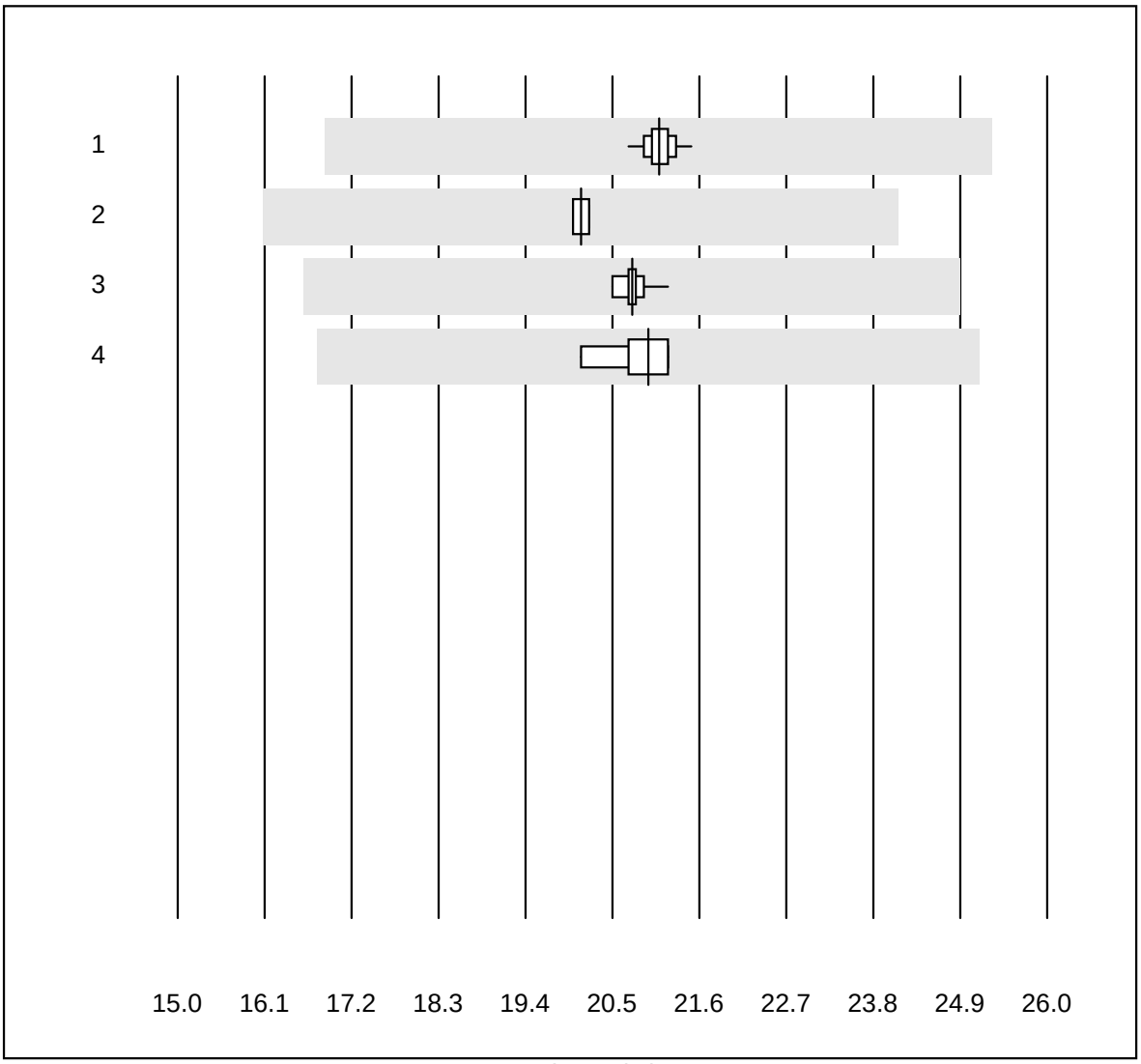
FO2Hb OR



QUALAB tolerance : 20 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	ABL700/800 Radiomete	47	100.0	0.0	0.0	48.623	2.7
2	Radiometer NPT-7	7	100.0	0.0	0.0	49.100	0.2
3	ABL 90	16	100.0	0.0	0.0	48.800	0.2
4	ABL 80 / Coox	7	100.0	0.0	0.0	48.650	0.3

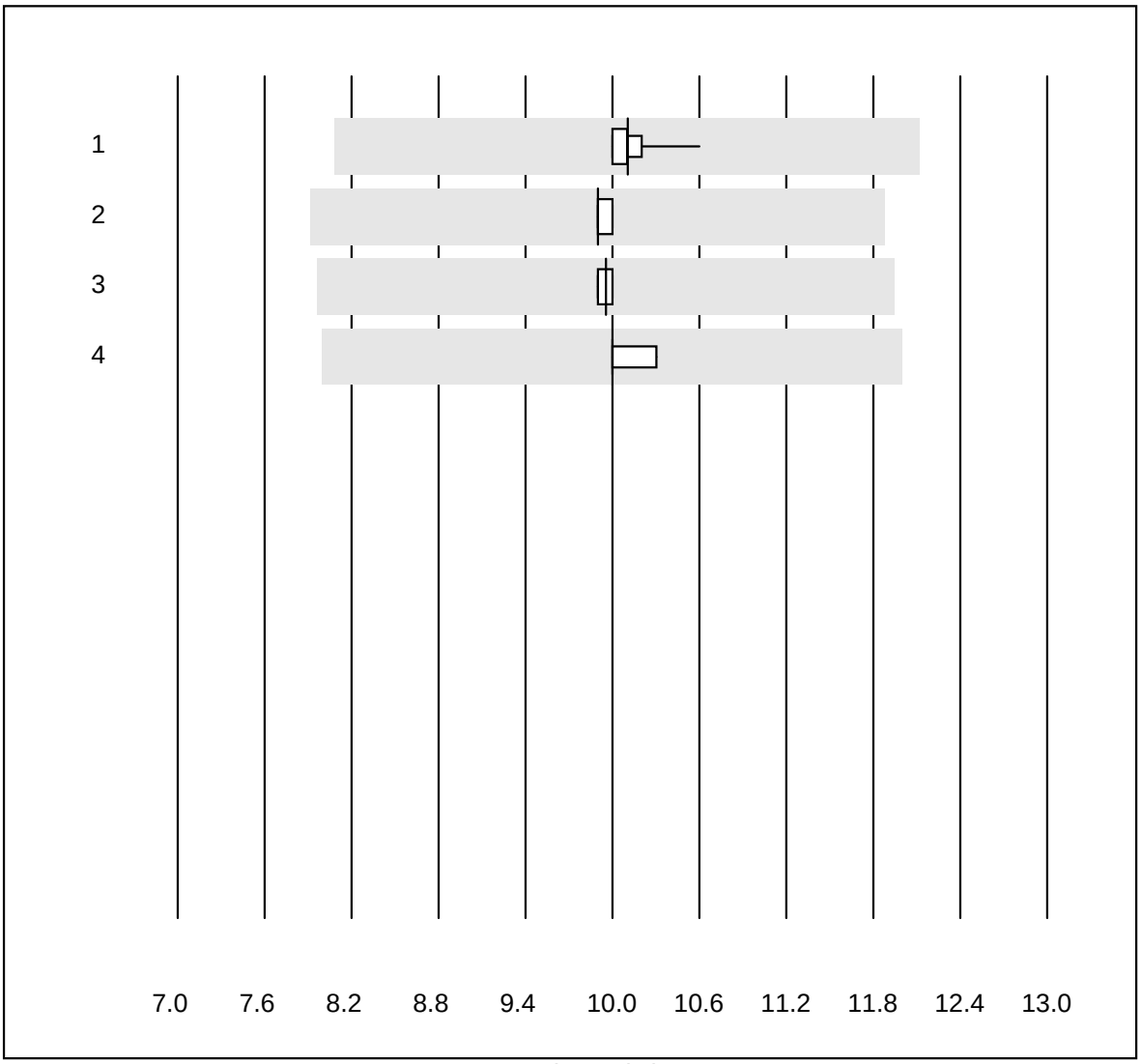
FCOHb OR



QUALAB tolerance : 20 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	ABL700/800 Radiomete	48	97.9	0.0	2.1	21.090	0.8
2	Radiometer NPT-7	7	100.0	0.0	0.0	20.100	0.4
3	ABL 90	16	100.0	0.0	0.0	20.750	0.8
4	ABL 80 / Coox	7	100.0	0.0	0.0	20.950	1.8

FMetHb OR

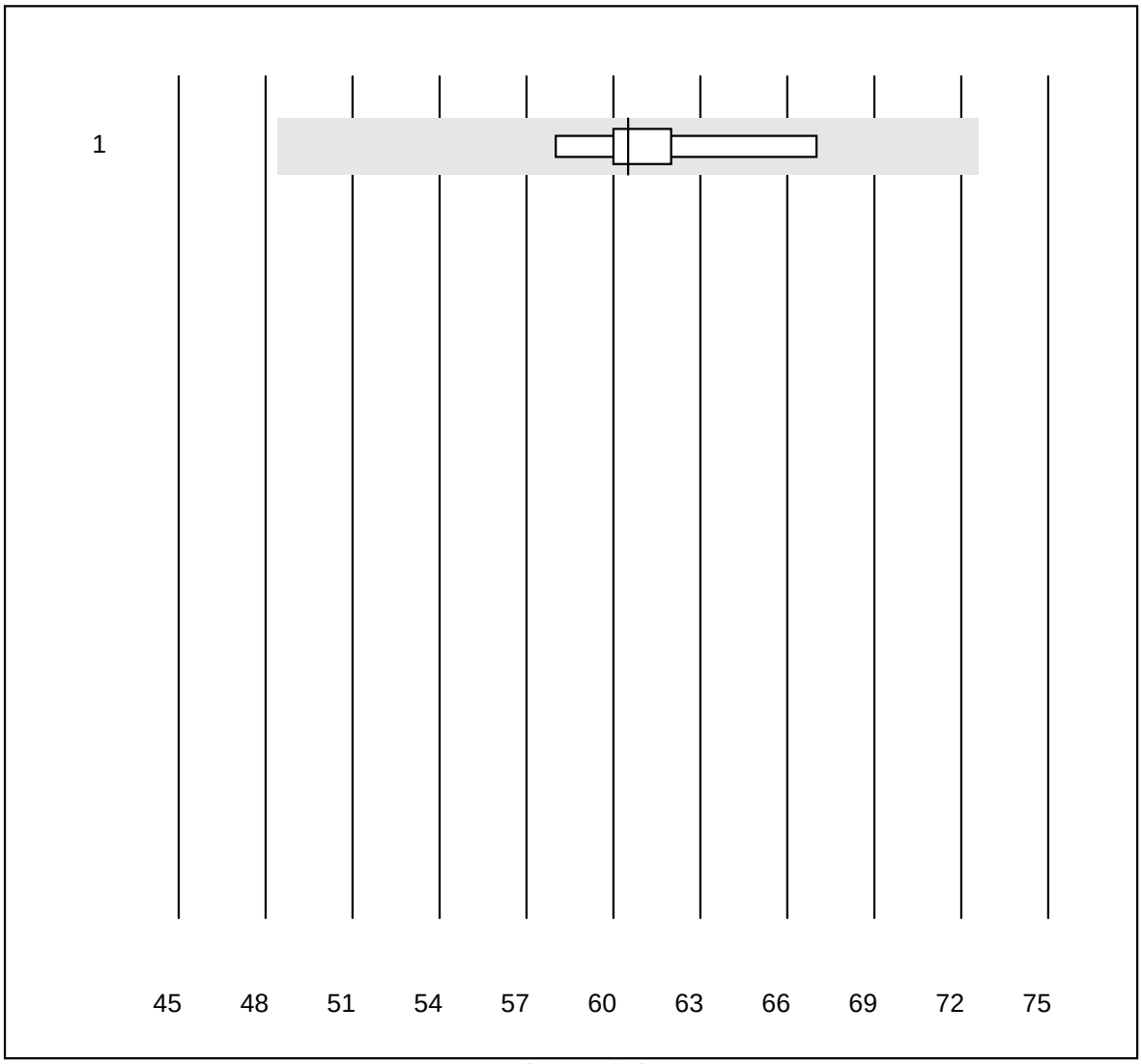


QUALAB tolerance : 20 %

FMetHb OR (%)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	ABL700/800 Radiomete	49	98.0	0.0	2.0	10.104	1.1
2	Radiometer NPT-7	7	100.0	0.0	0.0	9.900	0.5
3	ABL 90	16	100.0	0.0	0.0	9.956	0.5
4	ABL 80 / Coox	7	100.0	0.0	0.0	10.000	1.1

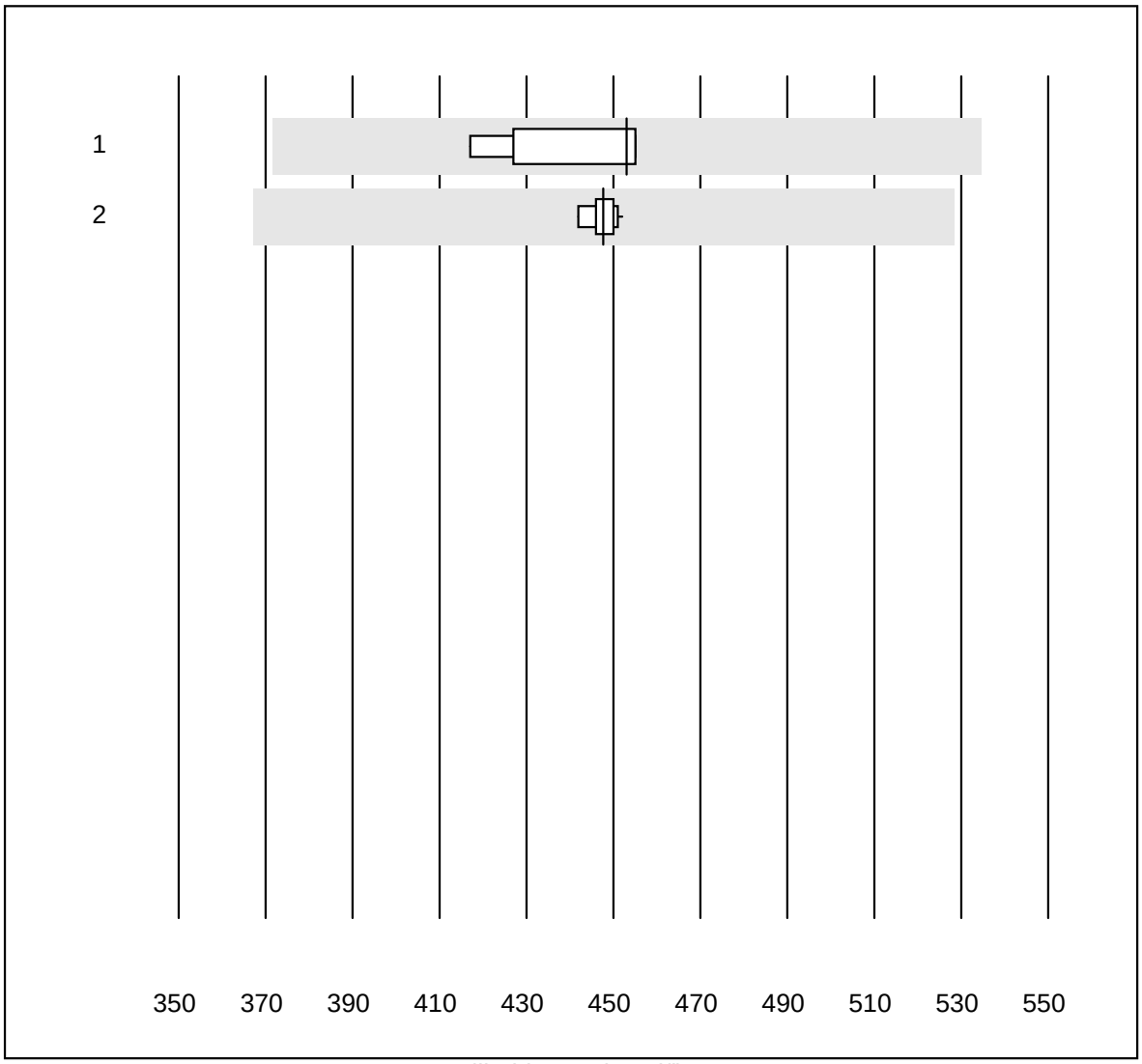
FHbF OR



QUALAB tolerance : 20 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	ABL 90	6	100.0	0.0	0.0	60.500	5.0

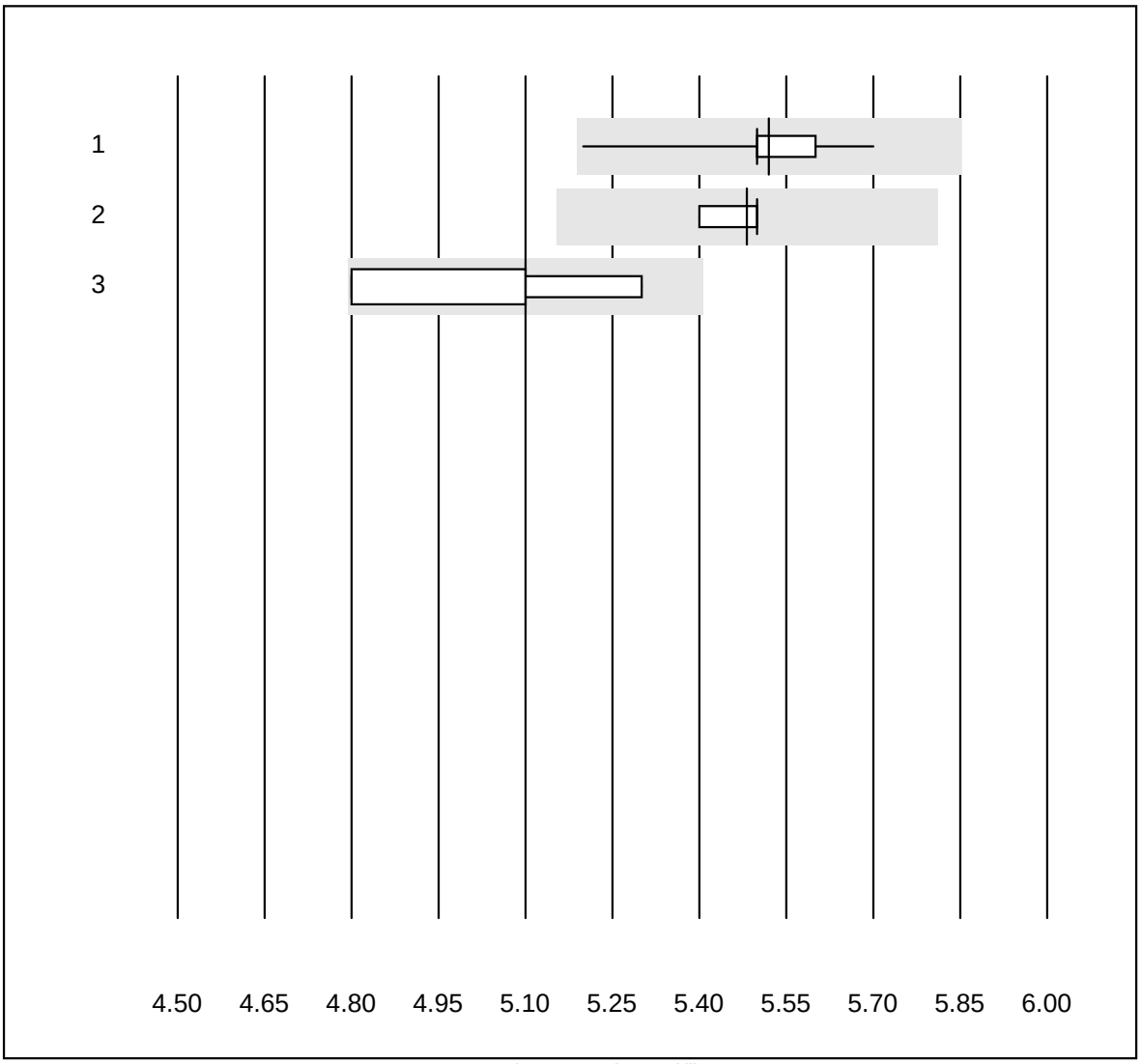
Bilirubin OR



QUALAB tolerance : 18 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	ABL700/800 Radiomete	7	100.0	0.0	0.0	453.0	3.6
2	ABL 90	10	100.0	0.0	0.0	447.7	0.8

