

Survey Report

2026-3

Survey Specimens

The homogeneity and stability of all specimens were checked before and/or during shipment and no irregularities were noted. The suitability tests were performed by the laboratories of the Universitätsspital Zürich (University Hospital Zurich) (<http://www.uzl.usz.ch/>). The following survey specimens were produced specifically for MQ by a sub-contractor:
B2 Uricult, H4 Parasitic Hematology, K14 tumor marker

Determination of target values

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

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

For methods groups with more than 9 participants, consensus values of the participants ("e") are generally determined. In order to calculate the target values, we use the mean value of the method group. Values that differ more than 1.5 times the QUALAB-tolerance are outliers and are not used to calculate the target value. Starting point for the elimination of outliers are the values of our suitability tests. In order to provide all participants with target values that are as meaningful as possible, other methods may also be applied for smaller method groups.

Uncertainty of the determined target values

The standard uncertainty (ux) 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.

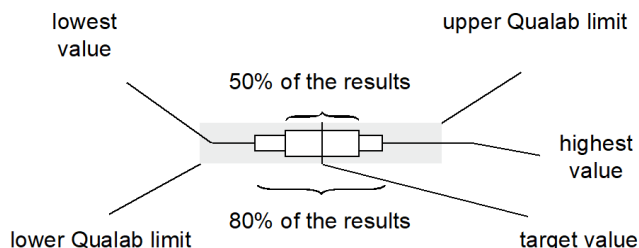
QUALAB and MQ tolerances

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:

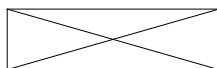


Comparison of Devices

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

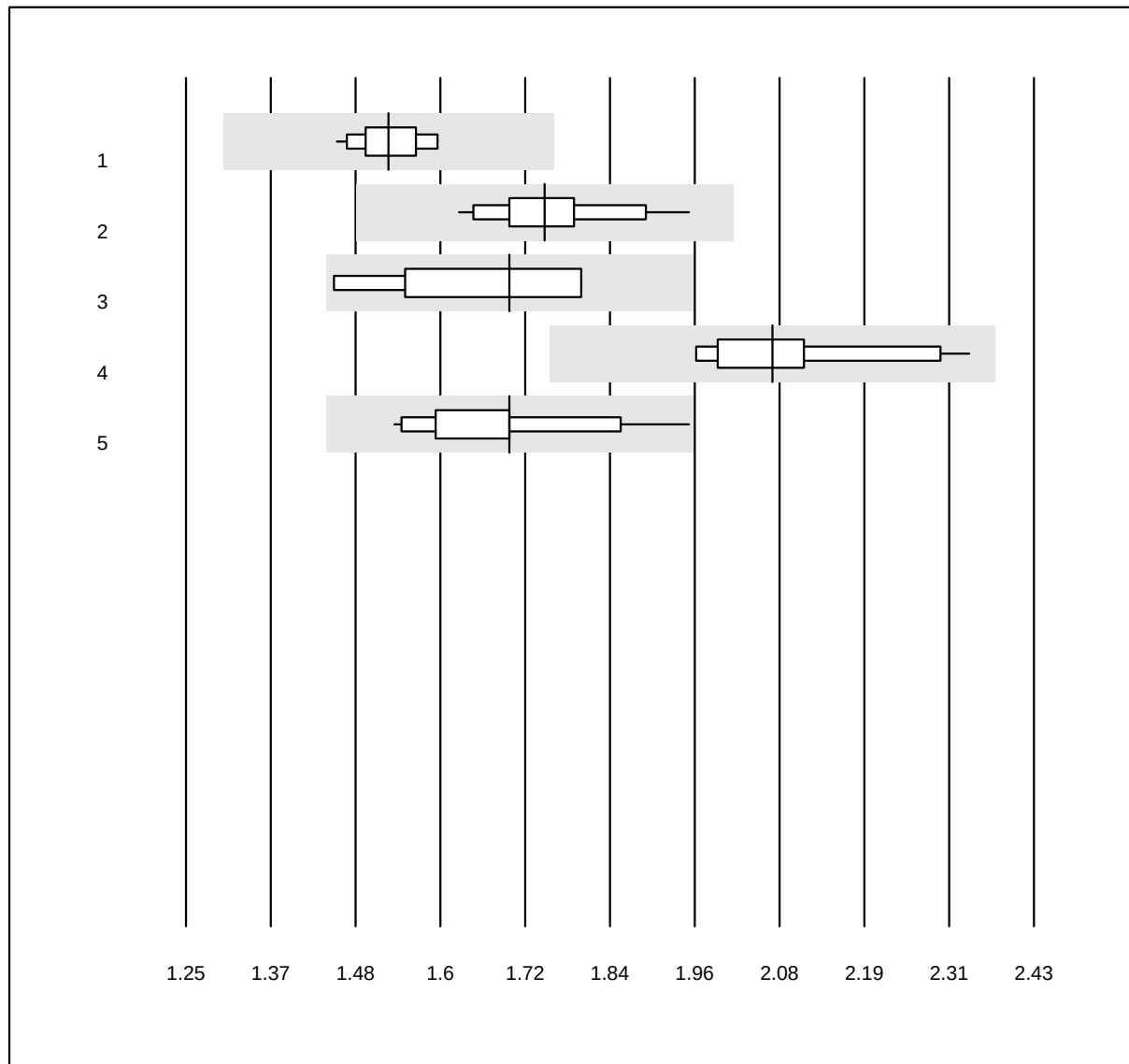
- The chemical control K1 is a ready-to-use commercial control serum. Even if the specimen is of human origin, it is possible that matrix effects occur. These are device-specific and result in different target values.
- Only one specimen was measured. Since the scatter of the results is dependent on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

Zurich, 28.09.2026



Dr. R.Fried
Survey Director

INR VKA



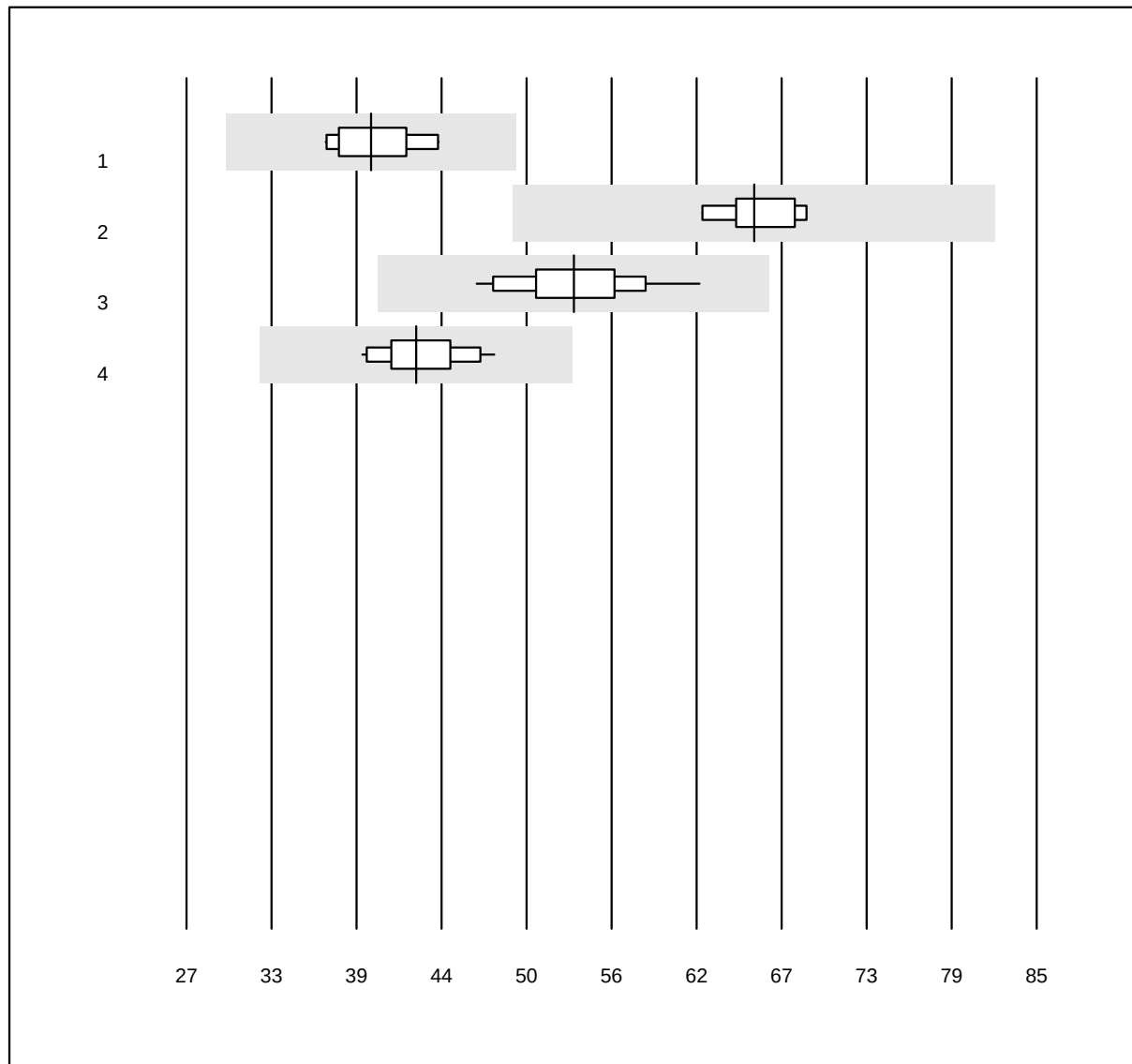
QUALAB Toleranz: 15%

INR VKA (INR)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Innovin	23	100.0	0.0	0.0	1.53	3.0	e
2 Neoplastin R	13	100.0	0.0	0.0	1.75	4.4	e
3 Neoplastin CL Plus	5	100.0	0.0	0.0	1.70	7.7	e*
4 NeoPTimal	17	100.0	0.0	0.0	2.07	5.4	e
5 Recombiplastin 2G	14	100.0	0.0	0.0	1.70	6.0	a

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

Activated Prothrombin Time

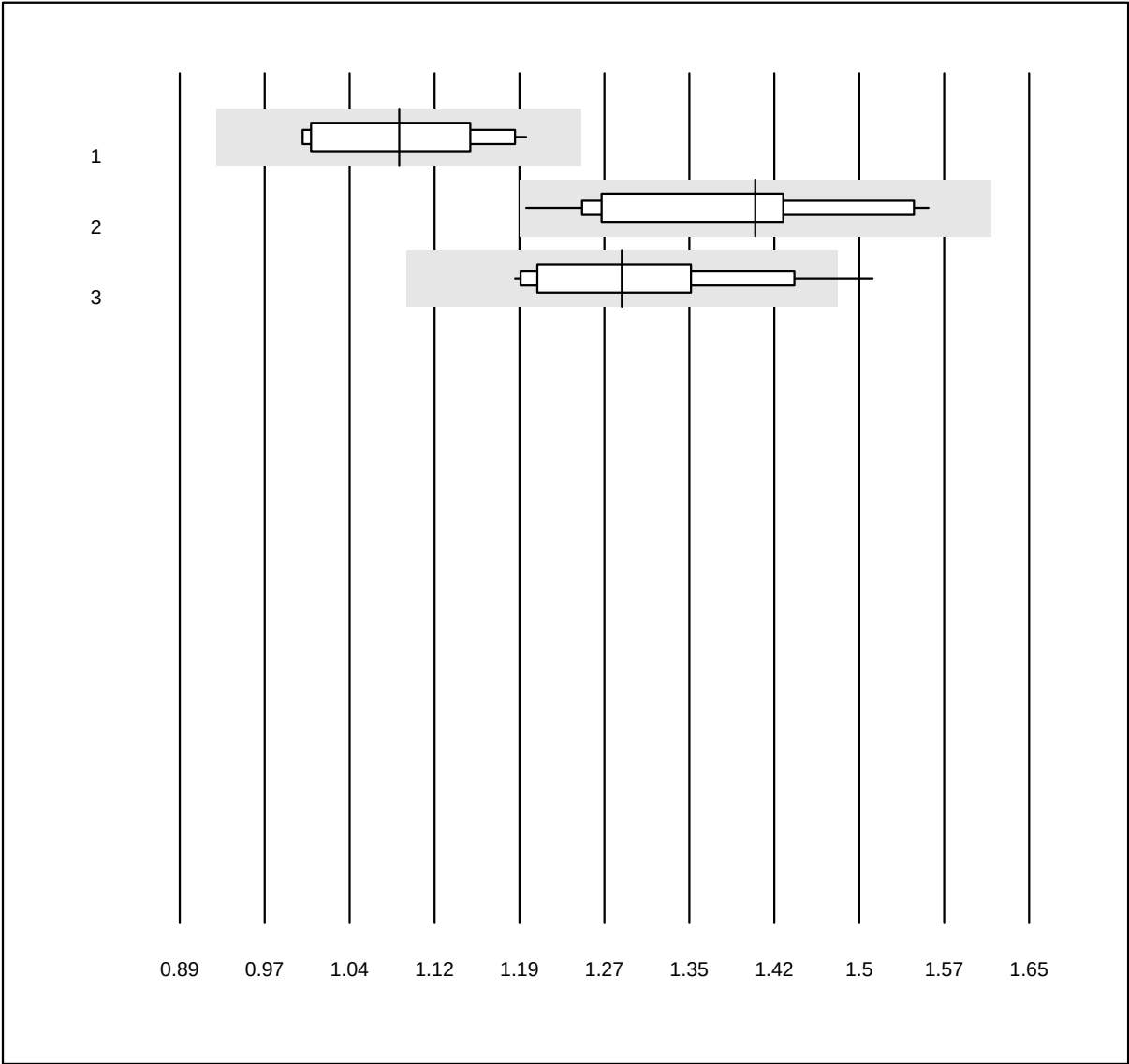


QUALAB Toleranz: 25%

Activated Prothrombin Time
(Sek)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Actin FS	11	100.0	0.0	0.0	39.6	7.1	e
2 Pathromtin SL	9	100.0	0.0	0.0	65.7	3.6	e
3 Stago/STA	25	100.0	0.0	0.0	53.4	6.9	e
4 aPTT-SP	14	100.0	0.0	0.0	42.7	6.0	e

Fibrinogen OA



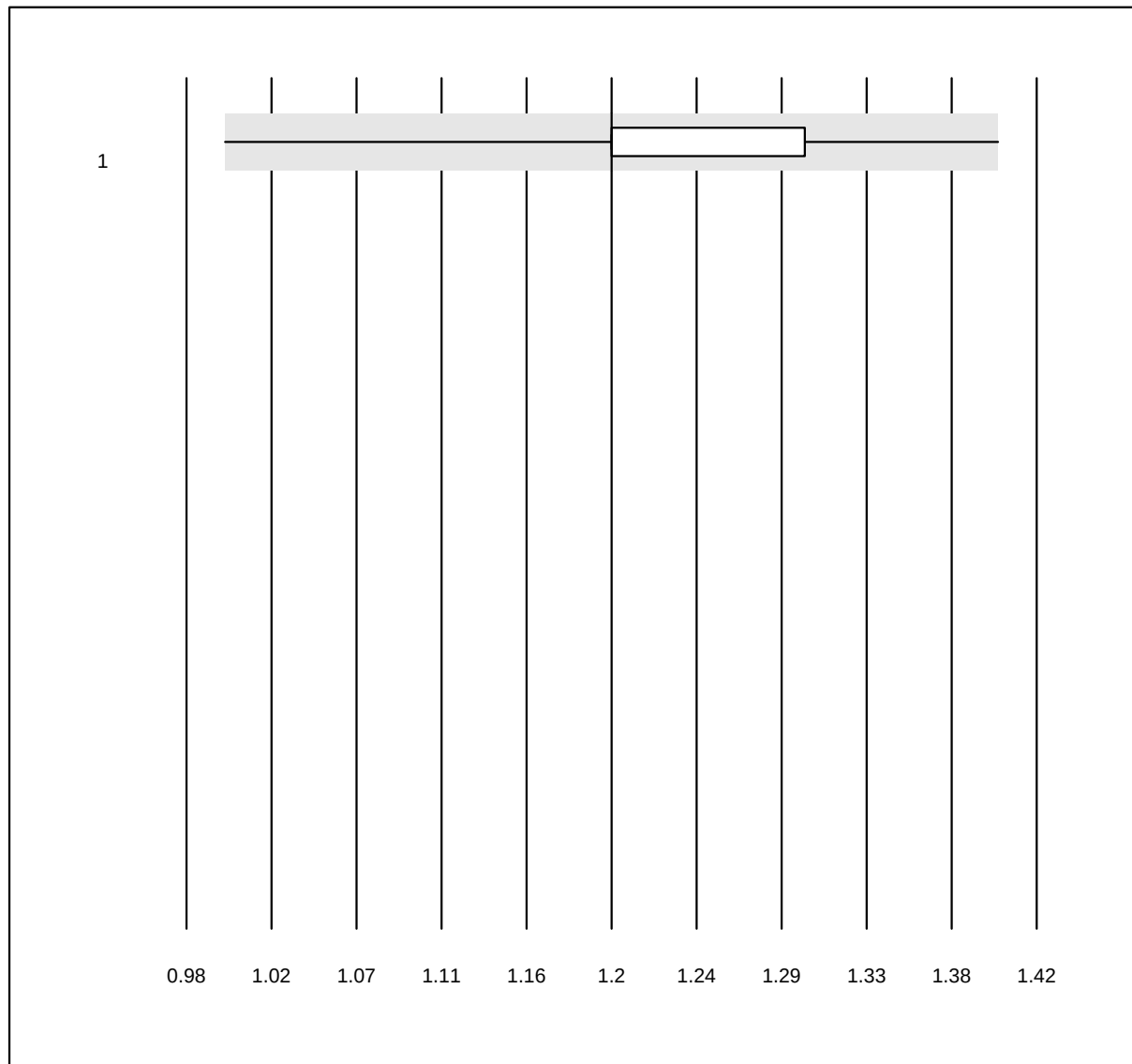
QUALAB Toleranz: 15%

Fibrinogen OA (g/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Siemens Thrombin	14	100.0	0.0	0.0	1.09	6.3	e
2	Stago/STA	21	95.2	0.0	4.8	1.41	7.7	a
3	HemosIL	14	92.9	7.1	0.0	1.29	6.9	e*

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

INR CoaguChek

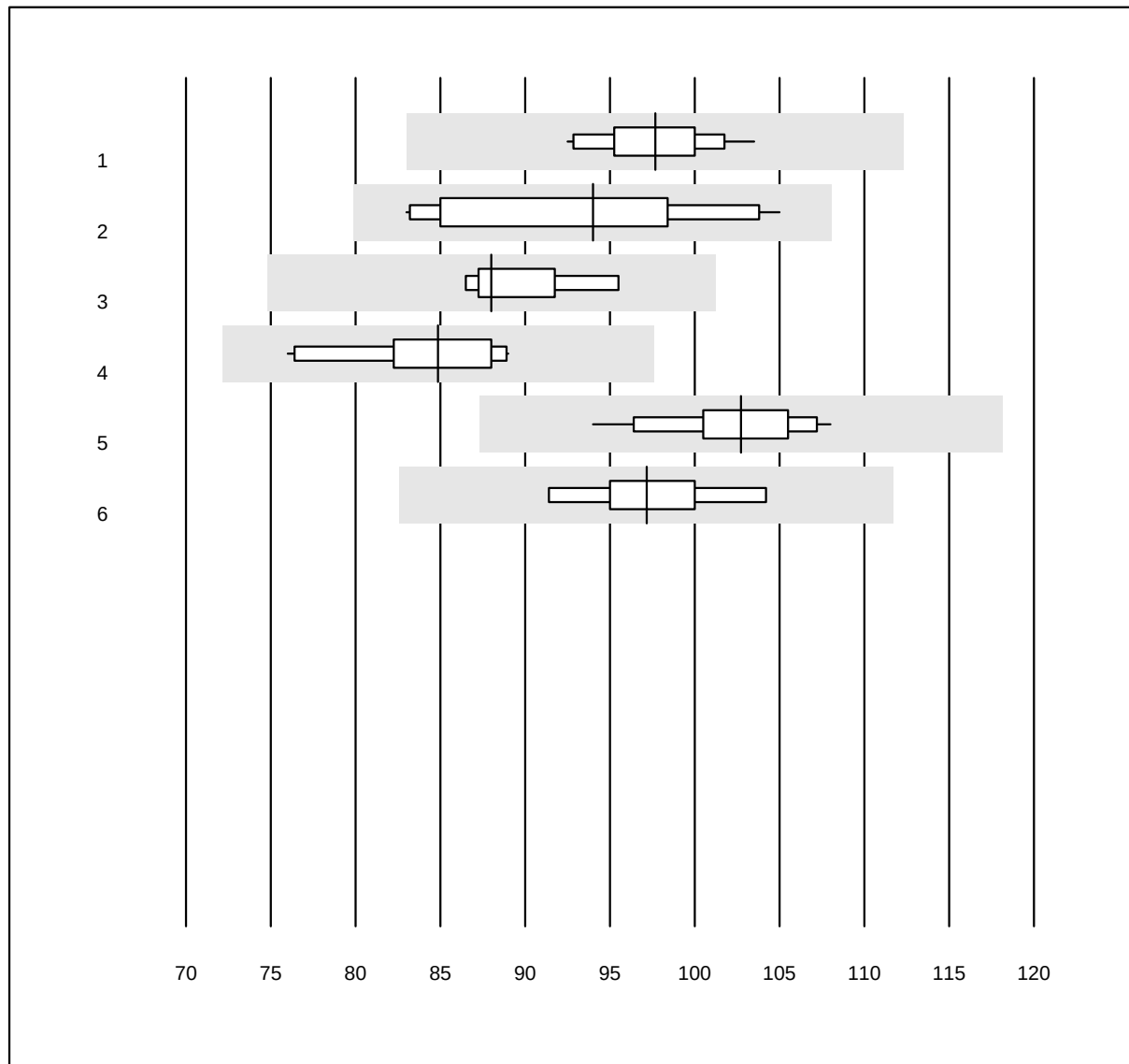


QUALAB Toleranz: 15%
(< 1.3: +/- 0.2 INR)

INR CoaguChek (INR)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 CoaguChek Pro II	1063	99.2	0.0	0.8	1.2	4.1	e

Prothrombin time NT

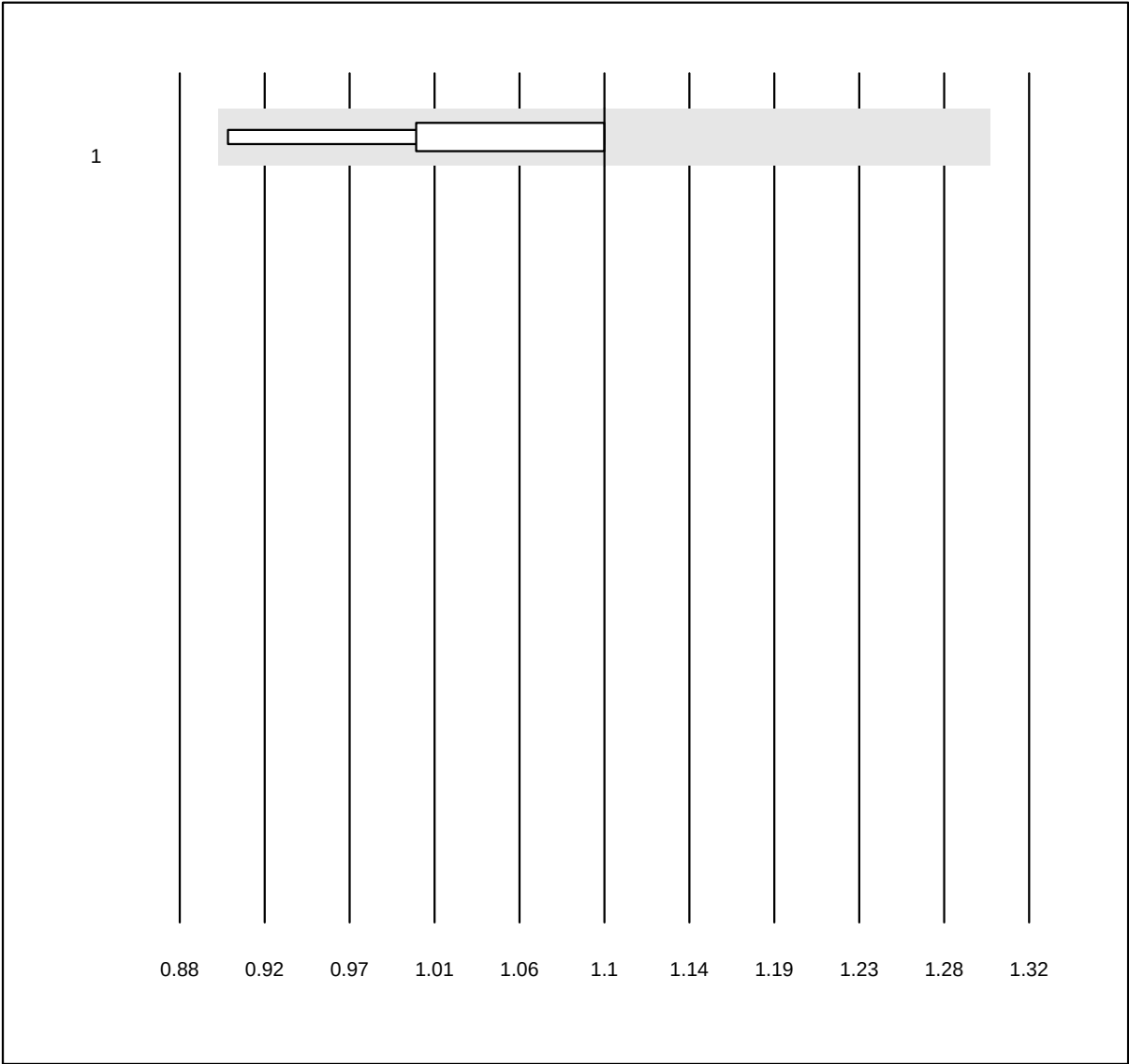


QUALAB Toleranz: 15%

Prothrombin time NT (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Innovin	16	100.0	0.0	0.0	97.7	3.2	e
2 Neoplastin R	11	100.0	0.0	0.0	94.0	8.2	a*
3 Neoplastin CL Plus	4	100.0	0.0	0.0	88.0	3.0	e
4 NeoPTimal	10	100.0	0.0	0.0	84.9	5.0	e
5 Recombiplastin 2G	13	100.0	0.0	0.0	102.7	3.6	e
6 Other methods	7	100.0	0.0	0.0	97.2	3.9	e

INR N

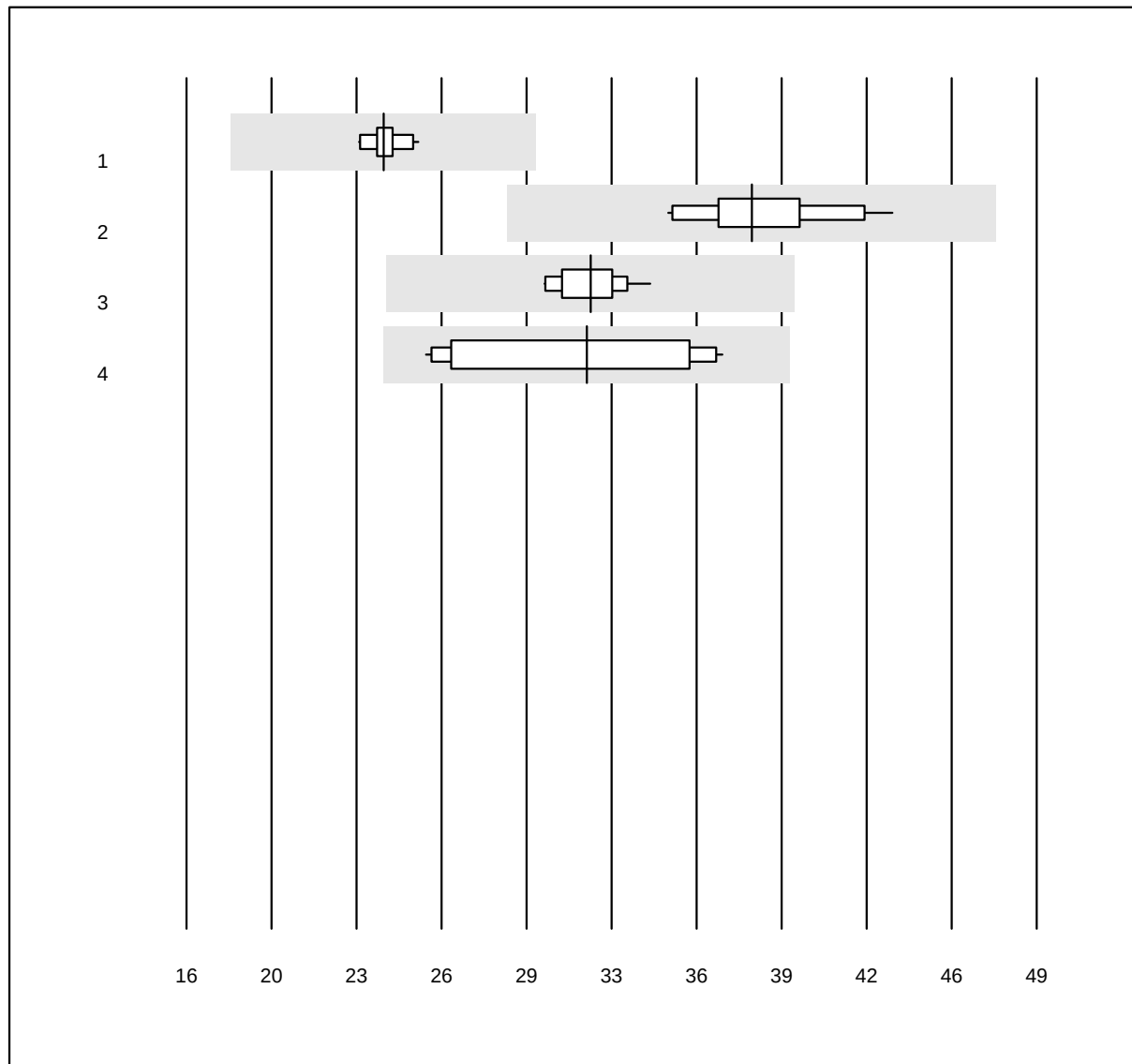


QUALAB Toleranz: 15%
(< 1.3: +/- 0.2 INR)

INR N (INR)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Neoplastin R	4	100.0	0.0	0.0	1.10	6.1	e*
3 additional results were submitted but not published because the method groups were too small. (< results per group)							

aPTT N

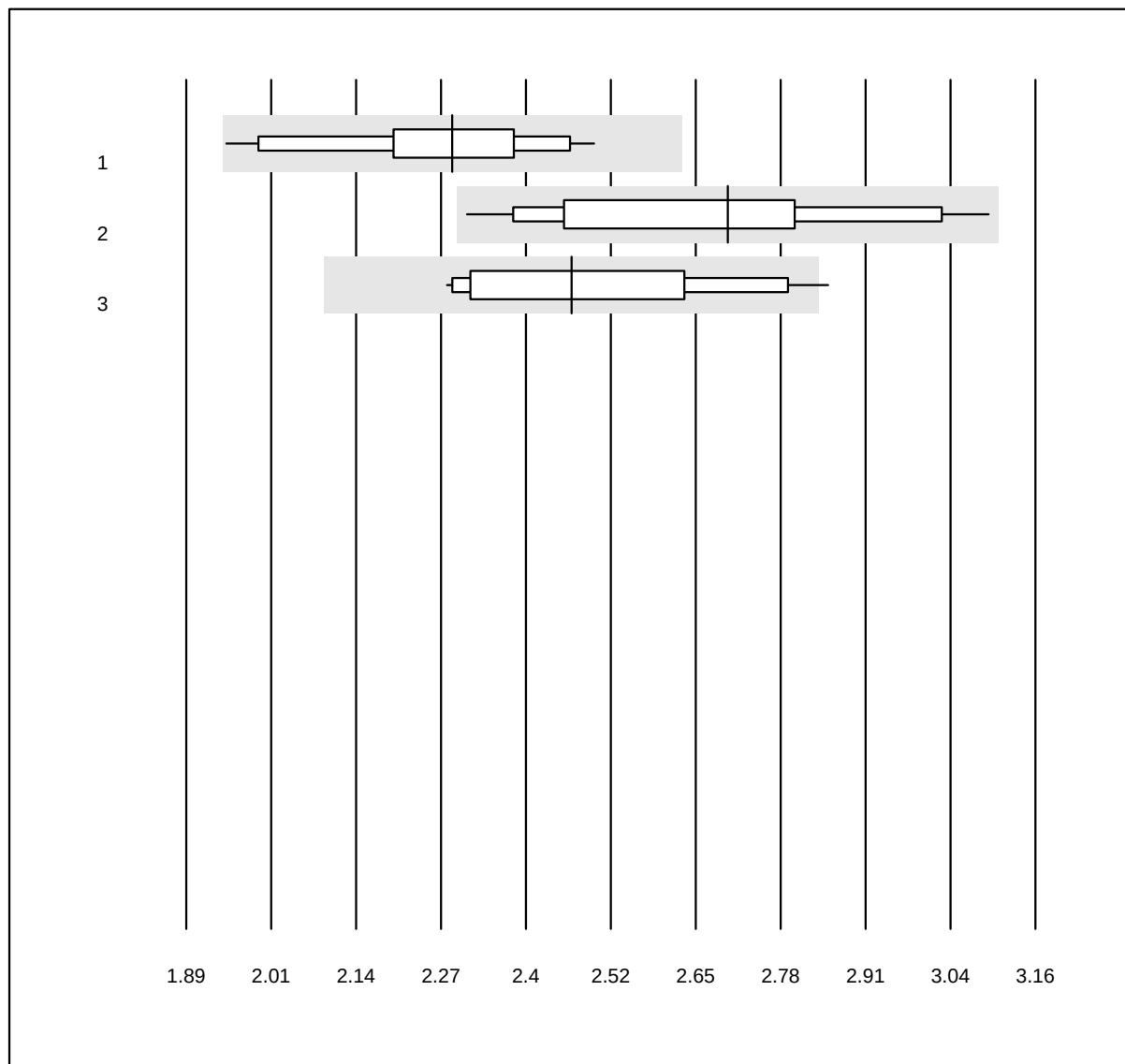


QUALAB Toleranz: 25%

aPTT N (Sek)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Actin FS	11	100.0	0.0	0.0	23.7	2.6	e
2 Pathromtin SL	13	100.0	0.0	0.0	37.9	6.3	e
3 Stago/STA	22	100.0	0.0	0.0	31.7	3.8	e
4 aPTT-SP	12	100.0	0.0	0.0	31.5	14.7	e*

Fibrinogen N



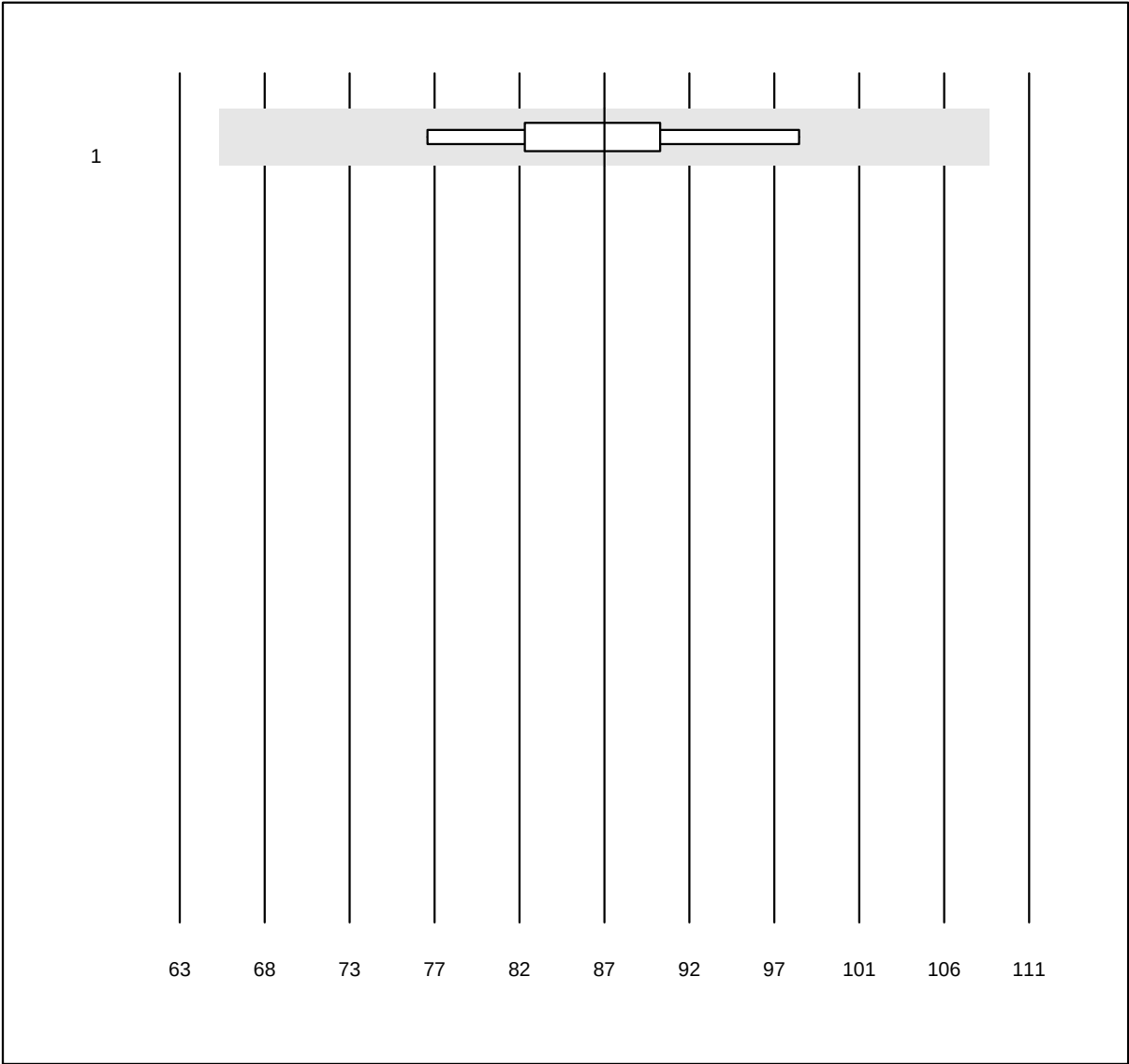
QUALAB Toleranz: 15%

Fibrinogen N (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Siemens Thrombin	15	100.0	0.0	0.0	2.29	6.5	e
2 Stago/STA	22	100.0	0.0	0.0	2.70	8.1	a
3 ACL	13	92.3	7.7	0.0	2.47	7.3	e*

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

Faktor V

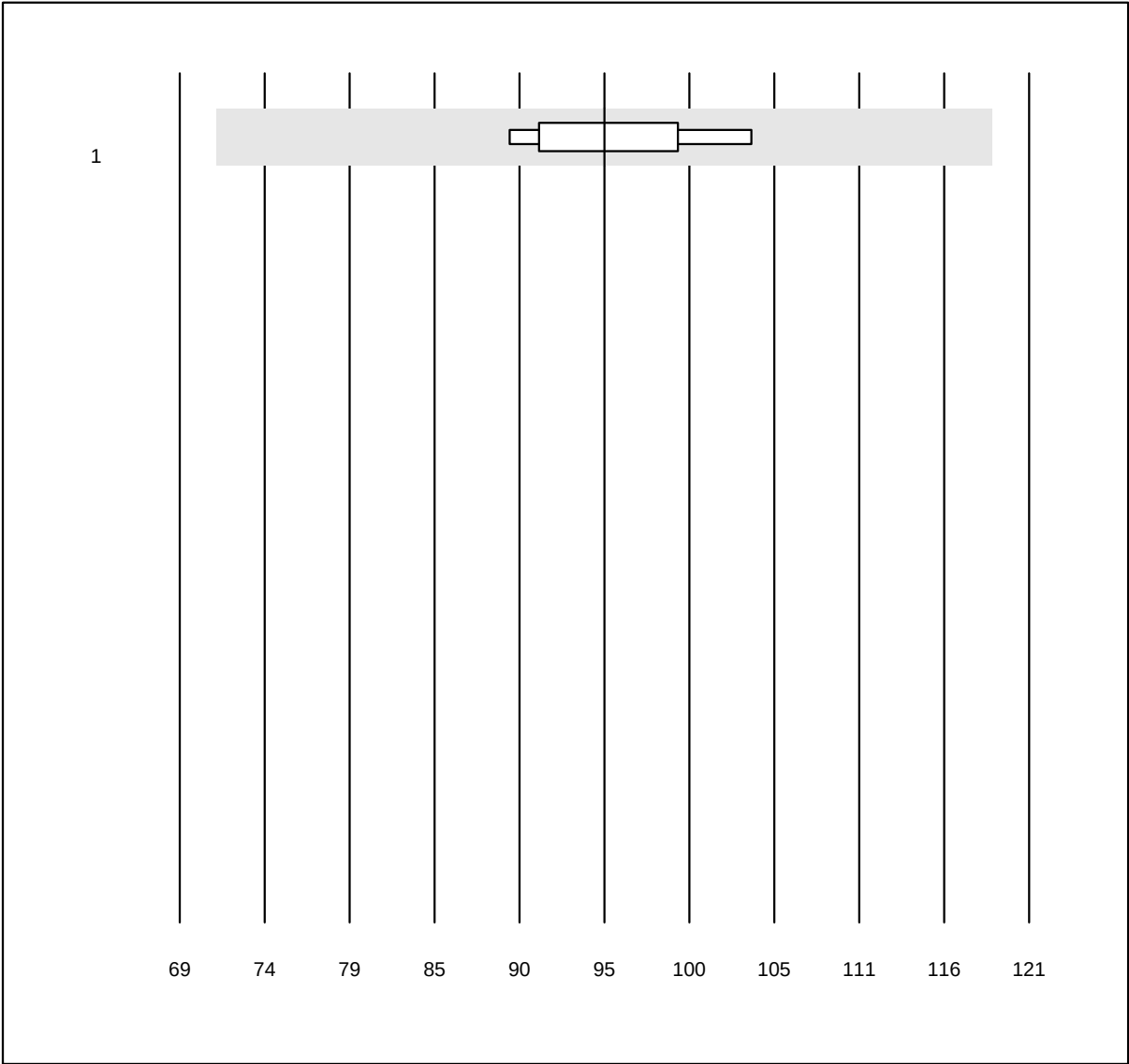


MQ Toleranz: 25%

Faktor V (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 all Participants	9	100.0	0.0	0.0	87.0	7.0	e

Faktor VII

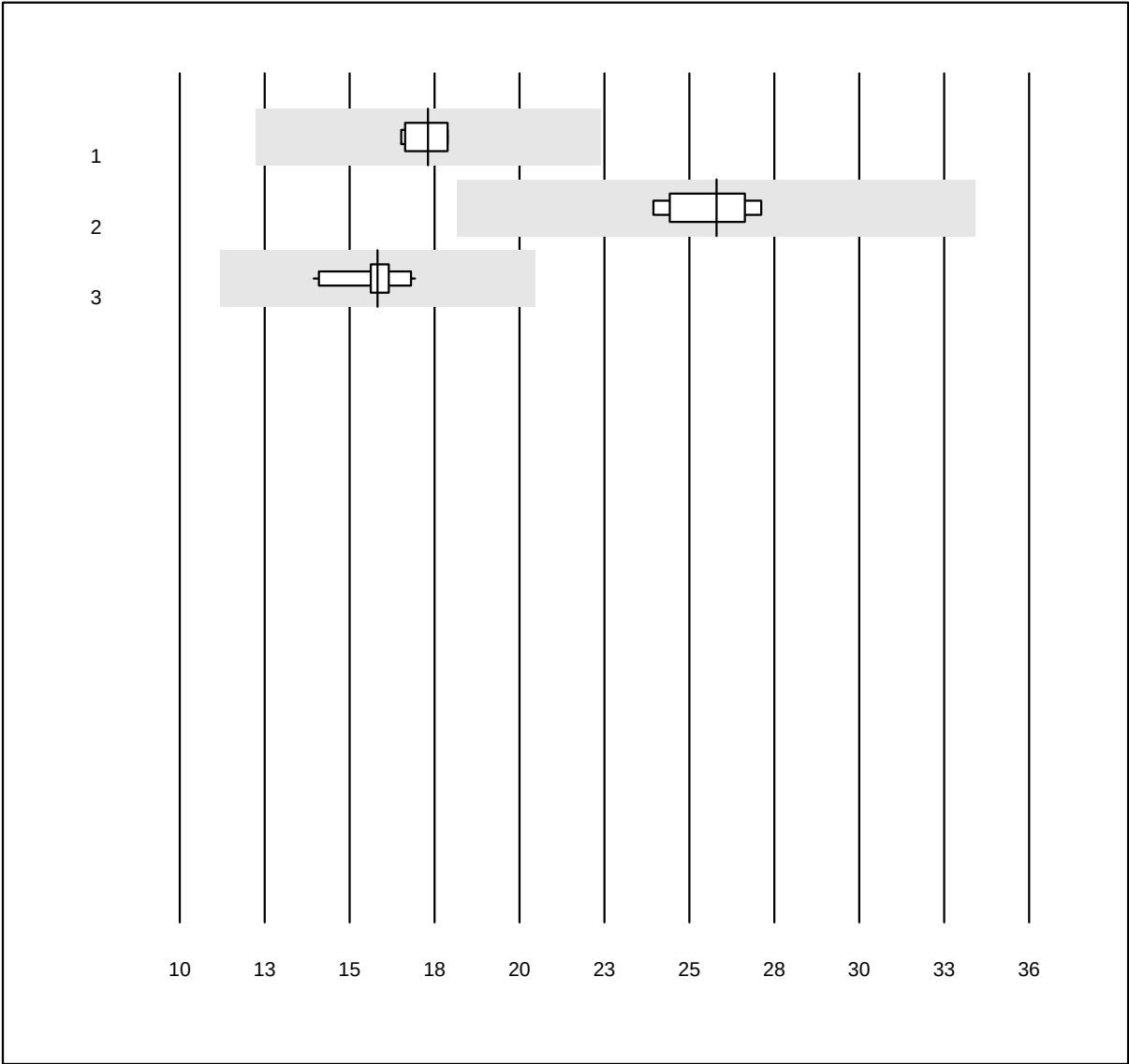


MQ Toleranz: 25%

Faktor VII (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 all Participants	5	100.0	0.0	0.0	95.0	4.9	e

Thrombintime N



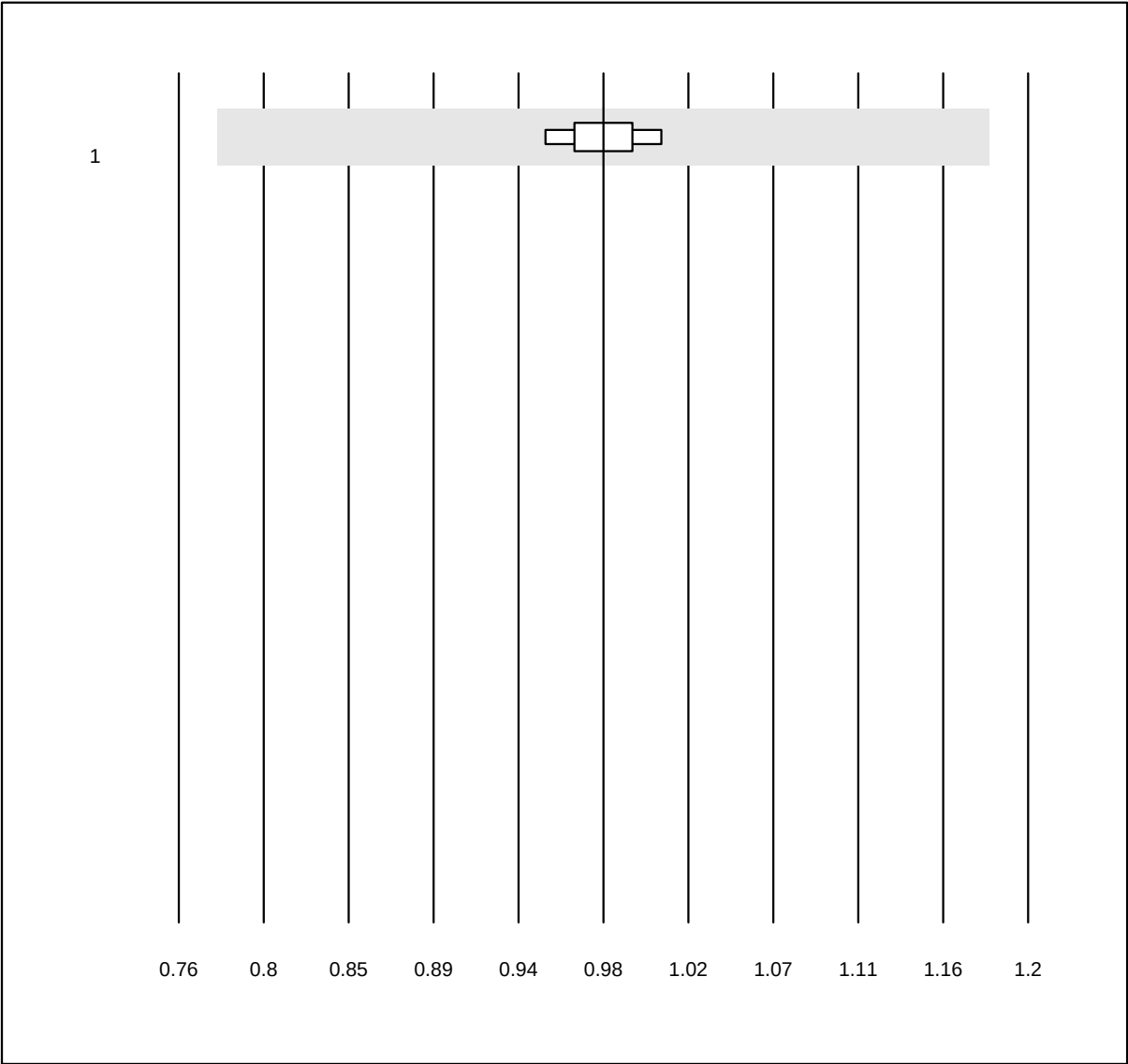
MQ Toleranz: 30%

Thrombintime N (Sek)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Stago/STA	7	100.0	0.0	0.0	18	3.7	e
2	ACL	9	100.0	0.0	0.0	26	4.8	e
3	Other methods	13	100.0	0.0	0.0	16	5.3	e

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

INR H



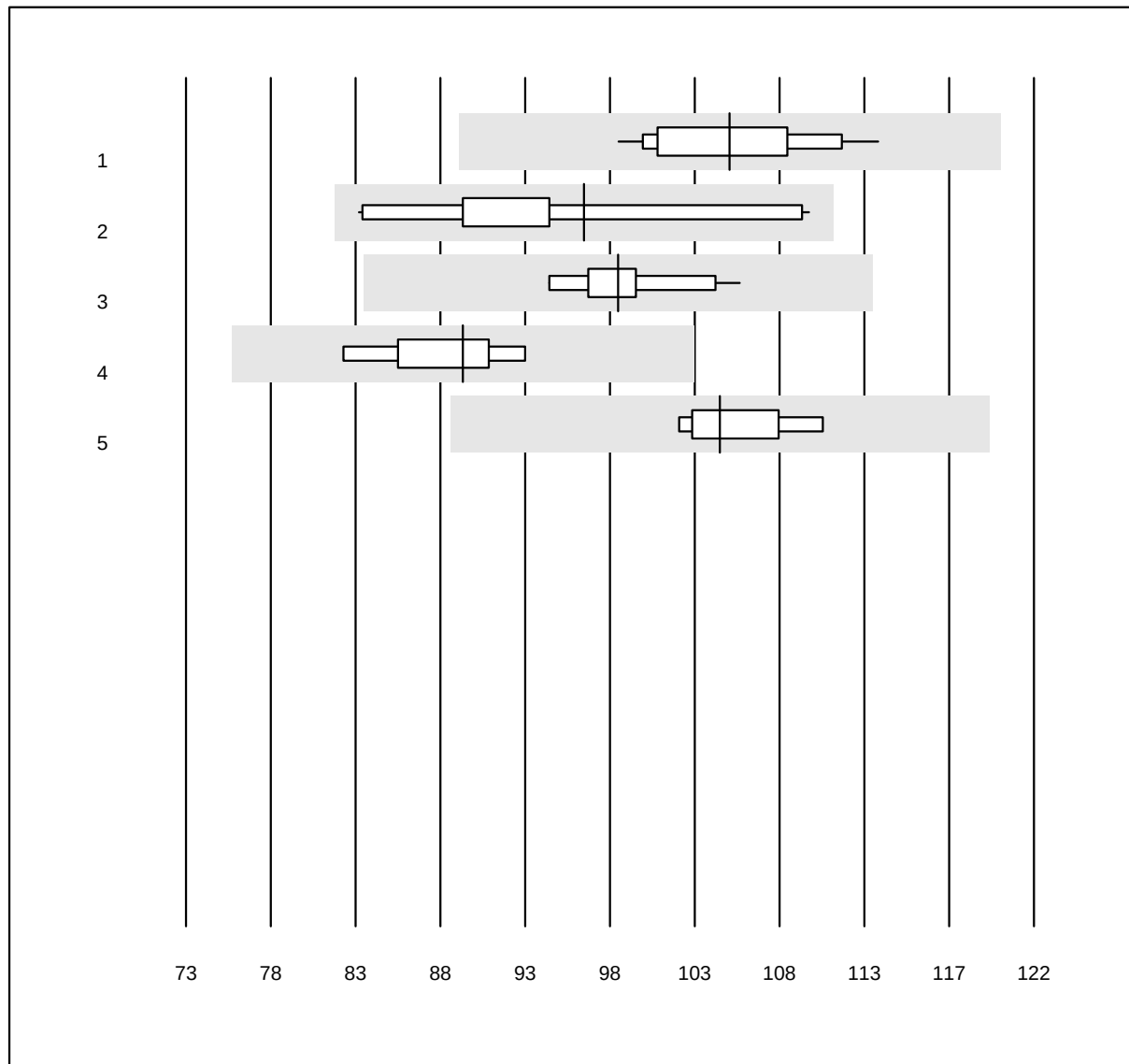
QUALAB Toleranz: 15%
(< 1.3: +/- 0.2 INR)

INR H (INR)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Innovin	4	100.0	0.0	0.0	0.98	1.7	e

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

Prothrombin time HT

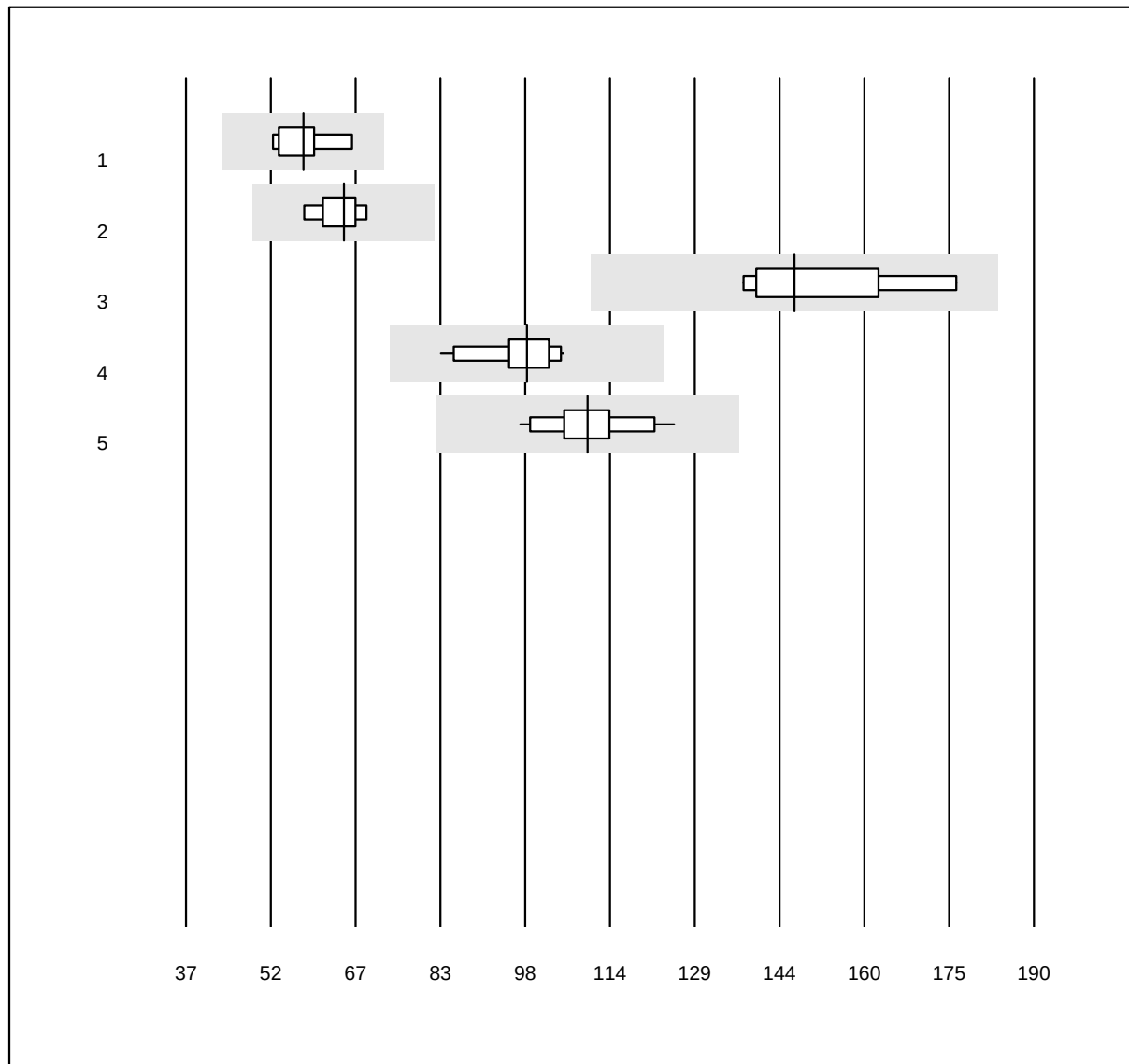


QUALAB Toleranz: 15%

Prothrombin time HT (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Innovin	16	100.0	0.0	0.0	104.4	4.0	e
2 Neoplastin R	11	100.0	0.0	0.0	96.0	8.7	a*
3 Recombiplastin 2G	16	100.0	0.0	0.0	98.0	3.3	e
4 NeoPTimal	6	100.0	0.0	0.0	89.0	3.6	e
5 Other methods	4	100.0	0.0	0.0	103.8	2.6	e

aPTT H



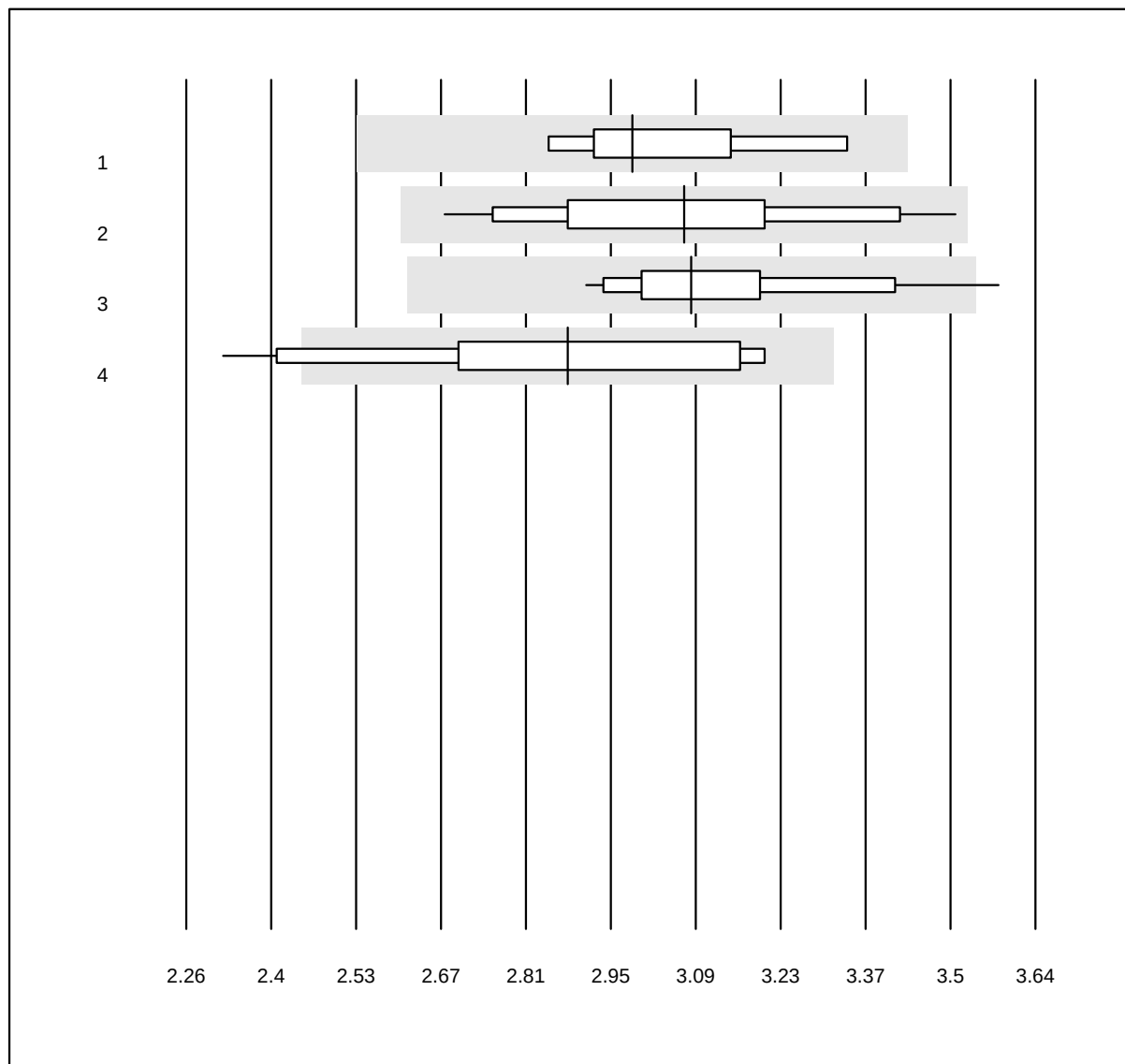
QUALAB Toleranz: 25%

aPTT H (Sek)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Actin FS	6	100.0	0.0	0.0	58.2	7.3	e
2 Actin FSL	6	100.0	0.0	0.0	65.5	5.5	e
3 Pathromtin SL	9	100.0	0.0	0.0	146.8	9.1	e*
4 aPTT-SP	11	100.0	0.0	0.0	98.5	6.1	e
5 Stago/STA	14	100.0	0.0	0.0	109.5	6.7	e

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Fibrinogen H



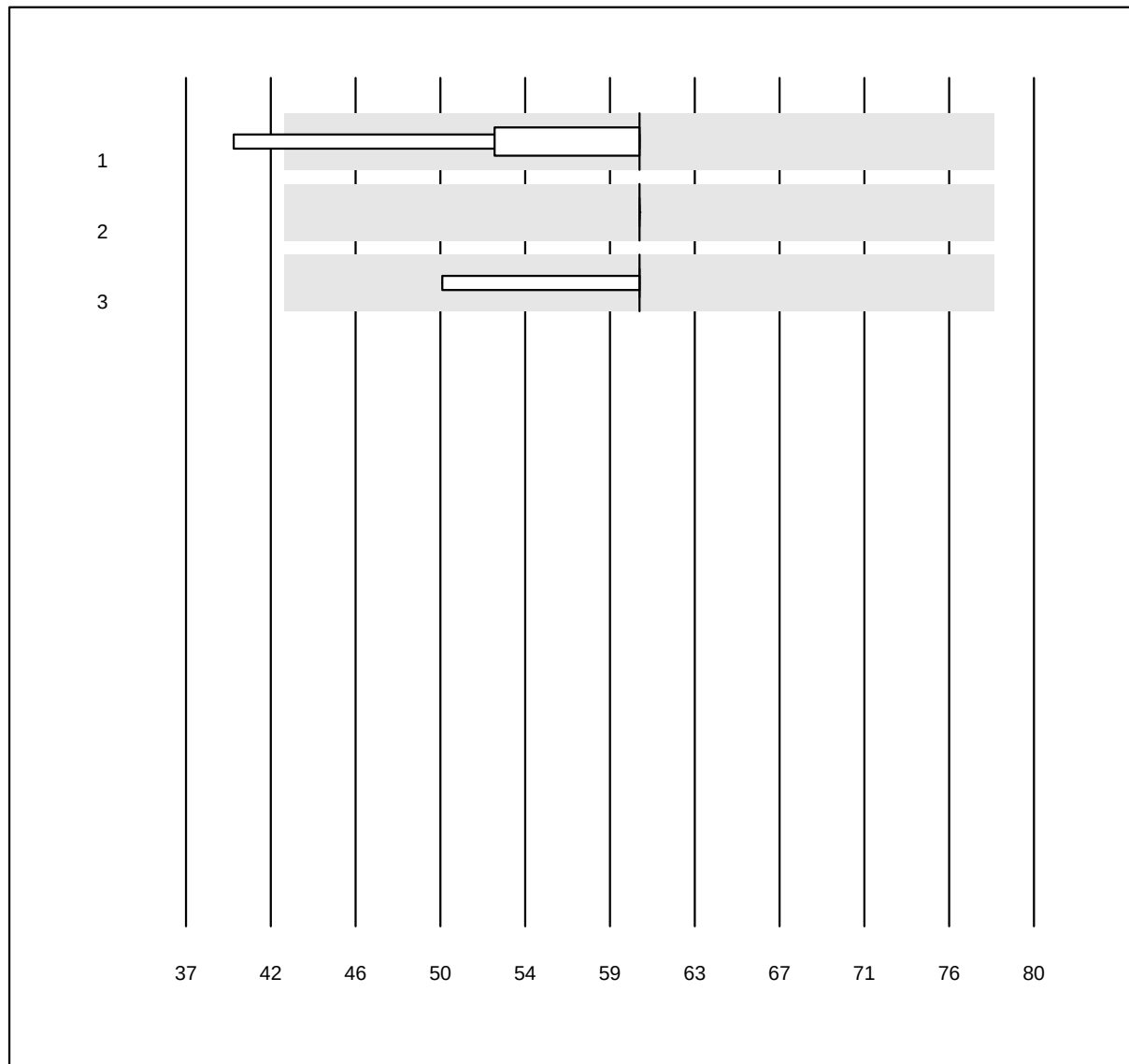
QUALAB Toleranz: 15%

Fibrinogen H (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Siemens Thrombin	6	100.0	0.0	0.0	2.98	4.8	e*
2 Stago/STA	15	100.0	0.0	0.0	3.07	7.0	e*
3 HemosIL	16	93.8	6.2	0.0	3.08	5.5	e
4 Other methods	12	91.7	8.3	0.0	2.88	9.6	a*

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

Thrombintime H

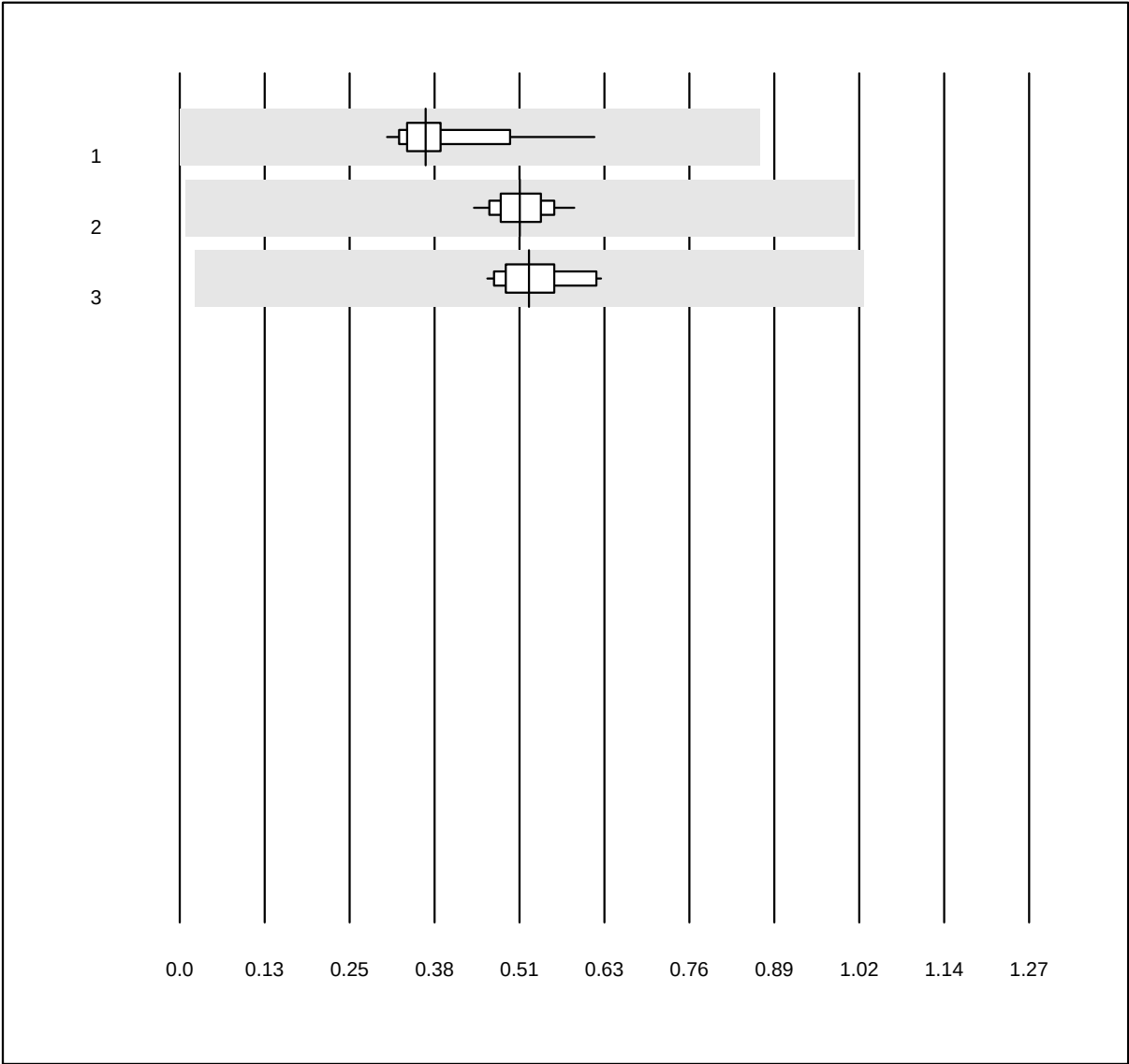


MQ Toleranz: 30%

Thrombintime H (Sek)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Stago/STA	5	100.0	0.0	0.0	60	11.5	e*
2 ACL	8	100.0	0.0	0.0	60	0.0	e
3 Other methods	11	100.0	0.0	0.0	60	7.0	e