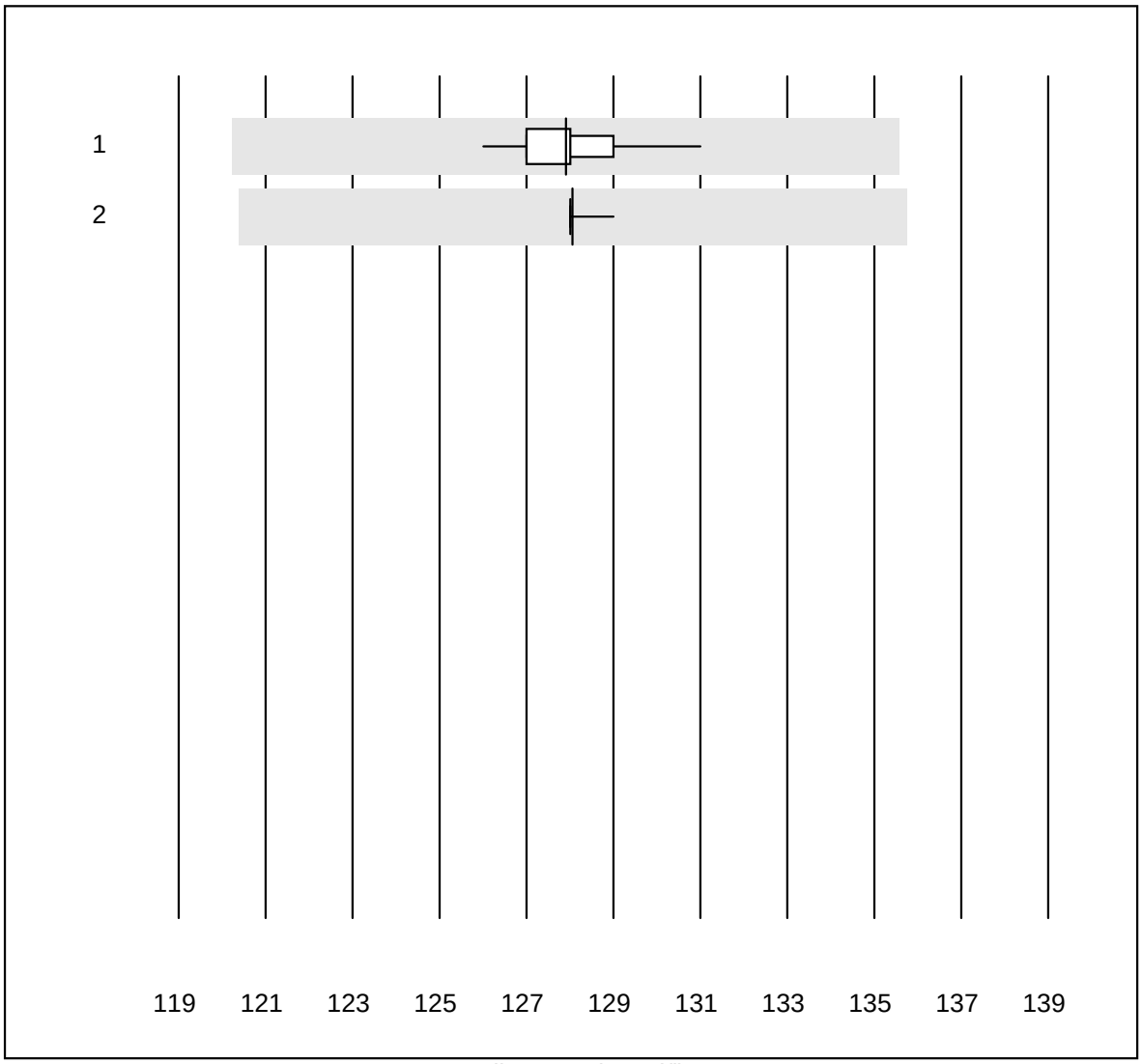
Potassium OR



QUALAB tolerance : 6 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	ABL700/800 Radiomete	64	100.0	0.0	0.0	5.5	1.2
2	ABL 90	17	100.0	0.0	0.0	5.5	0.7
3	ABL 80 / Coox	4	100.0	0.0	0.0	5.1	4.1

Sodium OR

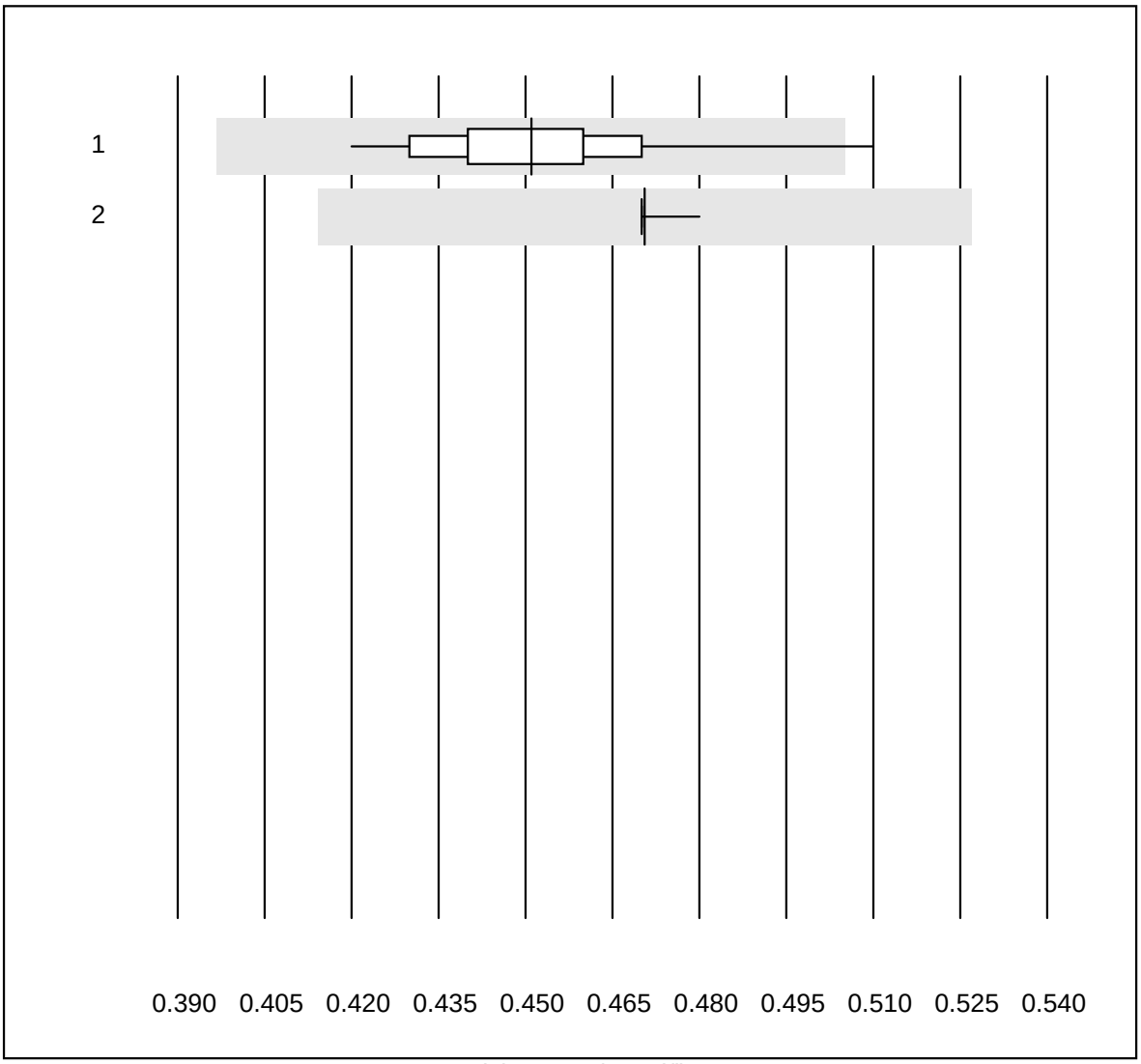


QUALAB tolerance : 6 %

Sodium OR (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	ABL700/800 Radiomete	61	100.0	0.0	0.0	127.9	0.8
2	ABL 90	17	100.0	0.0	0.0	128.1	0.2

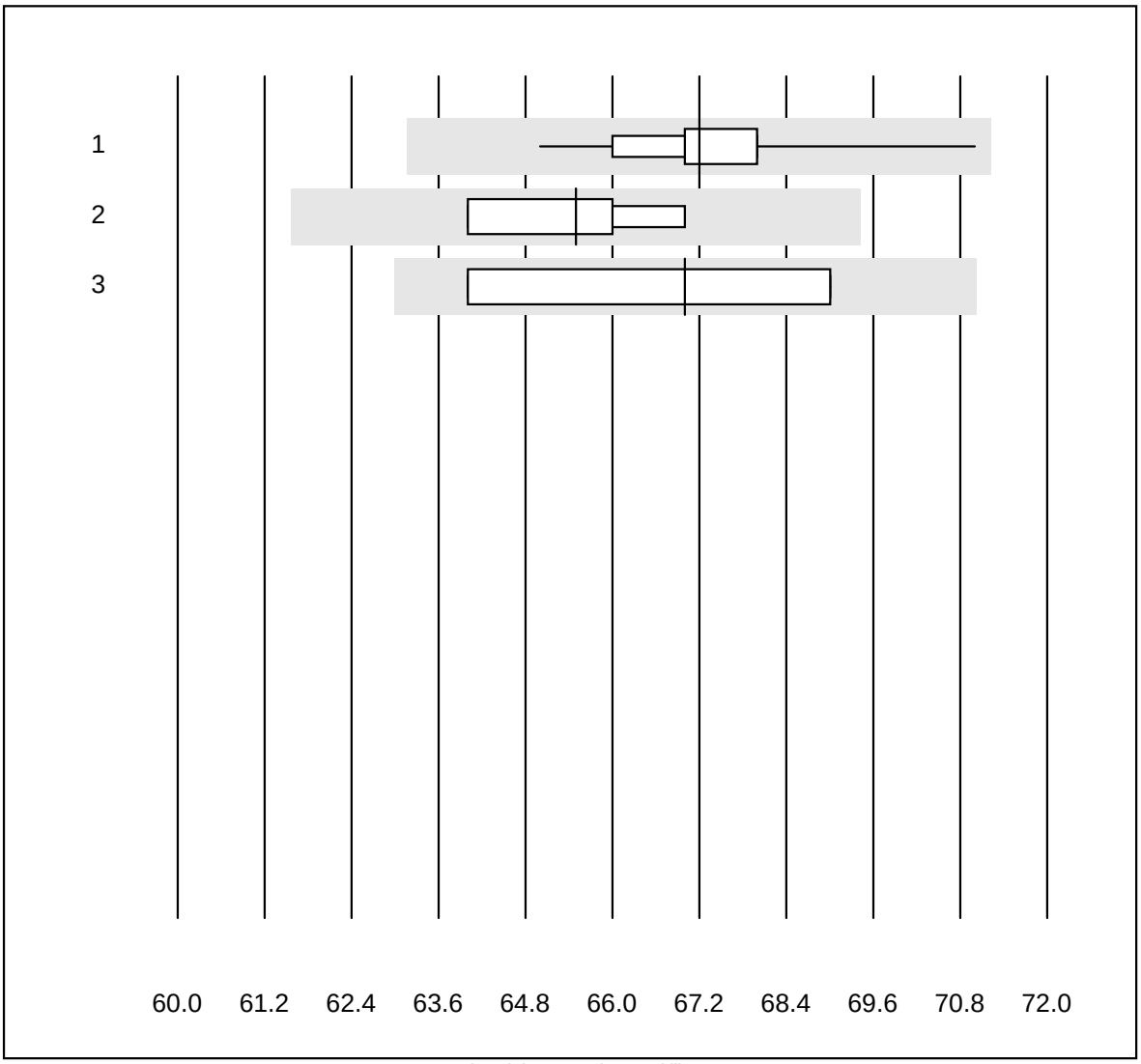
Calcium OR



QUALAB tolerance : 12 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	ABL700/800 Radiomete	63	96.8	1.6	1.6	0.45	3.2
2	ABL 90	17	100.0	0.0	0.0	0.47	0.5

Choride OR

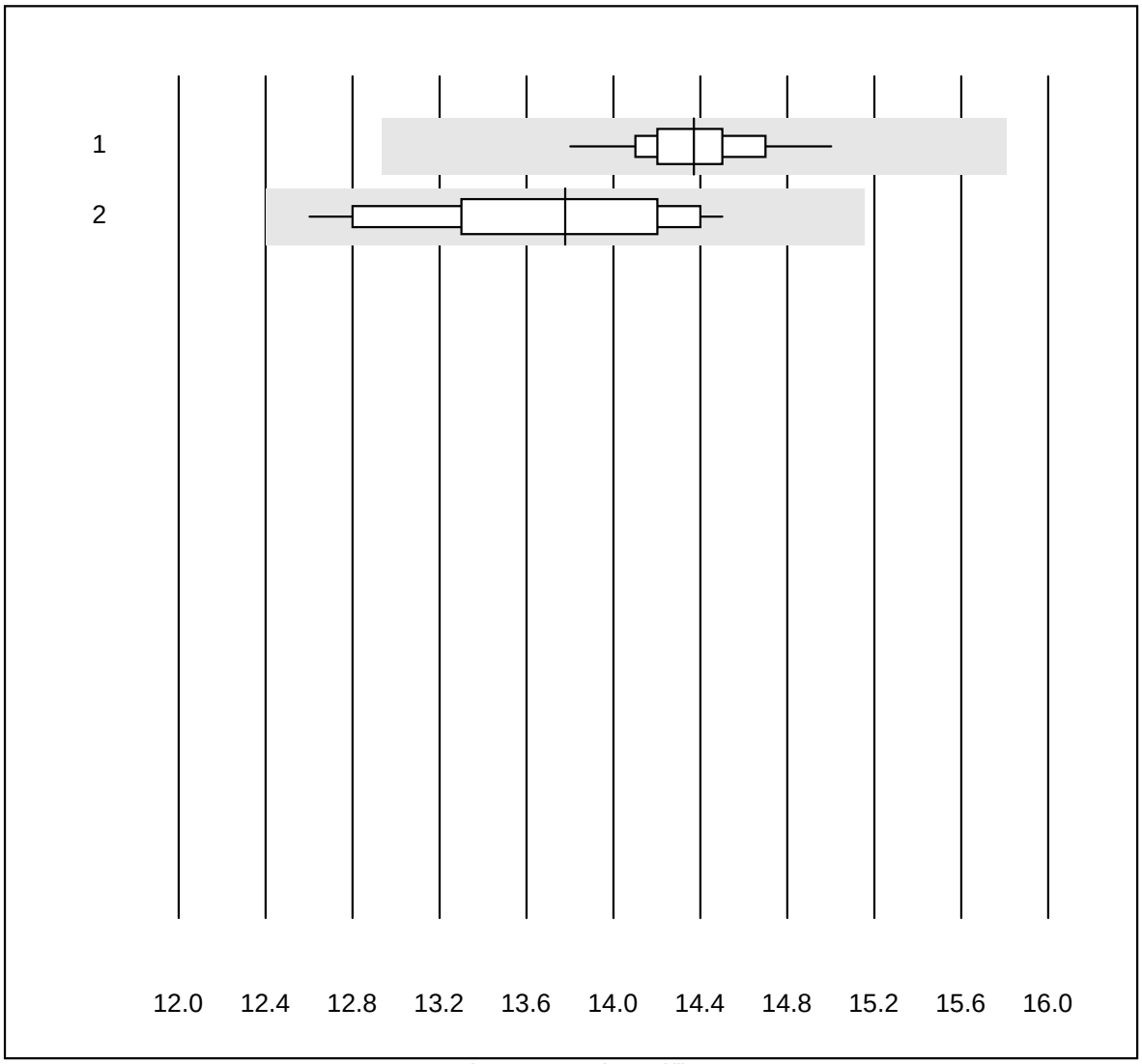


QUALAB tolerance : 6 %

Choride OR (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	ABL700/800 Radiomete	51	100.0	0.0	0.0	67.20	1.7
2	ABL 90	16	100.0	0.0	0.0	65.50	1.8
3	ABL 80 / Coox	4	75.0	0.0	25.0	67.00	3.8

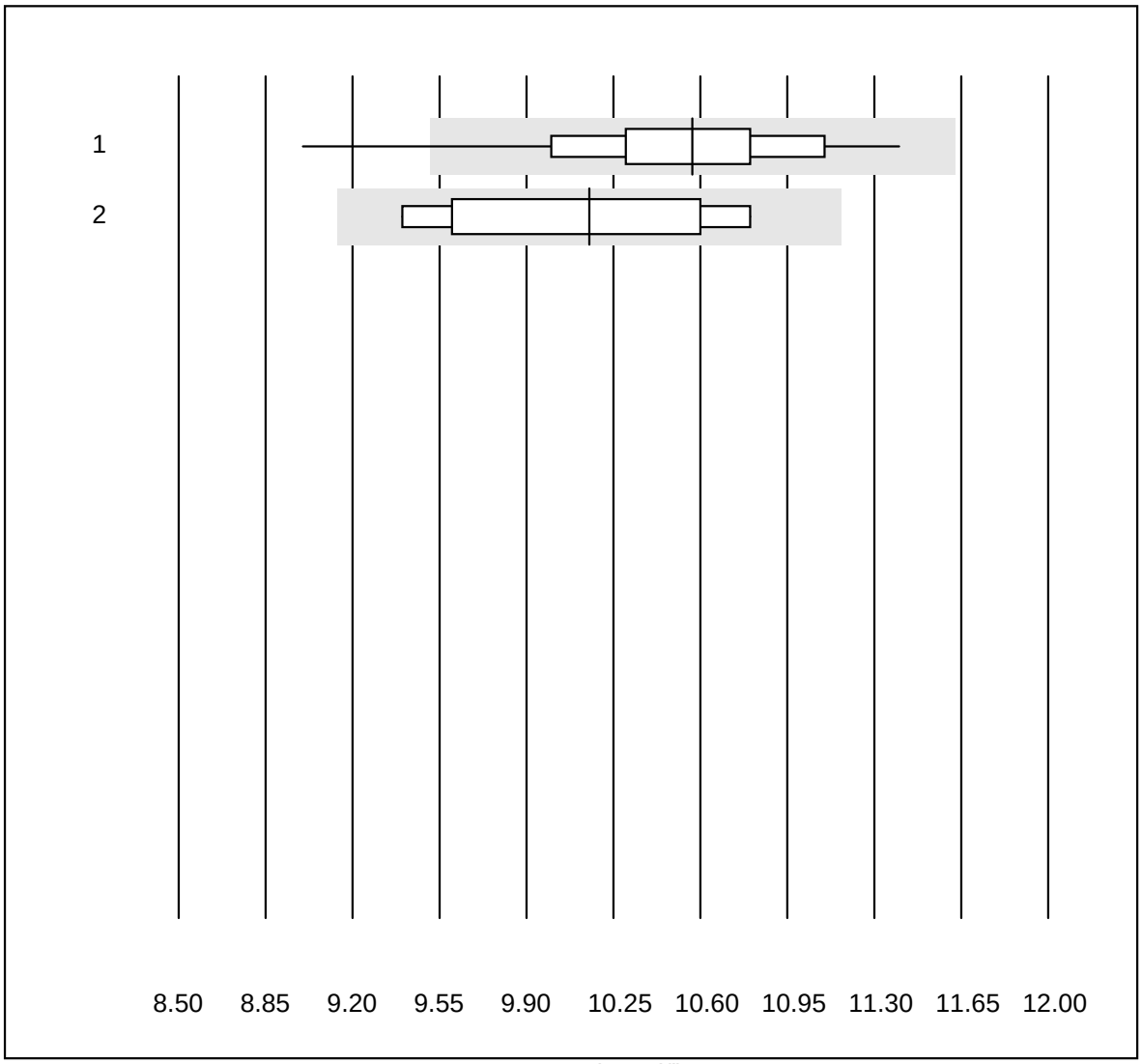
Glucose OR



QUALAB tolerance : 10 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	ABL700/800 Radiomete	63	100.0	0.0	0.0	14.4	1.9
2	ABL 90	17	100.0	0.0	0.0	13.8	4.2