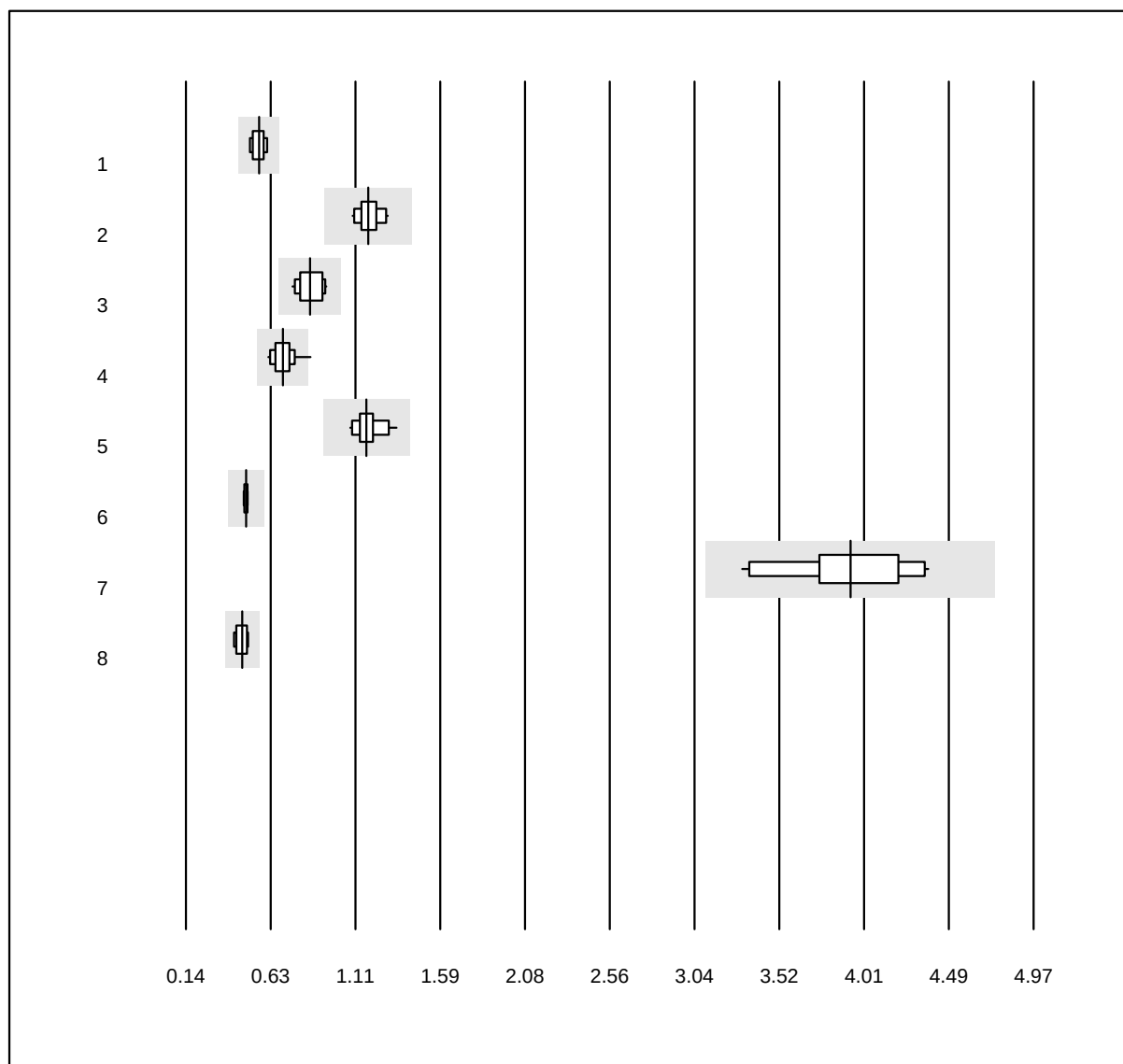
Anti-FXa (unfrakt-Heparin)



MQ Toleranz: 30%
(< 0.9: +/- 0.5 IU/ml)

		Anti-FXa (unfrakt-Heparin) (IU/ml)				Target Value	VK %	Type
No.	Method	Total	% OK	% insuff.	% outlier			
1	Stago/STA	15	100.0	0.0	0.0	0.37	18.7	e
2	ACL	22	100.0	0.0	0.0	0.51	7.6	e
3	Other methods	26	100.0	0.0	0.0	0.52	9.3	e

D-dimer



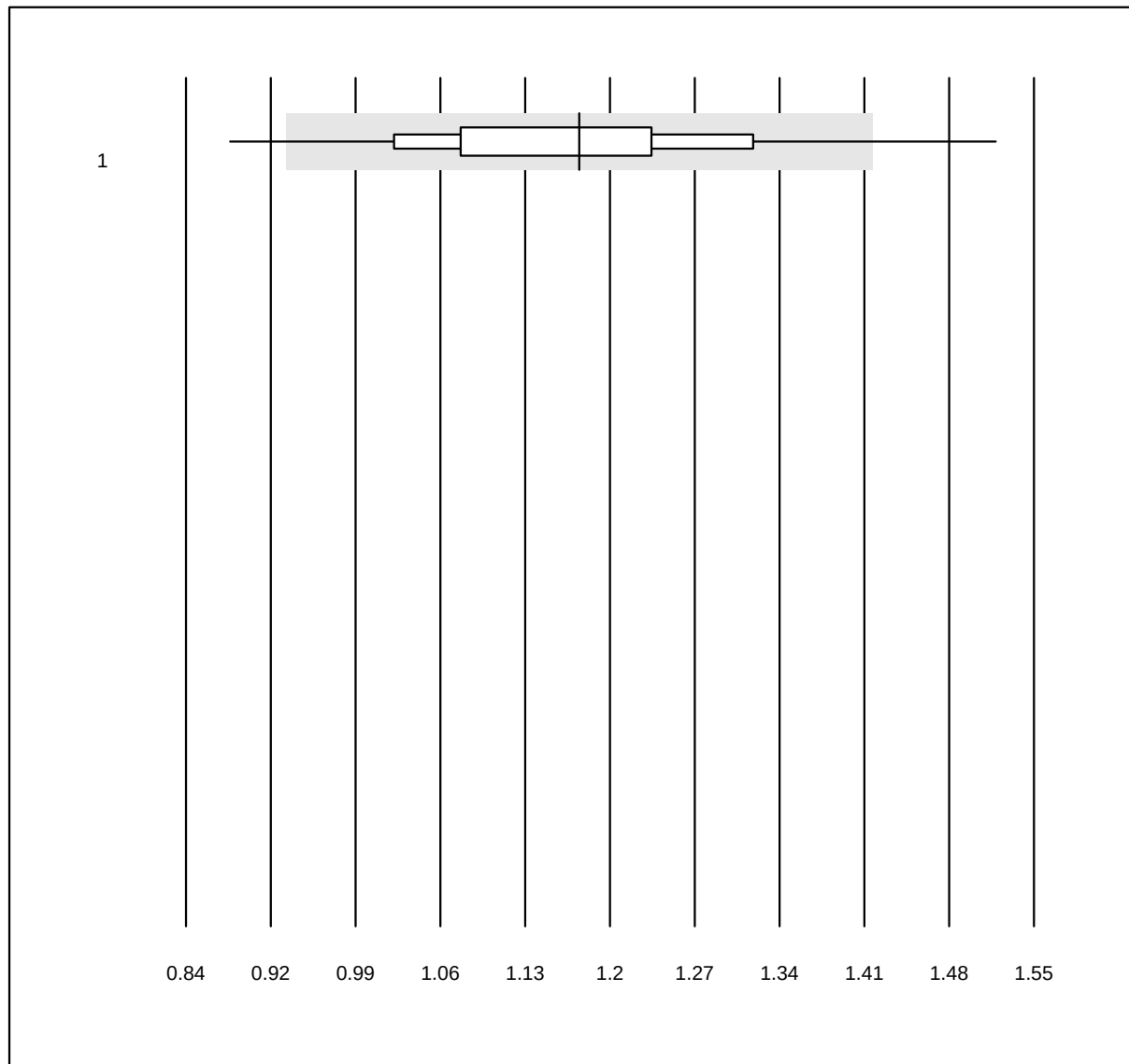
QUALAB Toleranz: 21%

D-dimer (mg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	5	100.0	0.0	0.0	0.56	6.0	e*
2 Siemens	18	100.0	0.0	0.0	1.18	5.0	e
3 VIDAS	16	93.8	0.0	6.2	0.85	7.4	e
4 STA Liatest	19	94.7	5.3	0.0	0.69	8.3	e
5 ACL	13	100.0	0.0	0.0	1.17	5.7	e
6 AQT 90 FLEX	4	100.0	0.0	0.0	0.48	2.0	e
7 Pathfast	19	100.0	0.0	0.0	3.93	8.4	e
8 Roche (heparin plasma)	4	100.0	0.0	0.0	0.46	7.1	e*

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D-dimer qn AFIAS

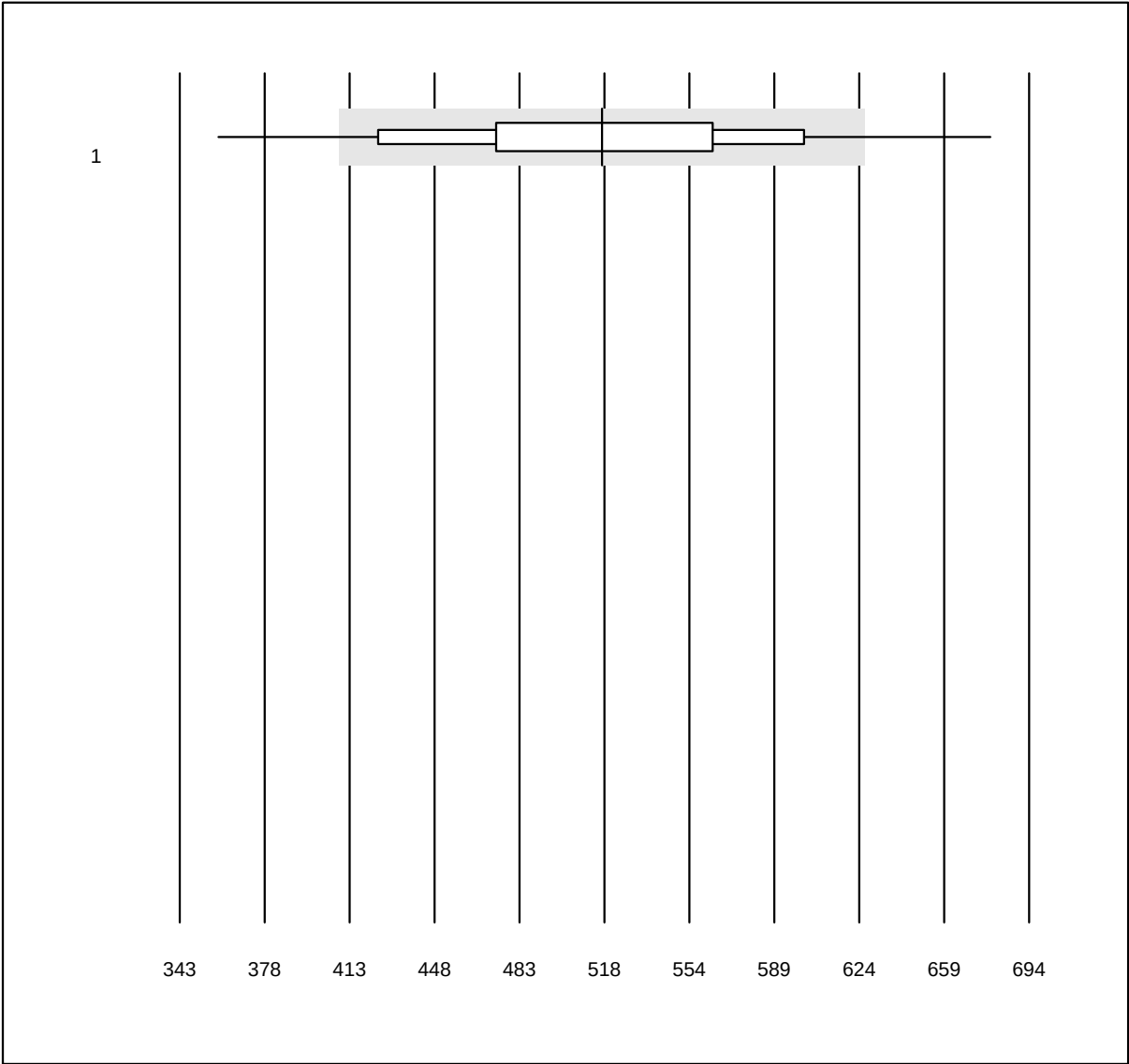


QUALAB Toleranz: 21%

D-dimer qn AFIAS (mg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 AFIAS	676	88.2	3.6	8.3	1.17	10.2	e

D-Dimer Triage

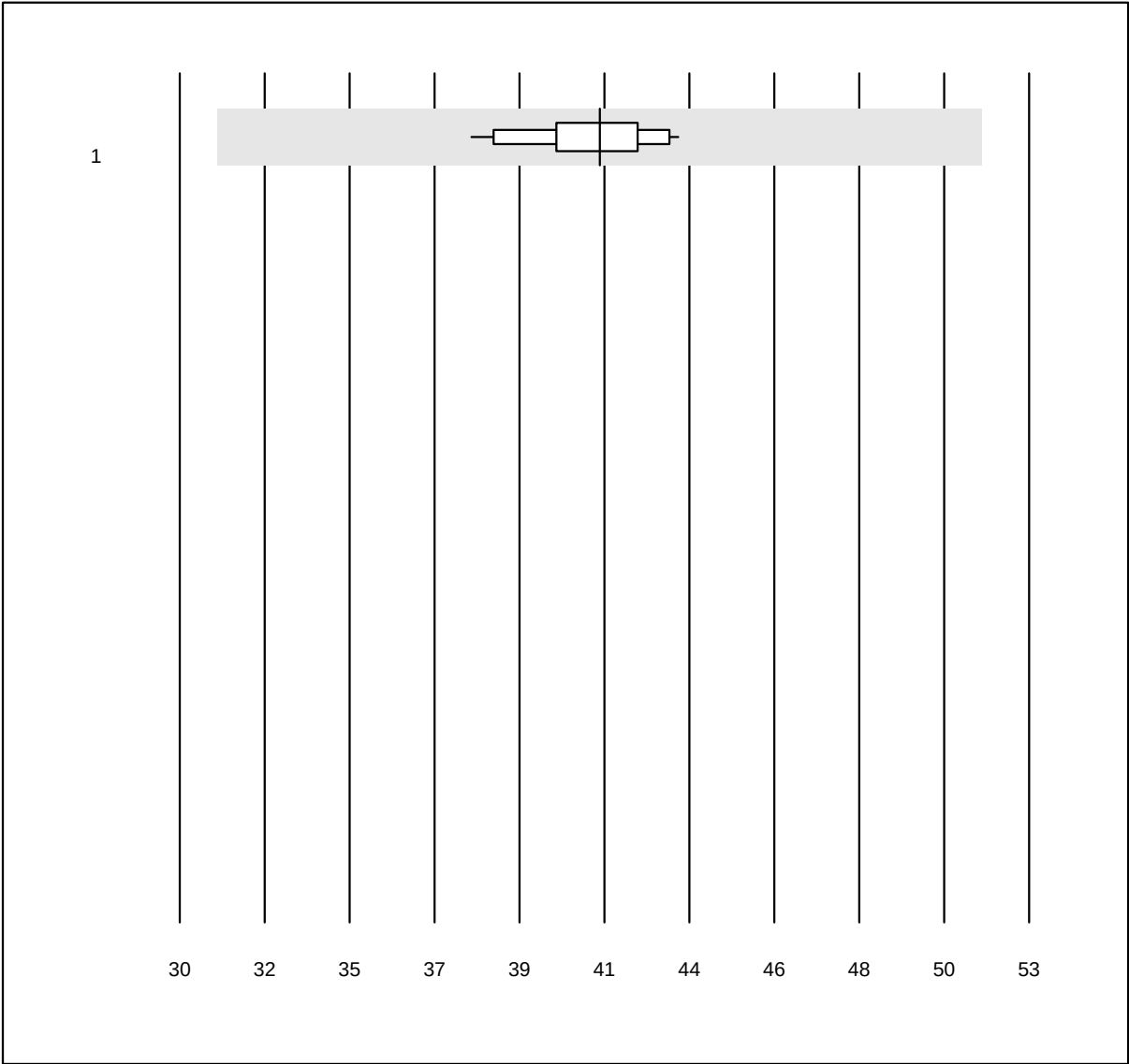


QUALAB Toleranz: 21%

D-Dimer Triage (ng/ml)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Triage	472	88.8	10.0	1.3	517.51	12.6	e

CoaguChek APTT

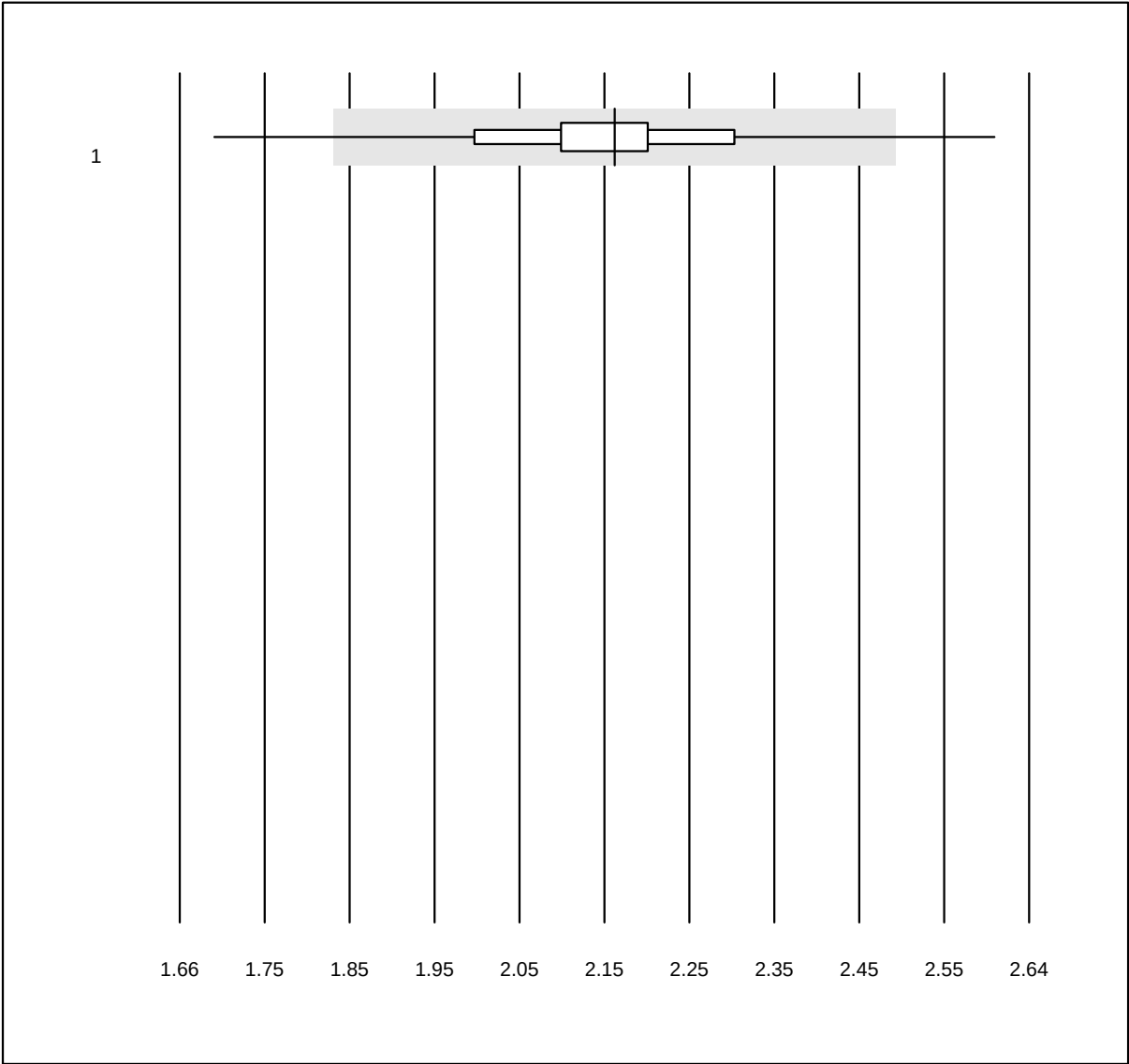


QUALAB Toleranz: 25%

CoaguChek APTT (Sek)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	CoaguChek Pro II	12	100.0	0.0	0.0	41.4	3.7	e

INR CCXS

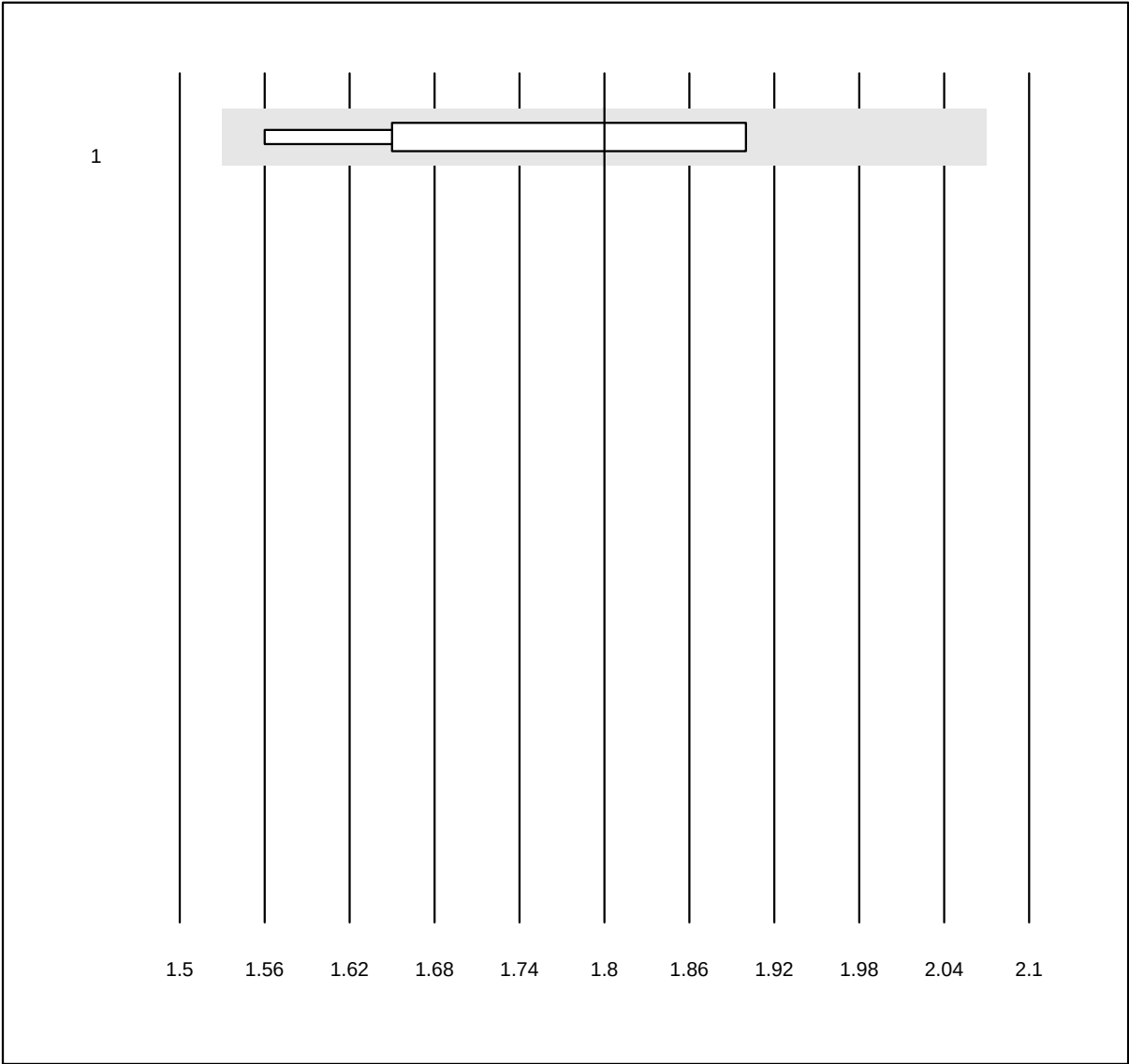


QUALAB Toleranz: 15%

INR CCXS (INR)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	CoaguChek XS	1083	98.9	0.6	0.5	2.2	4.3	e

INR HC

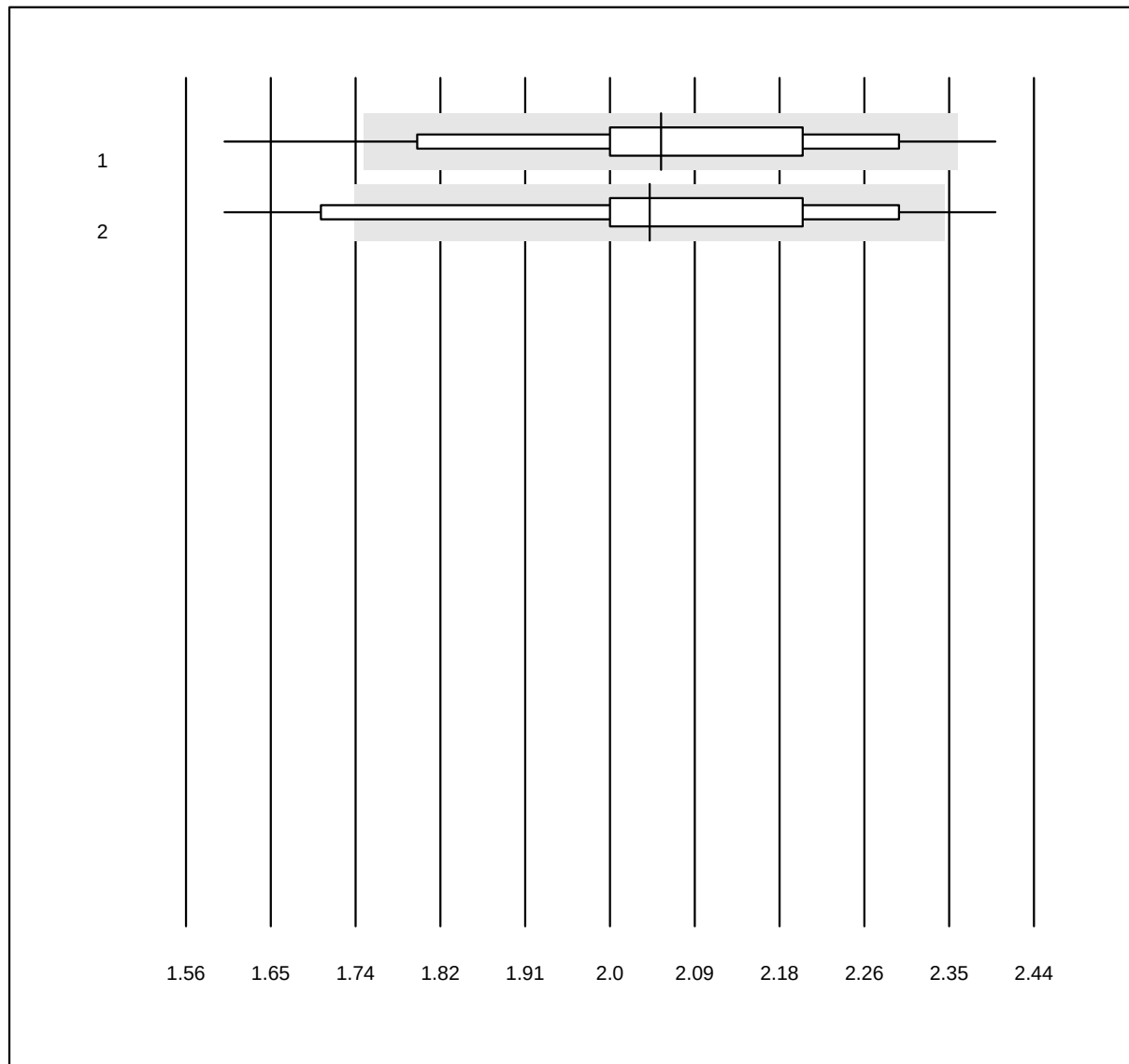


QUALAB Toleranz: 15%

INR HC ()

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Hemochron j.	5	100.0	0.0	0.0	1.8	7.3	e*

INR MI

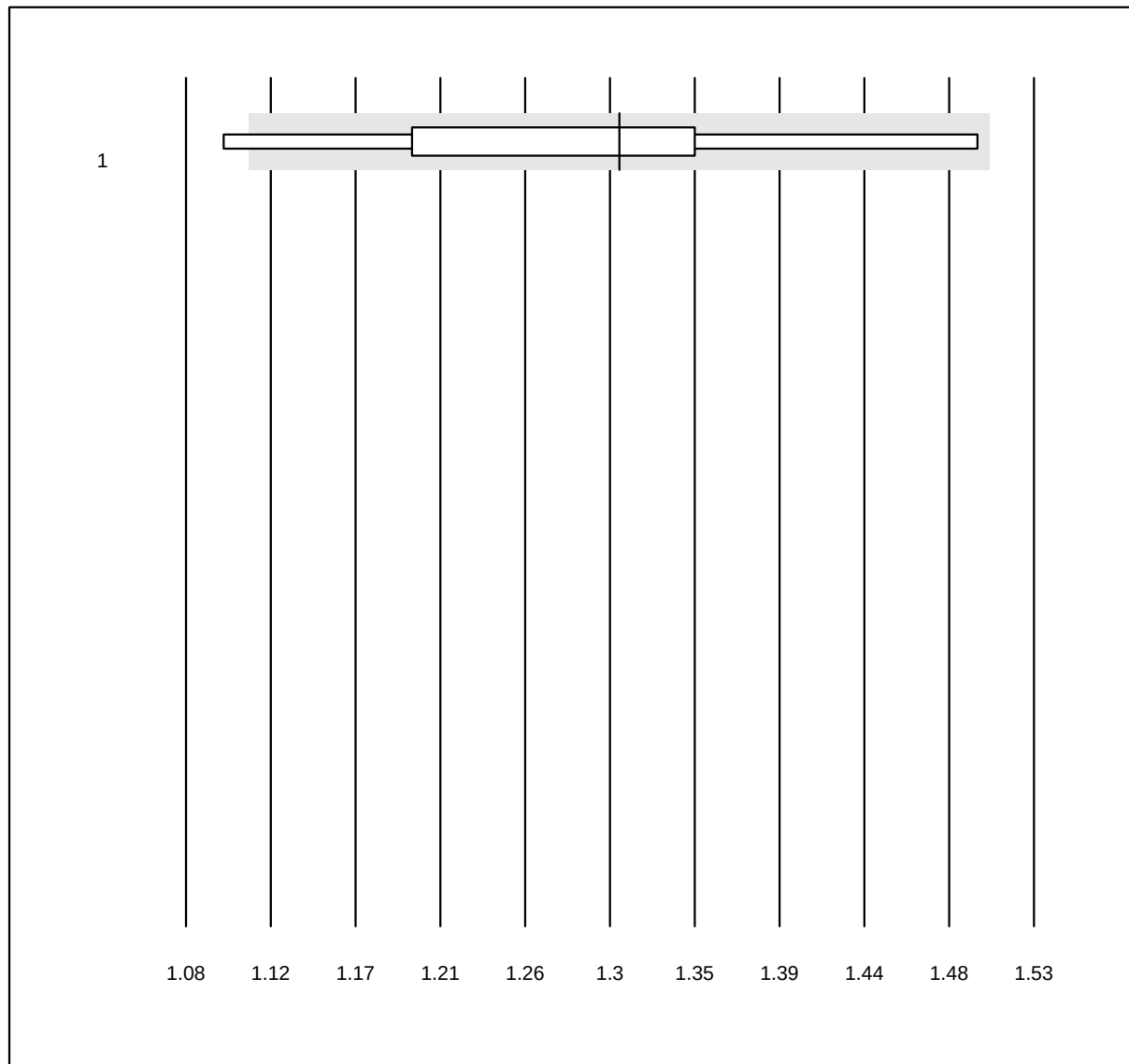


QUALAB Toleranz: 15%

INR MI ()

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 microINR Expert	54	85.2	5.6	9.3	2.1	8.5	e
2 microINR	98	72.4	13.3	14.3	2.0	9.5	e

INR Lumira Dx

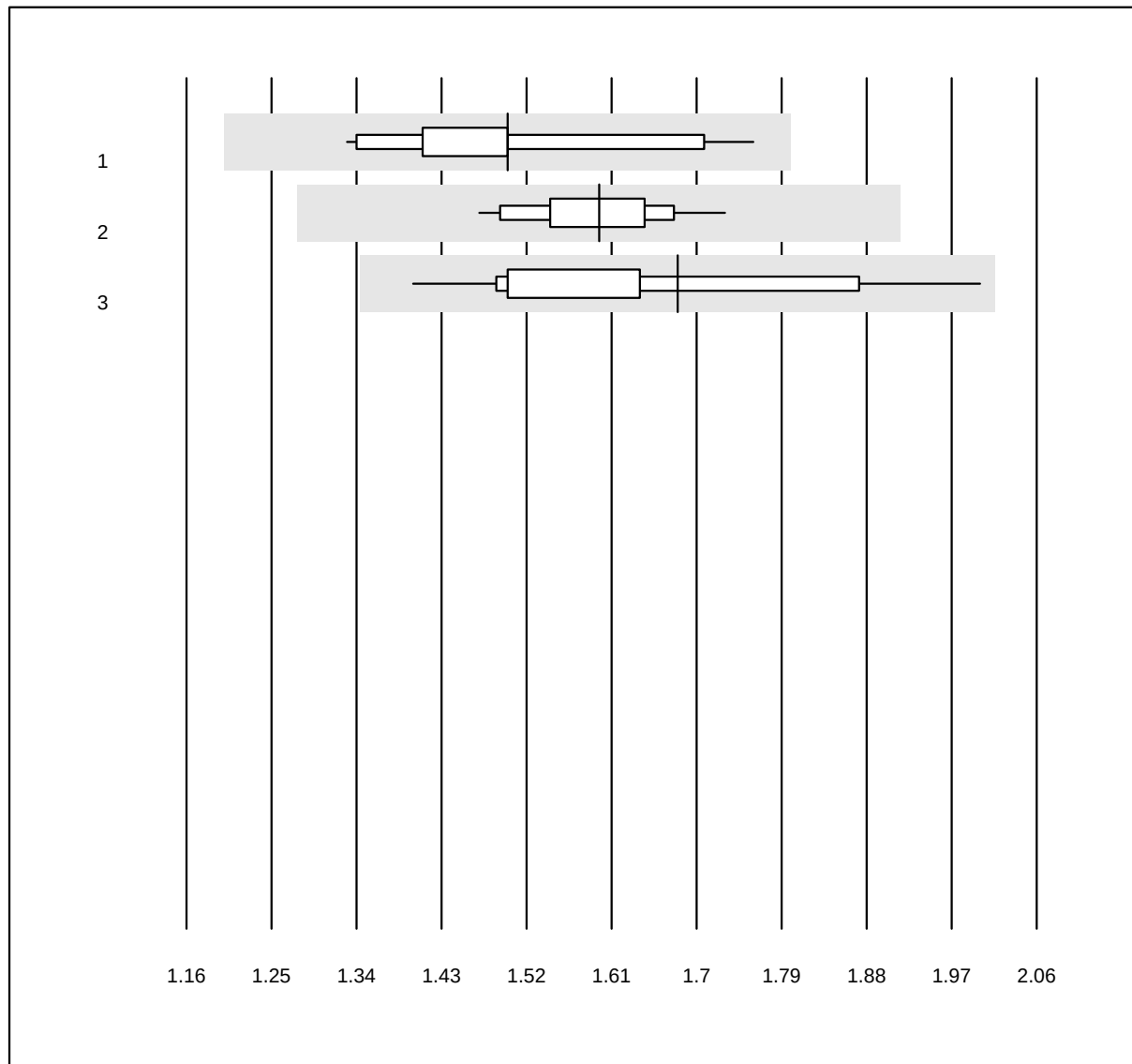


QUALAB Toleranz: 15%

INR Lumira Dx ()

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Lumira Dx	10	80.0	10.0	10.0	1.3	9.4	a*

Anti-FXa (LMW-Heparin)

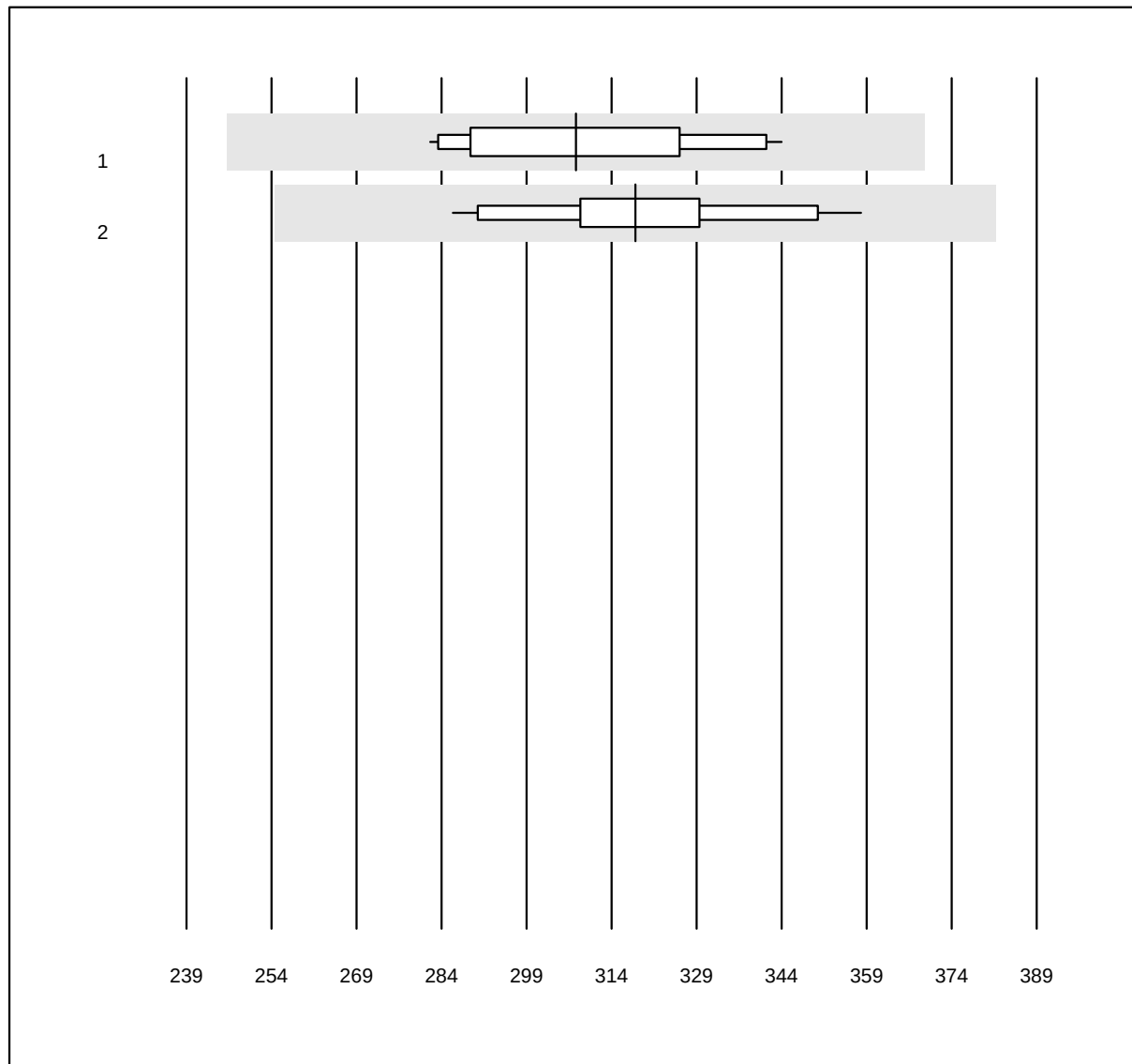


MQ Toleranz: 20%

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

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Stago/STA	11	100.0	0.0	0.0	1.50	7.5	a
2 ACL	21	100.0	0.0	0.0	1.60	4.2	e
3 Other methods	23	100.0	0.0	0.0	1.68	9.5	a

Anti-FXa (Rivaroxaban)



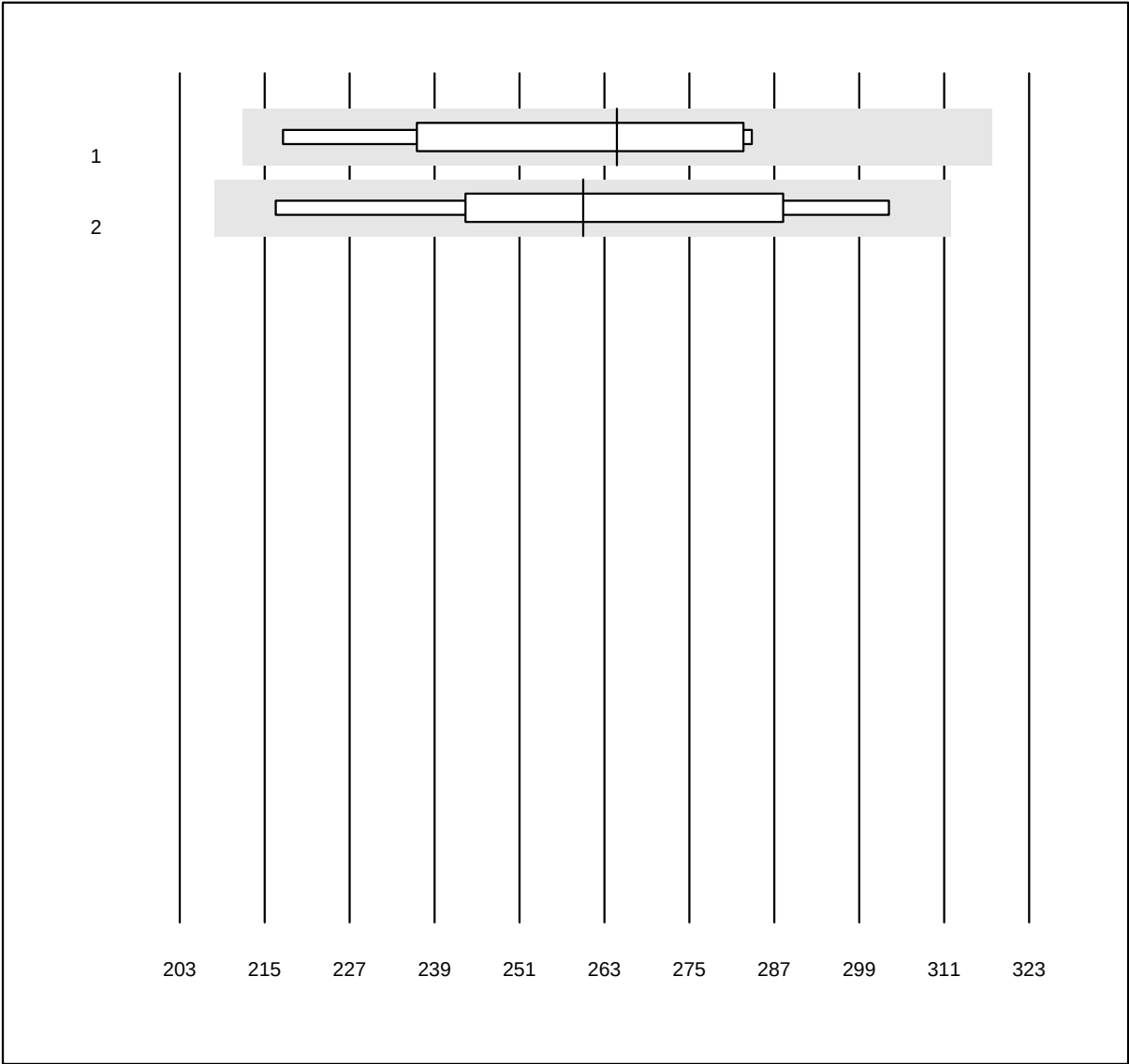
MQ Toleranz: 20%

Anti-FXa (Rivaroxaban)
(µg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ACL	11	100.0	0.0	0.0	307.72	6.6	e
2 Stago/STA	13	100.0	0.0	0.0	318.21	5.8	e

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

Anti-FXa (Apixaban)

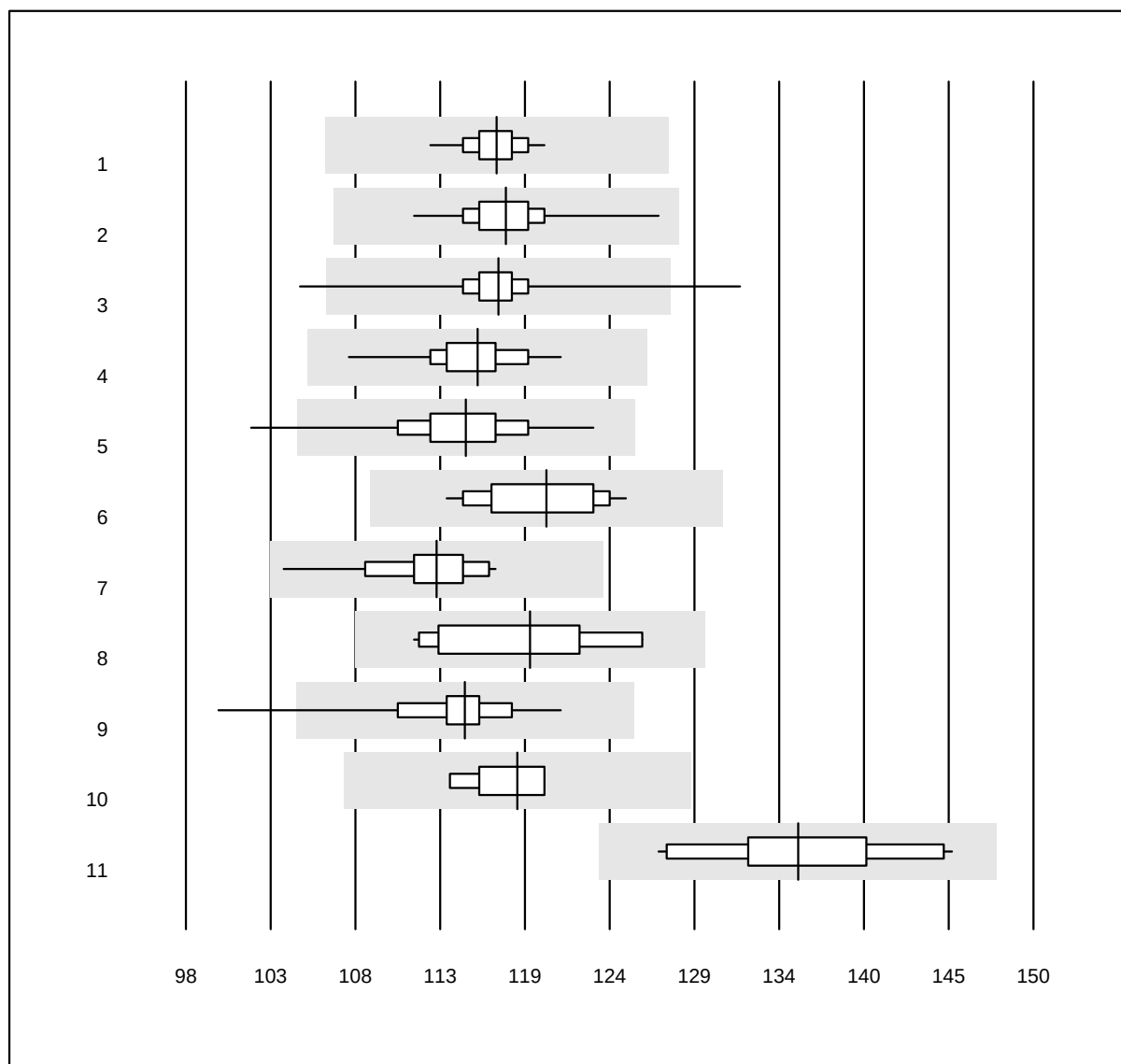


MQ Toleranz: 20%

Anti-FXa (Apixaban) (µg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ACL	5	100.0	0.0	0.0	264.77	9.4	e*
2 Stago/STA	8	100.0	0.0	0.0	260.00	10.6	a*

Hemoglobin 1



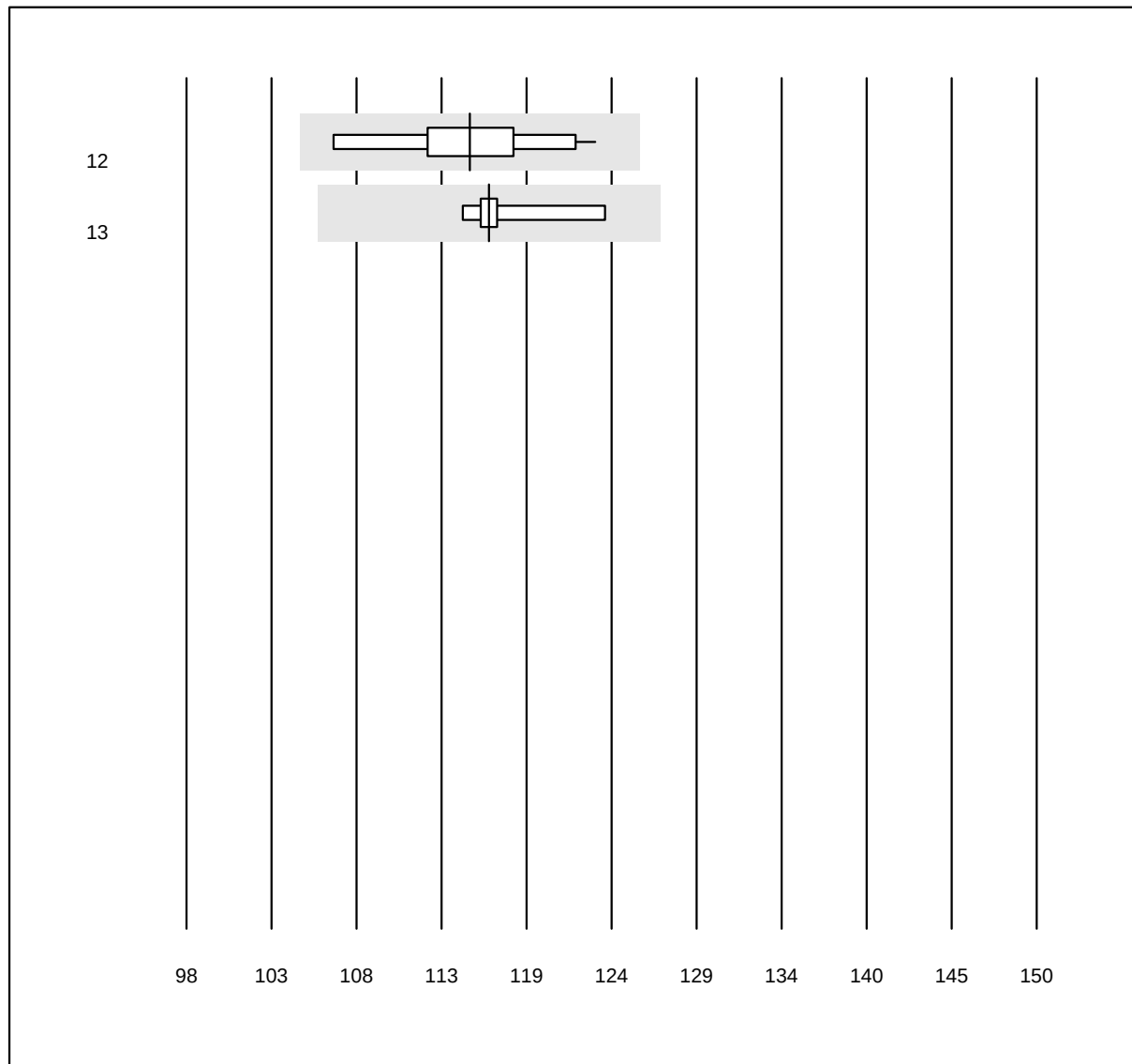
QUALAB Toleranz: 9%

Hemoglobin (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex XN	58	100.0	0.0	0.0	117.1	1.3	e
2 Sysmex XQ-320	297	98.7	0.0	1.3	117.6	1.6	e
3 Sysmex XP-300	477	97.3	1.3	1.5	117.2	2.1	e
4 Sysmex Poch-100i	174	98.9	0.0	1.1	115.9	2.1	e
5 Mythic	176	96.6	0.6	2.8	115.2	2.8	e
6 Swelab	14	100.0	0.0	0.0	120.1	2.7	e
7 Micros 60	34	97.1	0.0	2.9	113.4	2.6	e
8 DiaSpect	13	92.3	0.0	7.7	119.1	4.1	e*
9 Hemocue	372	94.6	1.9	3.5	115.1	2.6	e
10 Automat	5	100.0	0.0	0.0	118.3	1.8	e
11 Hemocue Hb 801	14	100.0	0.0	0.0	135.6	4.1	e*

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Hemoglobin 2



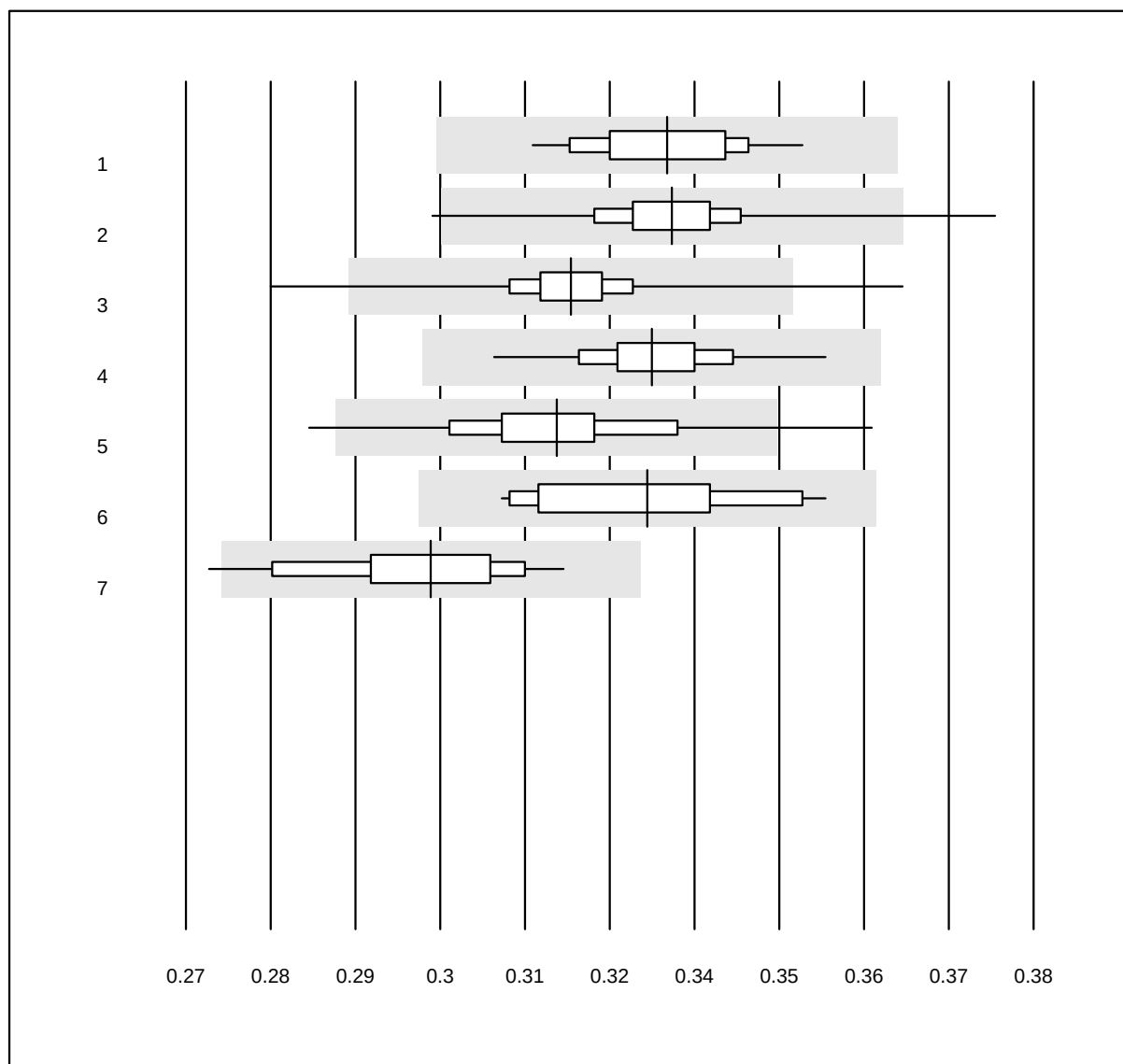
QUALAB Toleranz: 9%

Hemoglobin (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 Cyanmethemoglobin	12	100.0	0.0	0.0	115.3	4.1	e*
13 Hemocontrol	8	100.0	0.0	0.0	116.5	2.1	e

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

Hematocrit



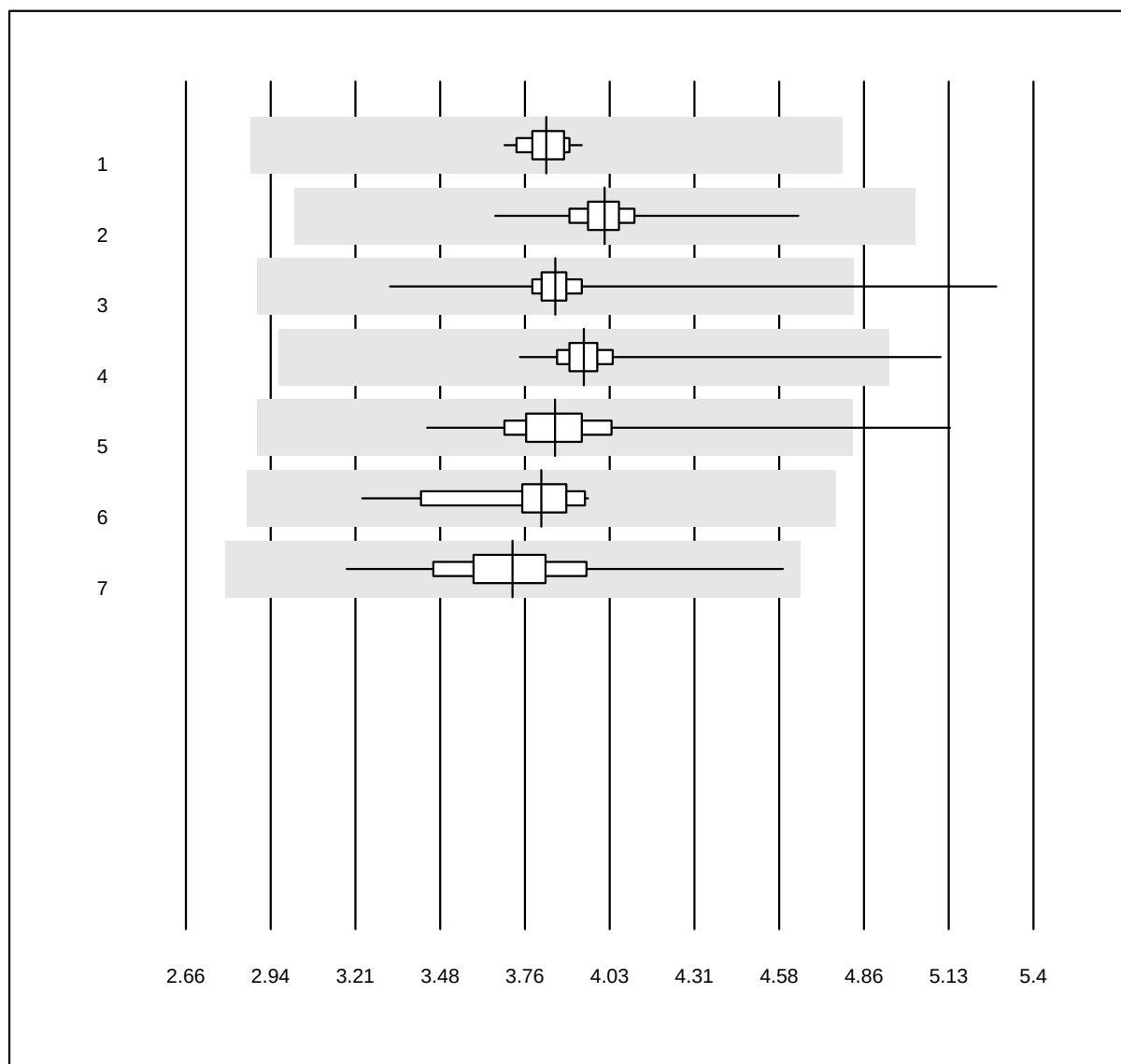
QUALAB Toleranz: 9%

Hematocrit (l/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex XN	58	100.0	0.0	0.0	0.33	2.7	e
2 Sysmex XQ-320	294	98.3	0.7	1.0	0.33	2.4	e
3 Sysmex XP-300	479	97.5	0.8	1.7	0.32	2.4	e
4 Sysmex Poch-100i	174	97.1	0.0	2.9	0.33	2.2	e
5 Mythic	176	93.8	3.4	2.8	0.32	3.7	e
6 Swelab	14	100.0	0.0	0.0	0.33	4.0	e
7 Micros 60	34	94.1	2.9	2.9	0.30	3.9	e

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

Erythrocytes



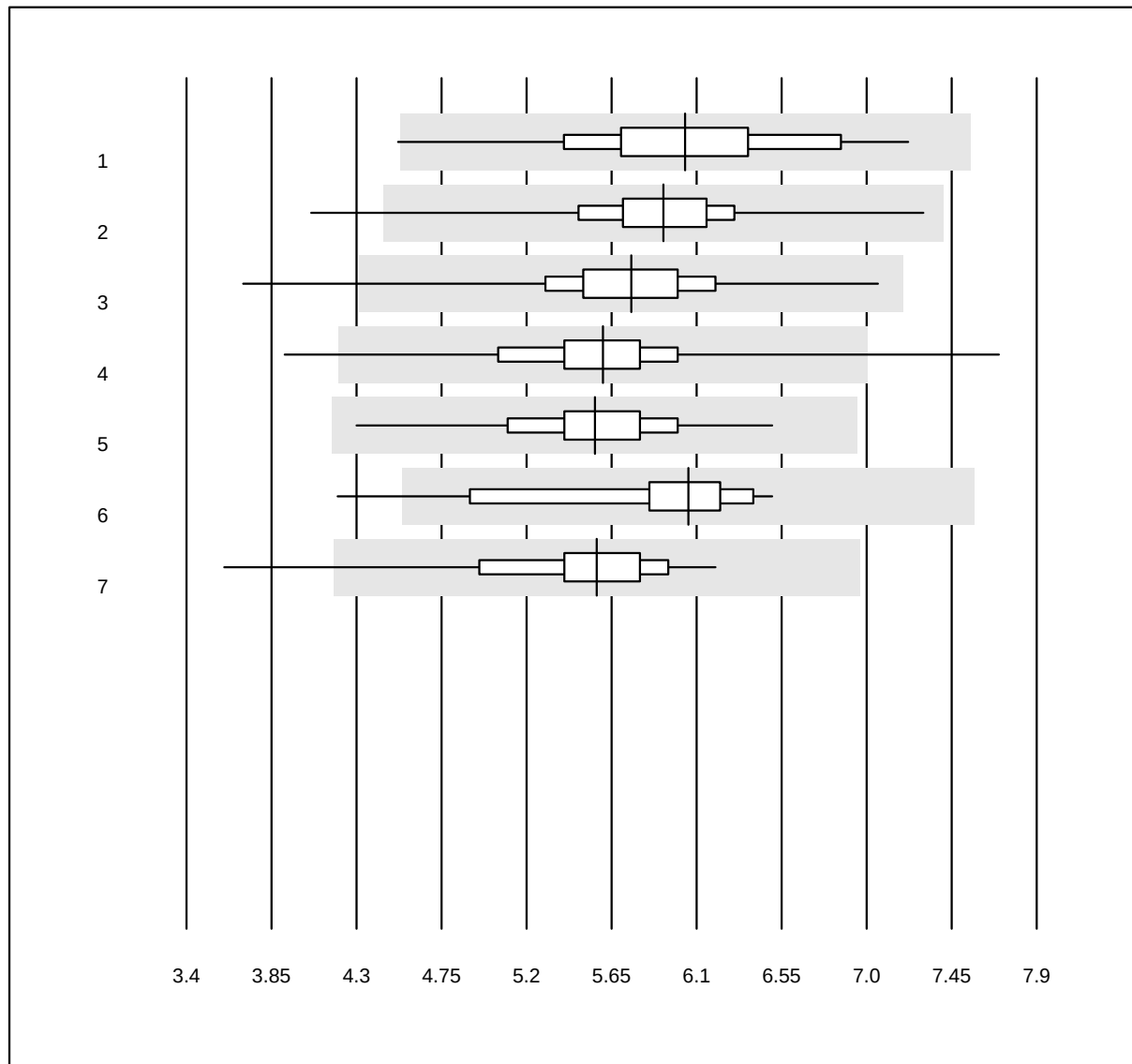
QUALAB Toleranz: 25%

Erythrocytes (T/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex XN	58	100.0	0.0	0.0	3.83	1.7	e
2 Sysmex XQ-320	295	99.0	0.0	1.0	4.01	2.5	e
3 Sysmex XP-300	478	99.4	0.2	0.4	3.85	3.3	e
4 Sysmex Poch-100i	174	98.3	0.6	1.1	3.95	2.9	e
5 Mythic	176	97.7	0.6	1.7	3.85	4.4	e
6 Swelab	14	100.0	0.0	0.0	3.81	4.8	e
7 Micros 60	34	100.0	0.0	0.0	3.72	6.5	e

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

Leucocytes



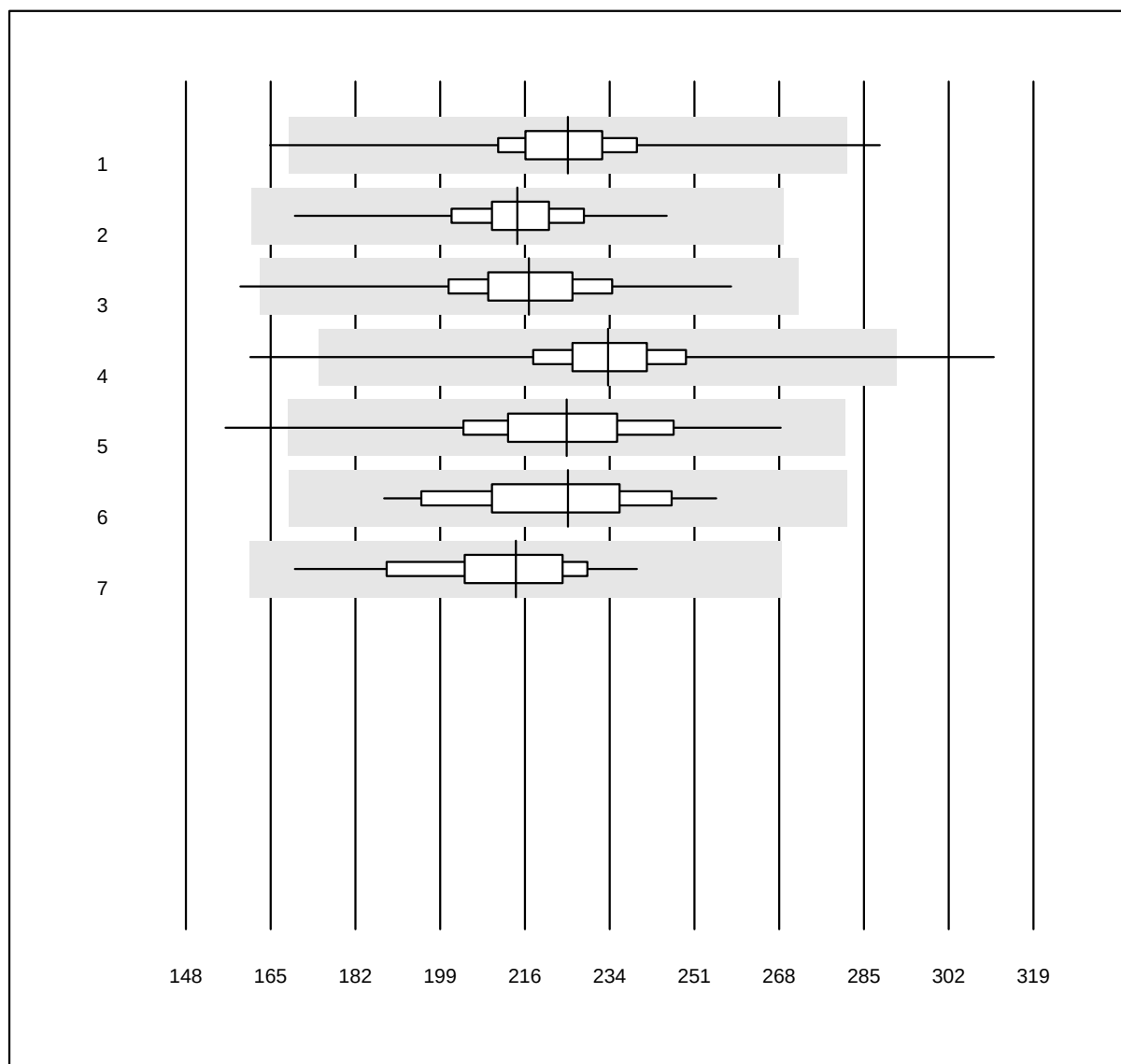
QUALAB Toleranz: 25%

Leucocytes (G/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex XN	58	98.3	1.7	0.0	6.04	8.6	e
2 Sysmex XQ-320	294	99.3	0.7	0.0	5.92	6.7	e
3 Sysmex XP-300	478	97.9	1.3	0.8	5.75	7.0	e
4 Sysmex Poch-100i	174	97.7	2.3	0.0	5.60	8.1	e
5 Mythic	175	100.0	0.0	0.0	5.56	6.9	e
6 Swelab	14	92.9	7.1	0.0	6.06	9.4	e
7 Micros 60	34	97.1	2.9	0.0	5.57	8.6	e

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

Thrombocytes



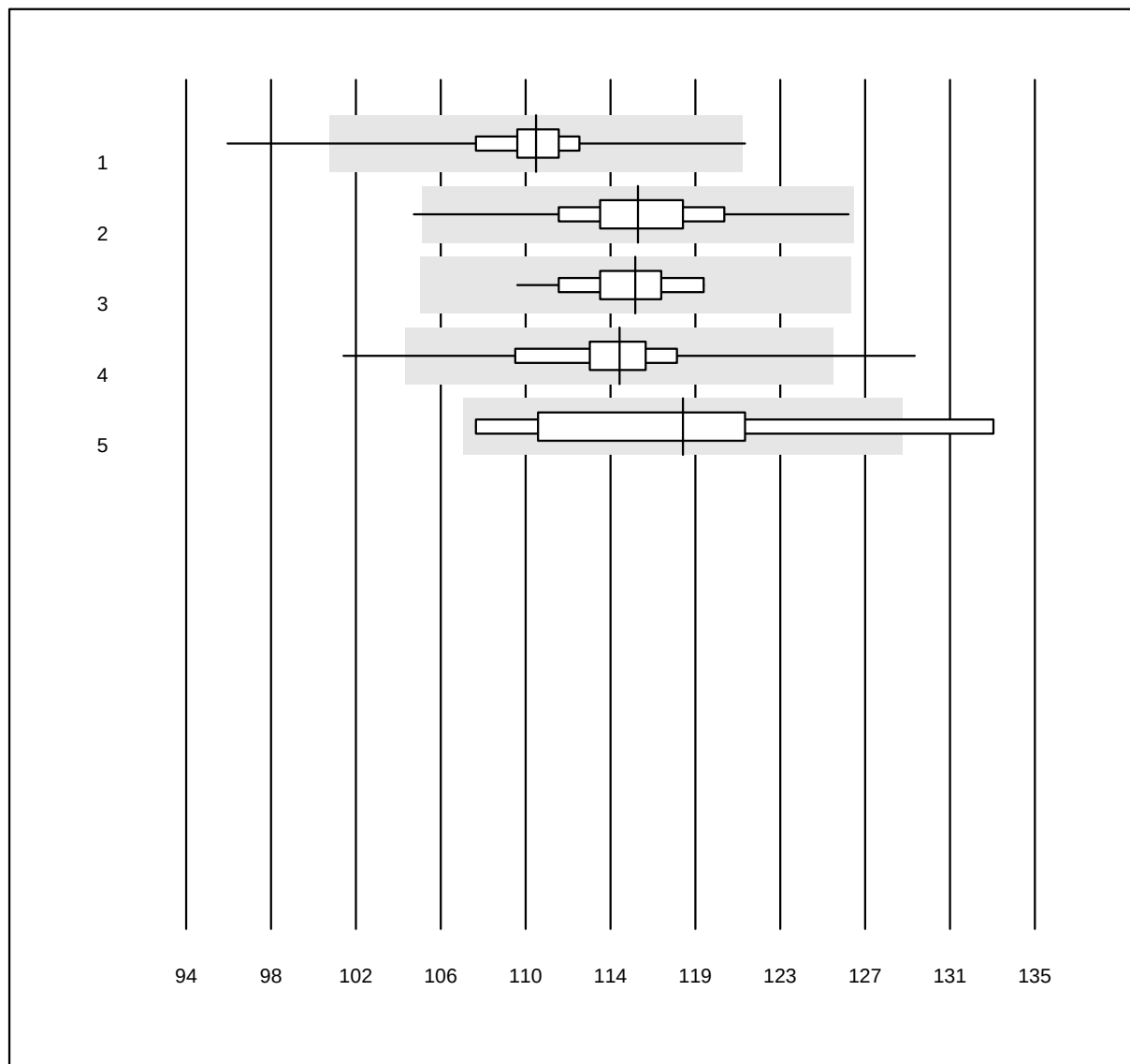
QUALAB Toleranz: 25%

Thrombocytes (G/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex Poch-100i	174	98.3	1.1	0.6	225.1	6.0	e
2 Sysmex XN	58	100.0	0.0	0.0	214.9	5.7	e
3 Sysmex XQ-320	295	99.0	0.3	0.7	217.2	6.6	e
4 Sysmex XP-300	477	98.1	0.4	1.5	233.2	5.9	e
5 Mythic	176	98.3	1.1	0.6	224.8	7.5	e
6 Swelab	14	100.0	0.0	0.0	225.1	7.8	e
7 Micros 60	34	94.1	0.0	5.9	214.6	7.2	e