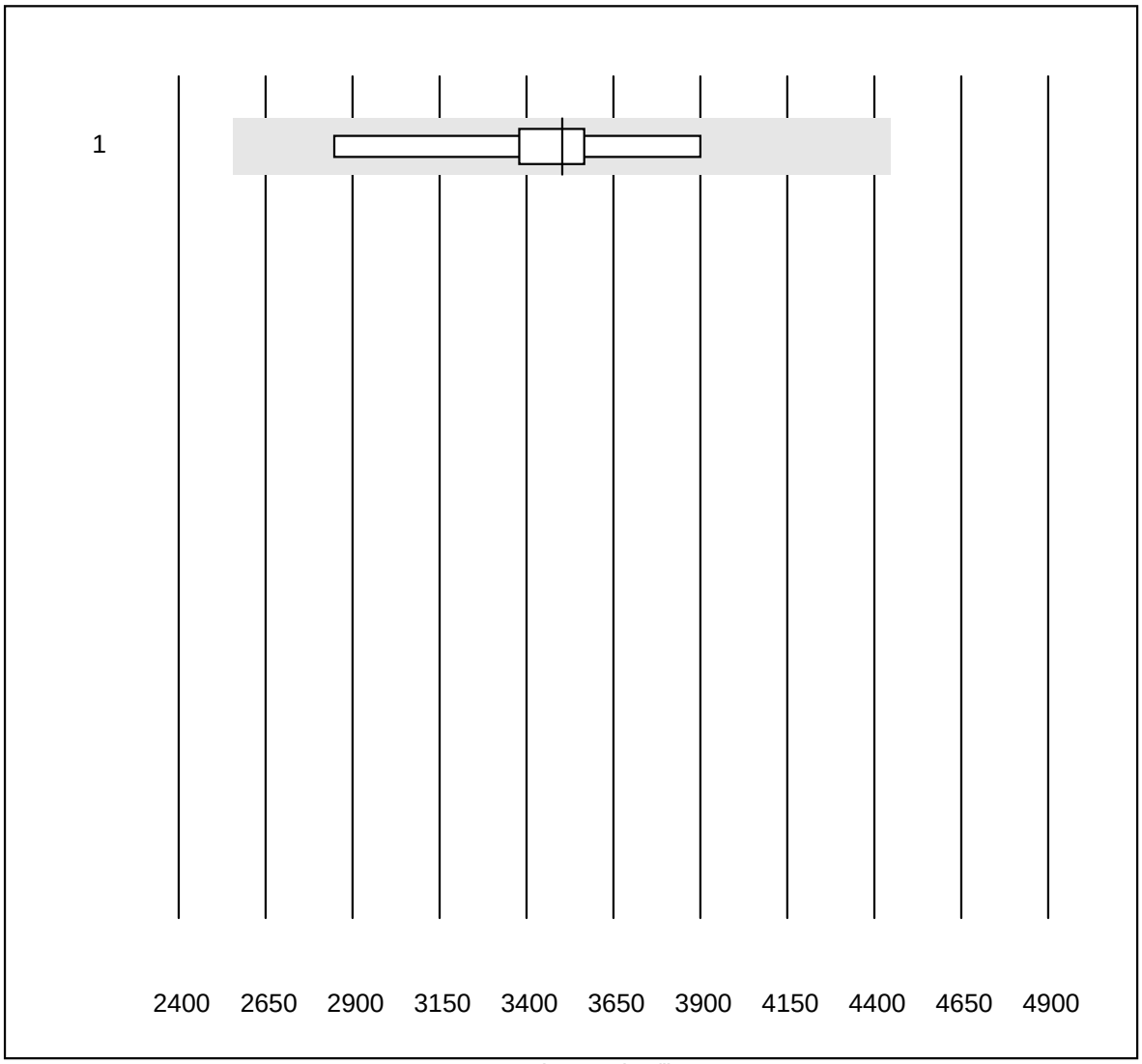
Lactate OR



QUALAB tolerance : 10 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	ABL700/800 Radiomete	65	95.4	4.6	0.0	10.57	4.4
2	ABL 90	17	100.0	0.0	0.0	10.15	5.0

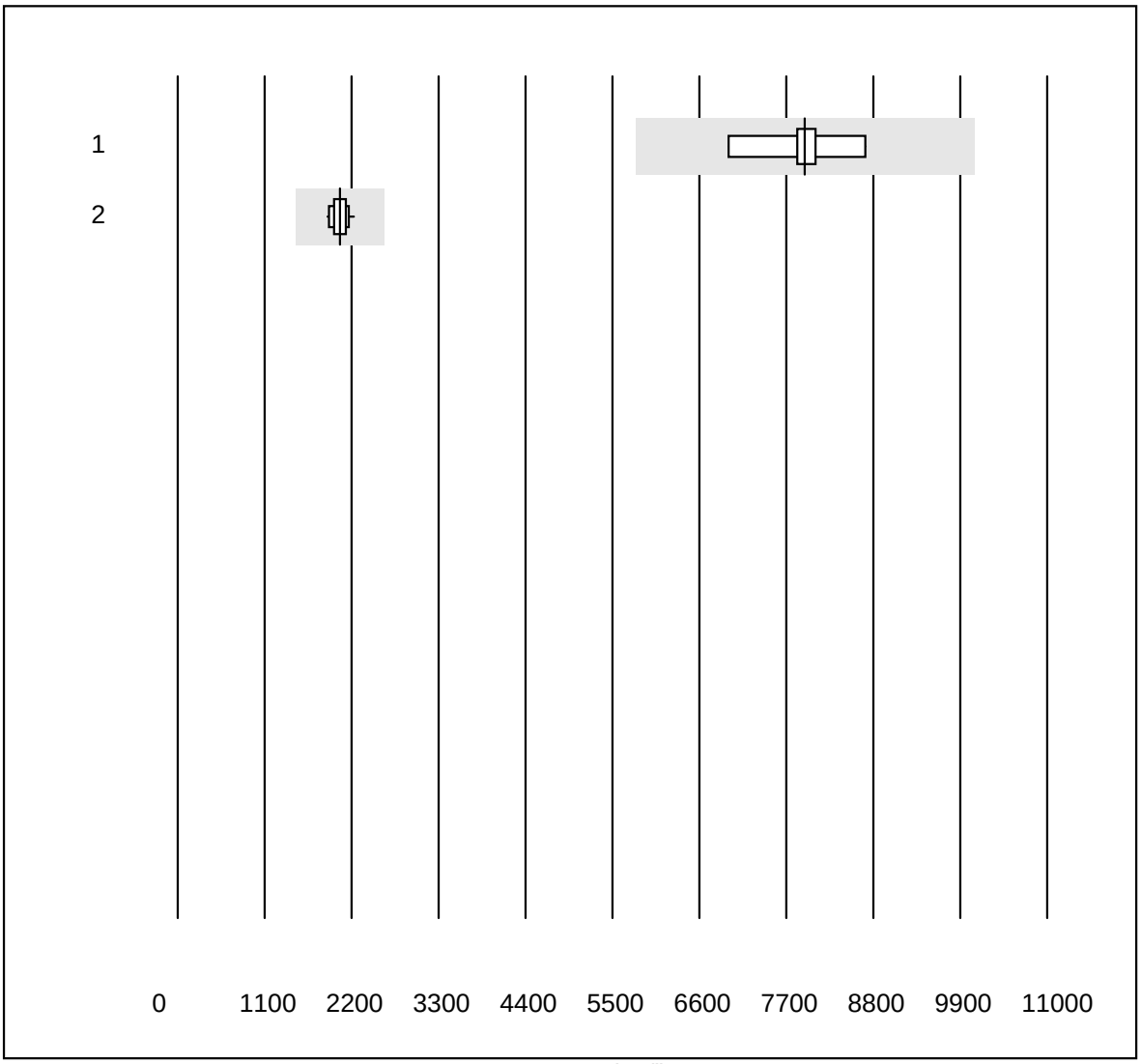
BNP Plasma



QUALAB tolerance : 27 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Advia Centaur	5	100.0	0.0	0.0	3503.0	11.1

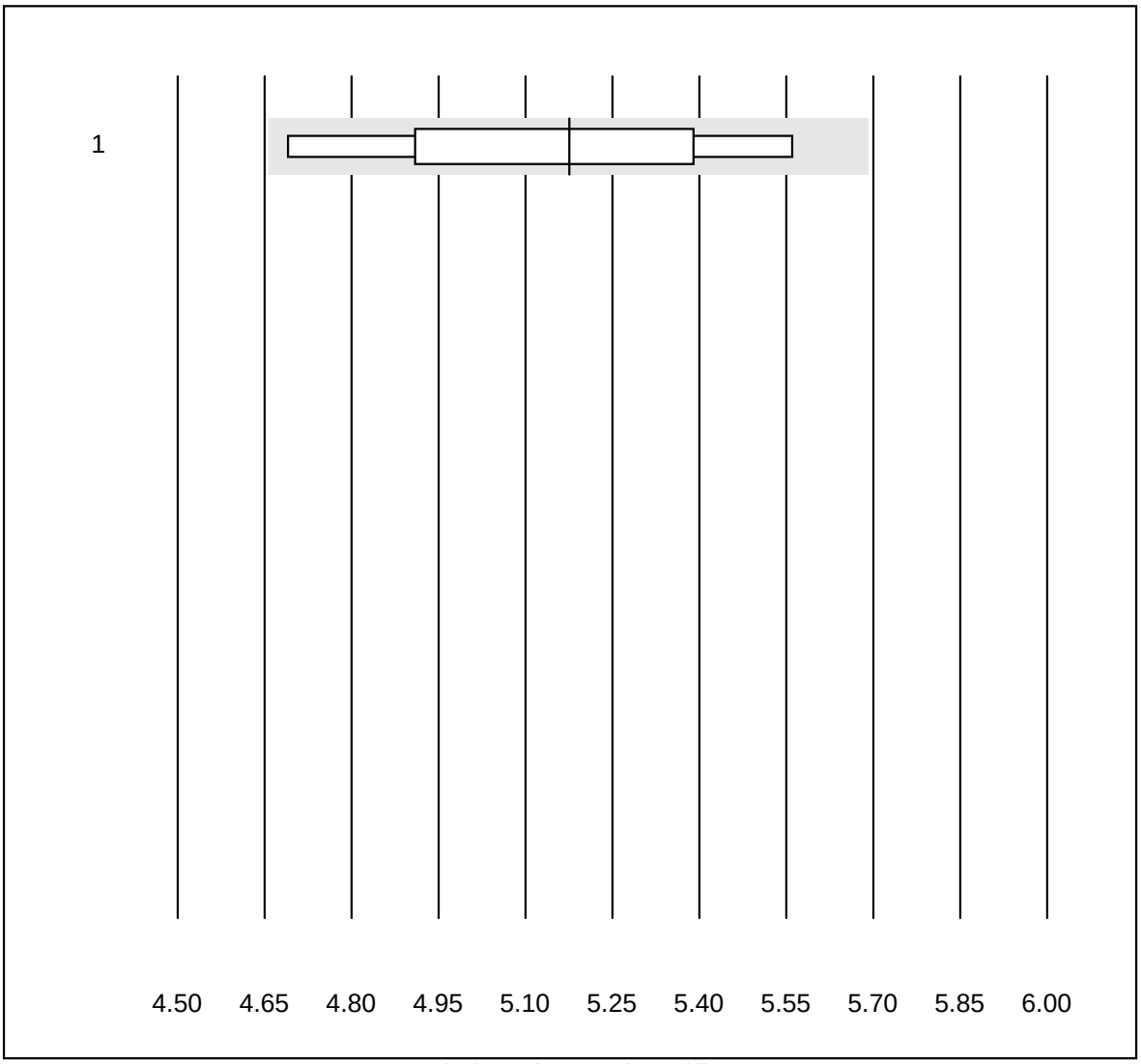
NT-proBNP



QUALAB tolerance : 27 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	AQT 90 FLEX	5	100.0	0.0	0.0	7935.0	7.9
2	Cobas E / Elecsys	13	100.0	0.0	0.0	2056.2	4.9

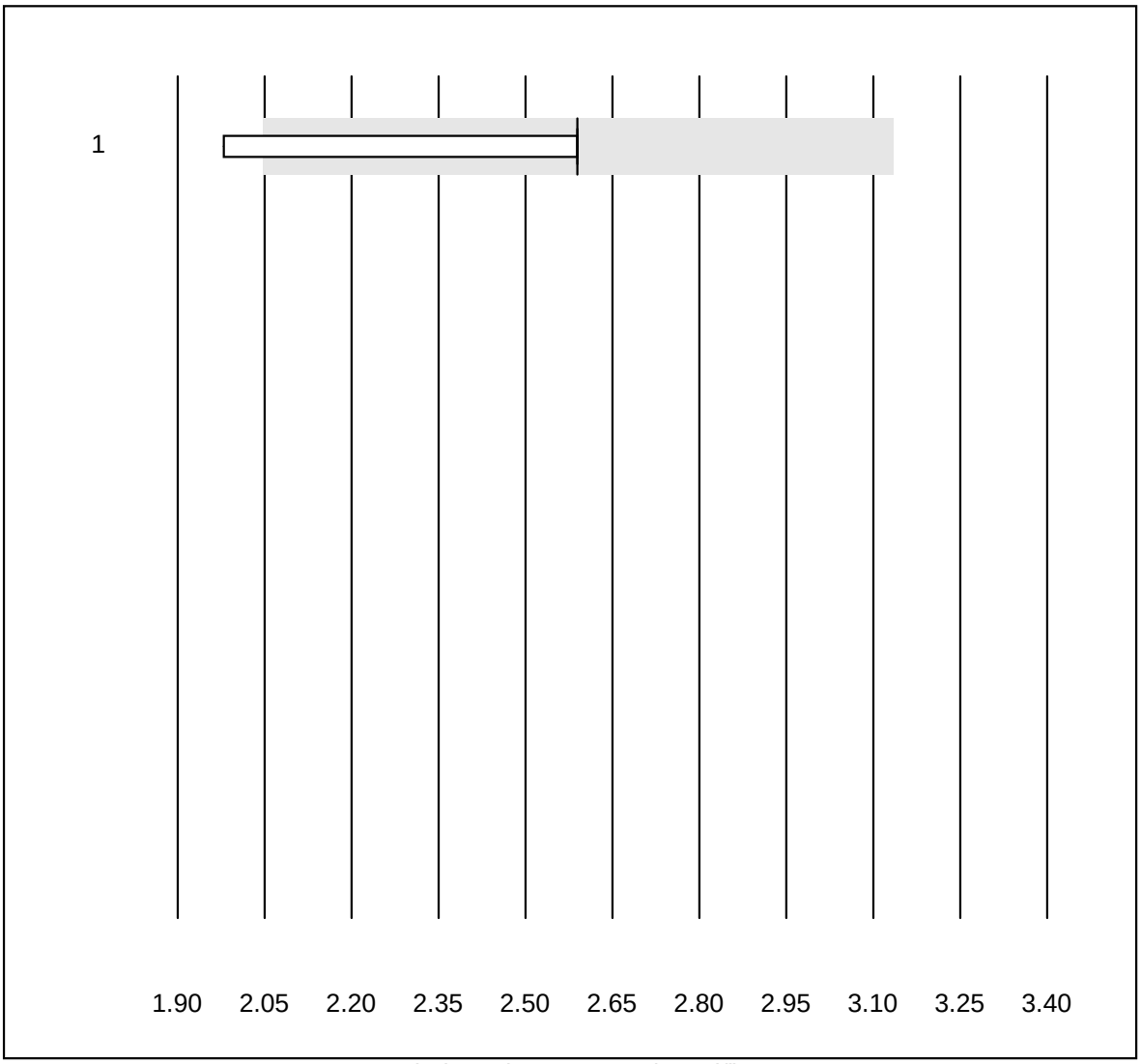
Cholesterin PTS



QUALAB tolerance : 10 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	CardioChek	6	83.3	0.0	16.7	5.2	7.1

Cholesterin HDL PTS

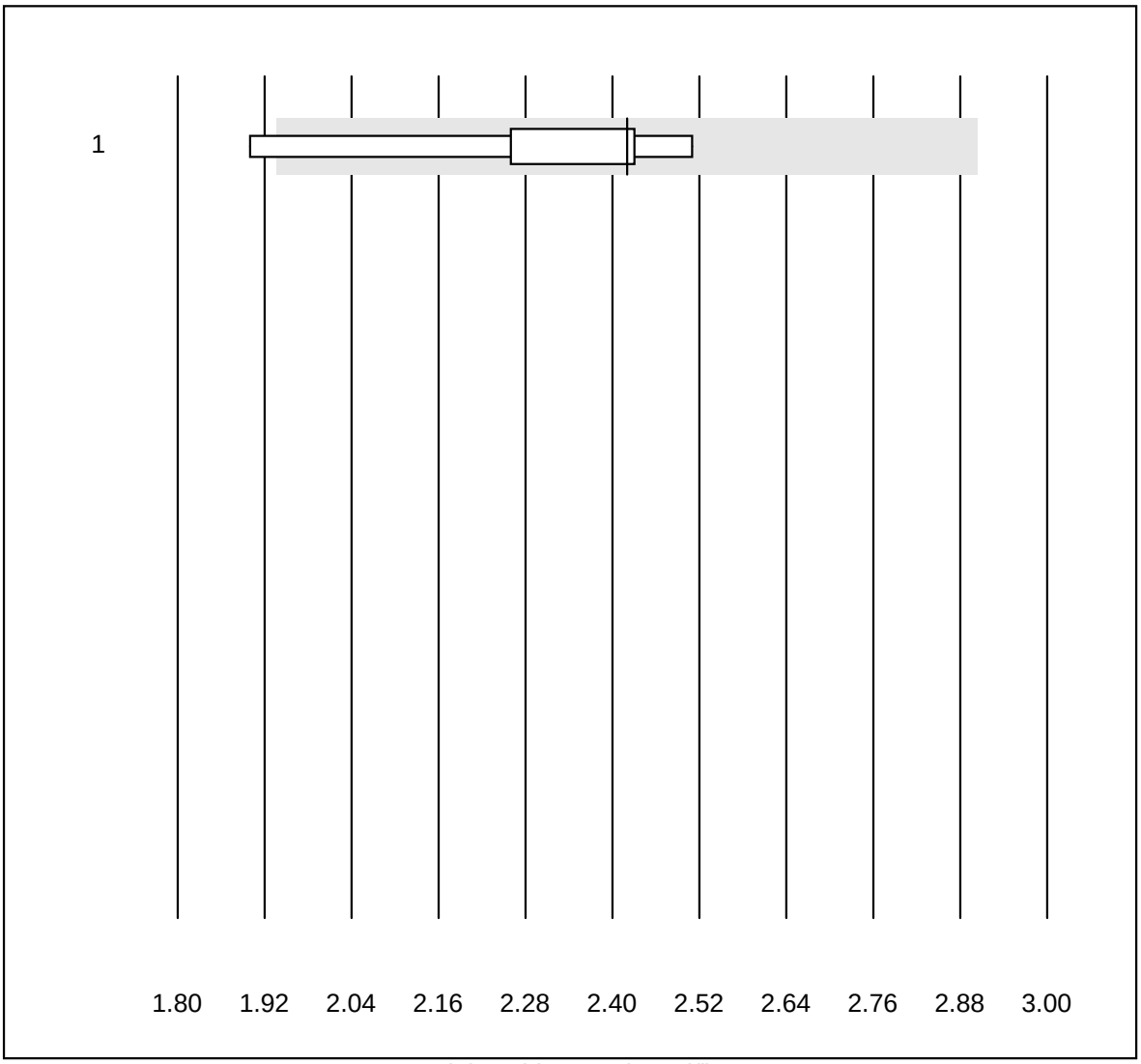


QUALAB tolerance : 21 %

Cholesterin HDL PTS (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	CardioChek	6	66.6	16.7	16.7	2.6	11.1