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

Hemoglobin H2



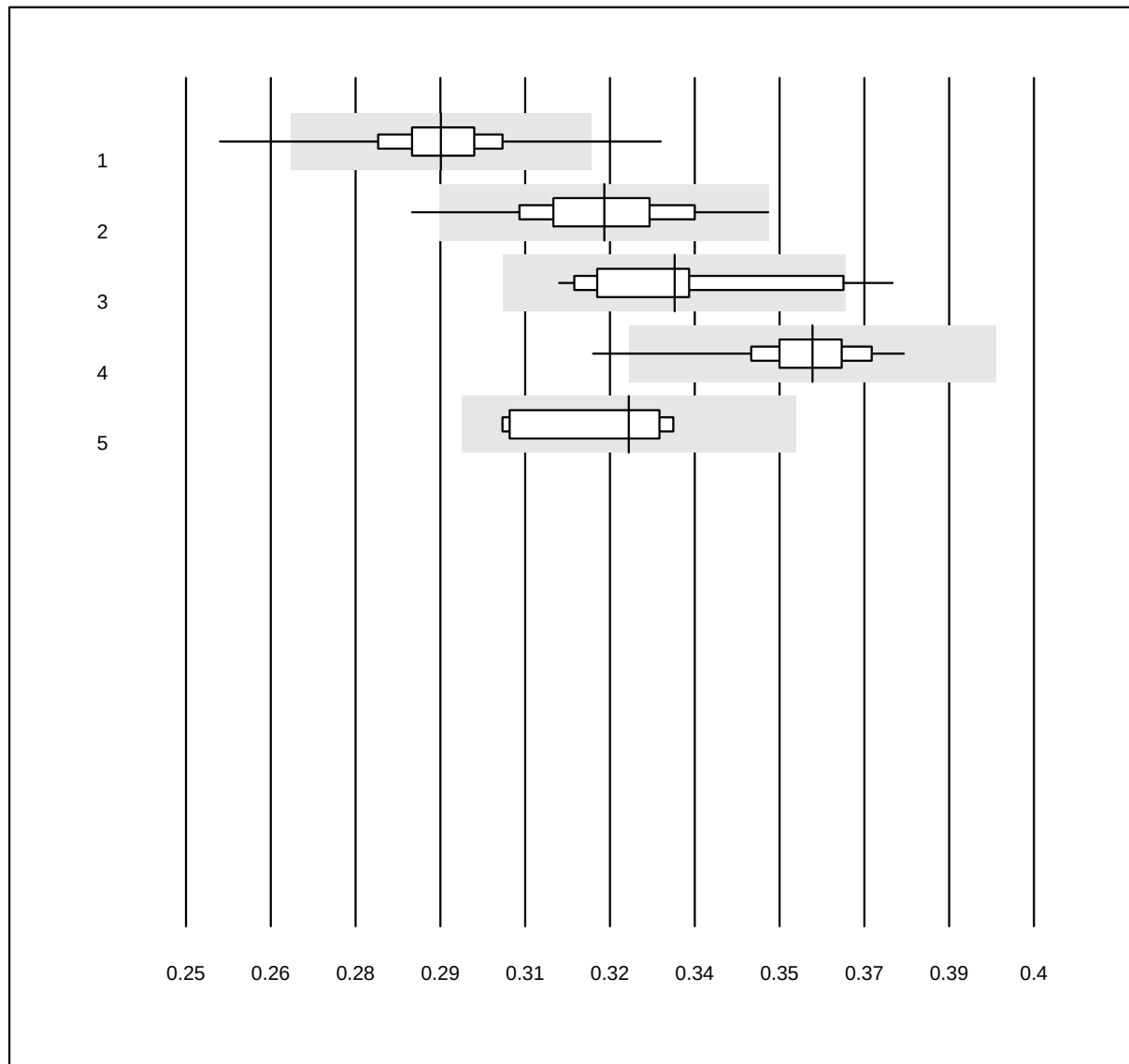
QUALAB Toleranz: 9%

Hemoglobin H2 (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Microsemi	964	95.6	1.7	2.7	110.9	2.4	e
2 Zybio Z3	376	98.1	0.5	1.3	115.8	2.8	e
3 Nihon Kohden	30	93.3	0.0	6.7	115.7	1.9	e
4 MEK-1303/5	101	92.1	5.0	3.0	114.9	3.5	e
5 Dymind DP-H10	9	88.9	11.1	0.0	118.0	6.3	e*

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

Hematocrit H2



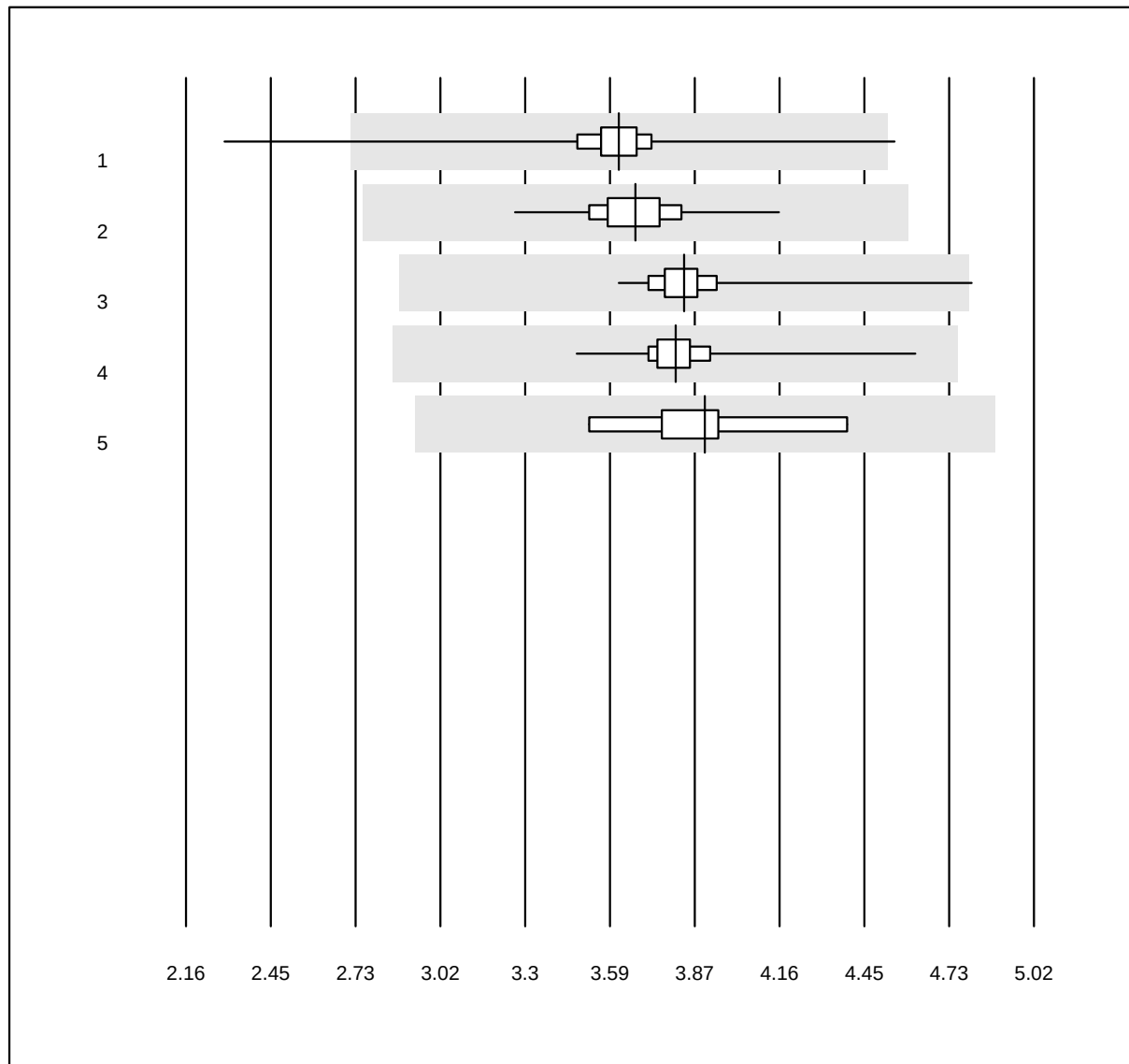
QUALAB Toleranz: 9%

Hematocrit H2 (l/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Microsemi	964	94.8	2.3	2.9	0.30	3.3	e
2 Zybio Z3	377	97.3	0.8	1.9	0.32	3.7	e
3 Nihon Kohden	30	86.7	6.7	6.7	0.34	5.2	e
4 MEK-1303/5	100	95.0	1.0	4.0	0.36	2.4	e
5 Dymind DP-H10	9	88.9	0.0	11.1	0.33	4.0	e*

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

Erythrocytes H2



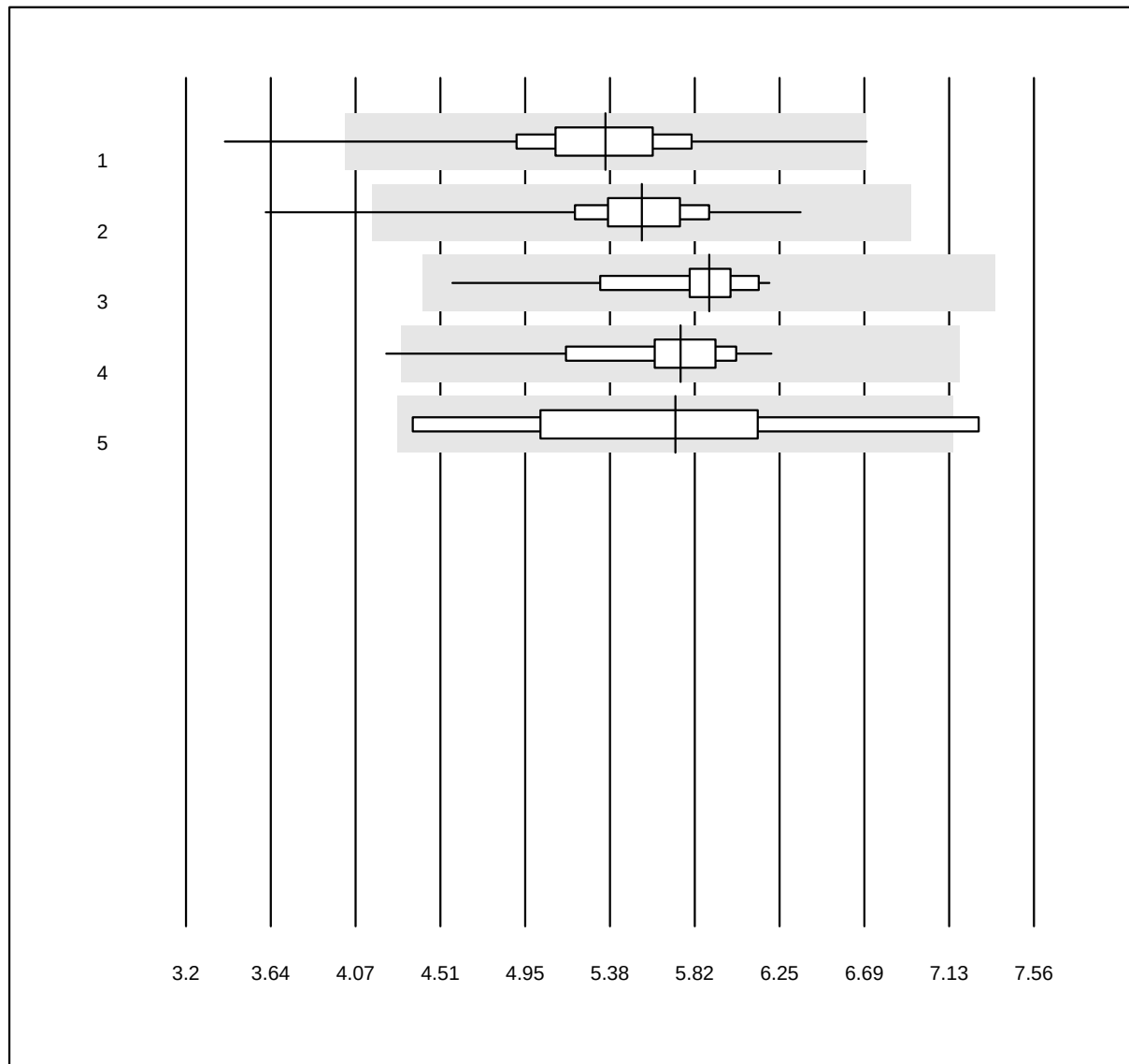
QUALAB Toleranz: 25%

Erythrocytes H2 (T/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Microsemi	964	97.9	1.0	1.0	3.62	4.6	e
2 Zybio Z3	377	97.6	0.0	2.4	3.68	3.4	e
3 Nihon Kohden	30	93.3	3.3	3.3	3.84	5.2	e
4 MEK-1303/5	100	100.0	0.0	0.0	3.81	4.4	e
5 Dymind DP-H10	9	100.0	0.0	0.0	3.91	6.0	e

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

Leucocytes H2



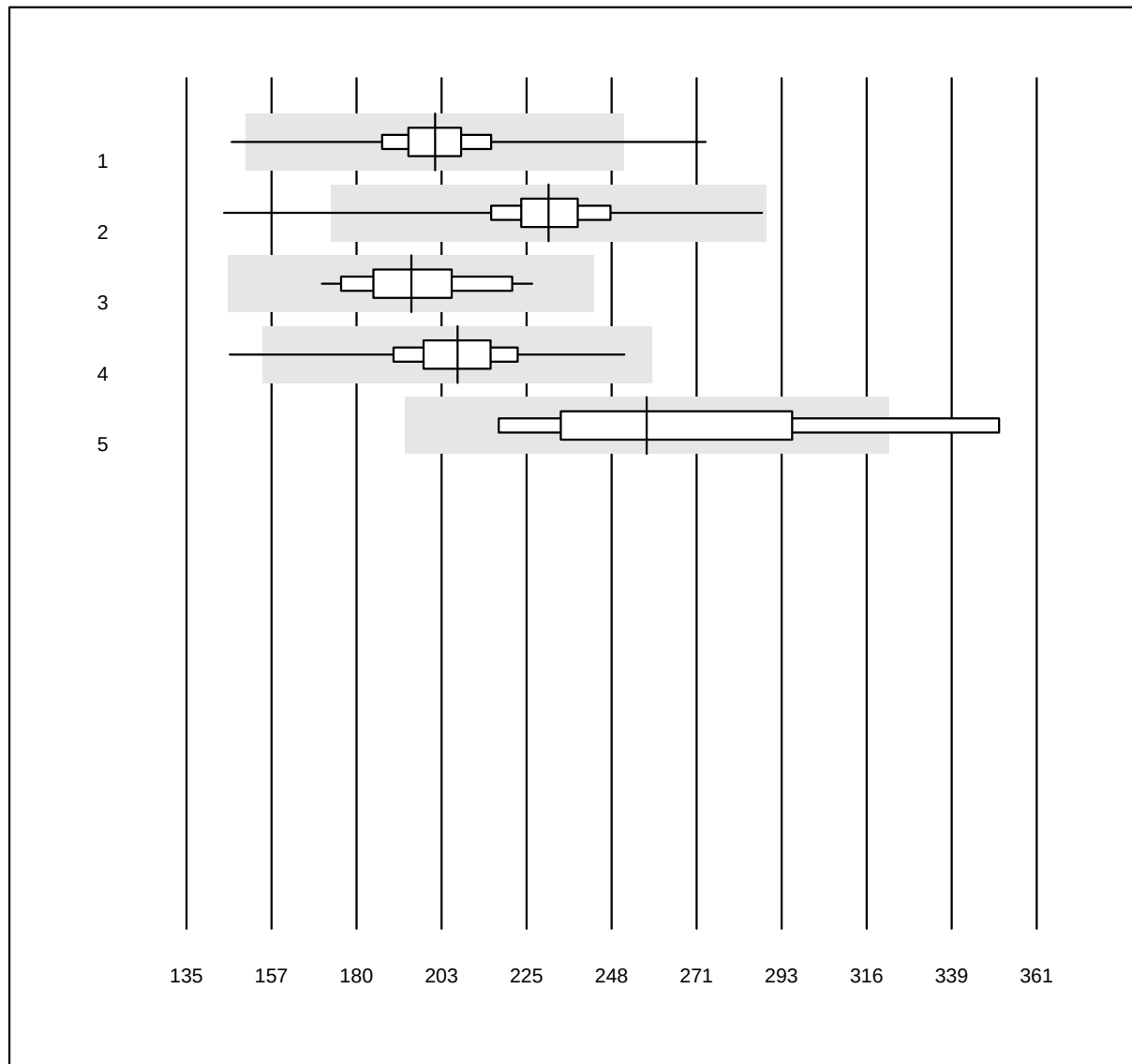
QUALAB Toleranz: 25%

Leucocytes H2 (G/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Microsemi	964	99.0	0.8	0.2	5.36	6.9	e
2 Zybio Z3	377	97.9	0.5	1.6	5.54	5.8	e
3 Nihon Kohden	30	100.0	0.0	0.0	5.89	6.6	e
4 MEK-1303/5	101	98.0	1.0	1.0	5.74	6.2	e
5 Dymind DP-H10	9	77.8	11.1	11.1	5.72	14.8	e*

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

Thrombocytes H2



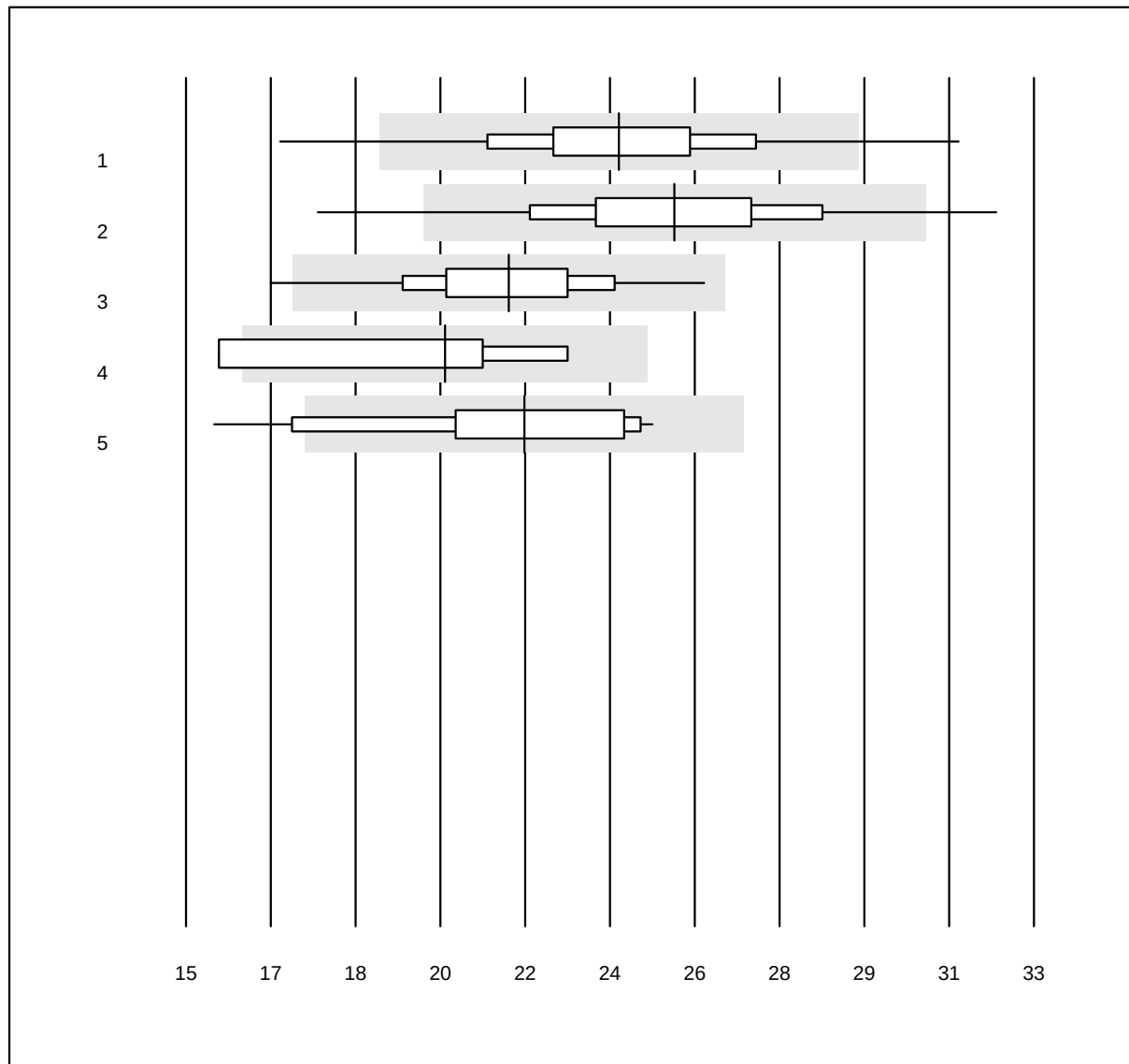
QUALAB Toleranz: 25%

Thrombocytes H2 (G/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Microsemi	964	98.8	0.6	0.6	201.1	6.5	e
2 Zybio Z3	377	98.4	0.3	1.3	231.3	6.1	e
3 Nihon Kohden	30	100.0	0.0	0.0	194.8	8.0	e
4 MEK-1303/5	99	96.0	1.0	3.0	207.1	7.1	e
5 Dymind DP-H10	9	88.9	11.1	0.0	257.3	16.4	e*

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

CRP H2



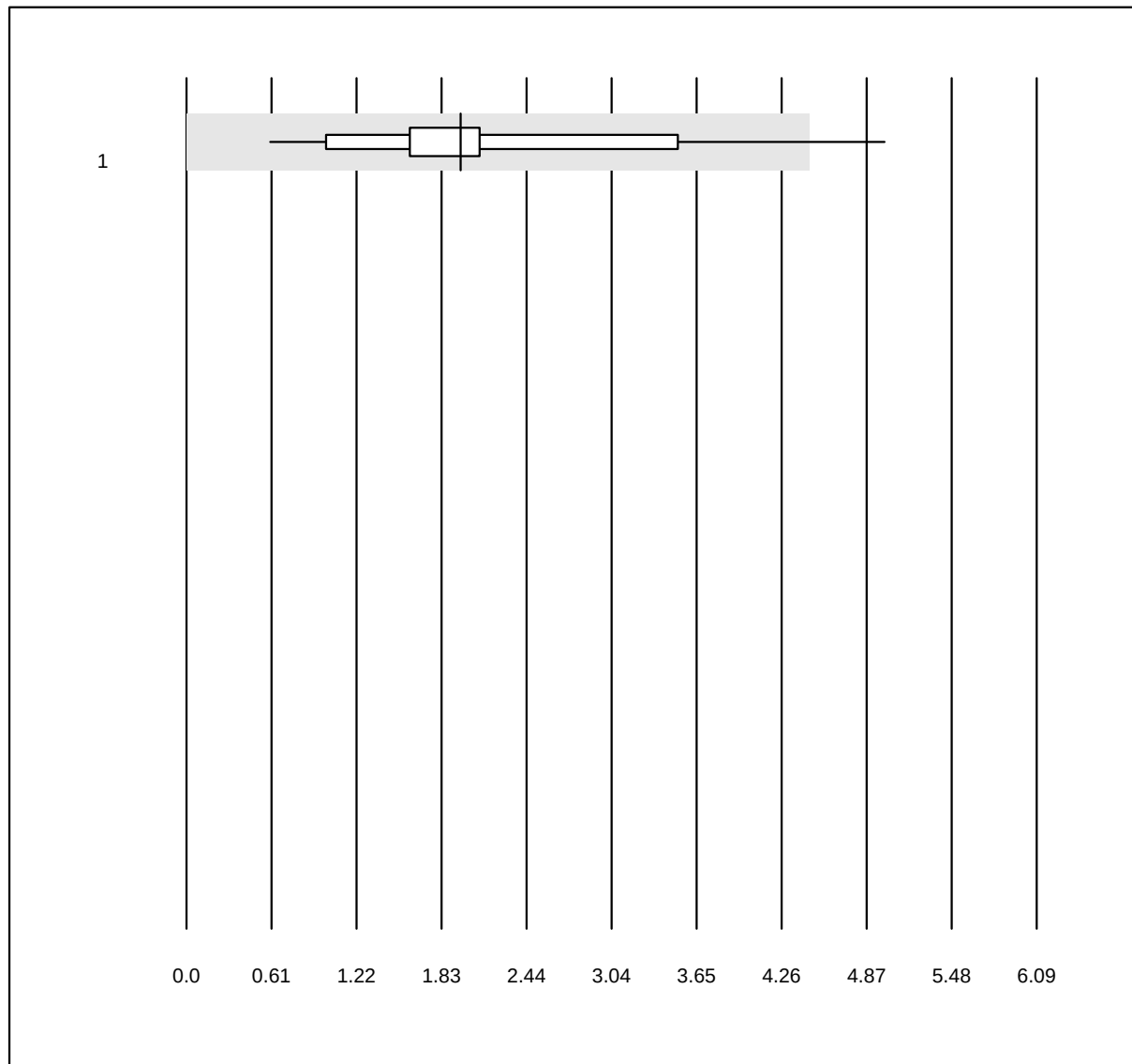
QUALAB Toleranz: 21%

CRP H2 (mg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Microsemi	951	95.3	2.9	1.8	24.2	9.4	e
2 Zybio Z3	352	95.5	3.4	1.1	25.4	9.6	e
3 MEK-1303/5	89	97.8	1.1	1.1	21.9	8.2	e
4 Dymind DP-H10	8	62.5	25.0	12.5	20.5	14.2	e*
5 Celltac chemi	14	92.9	7.1	0.0	22.2	12.0	e*

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

Blood parasites

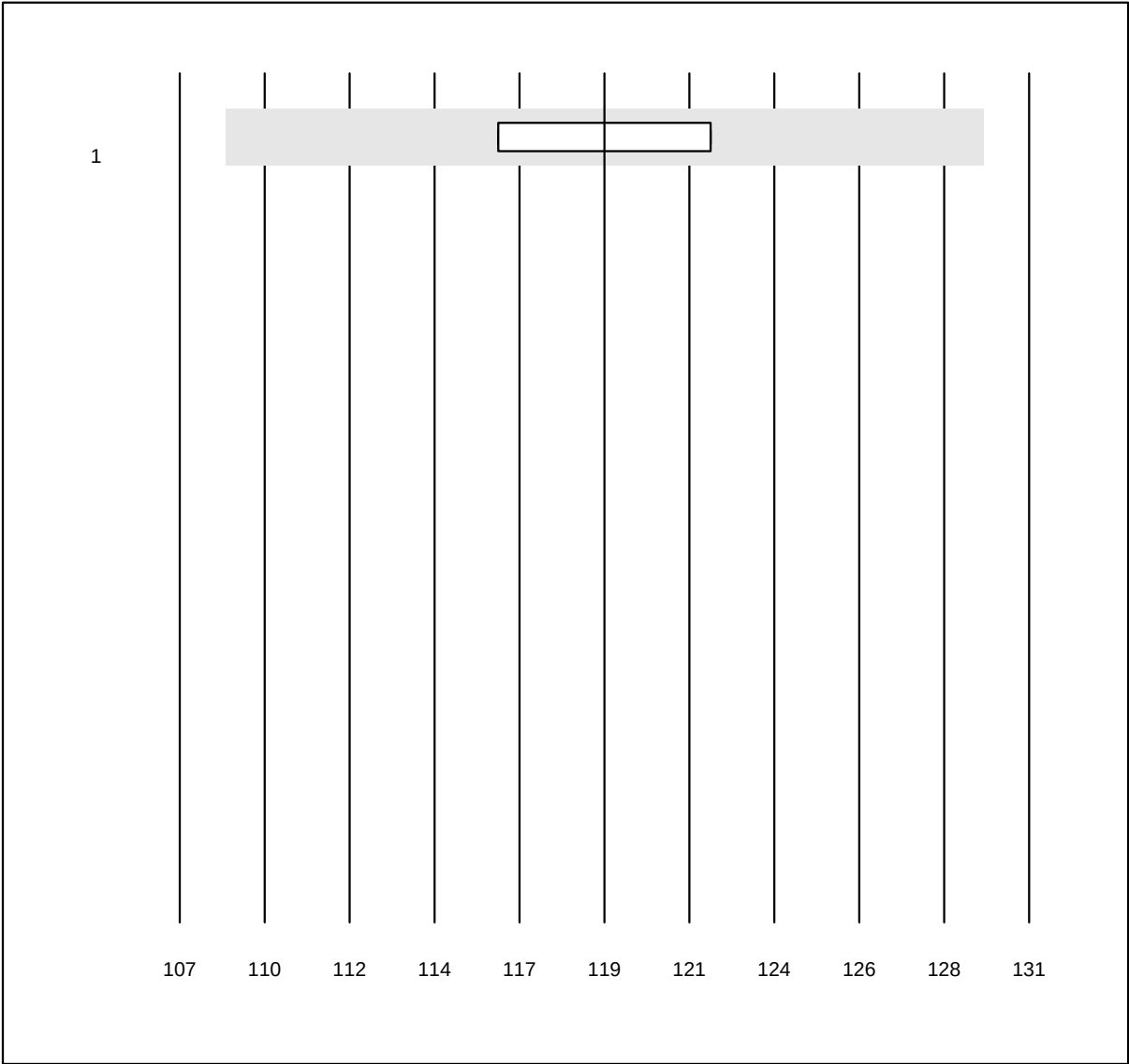


QUALAB Toleranz: 100%
(< 5.0: +/- 2.5 %)

Blood parasites (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Parasitaemia	27	96.3	3.7	0.0	2.0	45.6	e

Hemoglobin BG

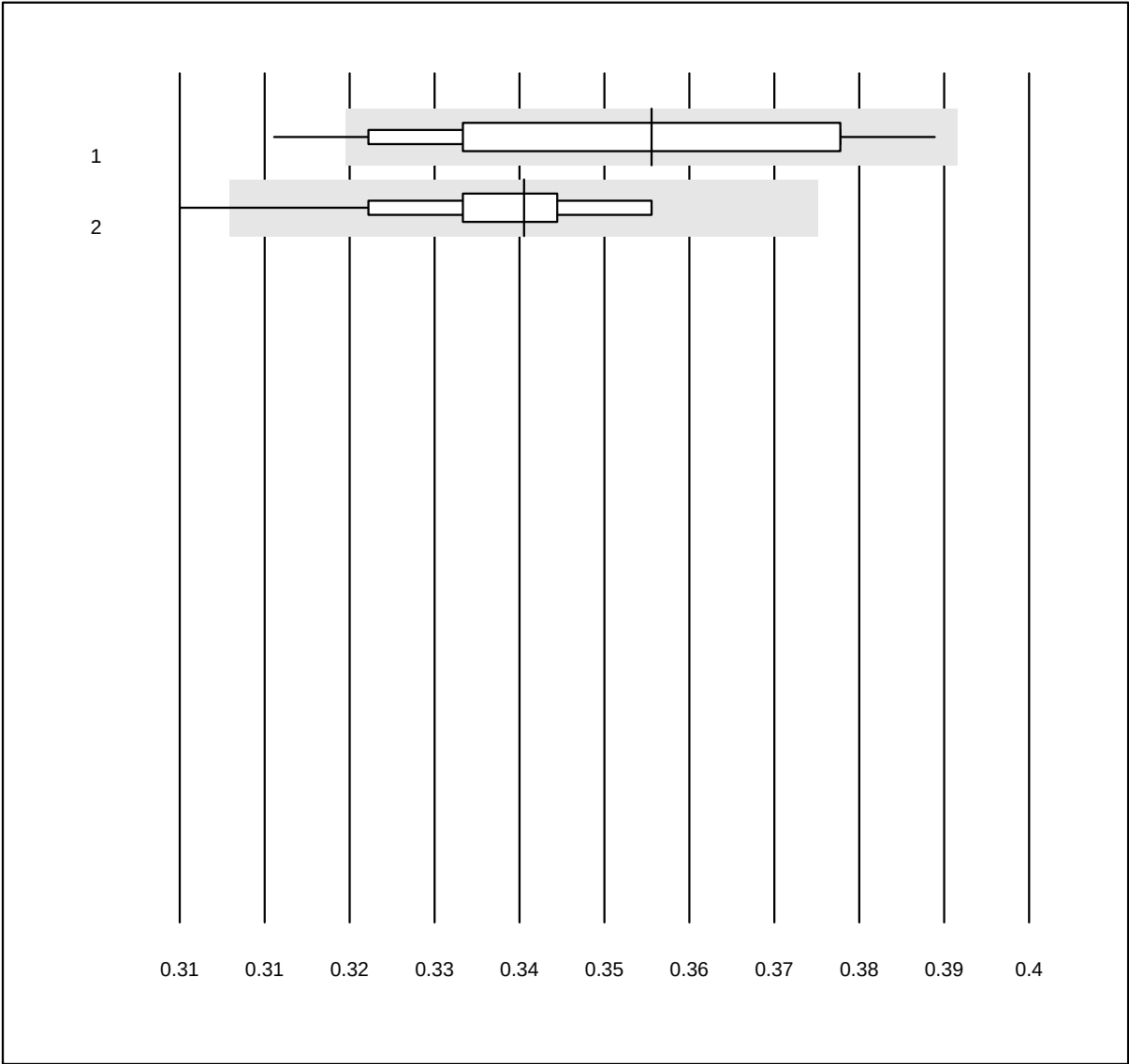


QUALAB Toleranz: 9%

Hemoglobin BG (g/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	iStat	15	100.0	0.0	0.0	119.0	1.9	e

Hematocrit

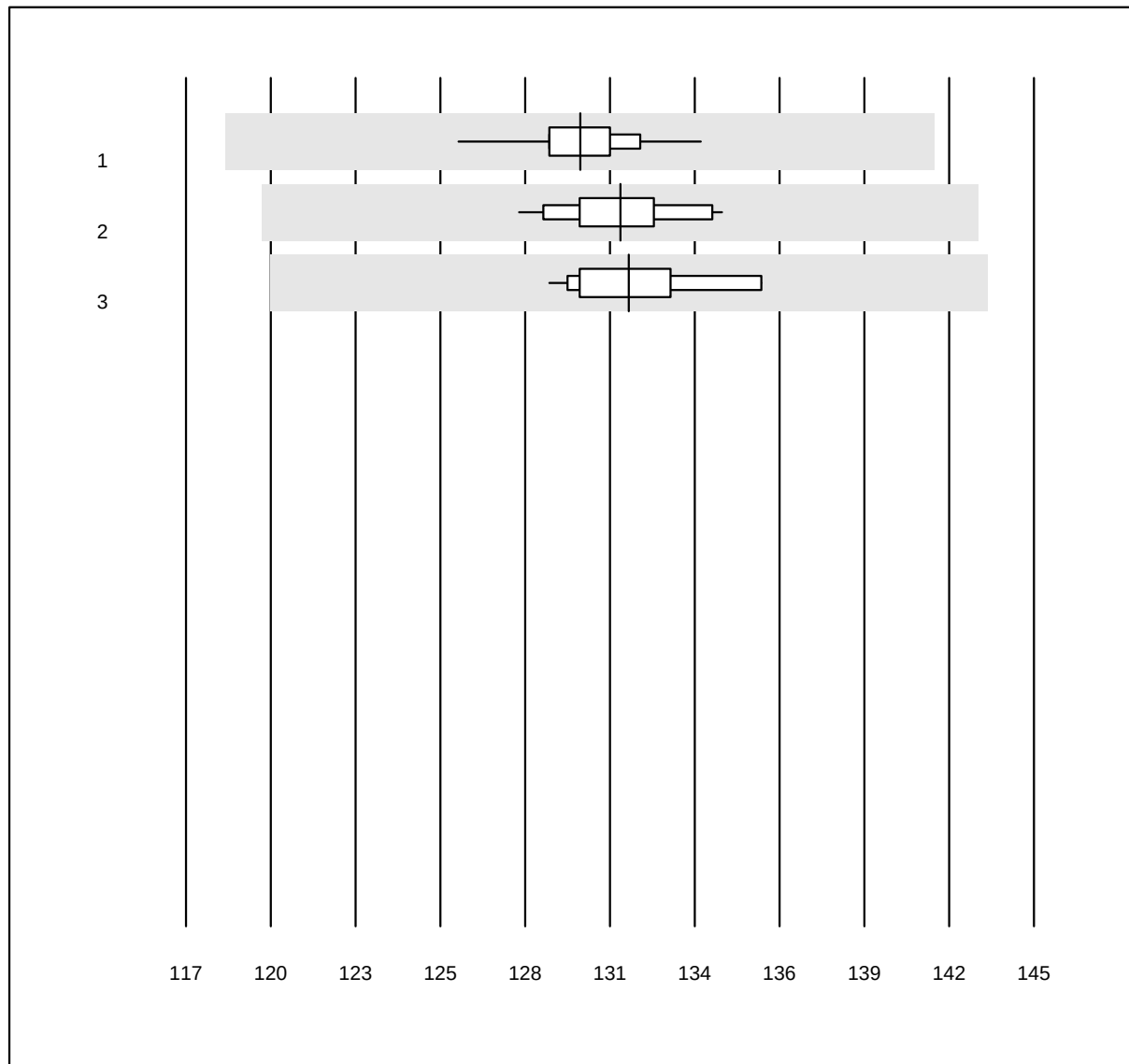


QUALAB Toleranz: 9%

Hematocrit (l/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 EPOC	22	95.5	4.5	0.0	0.36	6.3	a*
2 iStat	20	95.0	5.0	0.0	0.35	3.6	e

Hemoglobin

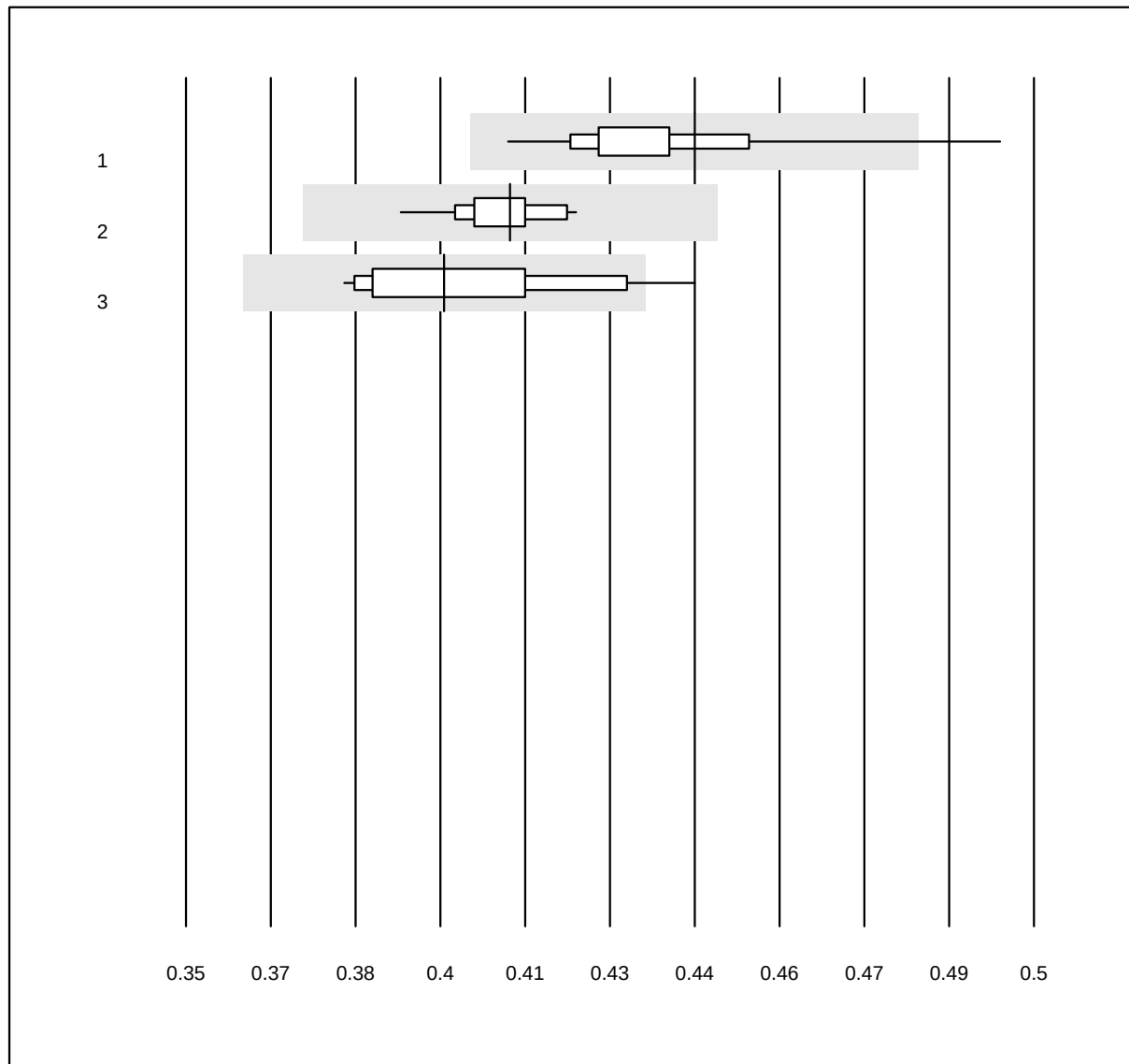


QUALAB Toleranz: 9%

Hemoglobin (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex	142	99.3	0.0	0.7	130.0	0.9	e
2 Beckman	17	100.0	0.0	0.0	131.3	1.4	e
3 Yumizen/Pentra	15	100.0	0.0	0.0	131.6	1.6	e

Hematocrit

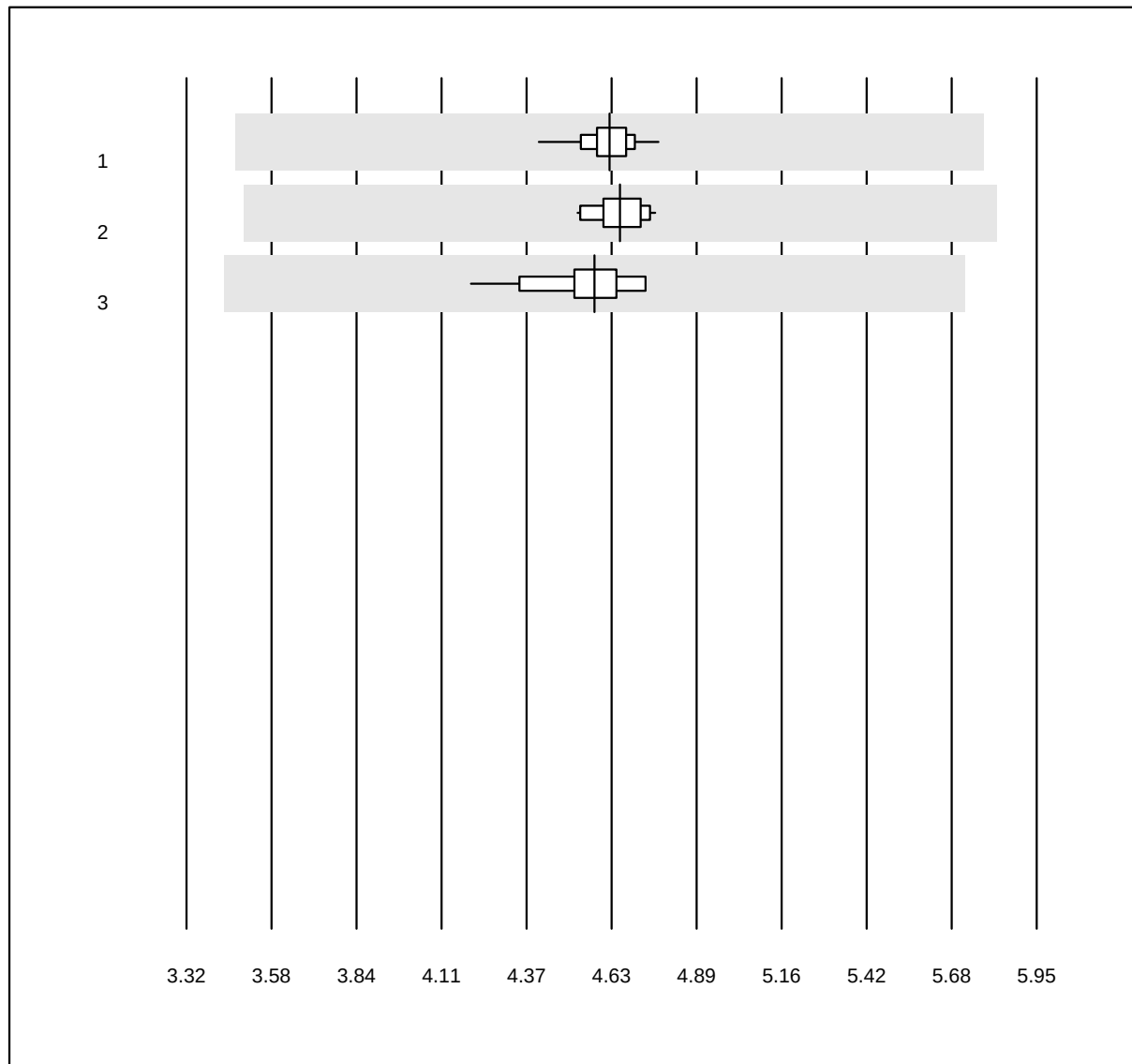


QUALAB Toleranz: 9%

Hematocrit (l/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex	142	97.9	1.4	0.7	0.44	3.3	a
2 Beckman	17	100.0	0.0	0.0	0.41	1.8	e
3 Yumizen/Pentra	15	93.3	6.7	0.0	0.40	4.3	e*

Erythrocytes

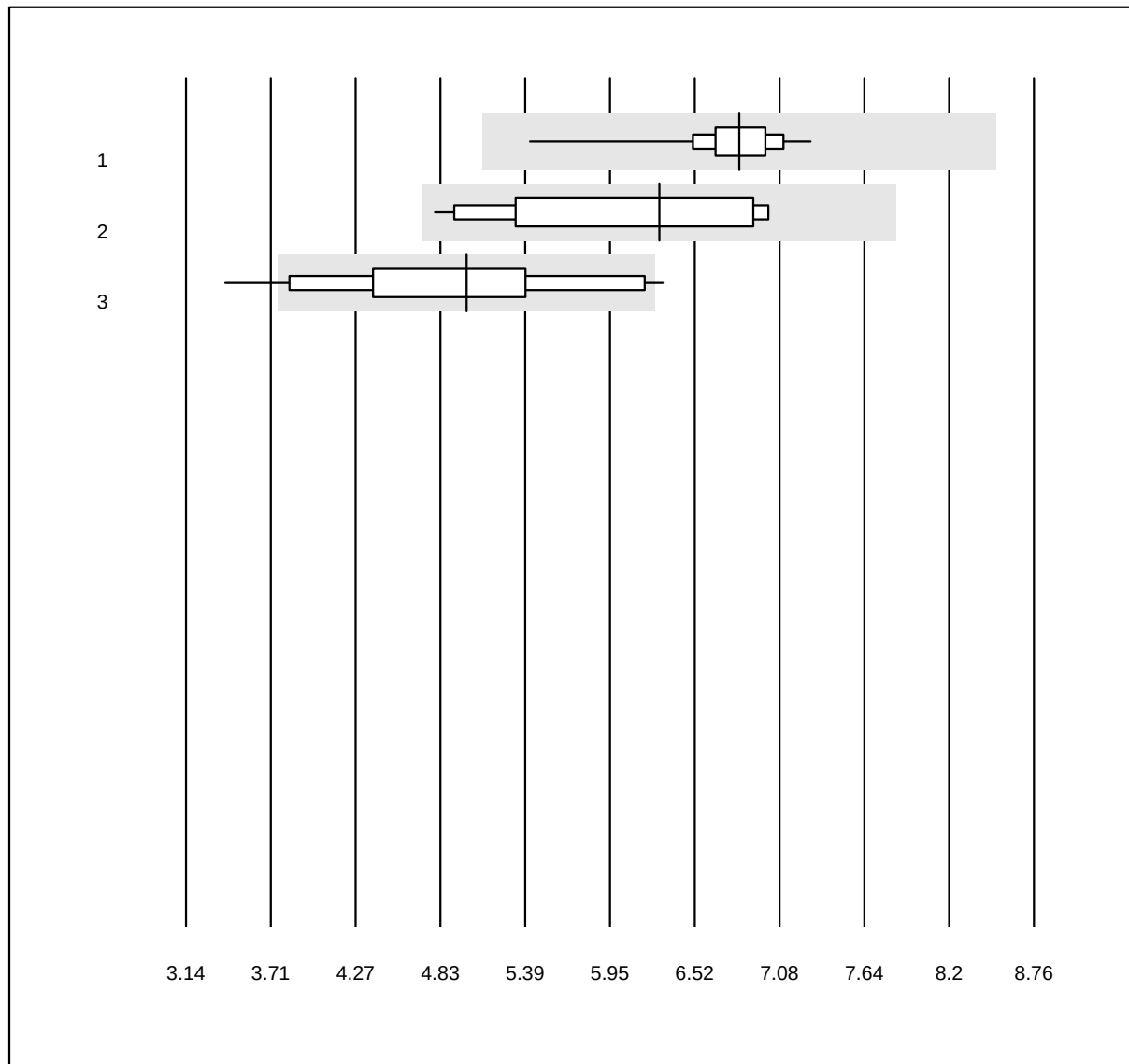


QUALAB Toleranz: 25%

Erythrocytes (T/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex	142	100.0	0.0	0.0	4.63	1.4	e
2 Beckman	17	100.0	0.0	0.0	4.66	1.6	e
3 Yumizen/Pentra	15	100.0	0.0	0.0	4.58	3.0	e

Leucocytes

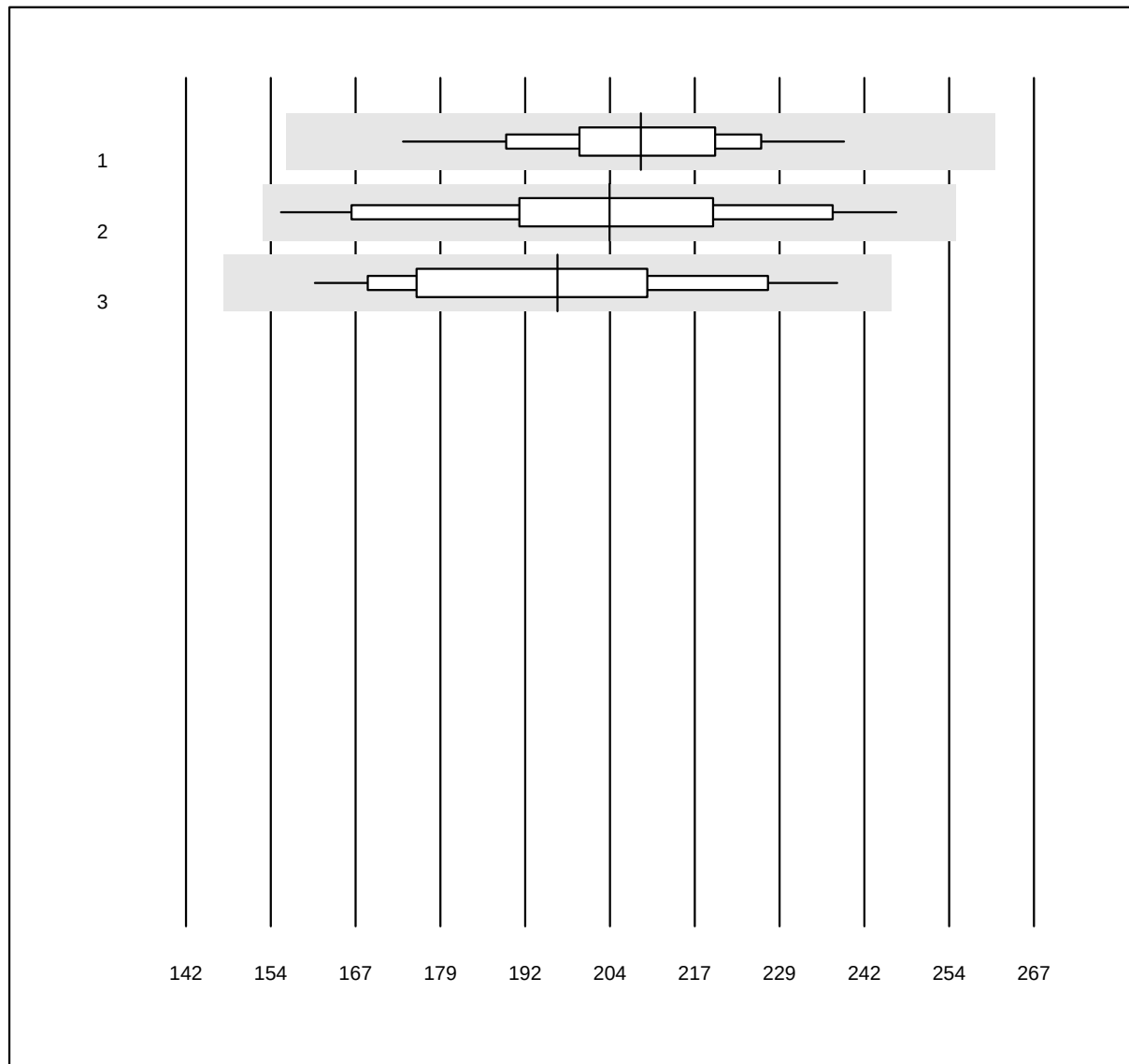


QUALAB Toleranz: 25%

Leucocytes (G/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex	141	100.0	0.0	0.0	6.81	4.0	e
2 Beckman	17	100.0	0.0	0.0	6.28	12.5	e*
3 Yumizen/Pentra	16	81.2	12.5	6.2	5.00	15.5	a*

Thrombocytes

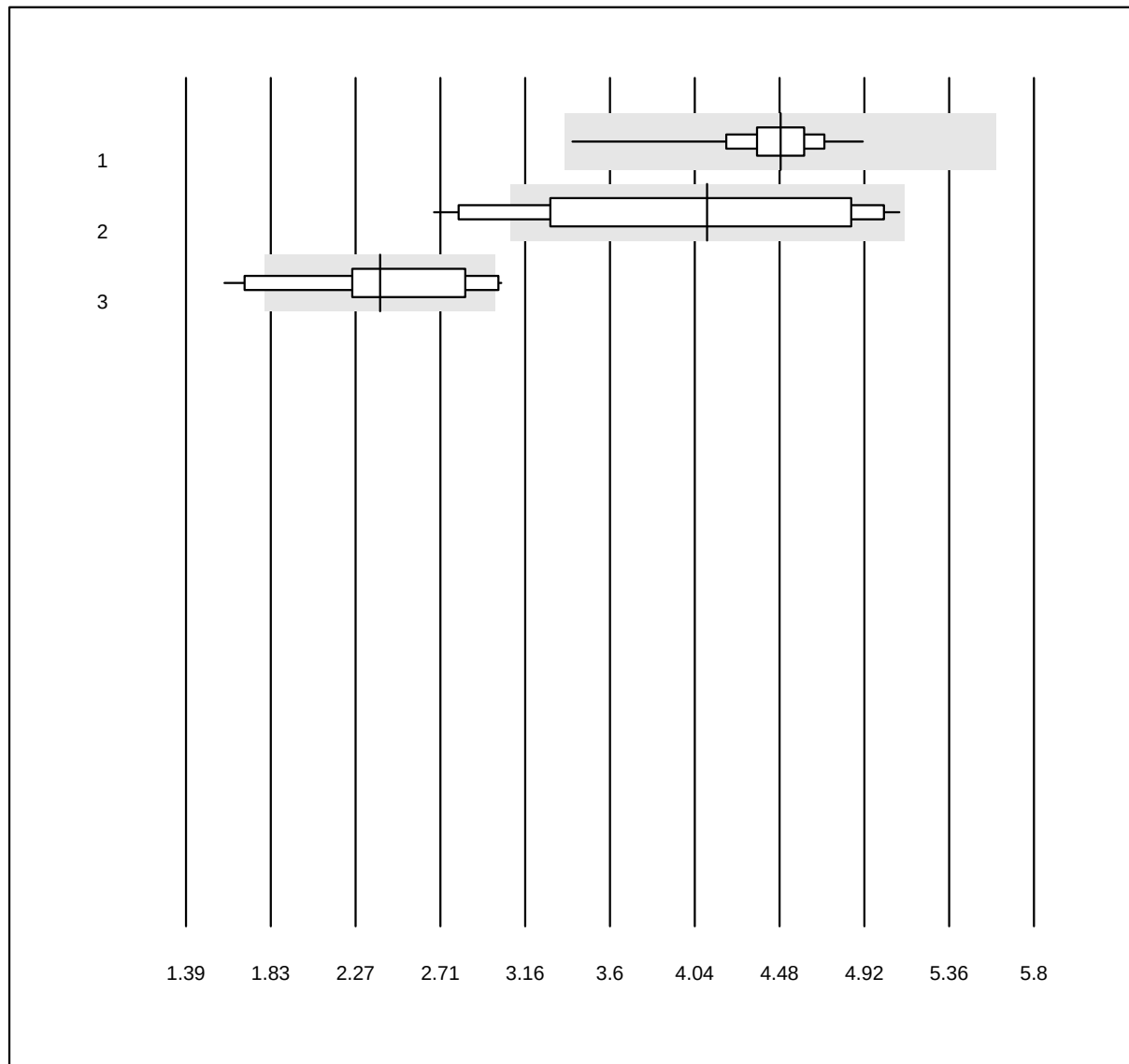


QUALAB Toleranz: 25%

Thrombocytes (G/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex	141	100.0	0.0	0.0	209.1	6.8	e
2 Beckman	17	100.0	0.0	0.0	204.4	11.5	e
3 Yumizen/Pentra	15	100.0	0.0	0.0	196.8	10.5	e

Neutrophils

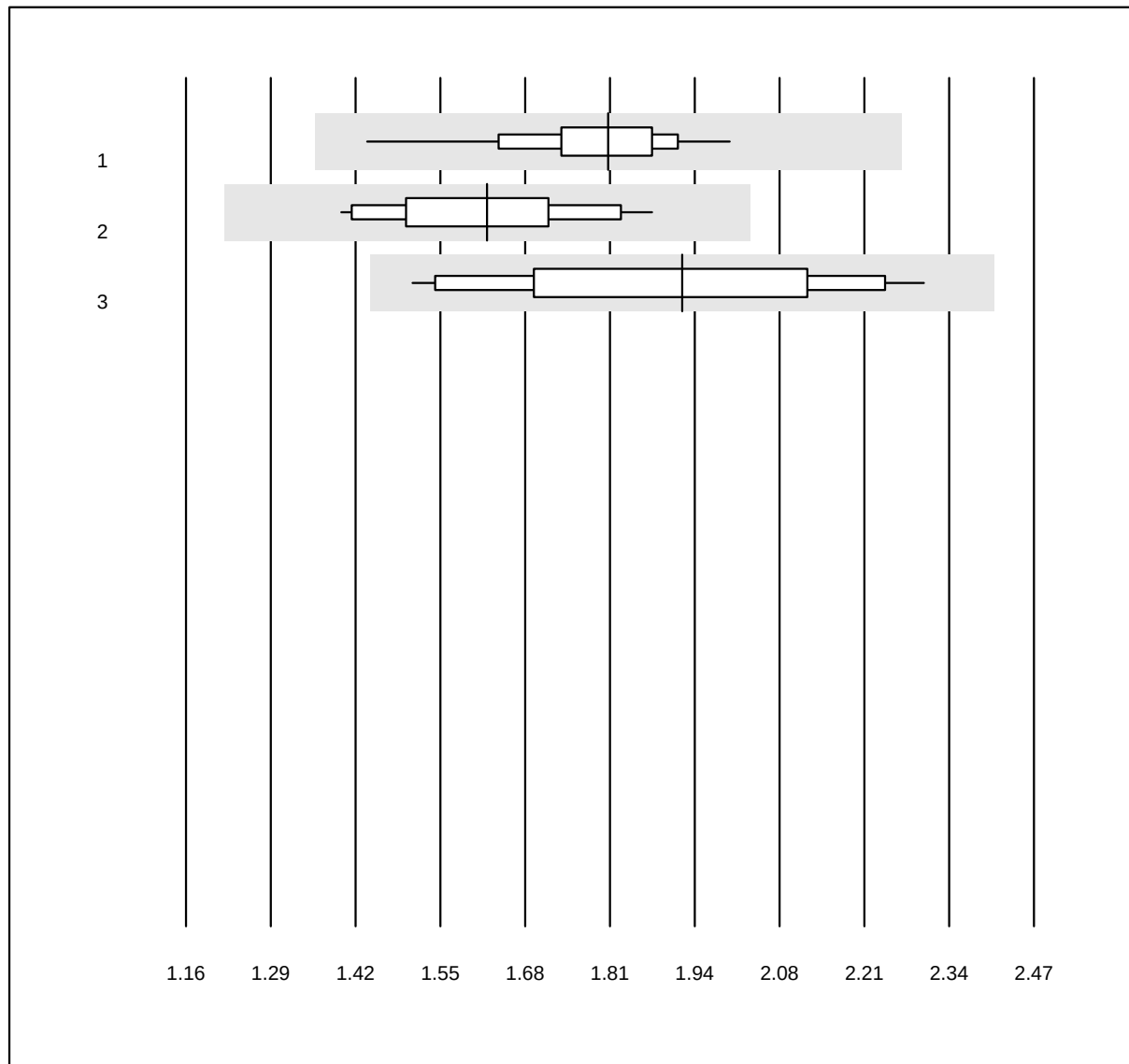


MQ Toleranz: 25%

Neutrophils (G/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex	142	100.0	0.0	0.0	4.48	5.5	e
2 Beckman	17	88.2	11.8	0.0	4.10	19.6	a*
3 Yumizen/Pentra	15	73.3	20.0	6.7	2.40	17.5	e*

Lymphocytes

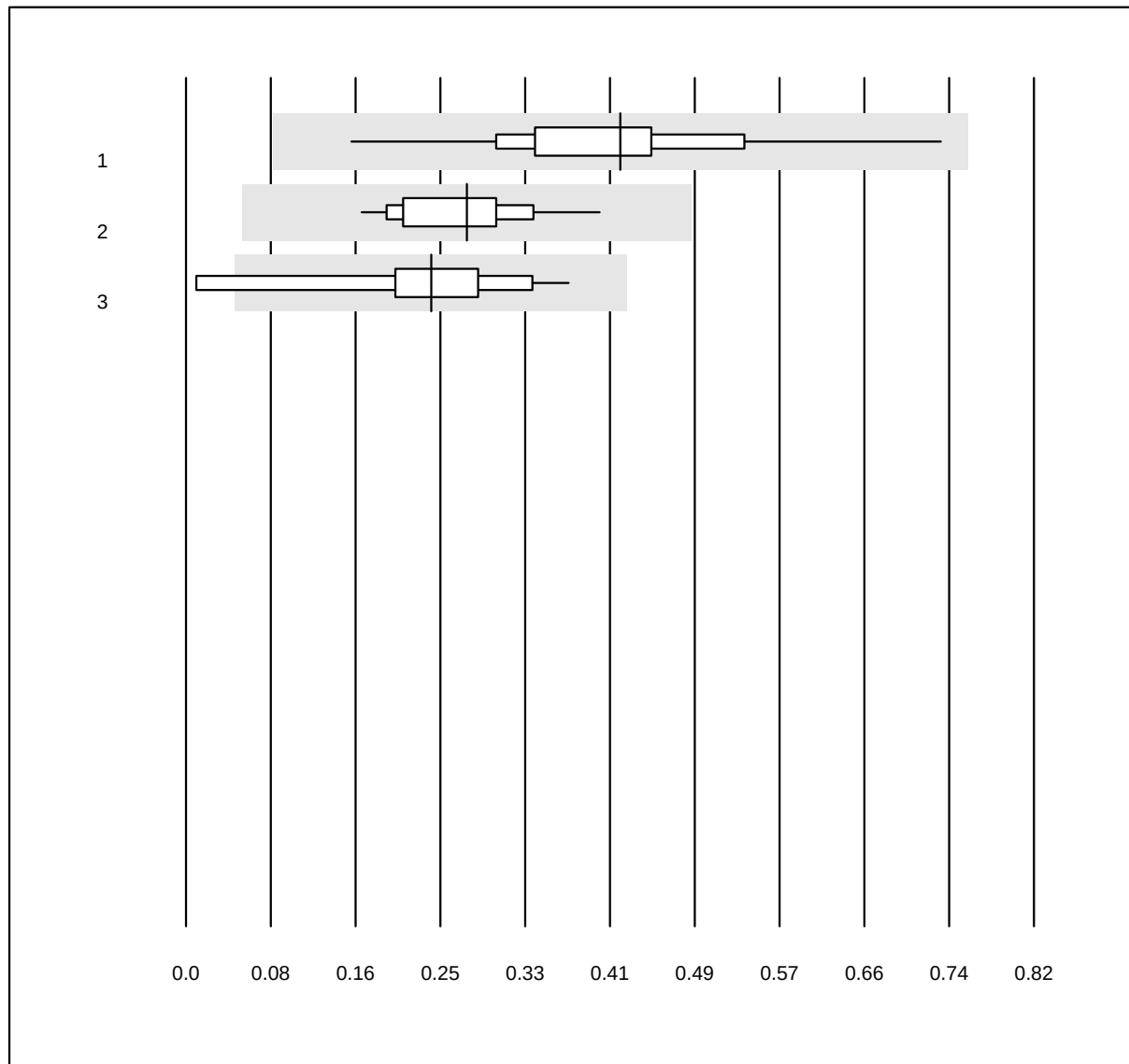


MQ Toleranz: 25%

Lymphocytes (G/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Sysmex	142	100.0	0.0	0.0	1.81	6.0	e
2	Beckman	17	100.0	0.0	0.0	1.63	8.8	e
3	Yumizen/Pentra	15	93.3	0.0	6.7	1.93	12.9	e*

Monocytes

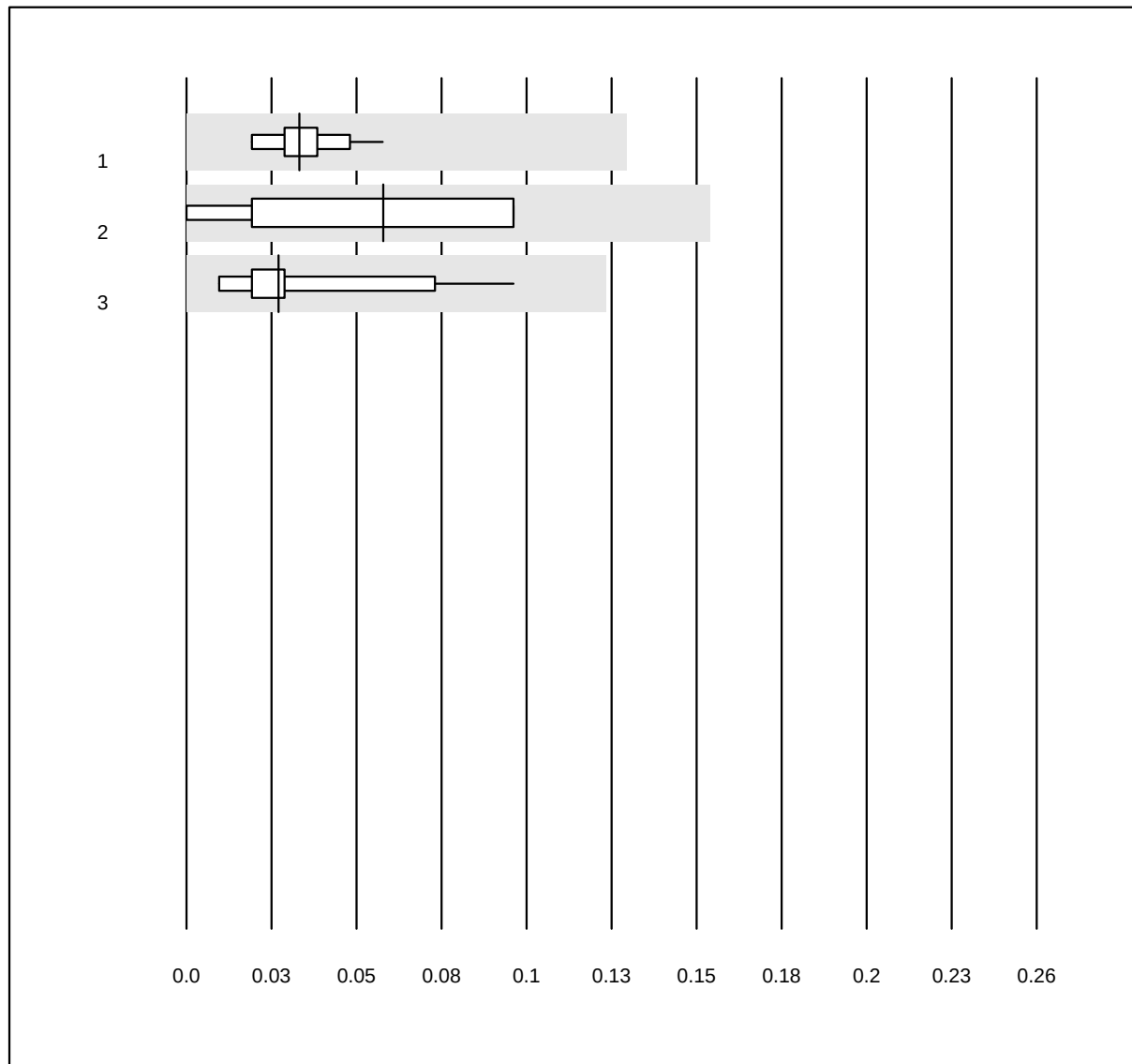


MQ Toleranz: 80%

Monocytes (G/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Sysmex	142	100.0	0.0	0.0	0.42	24.4	a
2	Beckman	17	100.0	0.0	0.0	0.27	21.8	e
3	Yumizen/Pentra	14	85.7	14.3	0.0	0.24	46.2	e*