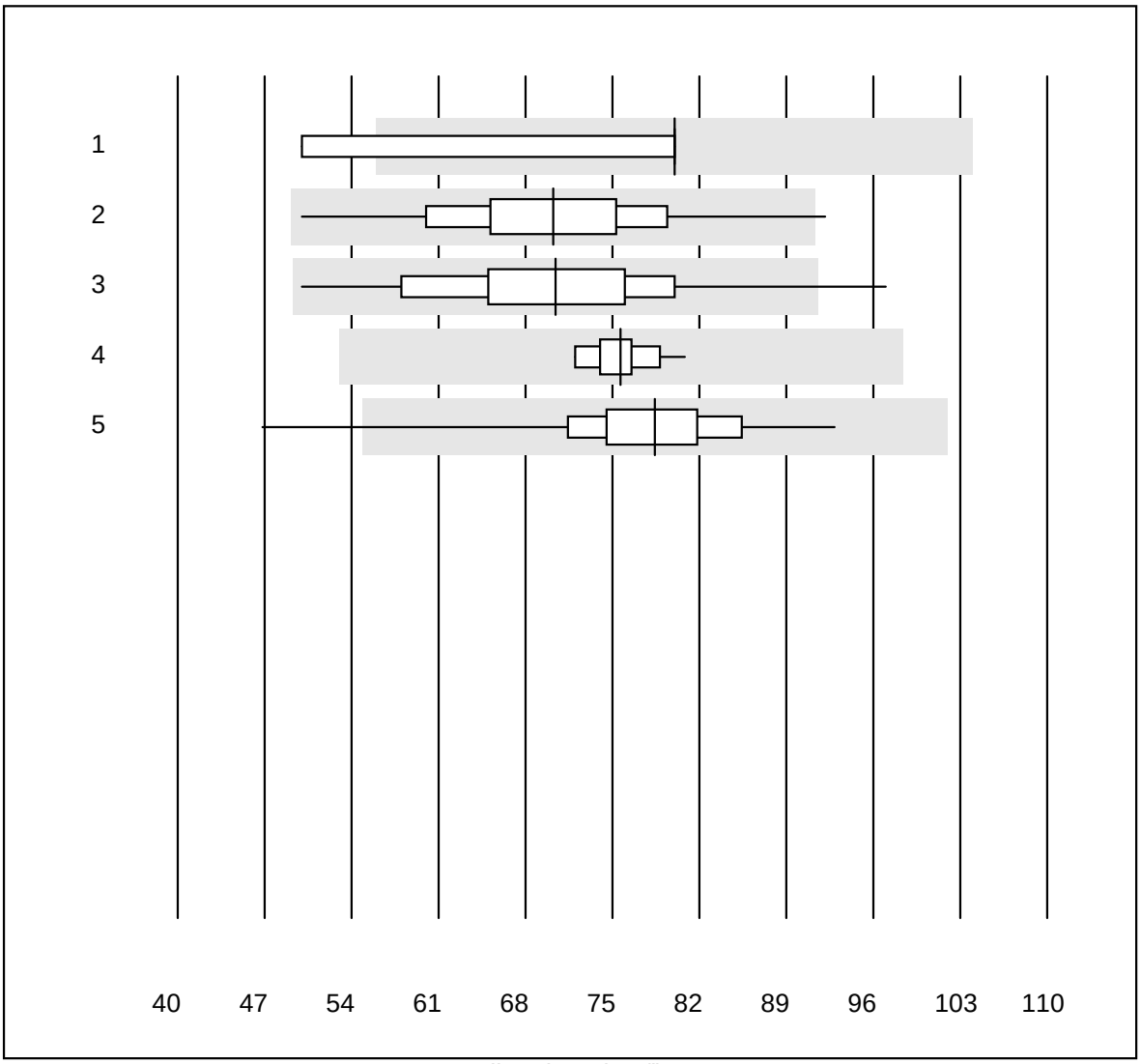
Triglyceride PTS



QUALAB tolerance : 20 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	CardioChek	6	66.6	16.7	16.7	2.42	10.5

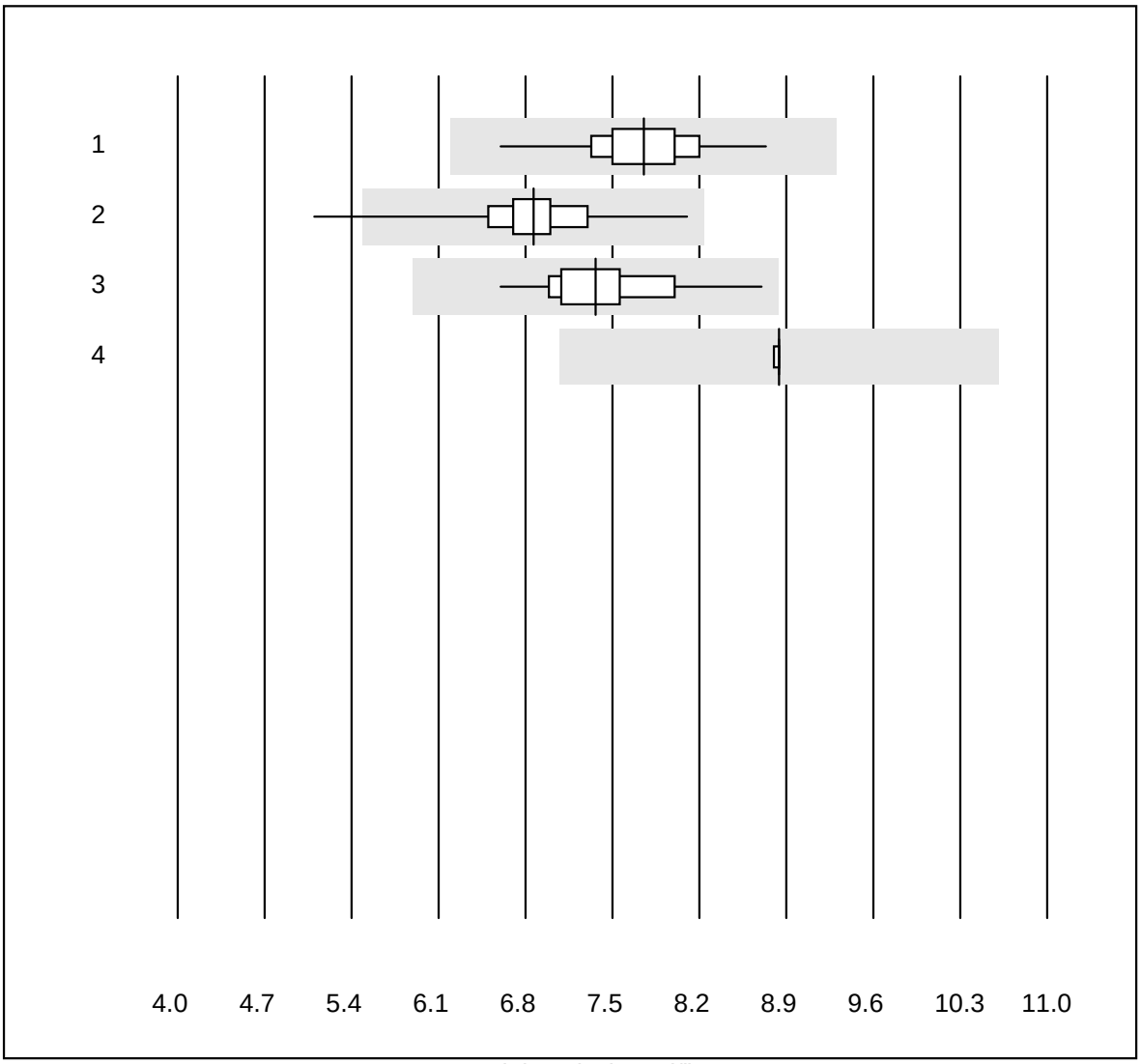
Albumin U



QUALAB tolerance : 30 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Siemens Clinitek	10	60.0	10.0	30.0	80.0	15.0
2	Afinion	254	98.0	0.4	1.6	70.2	10.7
3	NycoCard	29	79.3	6.9	13.8	70.4	15.1
4	Turbidimetry	12	100.0	0.0	0.0	75.7	3.3
5	DCA2000/Vantage	97	98.0	1.0	1.0	78.4	7.6

Kreatinin Urin

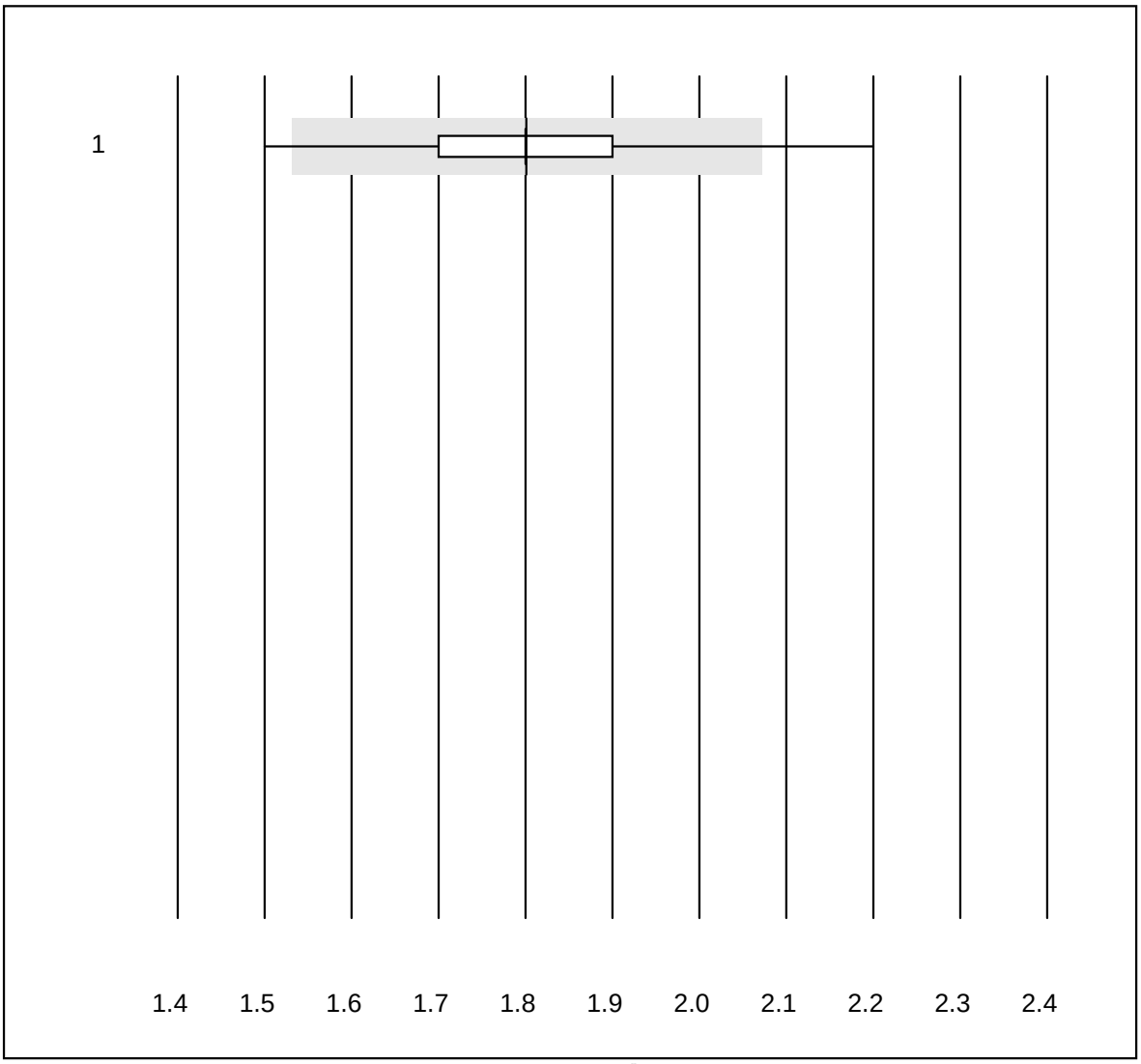


QUALAB tolerance : 20 %

Kreatinin Urin (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	DCA2000/Vantage	97	99.0	0.0	1.0	7.8	4.8
2	Afinion	253	98.0	0.8	1.2	6.9	5.3
3	Standard chemistry	23	95.7	0.0	4.3	7.4	6.4
4	Siemens Clinitek	8	75.0	0.0	25.0	8.8	0.2

INR CCXS

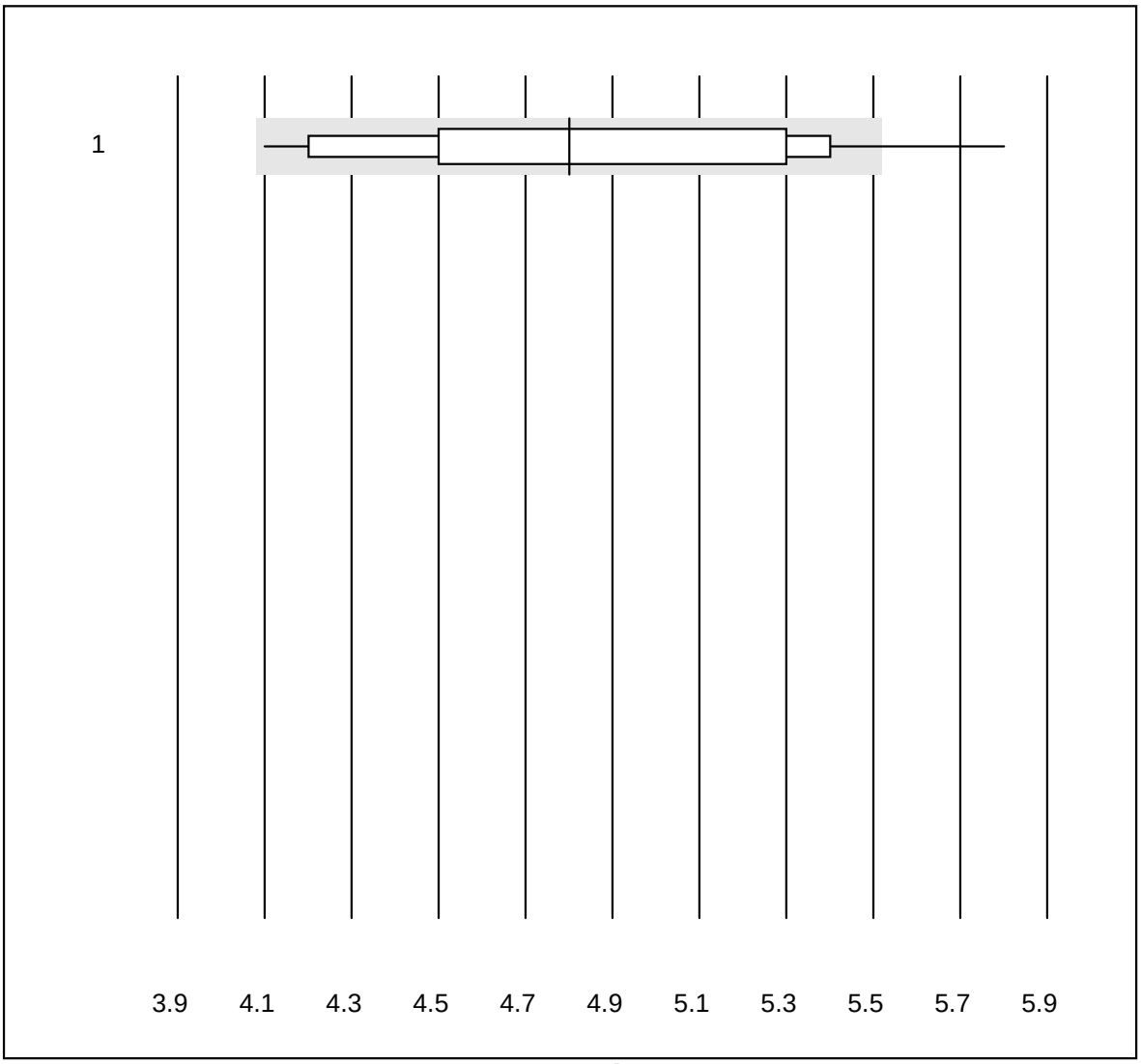


QUALAB tolerance : 15 %

INR CCXS ()

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	CoaguChek XS	2276	99.0	0.9	0.1	1.8	4.5

INR HC

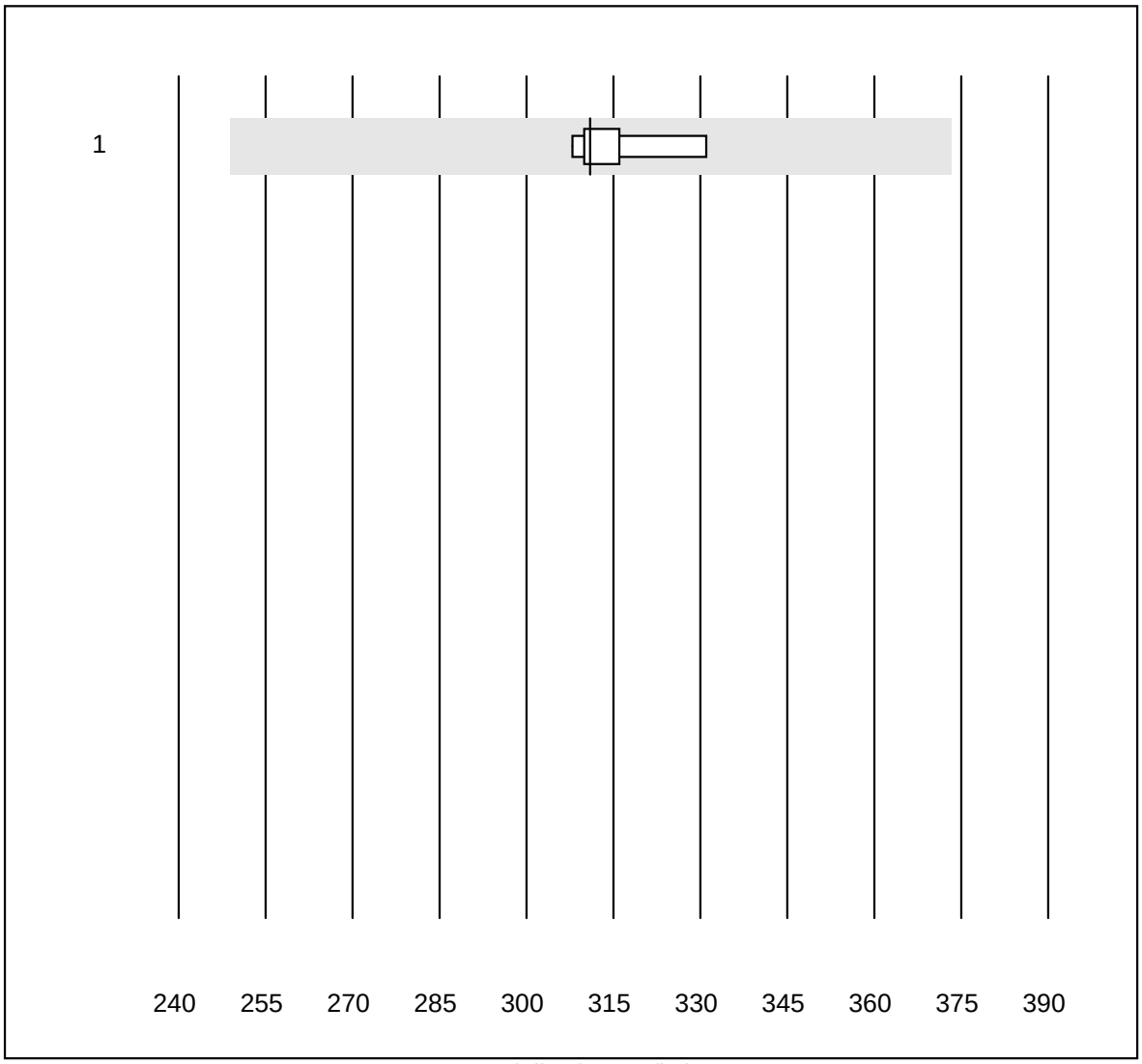


QUALAB tolerance : 15 %

INR HC ()

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Hemochron j.	35	97.1	2.9	0.0	4.8	9.3