Eosinophils

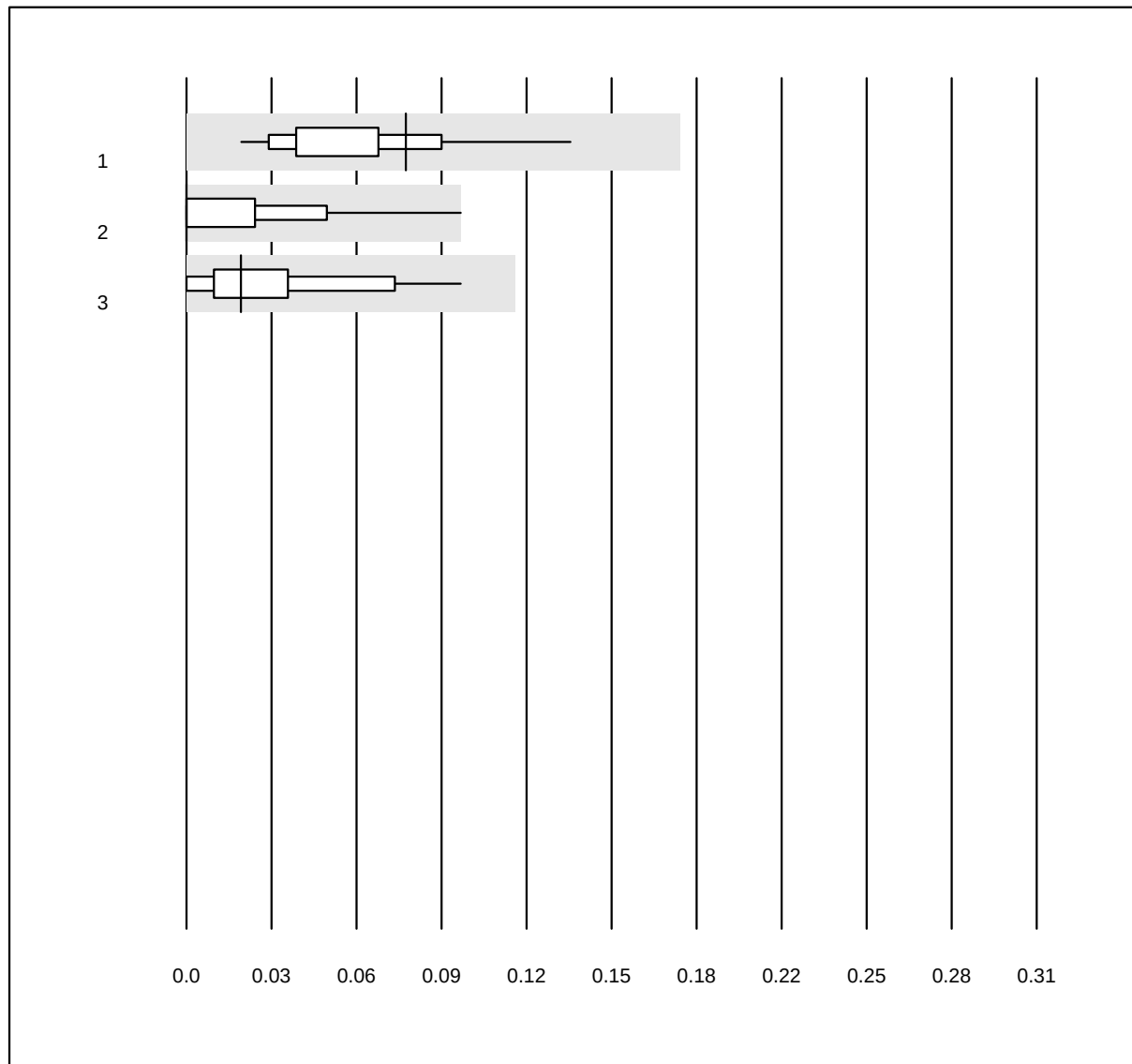


MQ Toleranz: 80%
(< 0.13: +/- 0.1 G/l)

Eosinophils (G/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Sysmex	139	99.3	0.0	0.7	0.03	31.0	e
2	Beckman	17	100.0	0.0	0.0	0.06	65.8	e
3	Yumizen/Pentra	15	100.0	0.0	0.0	0.03	72.0	e

Basophiles

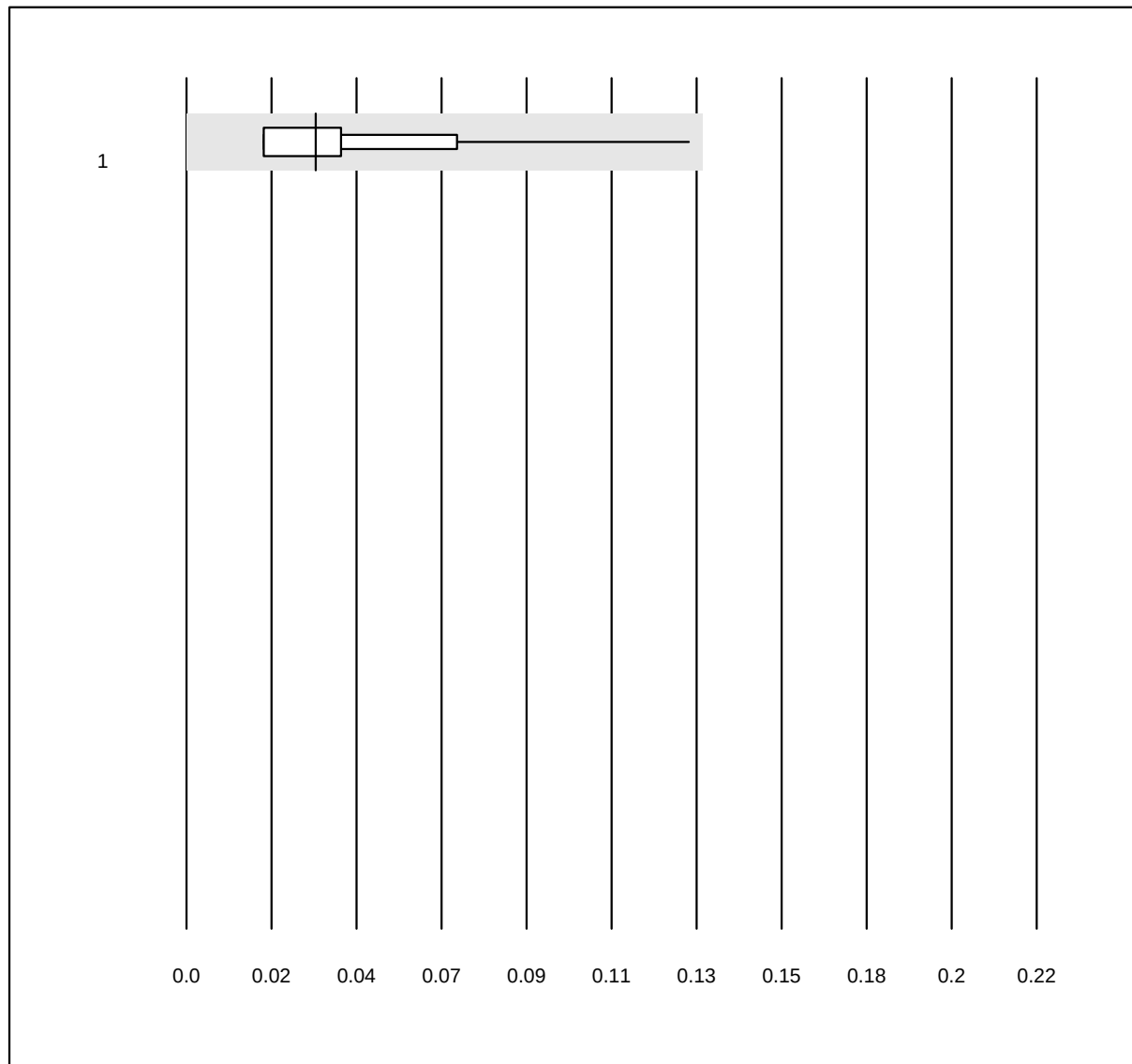


MQ Toleranz: 80%
(< 0.13: +/- 0.1 G/l)

Basophiles (G/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex	139	97.8	0.0	2.2	0.08	46.0	a
2 Beckman	17	100.0	0.0	0.0	0.00	172.3	e
3 Yumizen/Pentra	15	100.0	0.0	0.0	0.02	114.9	e

Immature Granulocytes

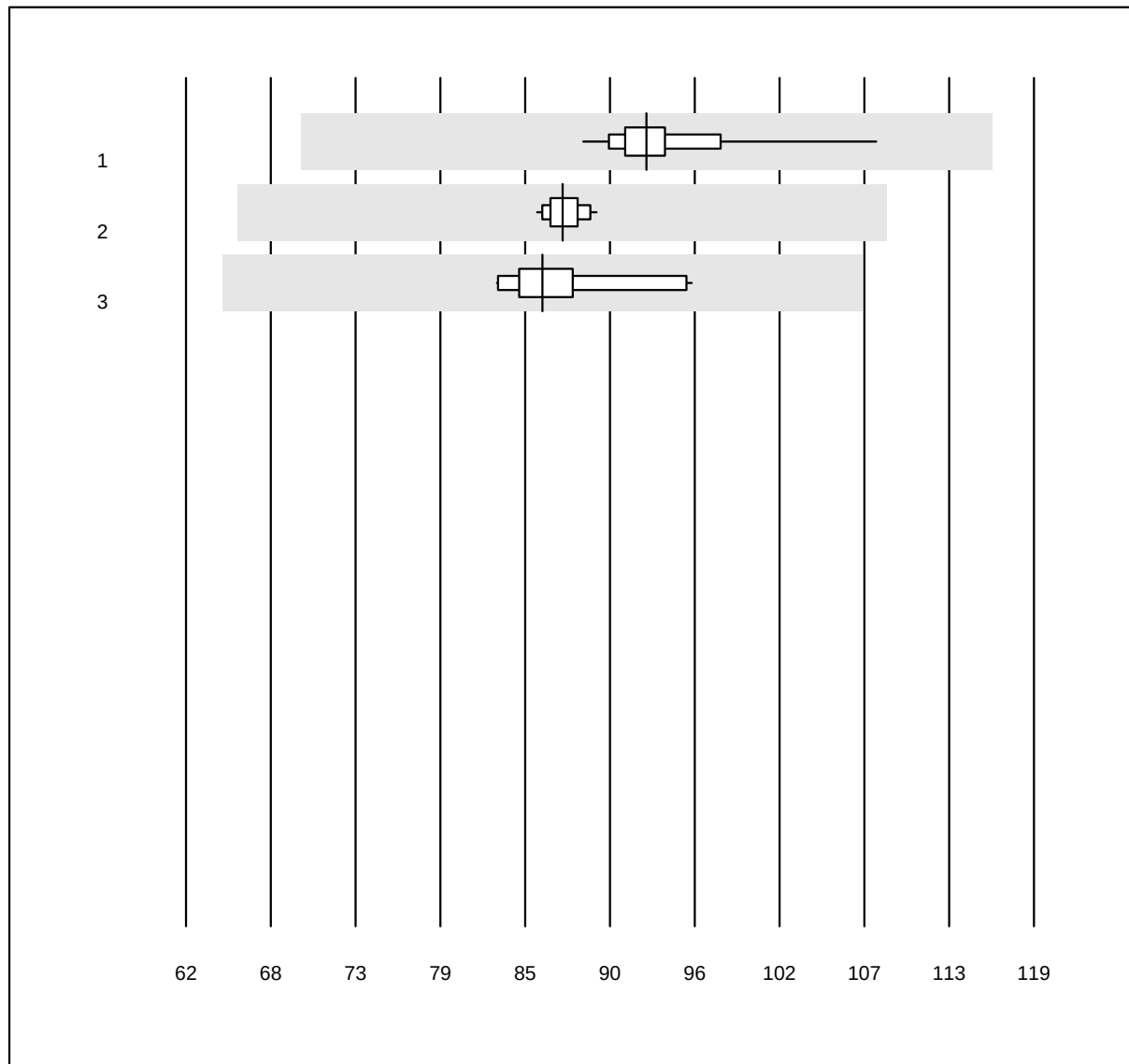


MQ Toleranz: 25%
(< 1.3: +/- 0.1 G/l)

Immature Granulocytes
(G/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex	128	99.2	0.0	0.8	0.03	57.0	e

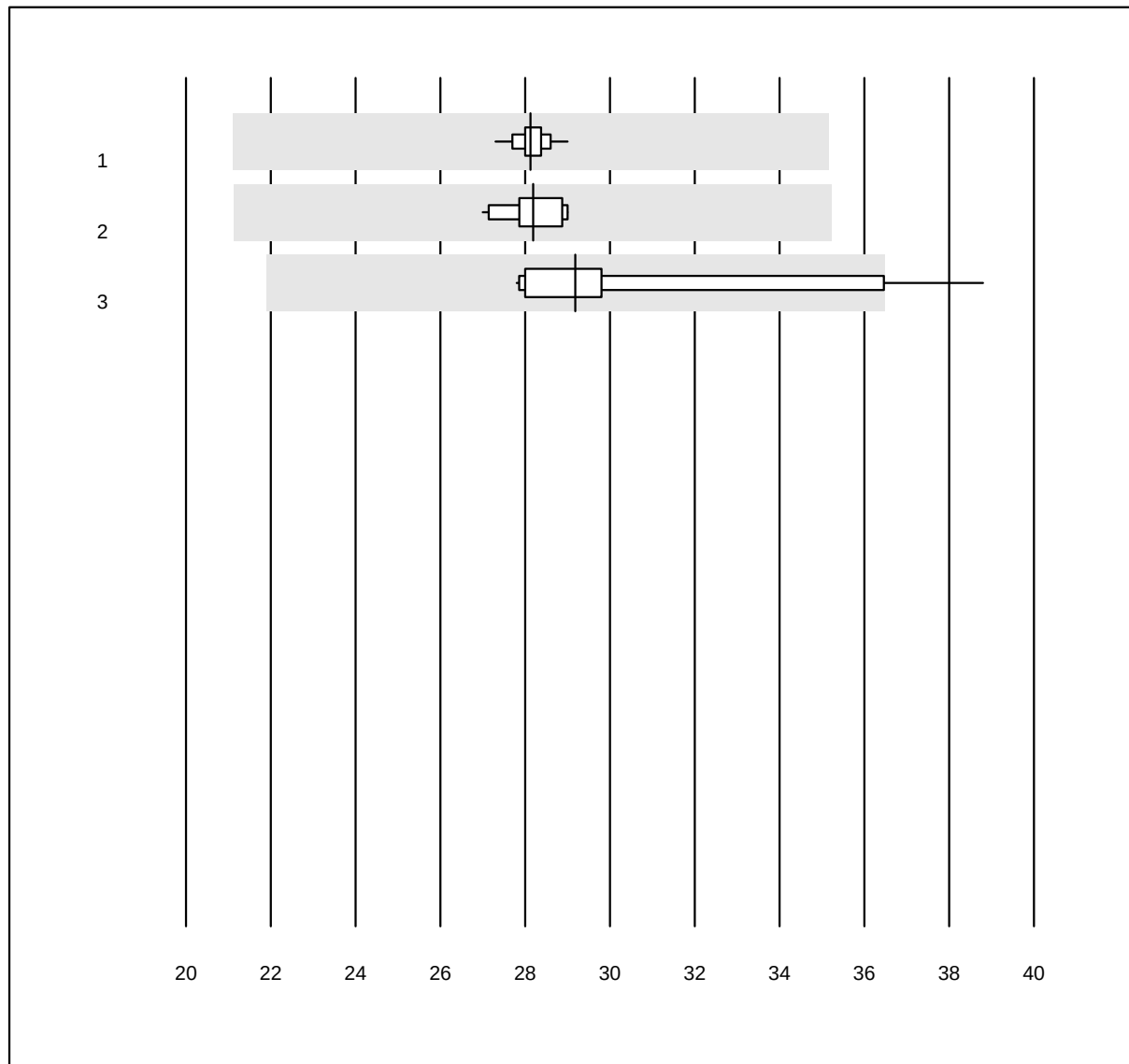
MCV



MQ Toleranz: 25%

MCV (fl)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Sysmex	132	100.0	0.0	0.0	93.0	3.6	e
2	Beckman	16	100.0	0.0	0.0	87.3	1.3	e
3	Yumizen/Pentra	11	100.0	0.0	0.0	86.0	4.9	e

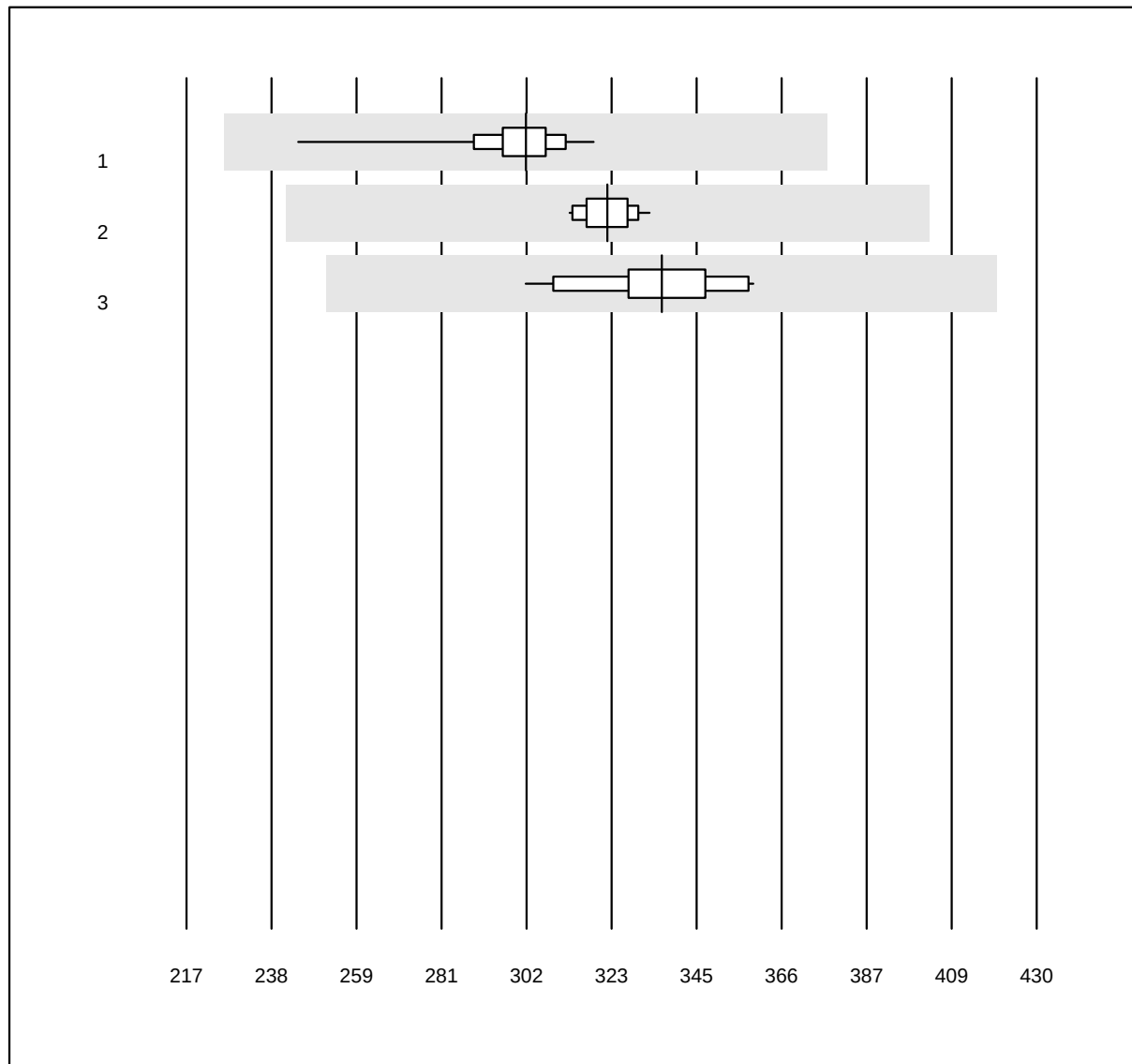
MCH

MQ Toleranz: 25%

MCH (pg)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex	132	100.0	0.0	0.0	28.1	1.3	e
2 Beckman	16	100.0	0.0	0.0	28.2	2.2	e
3 Yumizen/Pentra	12	91.7	8.3	0.0	29.2	10.0	e

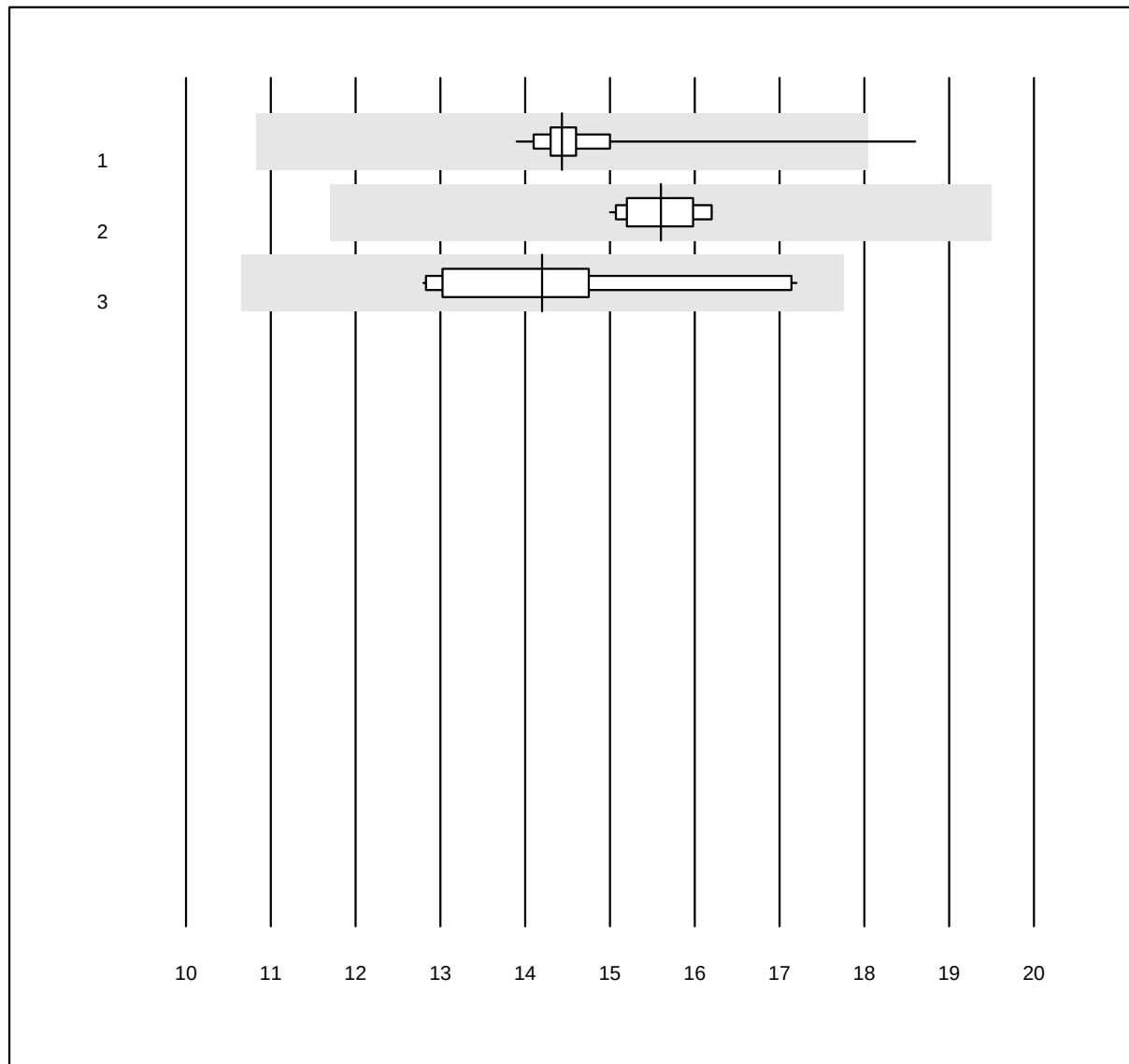
MCHC



MQ Toleranz: 25%

MCHC (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex	133	99.2	0.0	0.8	302	3.7	e
2 Beckman	16	100.0	0.0	0.0	322	1.8	e
3 Yumizen/Pentra	12	100.0	0.0	0.0	336	4.6	e

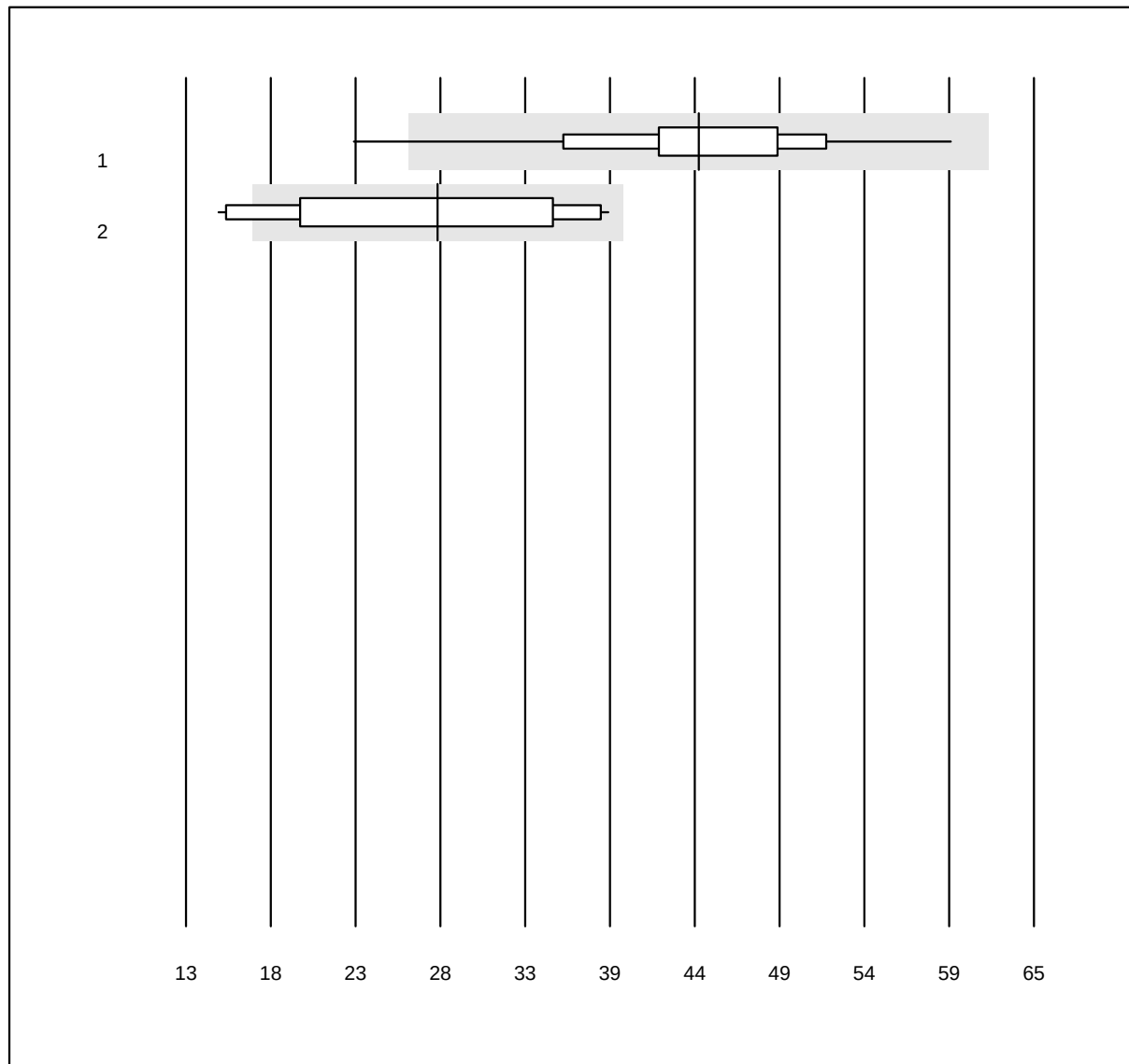
RDW

MQ Toleranz: 25%

RDW (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex	127	98.4	0.8	0.8	14.4	3.4	e
2 Beckman	16	100.0	0.0	0.0	15.6	2.7	e
3 Yumizen/Pentra	12	100.0	0.0	0.0	14.2	10.2	e

Reticulocytes

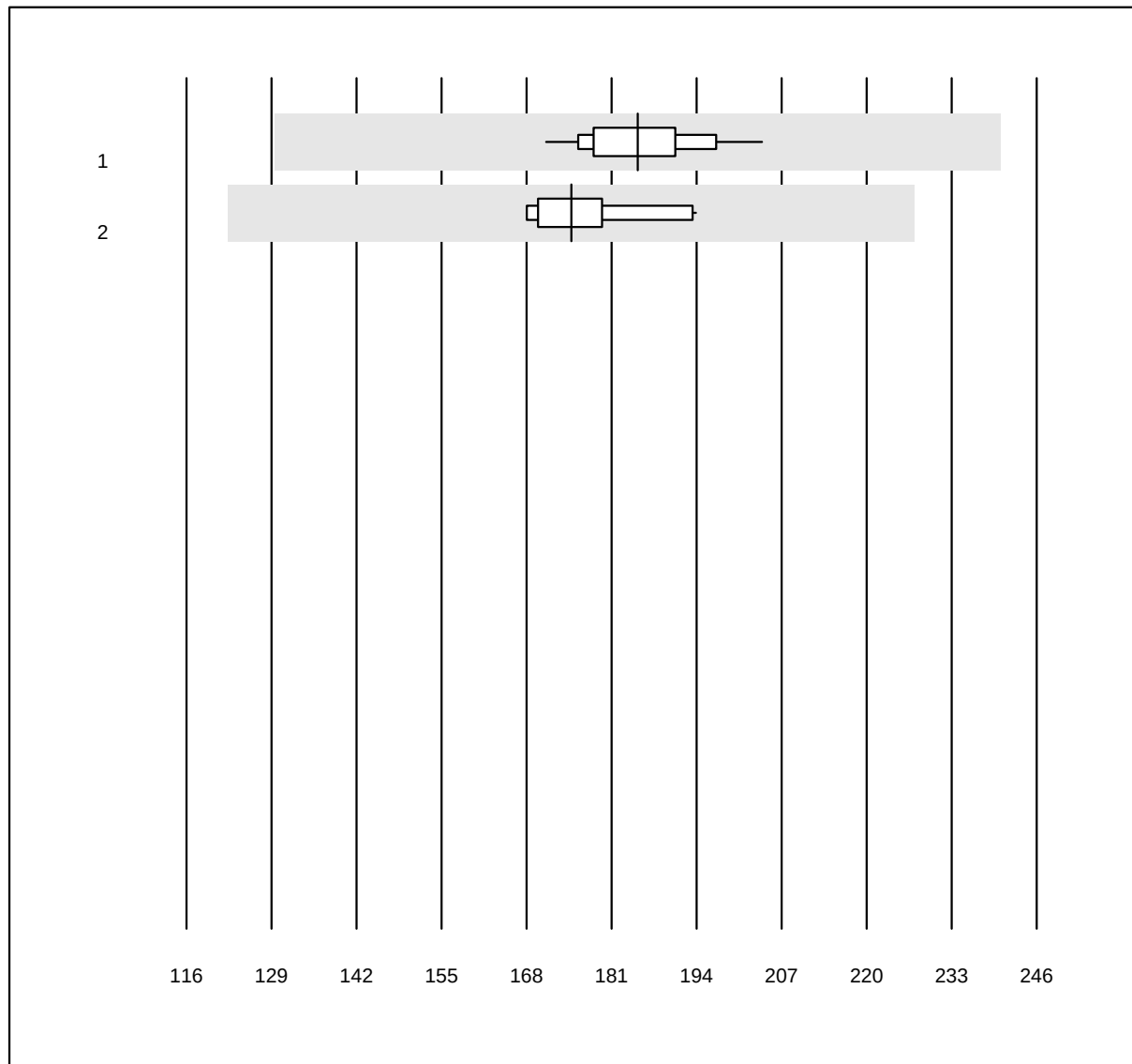


QUALAB Toleranz: 30%

Reticulocytes (G/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Sysmex	77	97.4	1.3	1.3	44.5	14.9	a
2	Beckman	11	90.9	9.1	0.0	28.4	28.6	a*

Hemolysis index A



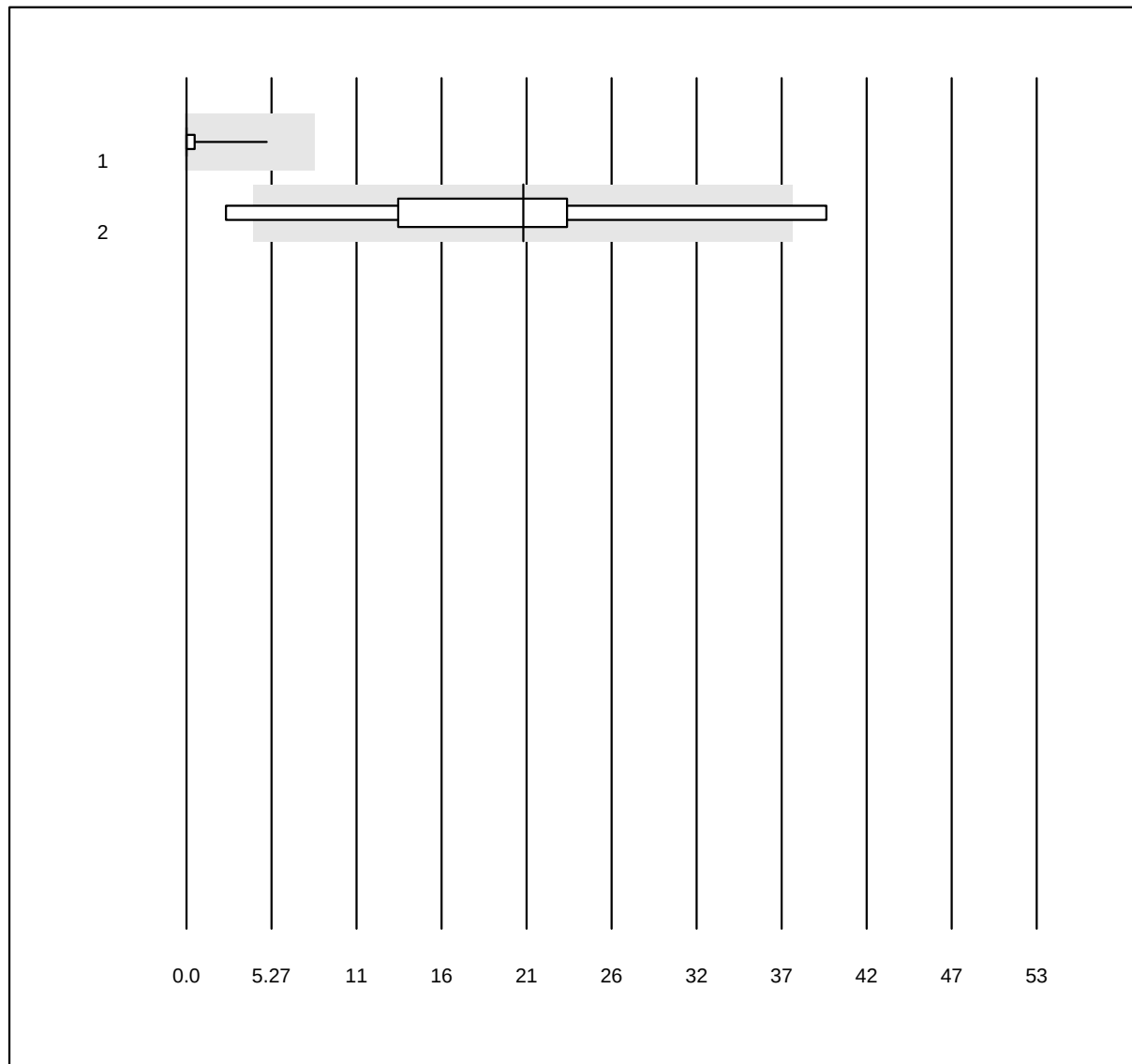
MQ Toleranz: 30%

Hemolysis index A ()

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	28	100.0	0.0	0.0	185.00	4.5	e
2	Atellica	10	100.0	0.0	0.0	174.86	4.9	e