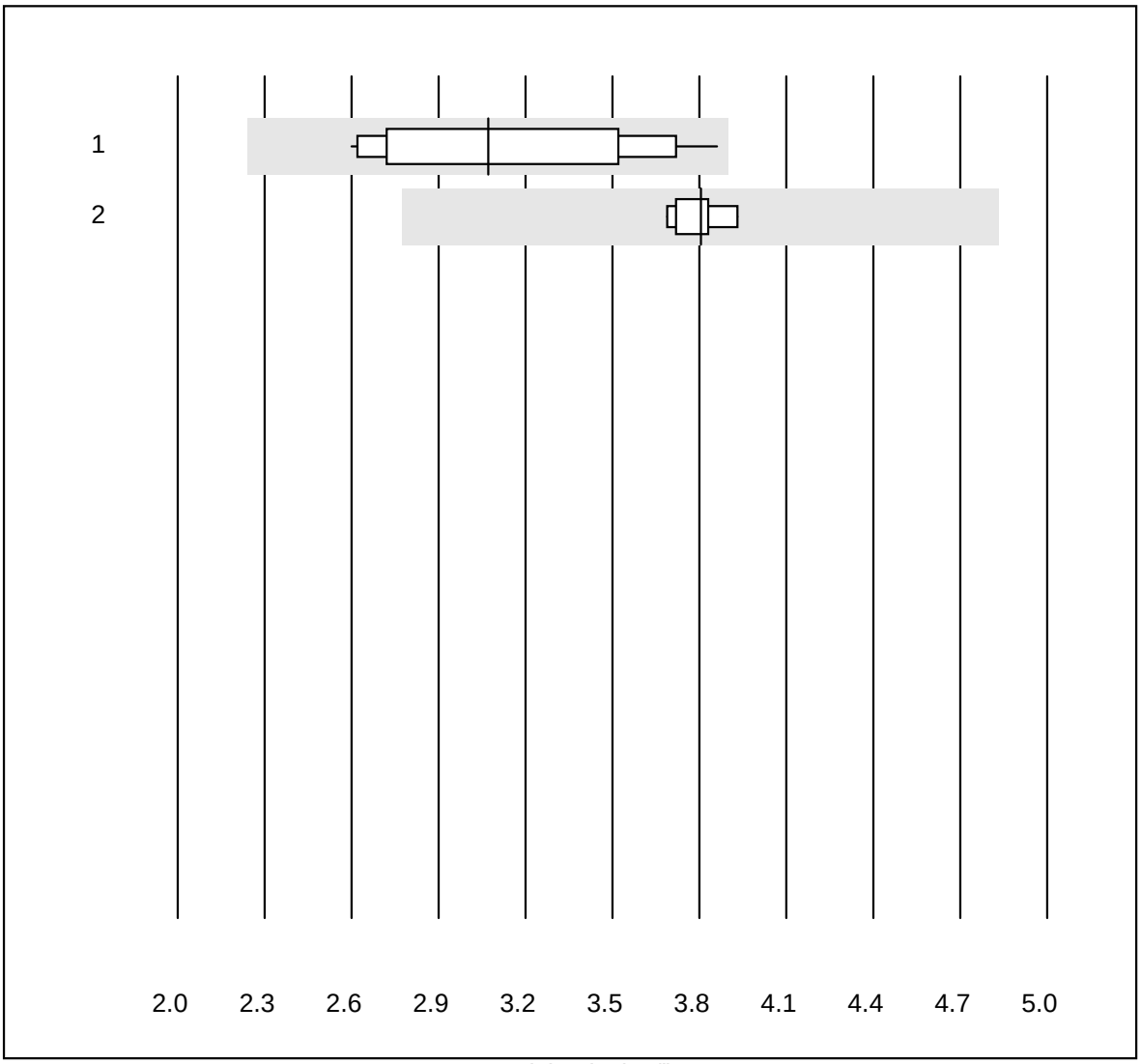
Osmolality



QUALAB tolerance : 20 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Cryoskopy	9	100.0	0.0	0.0	311	2.4

Procalcitonin

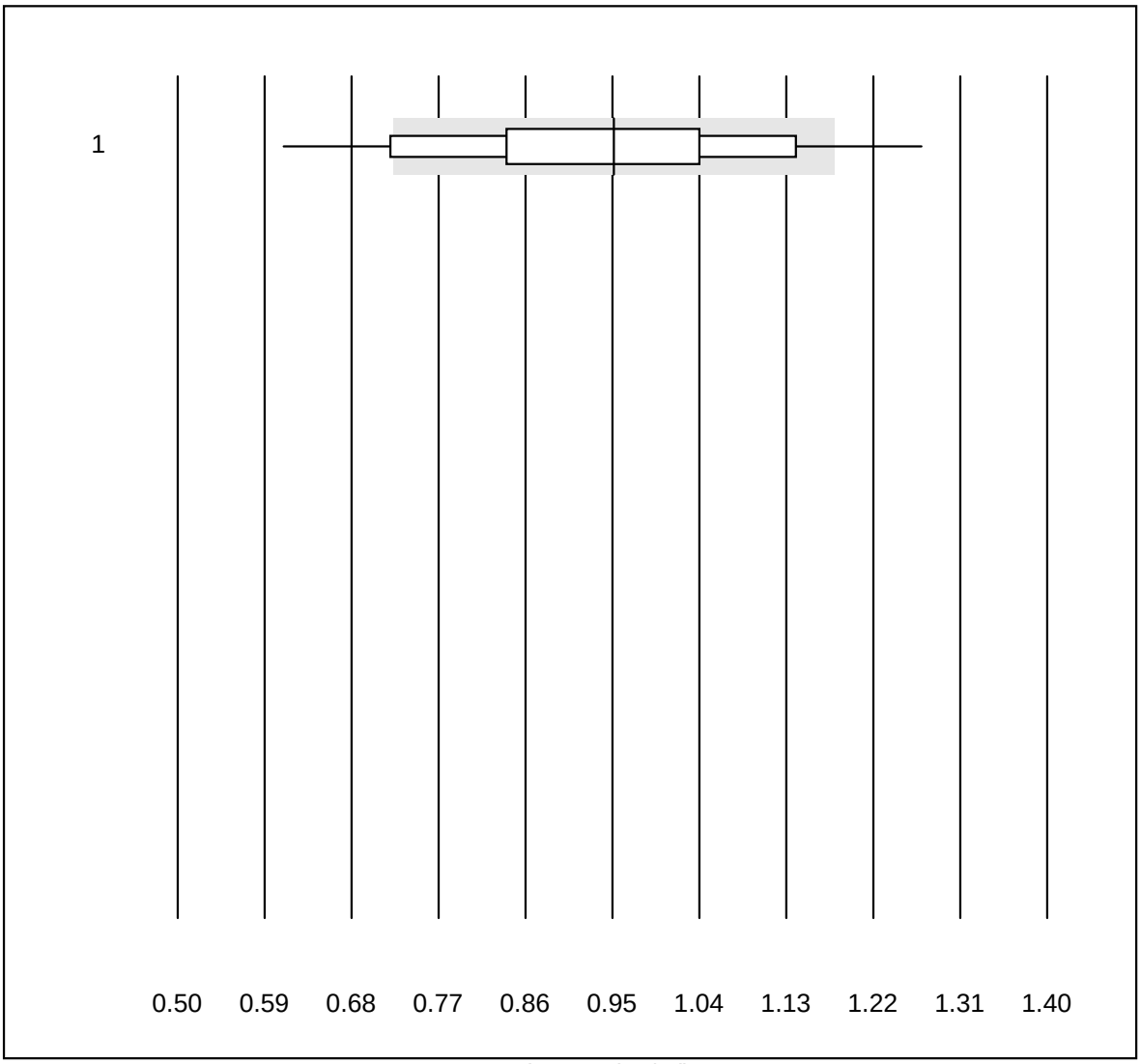


QUALAB tolerance : 27 %

Procalcitonin (ug/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	all Participants	14	100.0	0.0	0.0	3.07	13.9
2	Mini Vidas	8	100.0	0.0	0.0	3.81	2.0

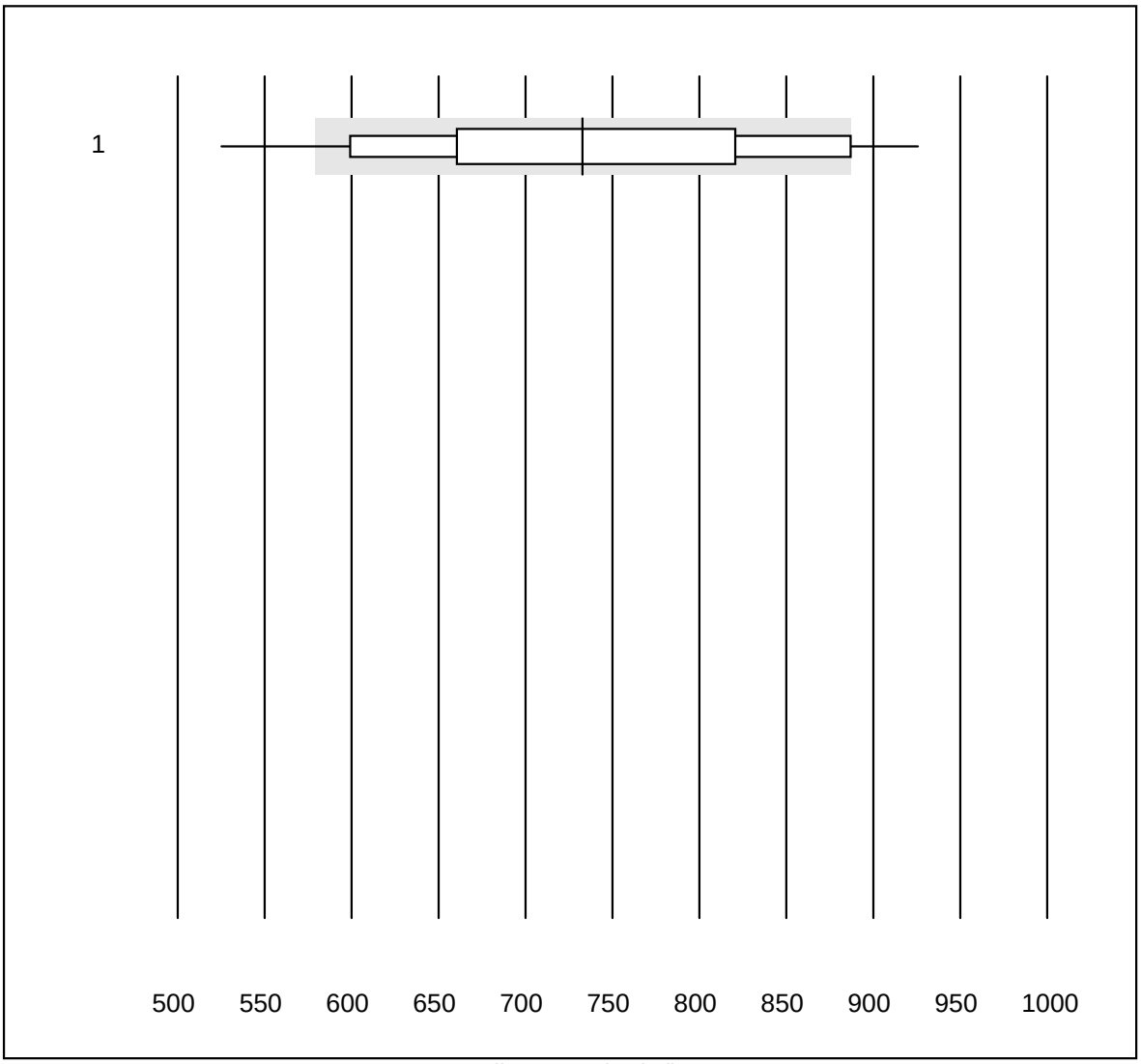
Troponin I DP



QUALAB tolerance : 24 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	DXpress Reader	58	63.8	13.8	22.4	0.95	16.0

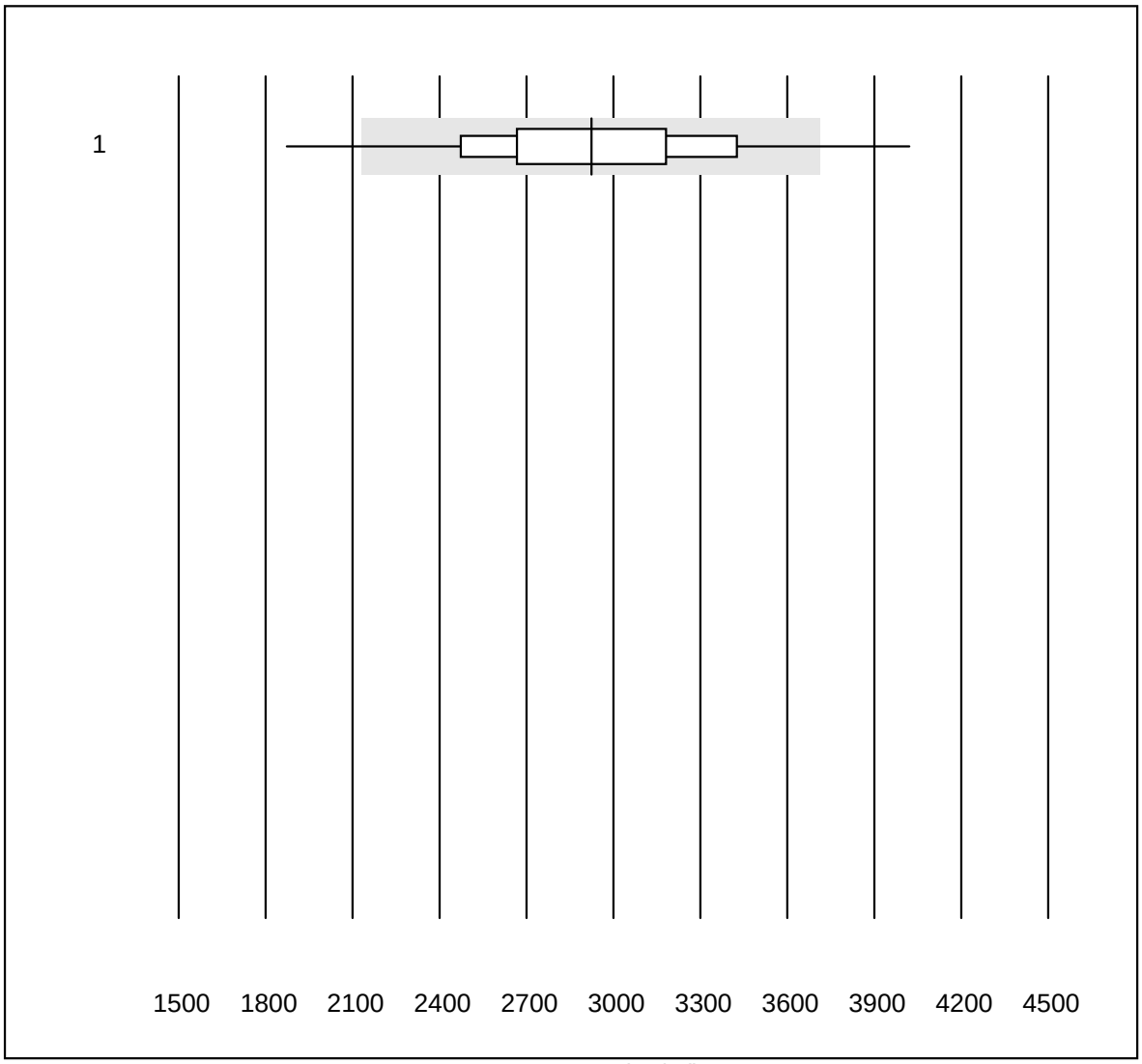
D-dimer DP



QUALAB tolerance : 21 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	DXpress Reader	59	52.5	10.2	37.3	732.90	14.6

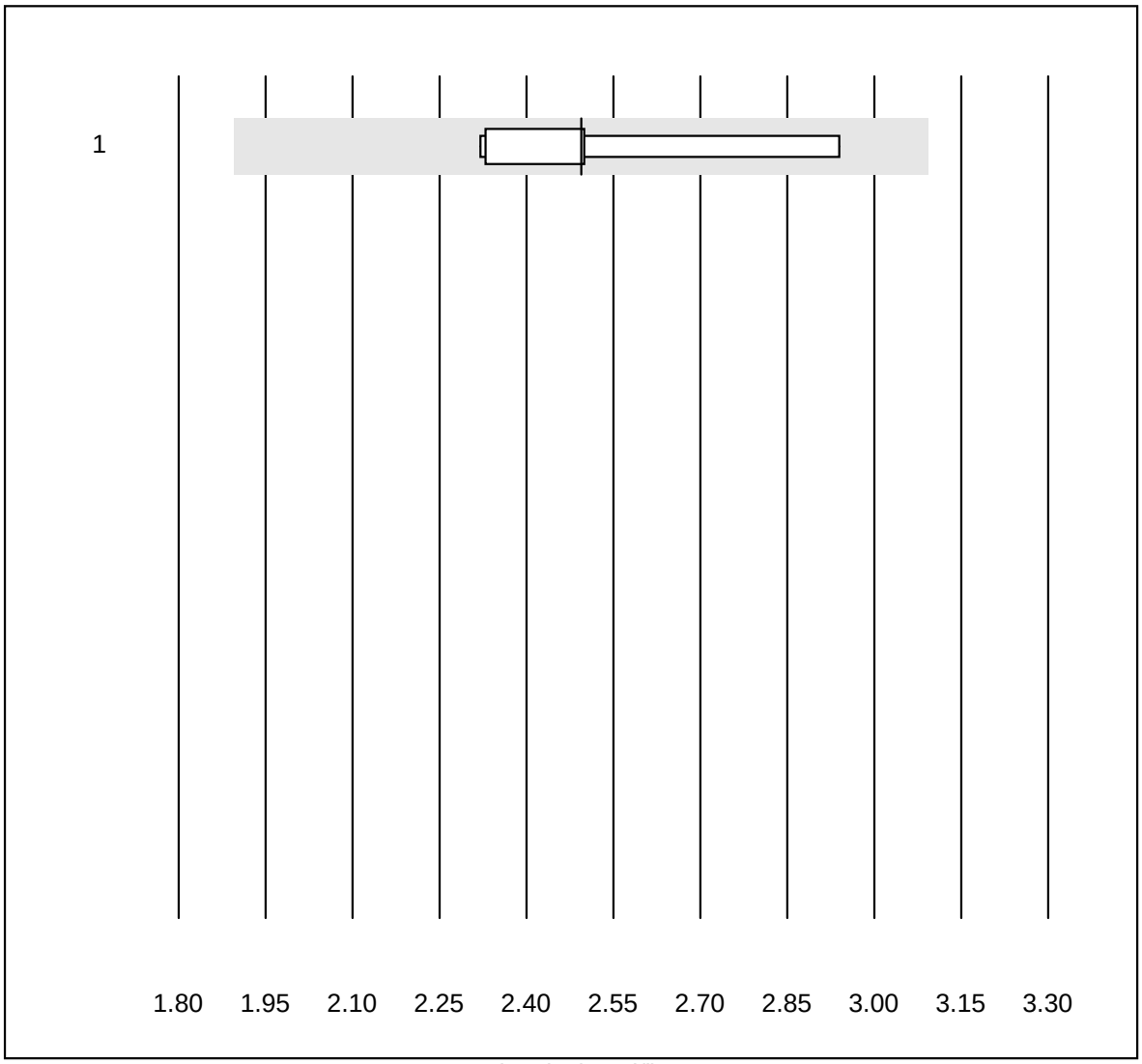
NT-proBNP DP



QUALAB tolerance : 27 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	DXpress Reader	43	67.4	9.3	23.3	2923	15.7

Digoxin

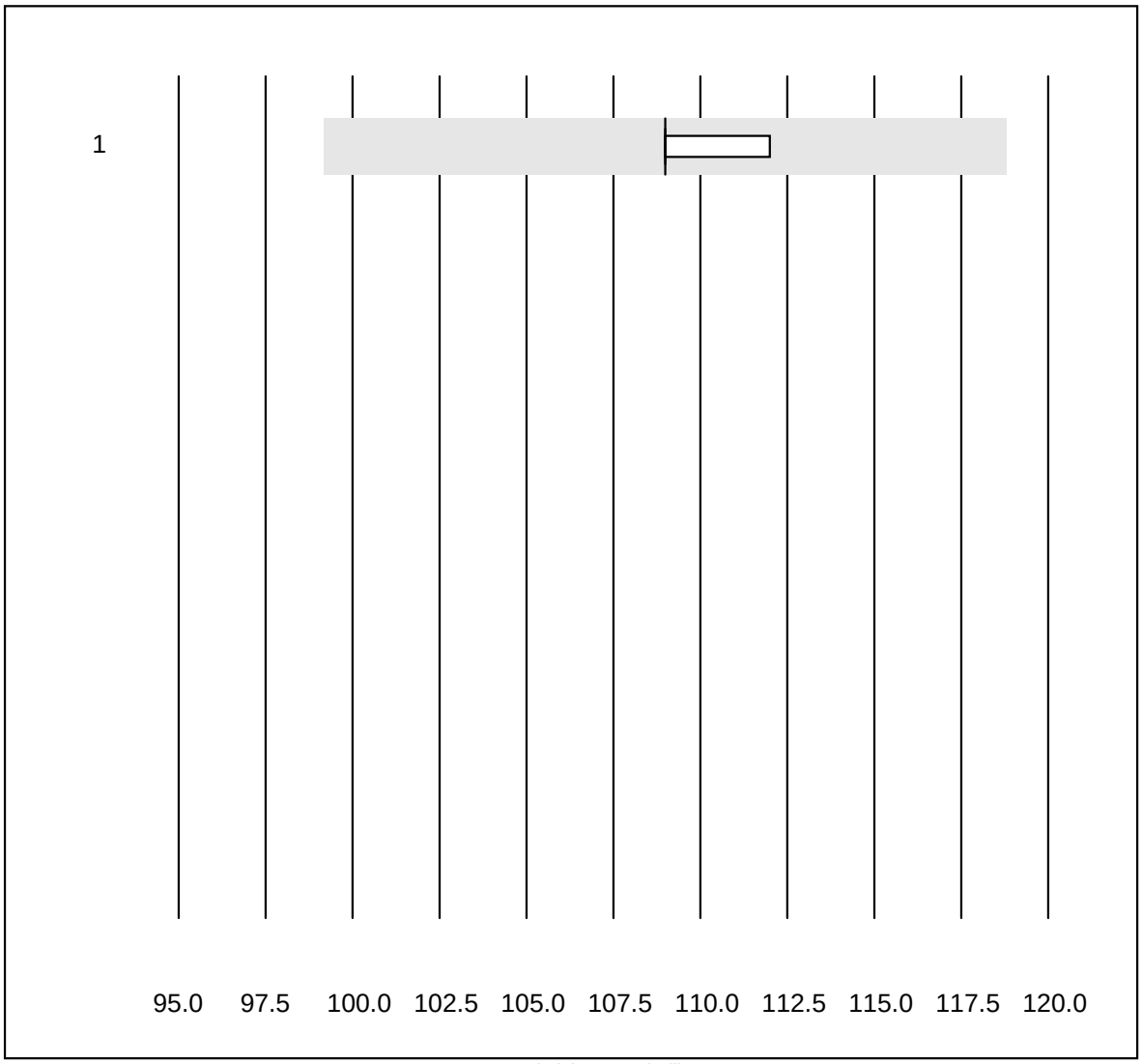


QUALAB tolerance : 24 %

Digoxin (nmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Other methods	8	100.0	0.0	0.0	2.50	7.8

Hemoglobin BG

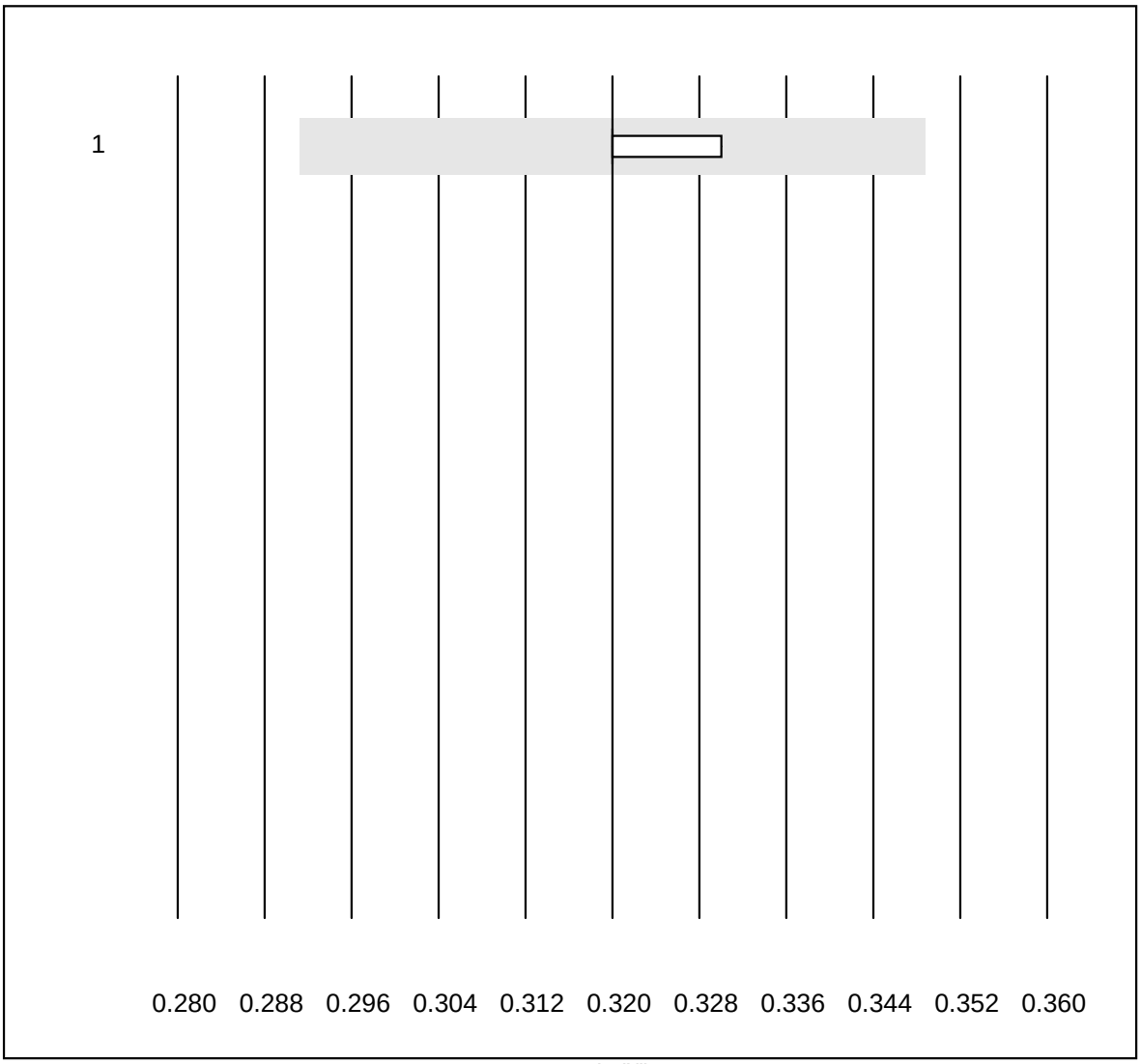


QUALAB tolerance : 9 %

Hemoglobin BG (g/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	iStat	4	100.0	0.0	0.0	109.0	1.4

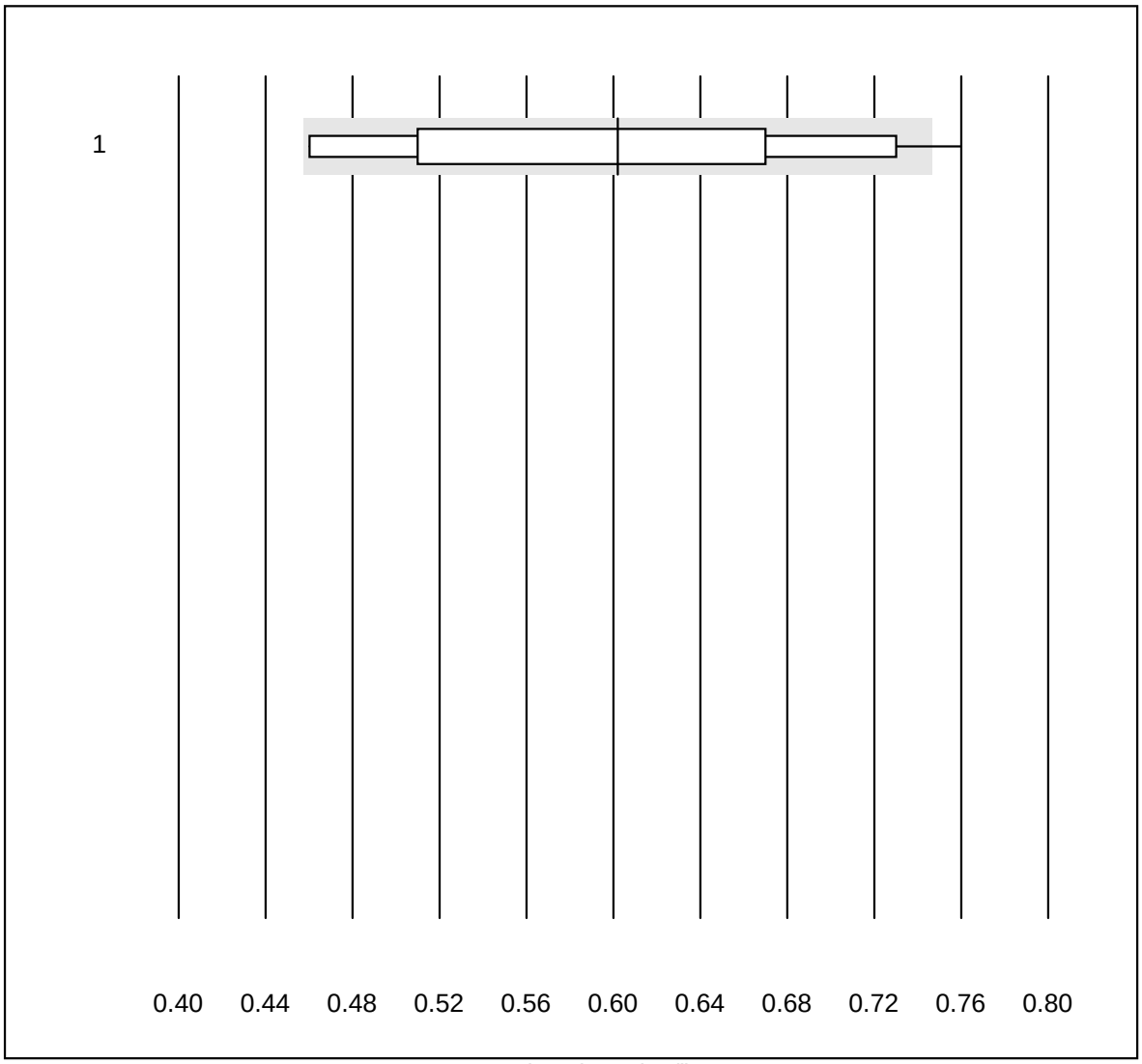
Hematocrit



QUALAB tolerance : 9 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	iStat	4	100.0	0.0	0.0	0.32	1.6

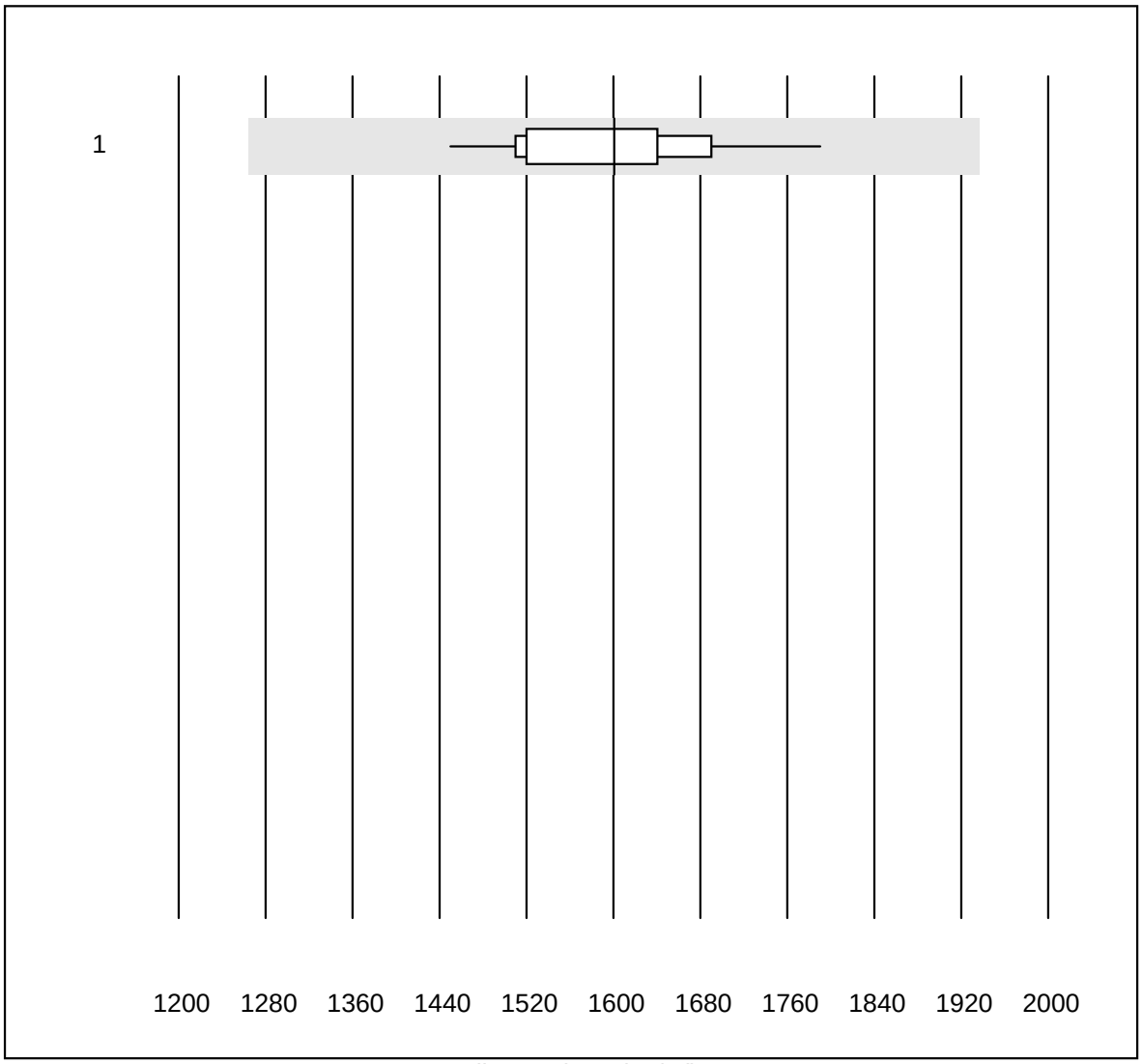
Troponin Triage



QUALAB tolerance : 24 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Triage Meter	18	50.0	5.6	44.4	0.6	16.9

D-dimer Triage

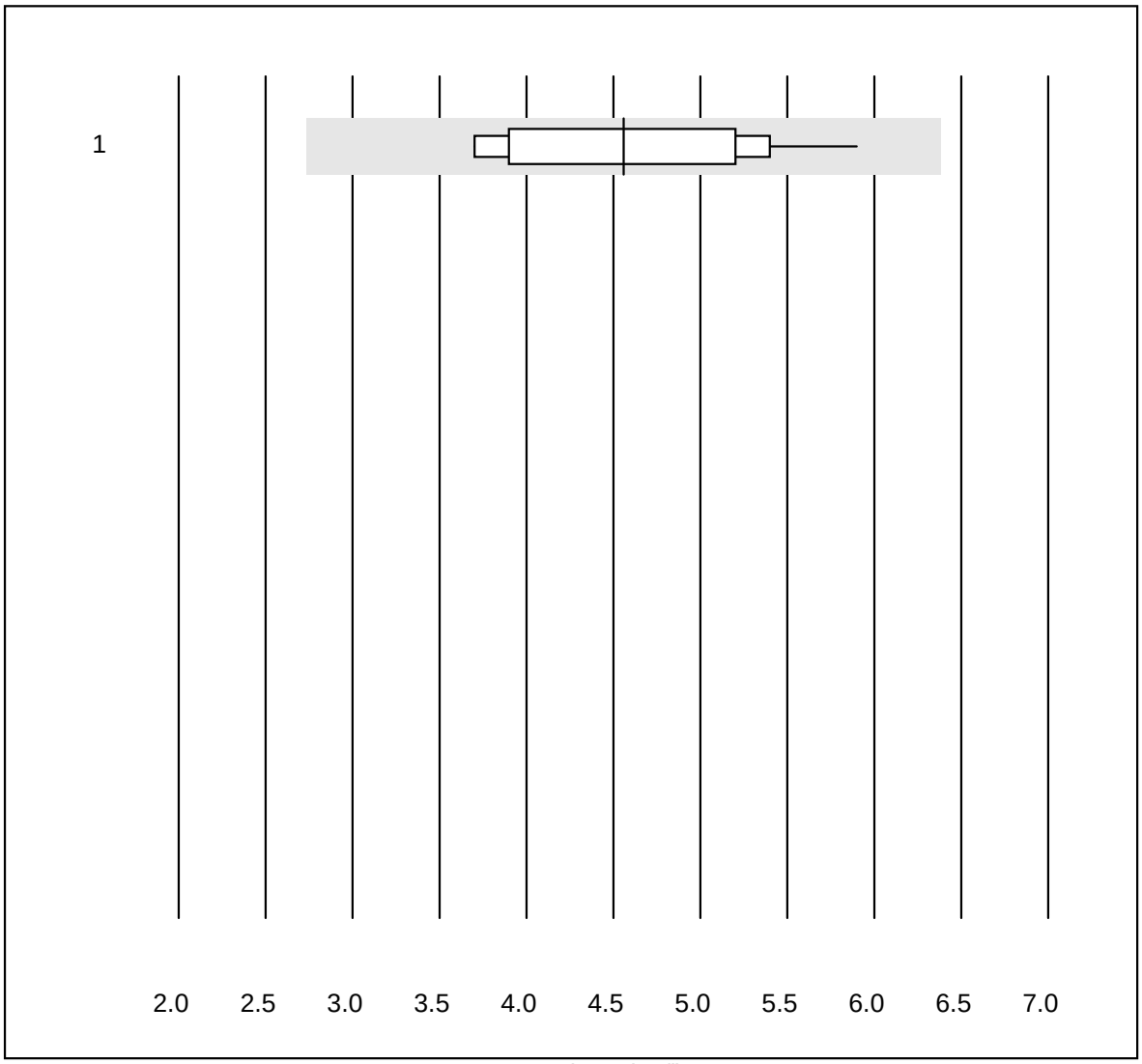


QUALAB tolerance : 21 %

D-dimer Triage (ng/ml)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Triage Meter	16	100.0	0.0	0.0	1600.94	5.1

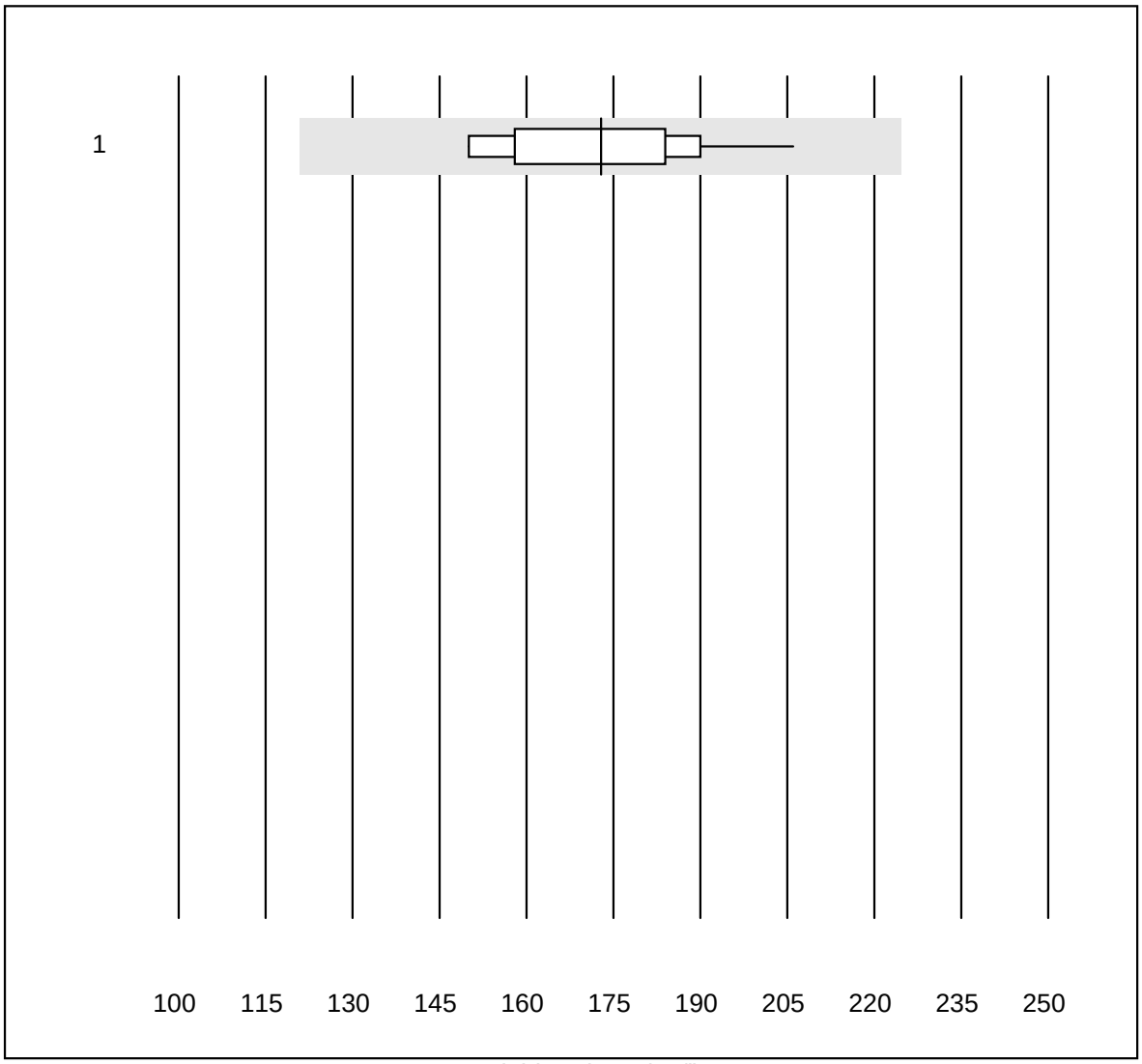
CK-MB Triage



QUALAB tolerance : 40 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Triage Meter	10	100.0	0.0	0.0	4.6	15.8

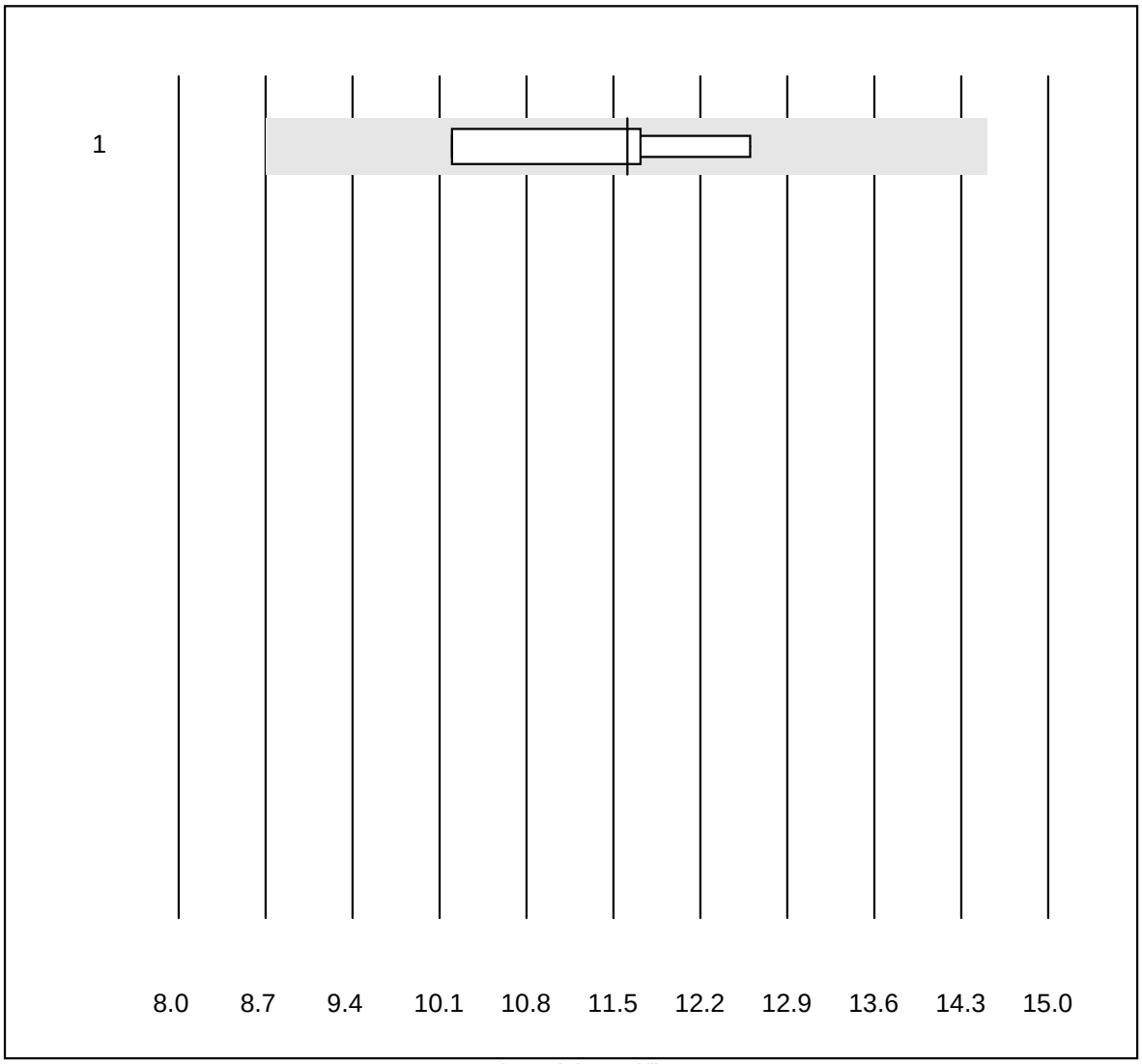
Myoglobin Triage



QUALAB tolerance : 30 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Triage Meter	10	100.0	0.0	0.0	172.8	10.0

Ethanol

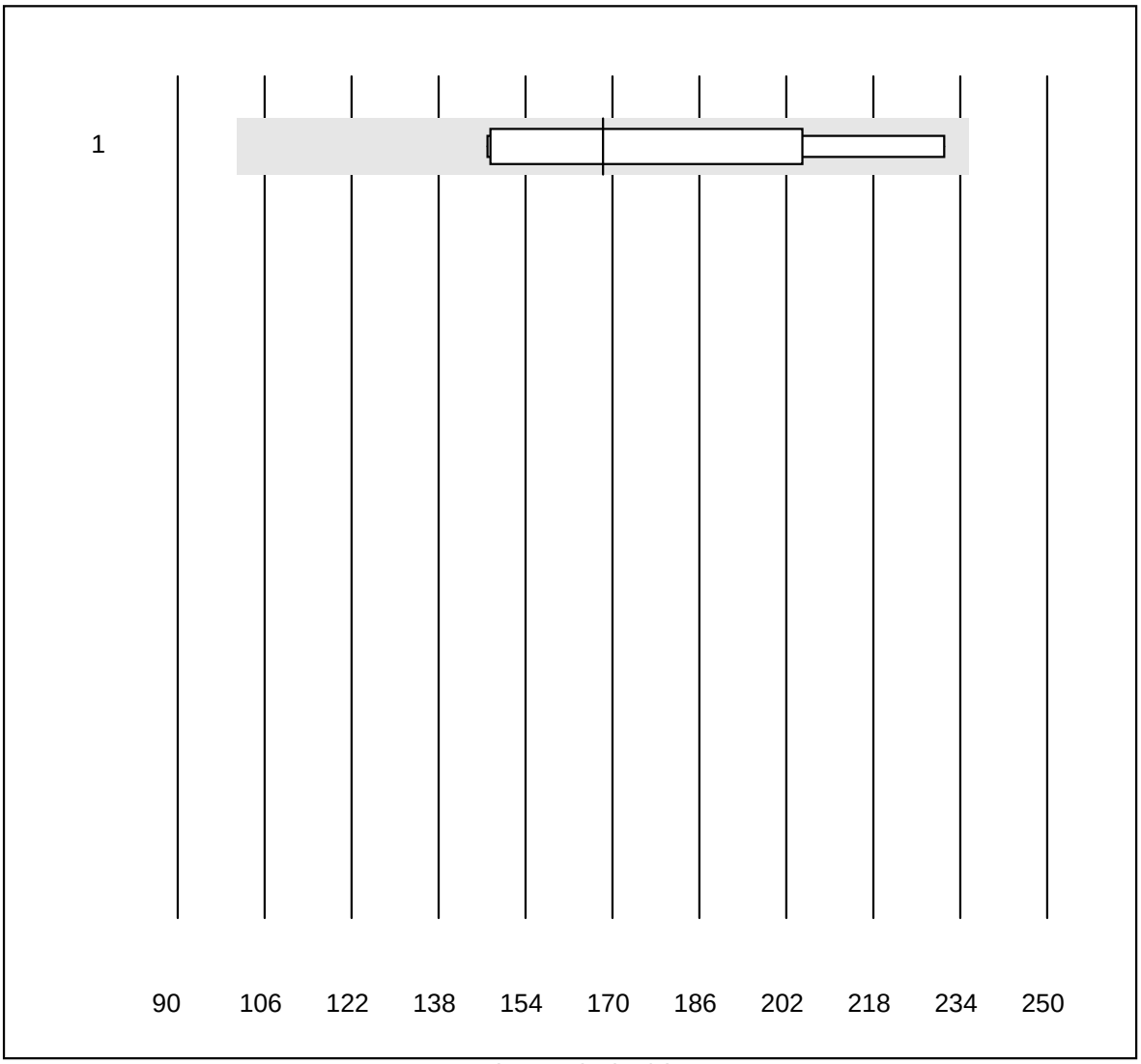


QUALAB tolerance : 25 %

Ethanol (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	all Participants	4	100.0	0.0	0.0	11.6	8.6

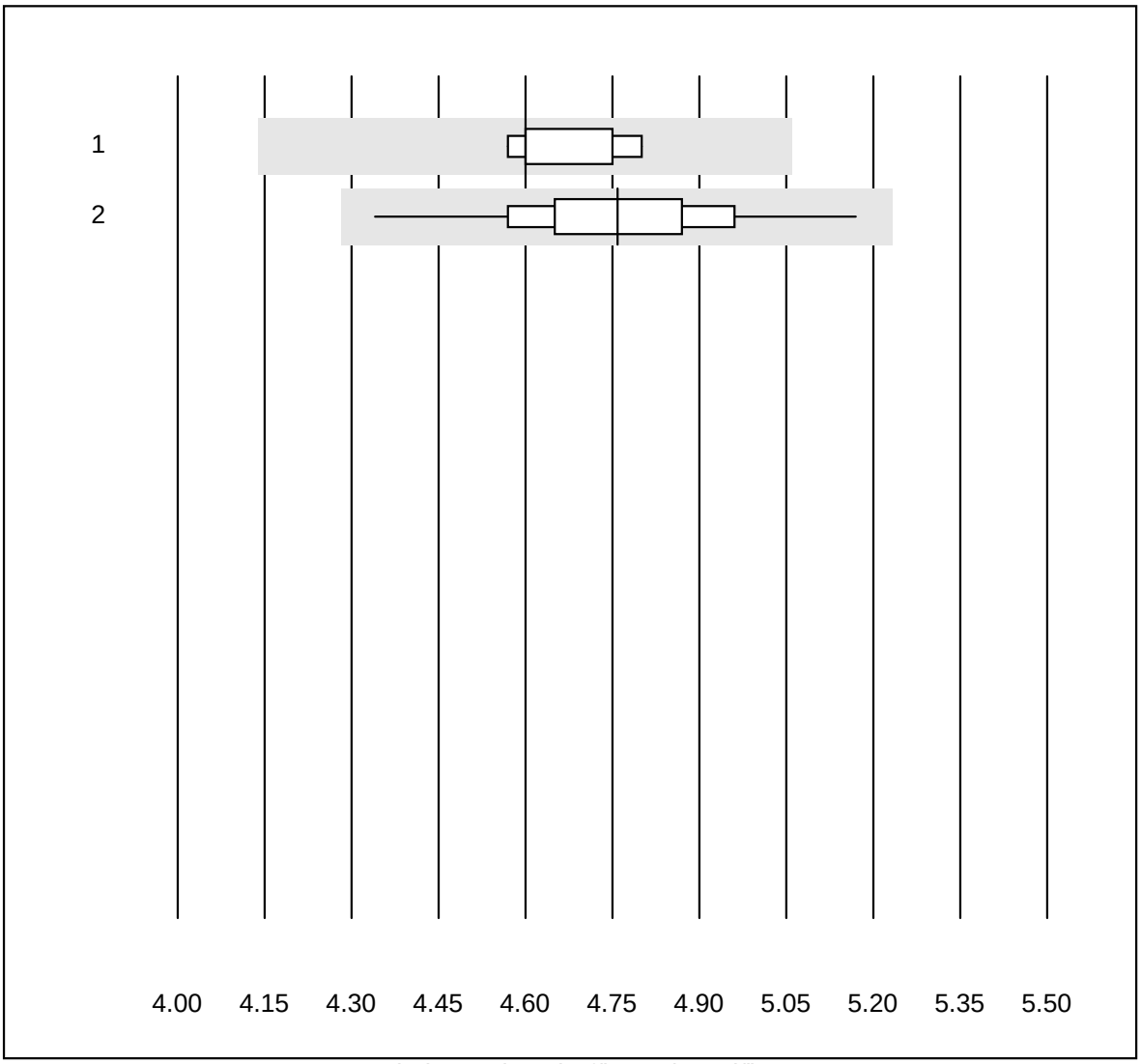
Calprotectin



QUALAB tolerance : 40 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Bühlmann	8	87.5	0.0	12.5	168	18.1

Cholesterol total Af/b101

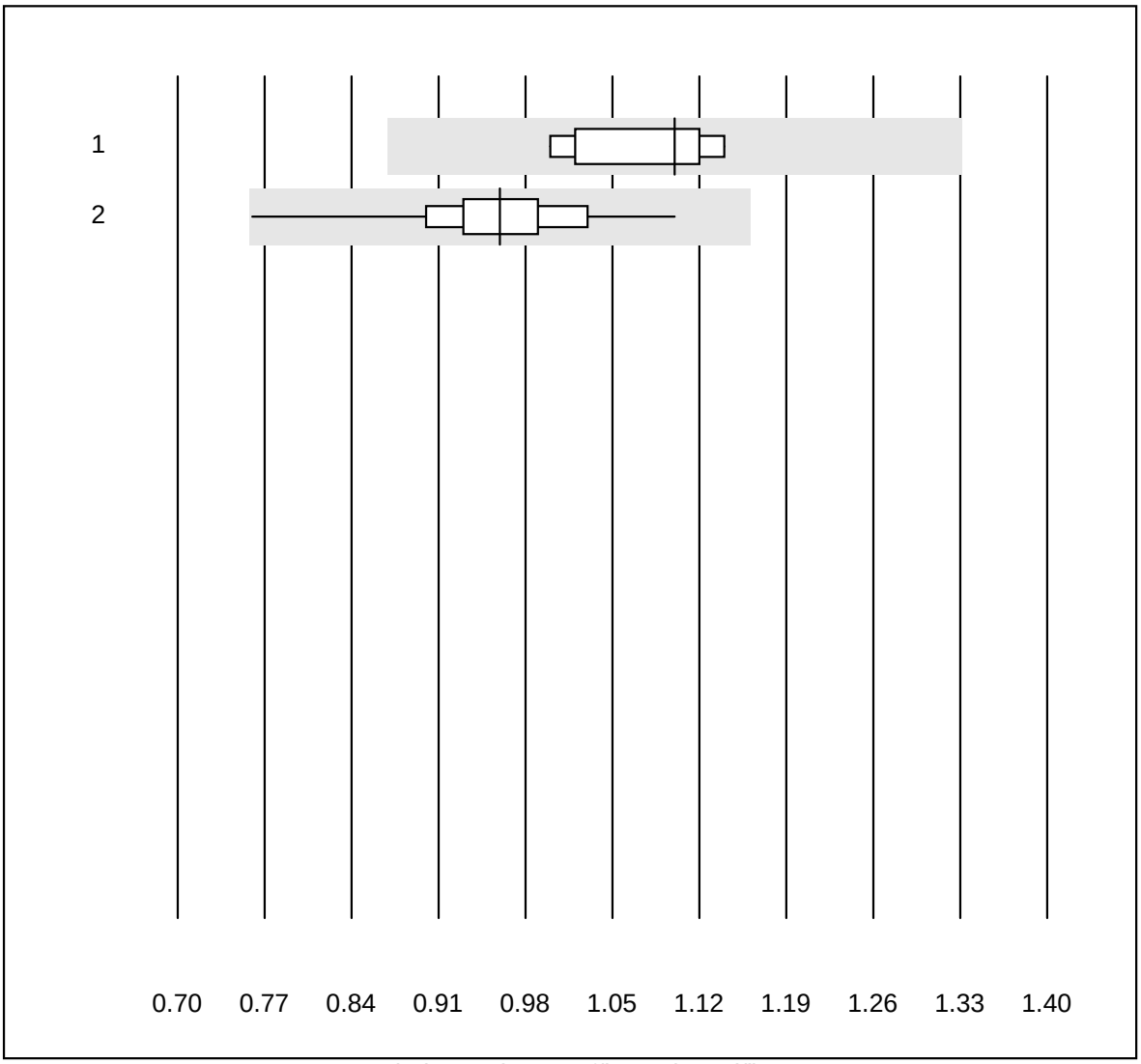


QUALAB tolerance : 10 %

Cholesterol total Af/b101 (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Cobas b101	5	100.0	0.0	0.0	4.6	2.2
2	Afinion	144	99.3	0.0	0.7	4.8	3.3

Cholesterol HDL Af/b101

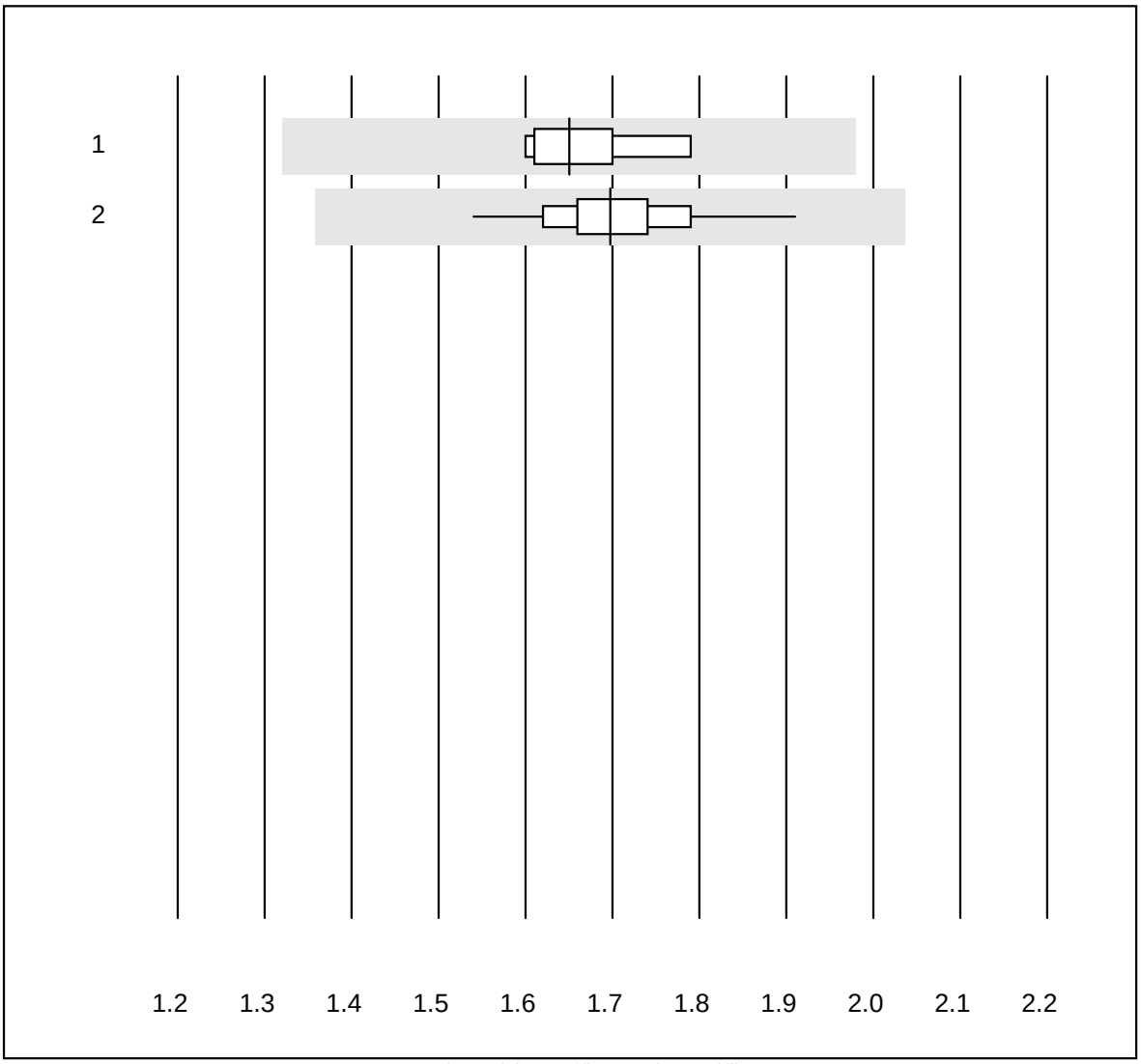


QUALAB tolerance : 21 %

Cholesterol HDL Af/b101 (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Cobas b101	5	100.0	0.0	0.0	1.1	5.8
2	Afinion	144	97.9	0.0	2.1	1.0	5.8

Tryglycerides Af/b101

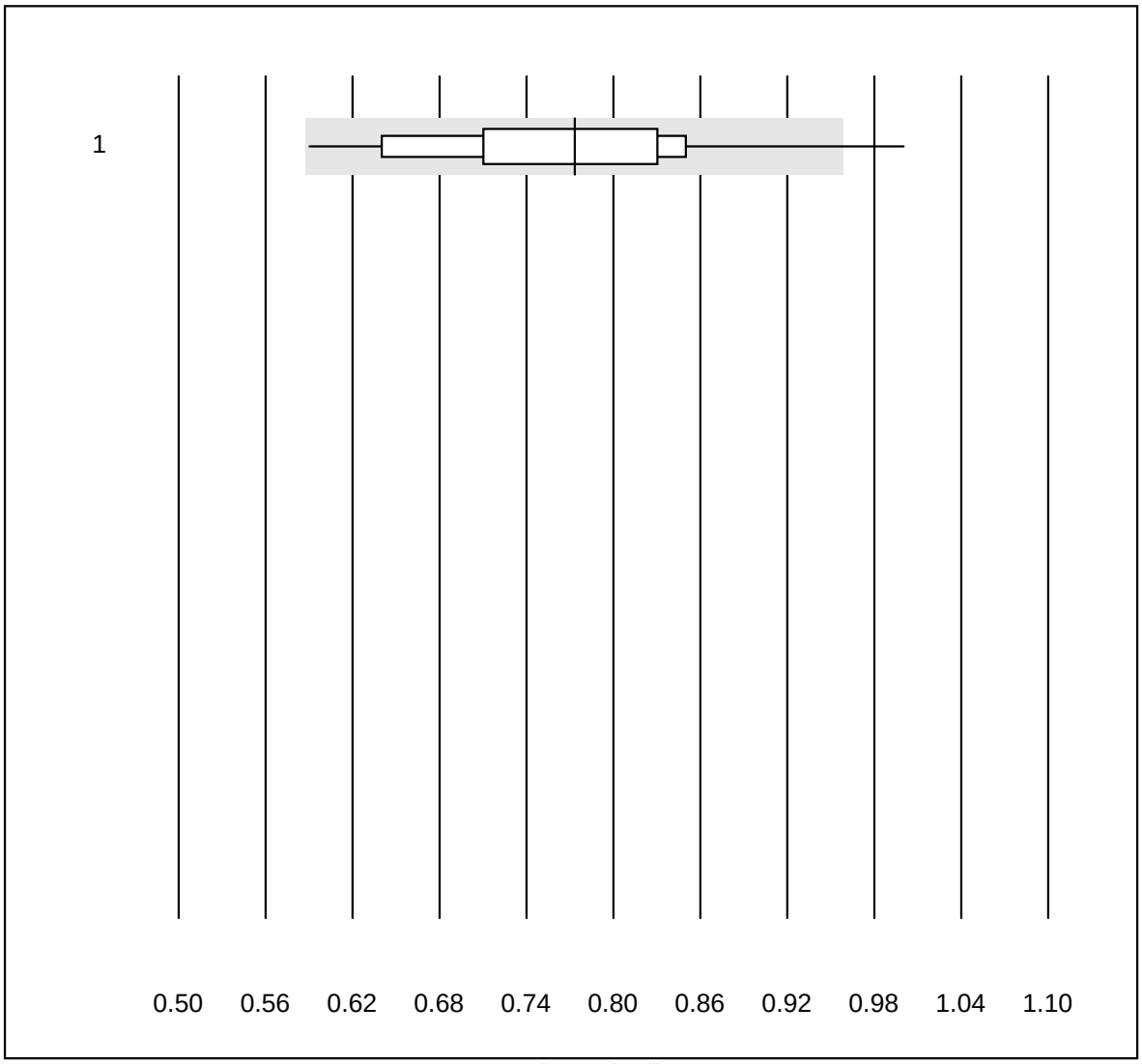


QUALAB tolerance : 20 %

Tryglycerides Af/b101 (mmol/l)

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Cobas b101	5	100.0	0.0	0.0	1.65	4.7
2	Afinion	143	100.0	0.0	0.0	1.70	3.9

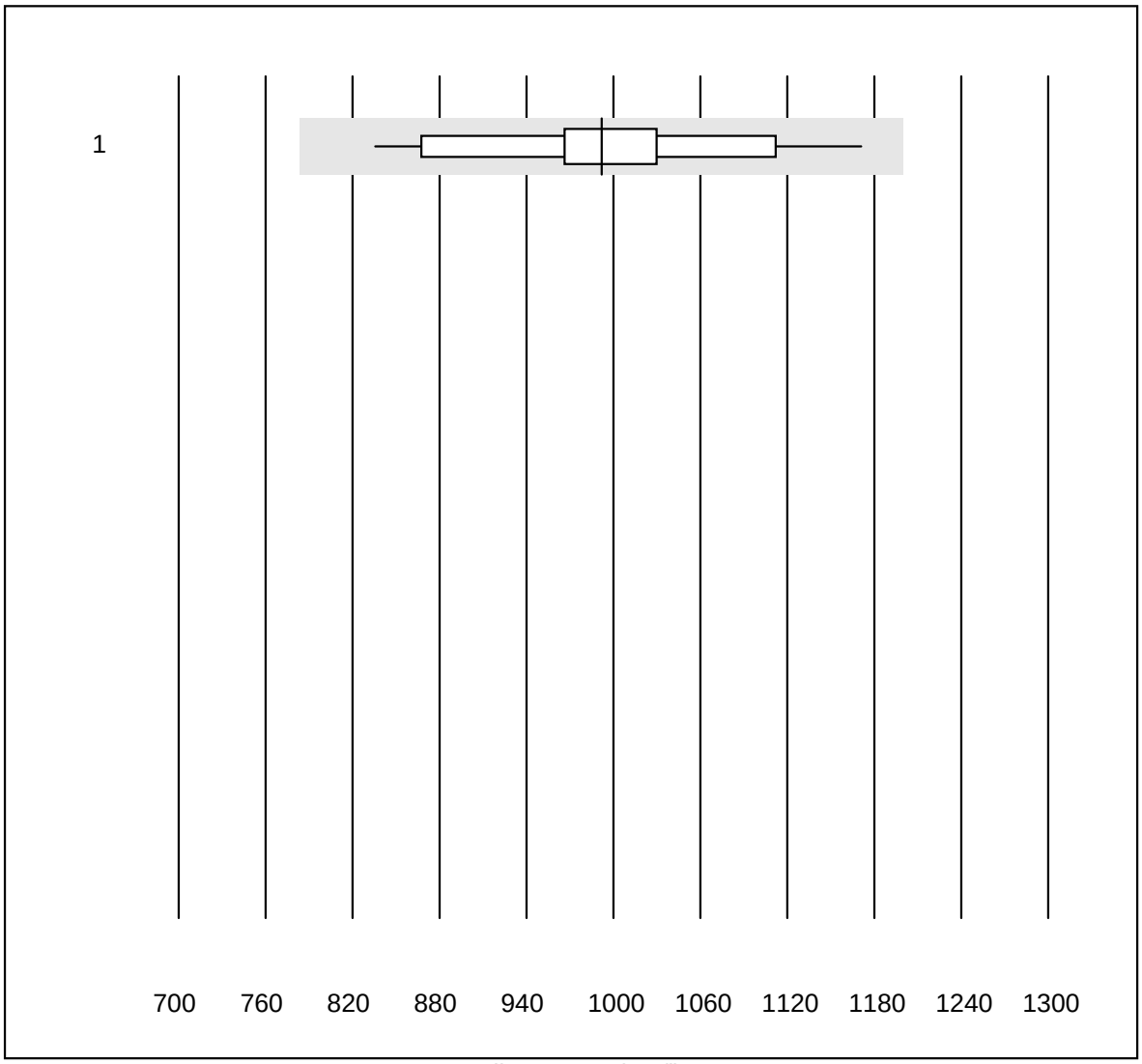
Tropnin I S



QUALAB tolerance : 24 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Samsung LABGEO IB10	21	95.2	4.8	0.0	0.77	13.5

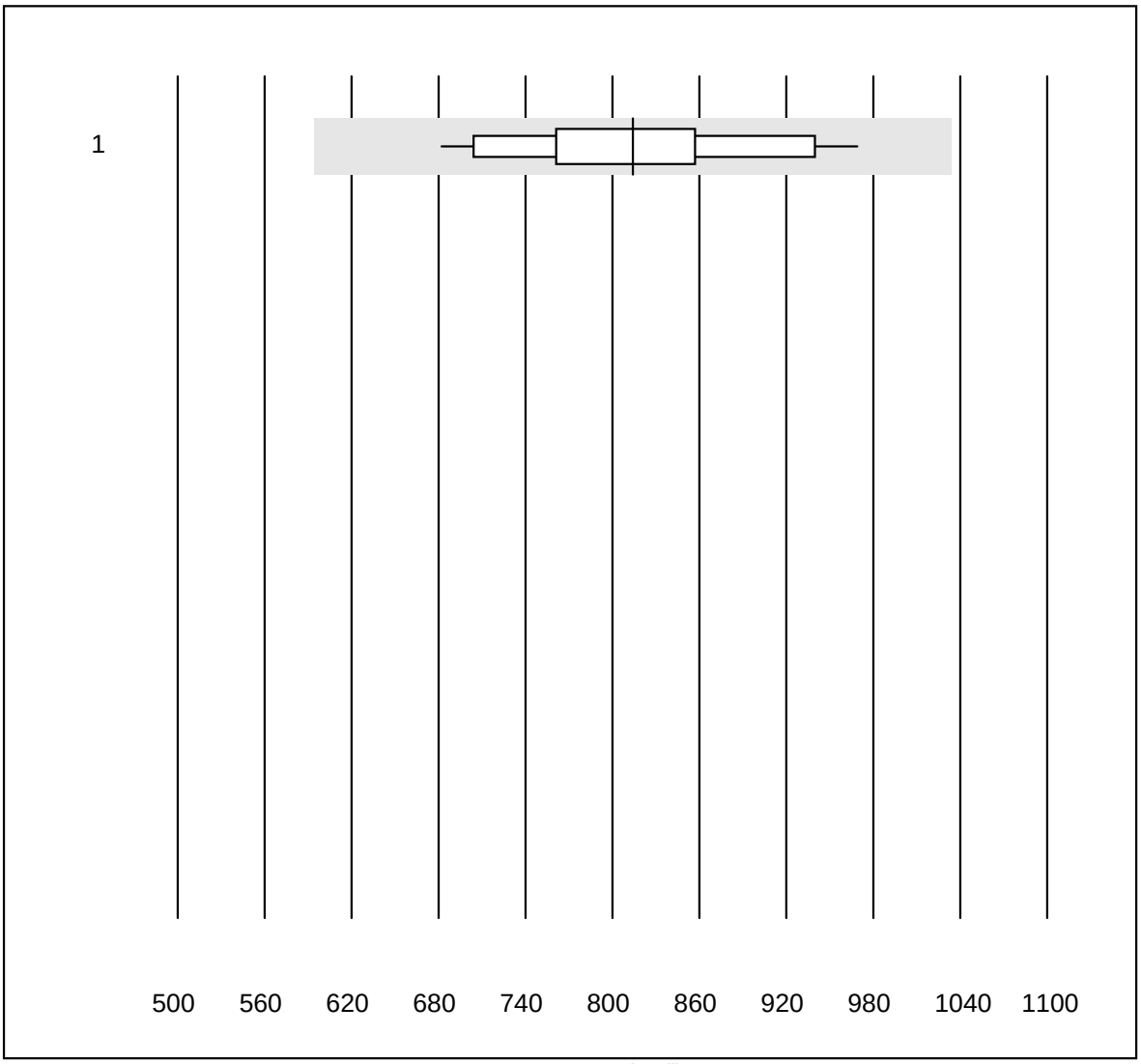
D-dimer qn S



QUALAB tolerance : 21 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Samsung LABGEO IB10	25	100.0	0.0	0.0	991.73	8.3

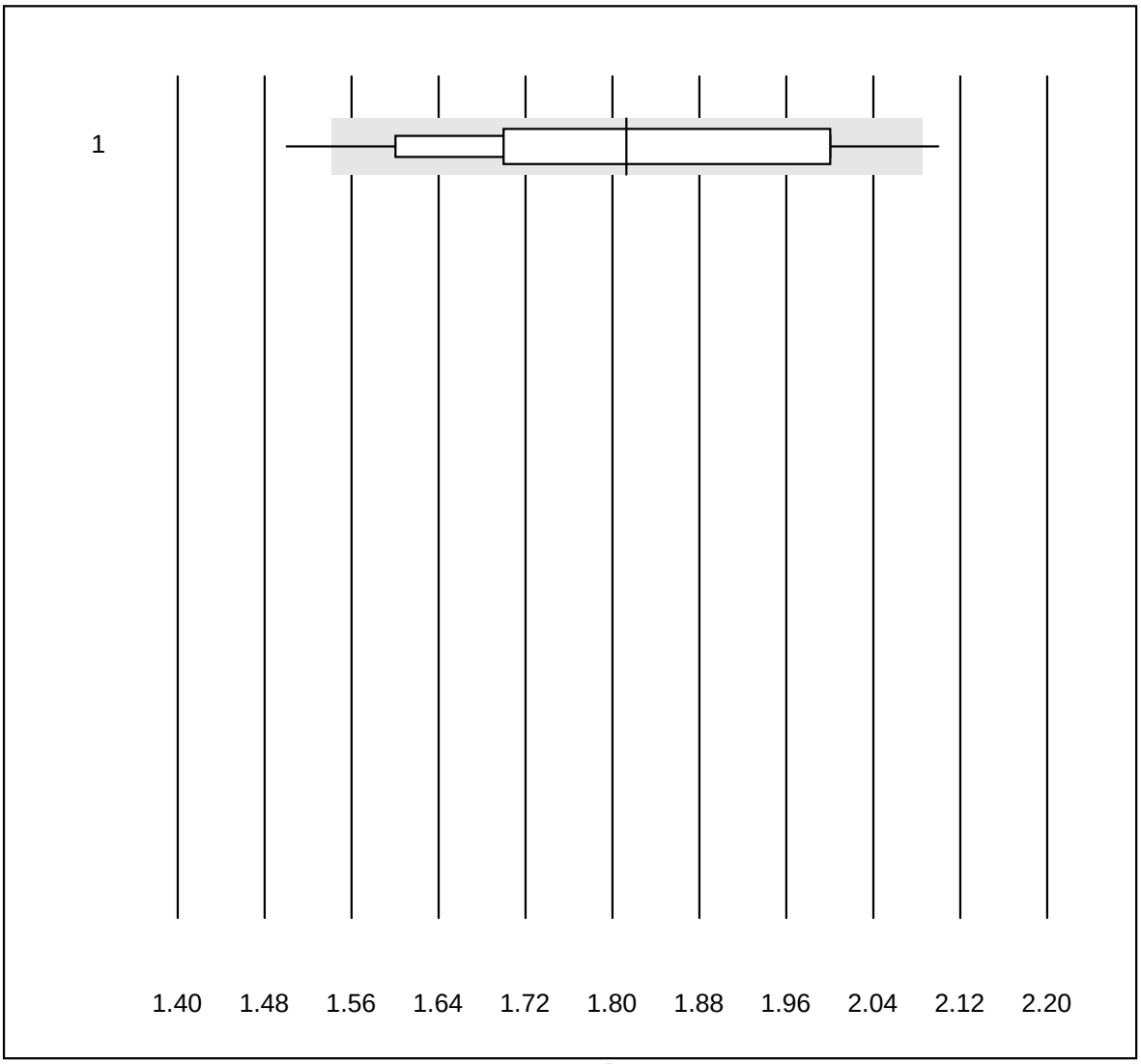
NT-pro BNP S



QUALAB tolerance : 27 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Samsung LABGEO IB10	17	100.0	0.0	0.0	814.3	9.6

NR MI

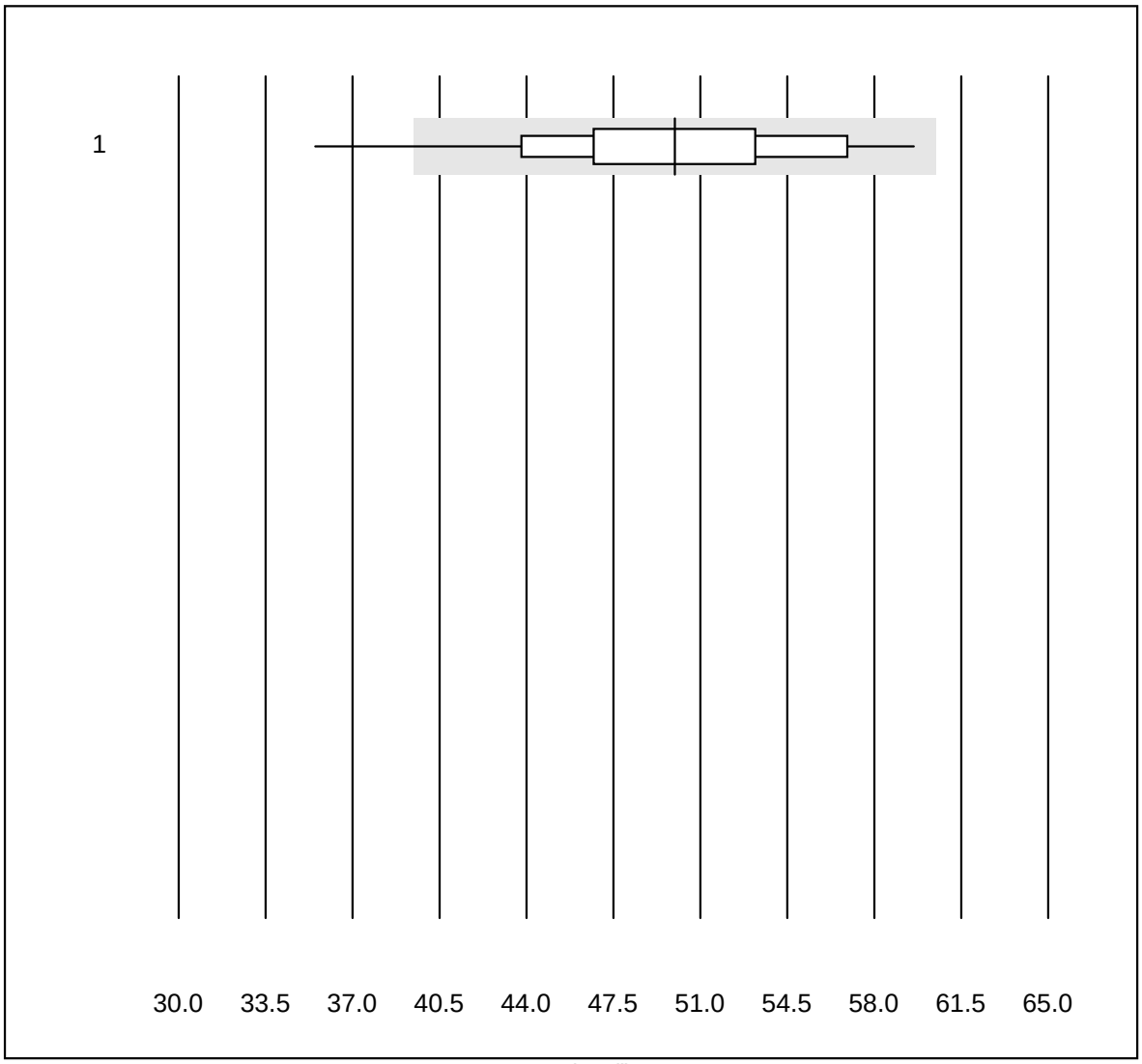


QUALAB tolerance : 15 %

NR MI ()

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	microINR	32	65.6	9.4	25.0	1.8	9.6

CRP



QUALAB tolerance : 21 %

No.	Methode	Total	% good	% insuff.	% outlier	target value	CV%
1	Microsemi	47	95.7	4.3	0.0	50.0	10.1