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

Hemolysis index B



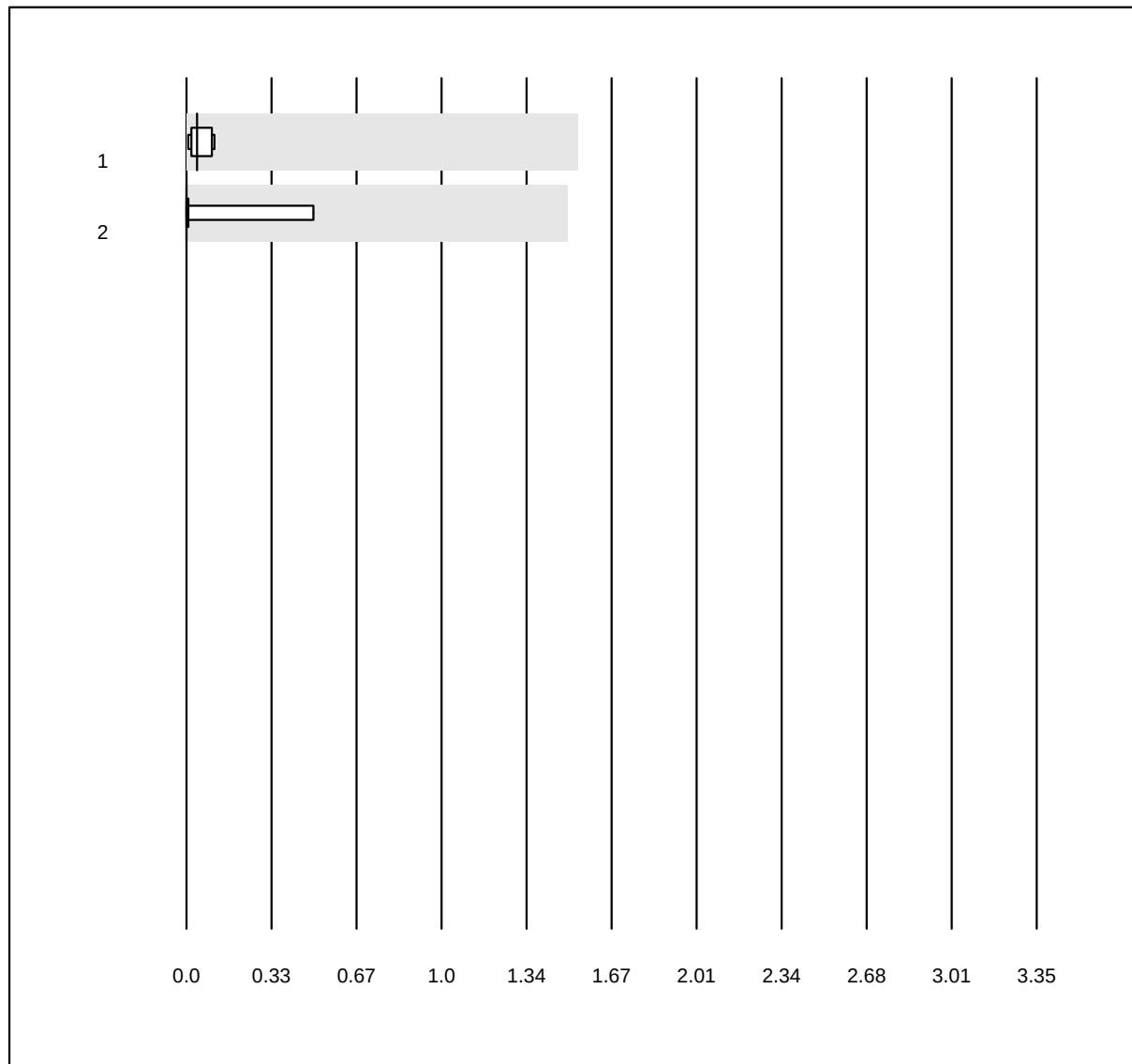
MQ Toleranz: 30%
(< 20.0: +/- 8.0)

Hemolysis index B ()

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	28	100.0	0.0	0.0	0.00	366.0	e
2	Atellica	10	70.0	0.0	30.0	21.00	56.4	a*

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

Icteria Index A



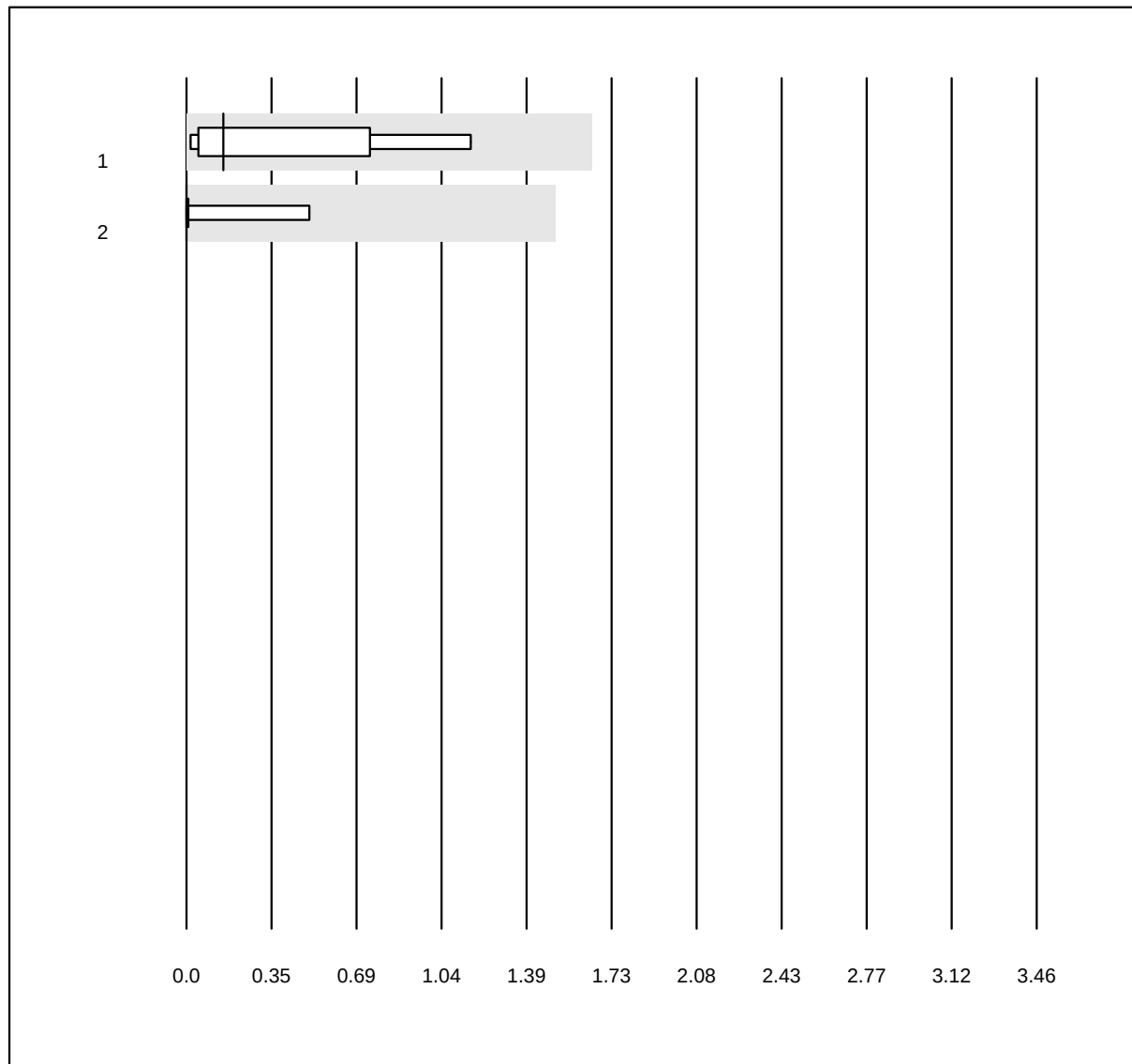
MQ Toleranz: 30%
(< 5.0: +/- 1.5)

Icteria Index A ()

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Atellica	9	100.0	0.0	0.0	0.04	73.8	e
2 Cobas	16	100.0	0.0	0.0	0.00	267.2	e

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

Icteria Index B



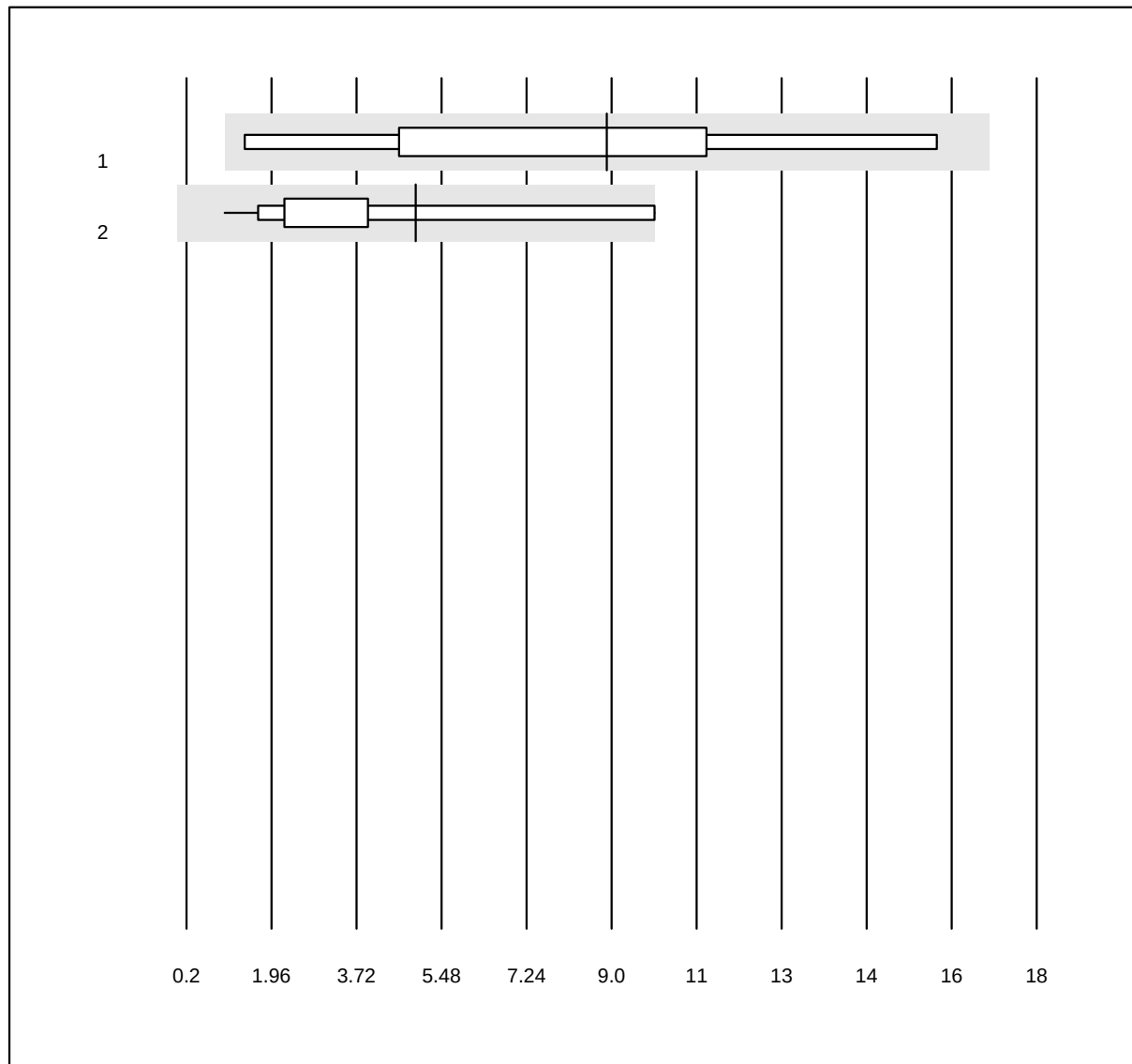
MQ Toleranz: 30%
(< 5.0: +/- 1.5)

Icteria Index B ()

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Atellica	9	100.0	0.0	0.0	0.15	127.0	e
2 Cobas	16	100.0	0.0	0.0	0.00	267.2	e

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

Lipemia index A



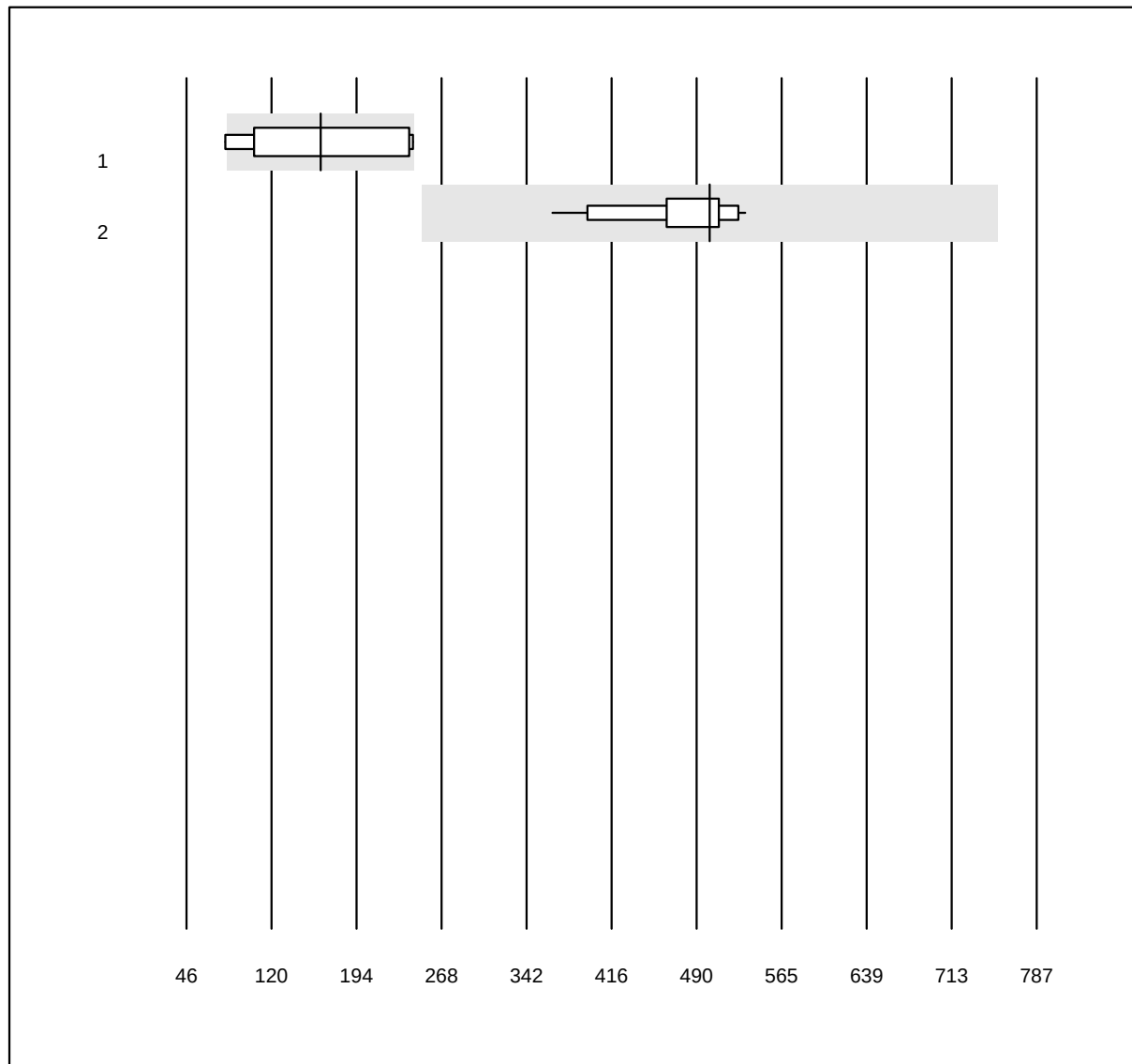
MQ Toleranz: 30%
(< 10.0: +/- 8.0)

Lipemia index A ()

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Atellica	9	100.0	0.0	0.0	9.00	51.7	a*
2 Cobas	16	100.0	0.0	0.0	5.00	67.9	a*

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

Lipemia index B



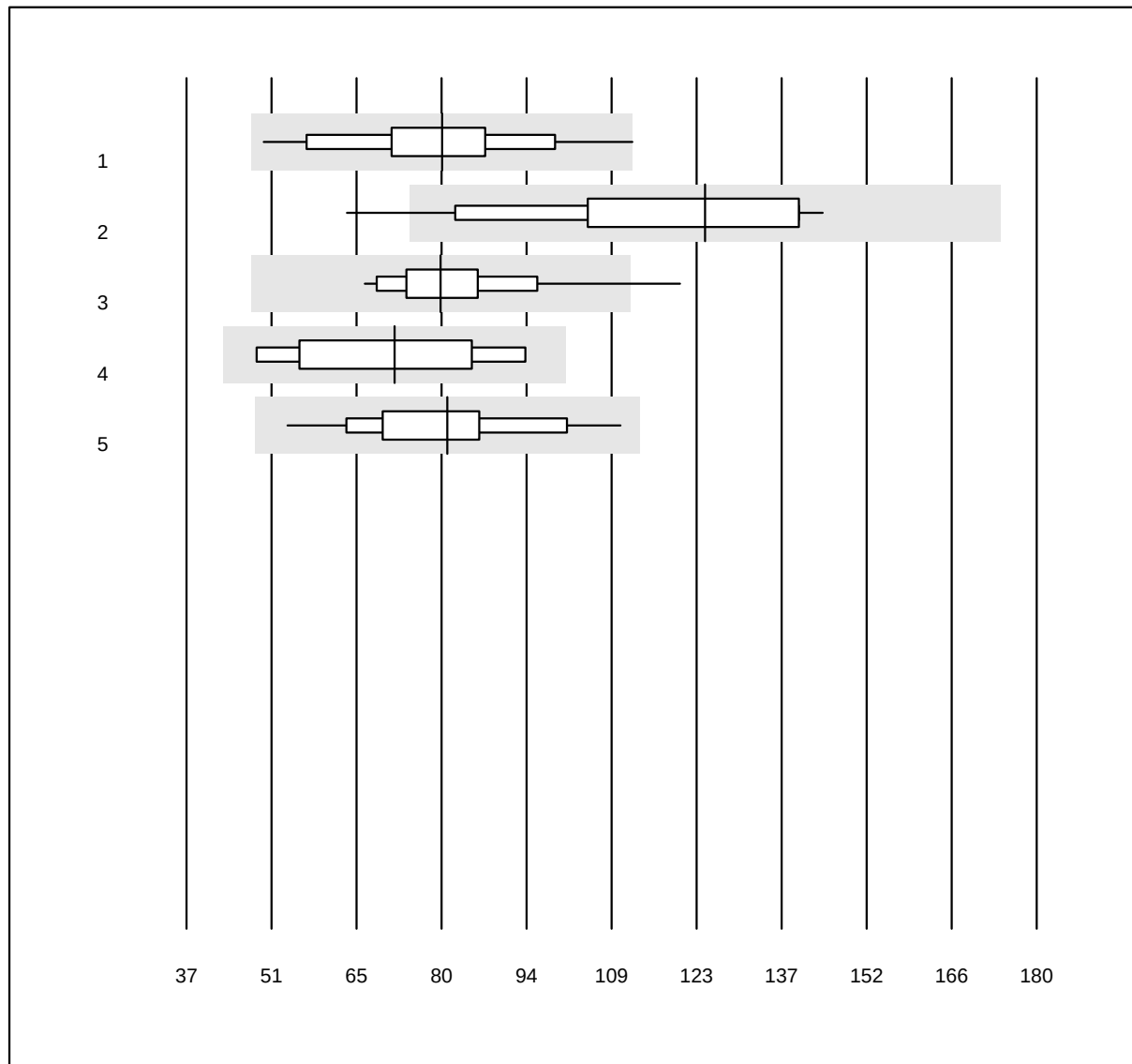
MQ Toleranz: 30%

Lipemia index B ()

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Atellica	9	88.9	11.1	0.0	163.00	40.1	a*
2 Cobas	16	87.5	0.0	12.5	502.00	9.1	a

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

Erythrocyte sedimentation rate 1h

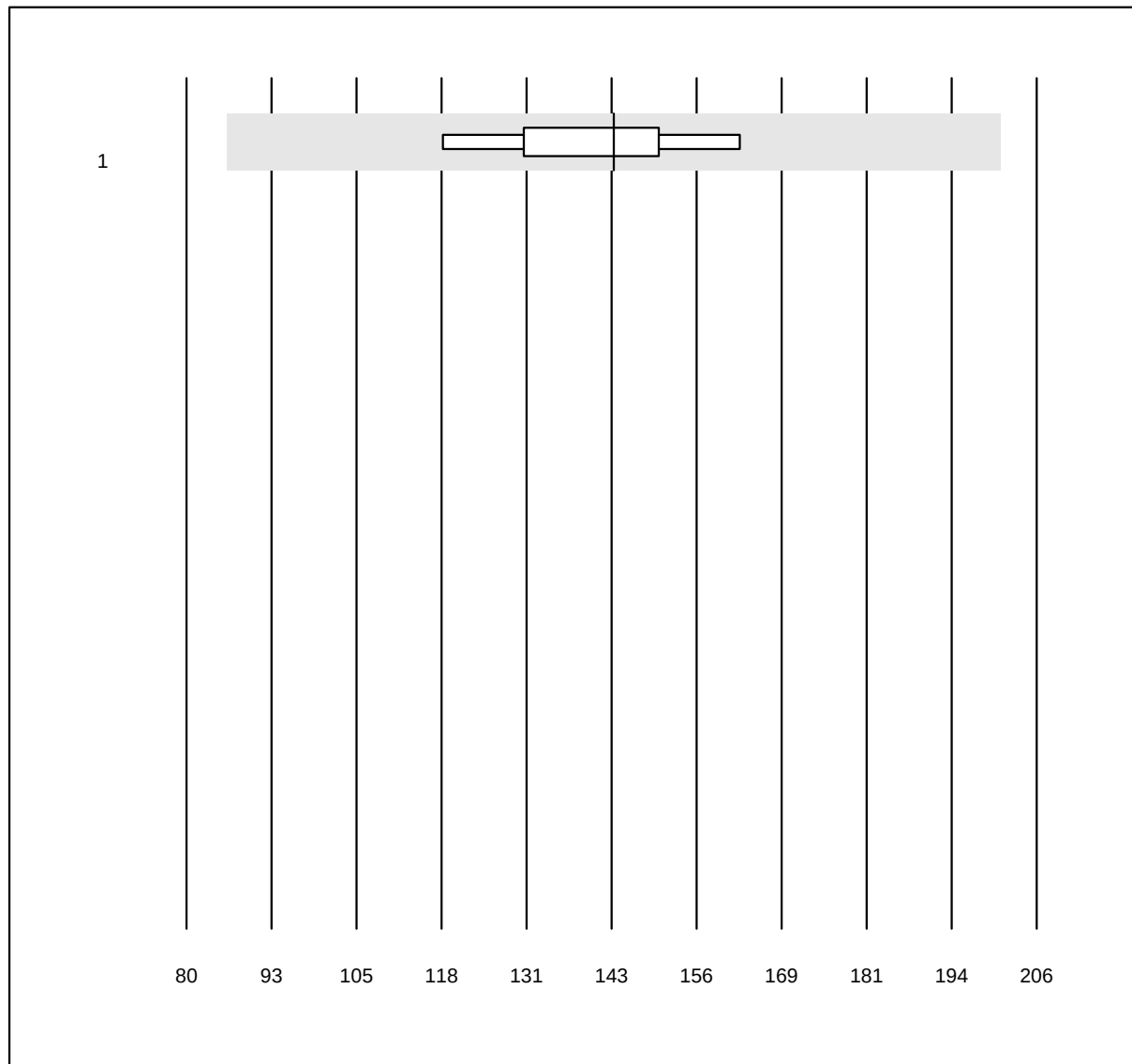


MQ Toleranz: 40%

Erythrocyte sedimentation
rate 1h (mm/h)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sarstedt Sedivette	30	100.0	0.0	0.0	80	17.1	a
2 MINI-CUBE	41	95.1	4.9	0.0	124	18.6	e
3 BD Seditainer	40	95.0	2.5	2.5	80	13.9	e
4 Sarstedt Microvette	5	100.0	0.0	0.0	72	21.5	e*
5 Other methods	19	94.7	0.0	5.3	81	16.5	e

Erythrocyte sedimentation rate 2h



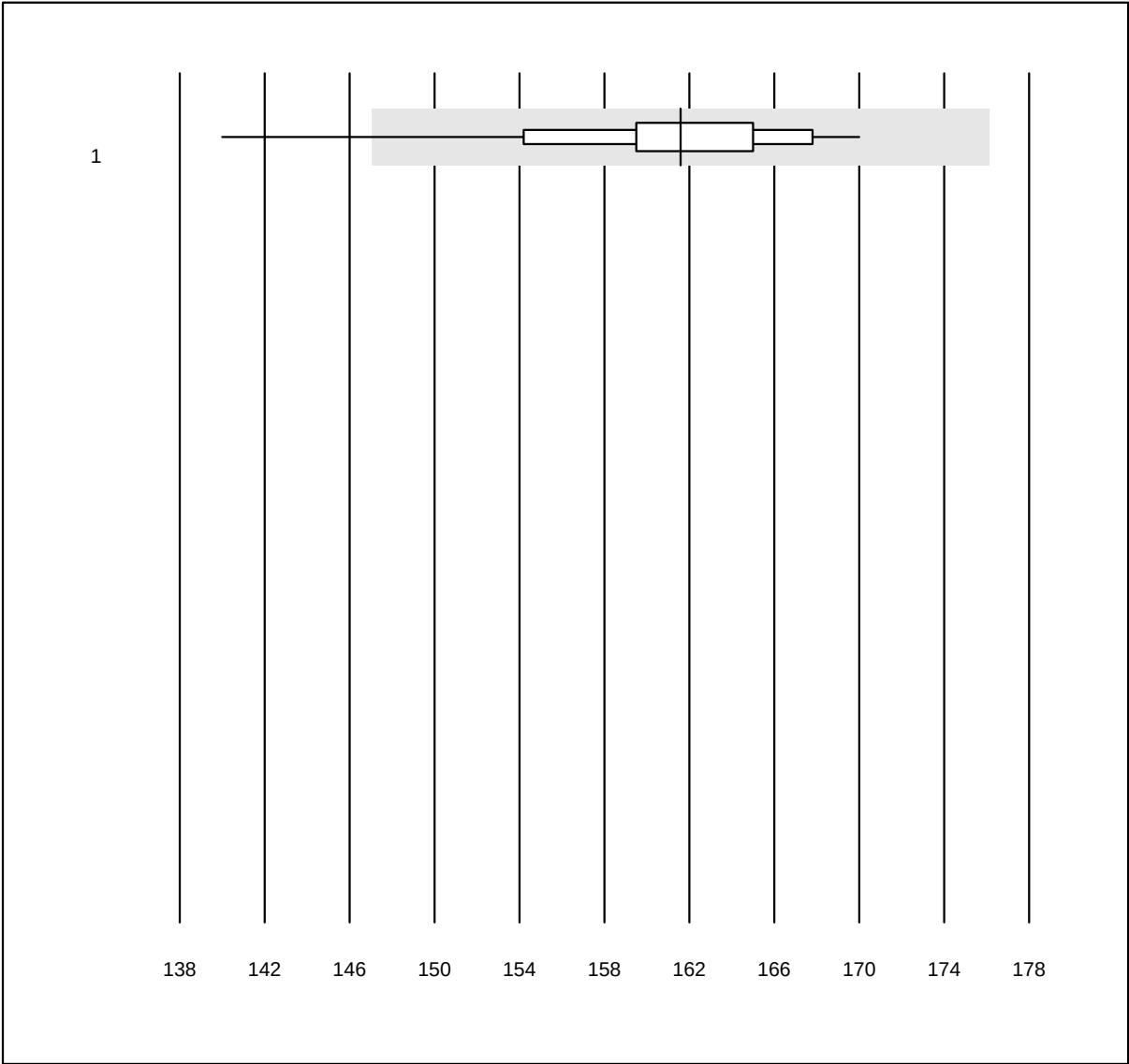
MQ Toleranz: 40%

Erythrocyte sedimentation
rate 2h (mm/2h)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sarstedt Sedivette	7	100.0	0.0	0.0	143	9.5	e

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

Hemoglobin HS

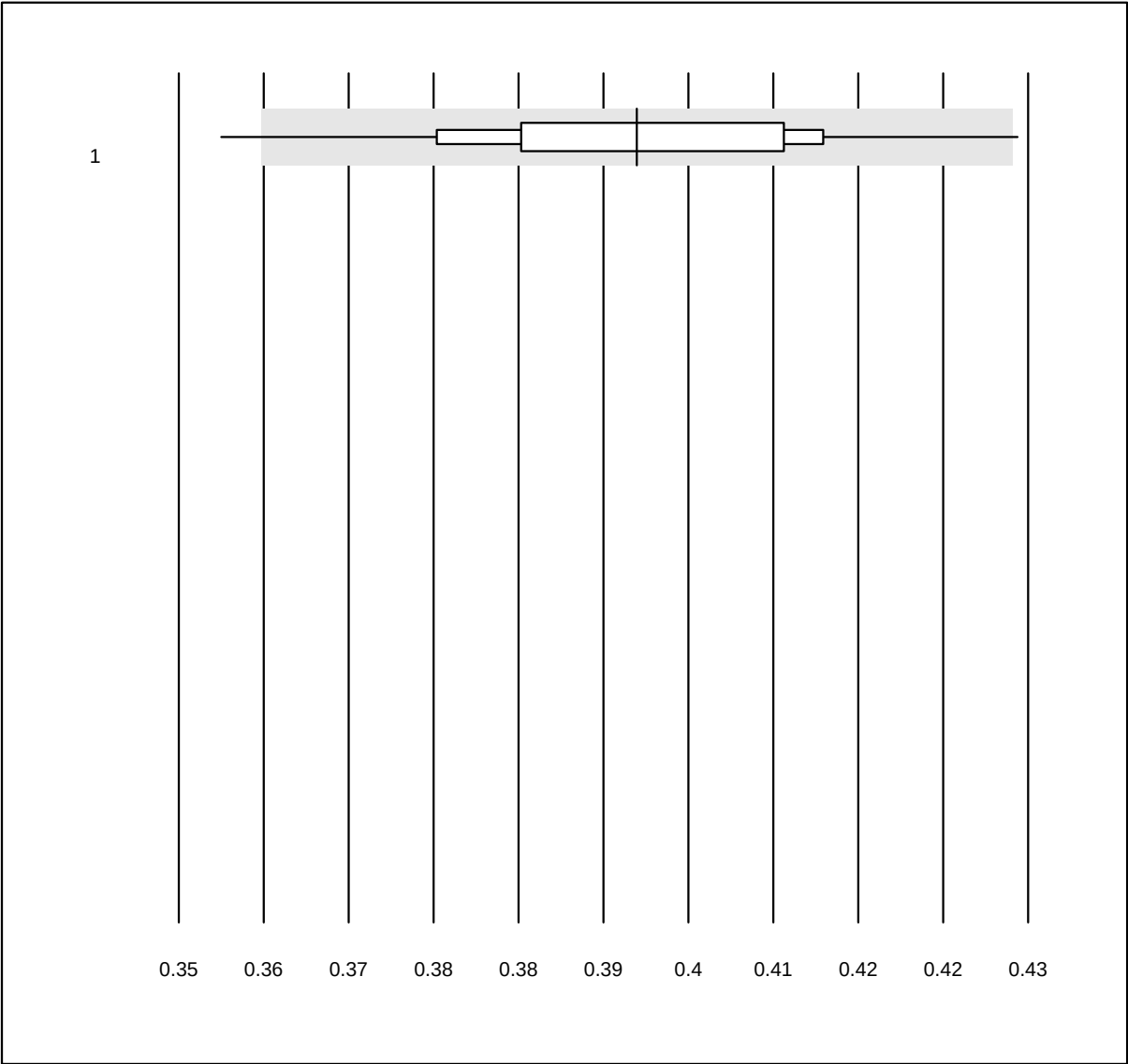


QUALAB Toleranz: 9%

Hemoglobin HS (g/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	PixCell HemoScreen	44	90.9	2.3	6.8	161.6	3.5	e

Hematocrit HS

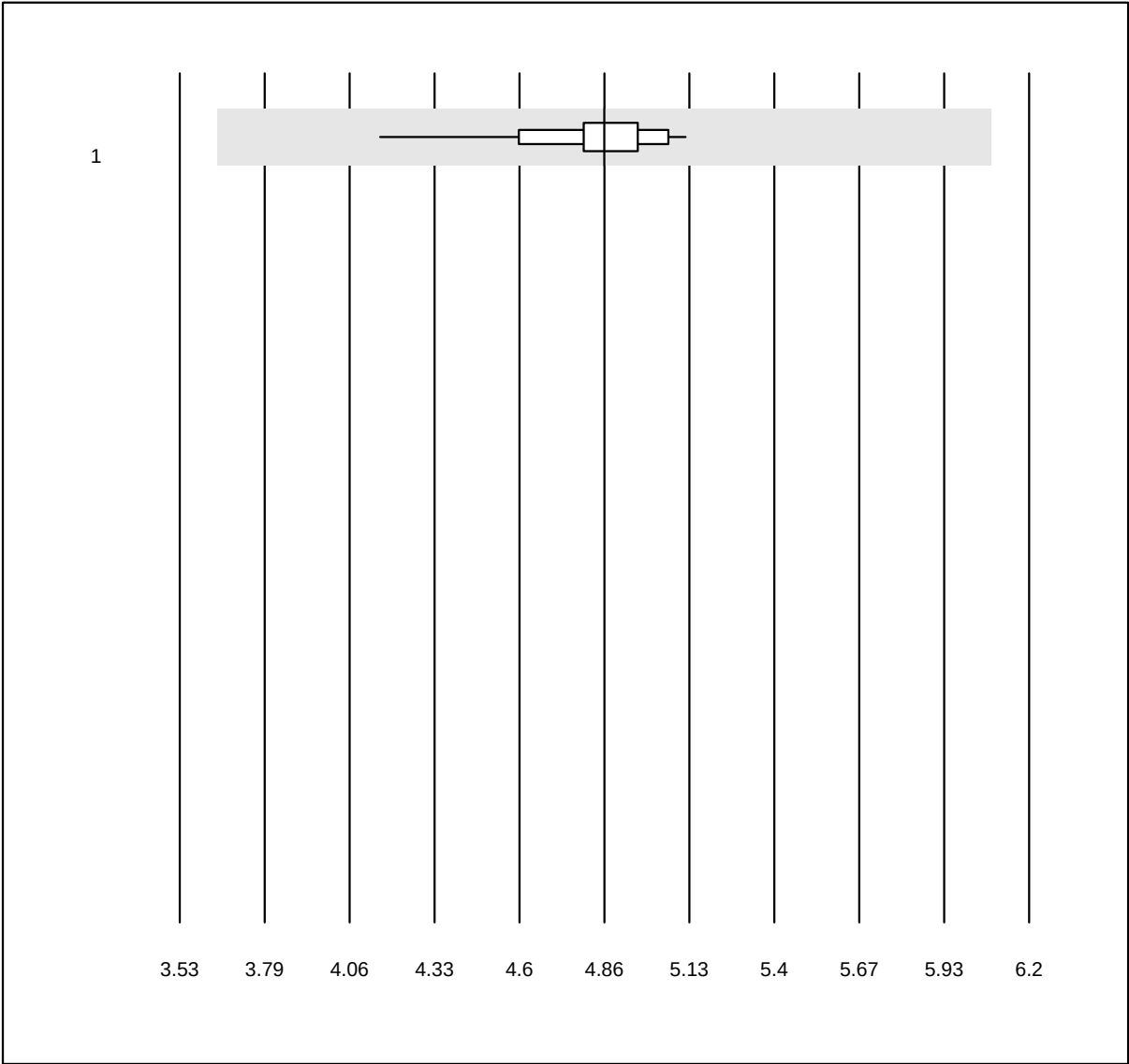


QUALAB Toleranz: 9%

Hematocrit HS (l/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	PixCell HemoScreen	44	90.9	4.5	4.5	0.4	4.0	e

Erythrocytes HS

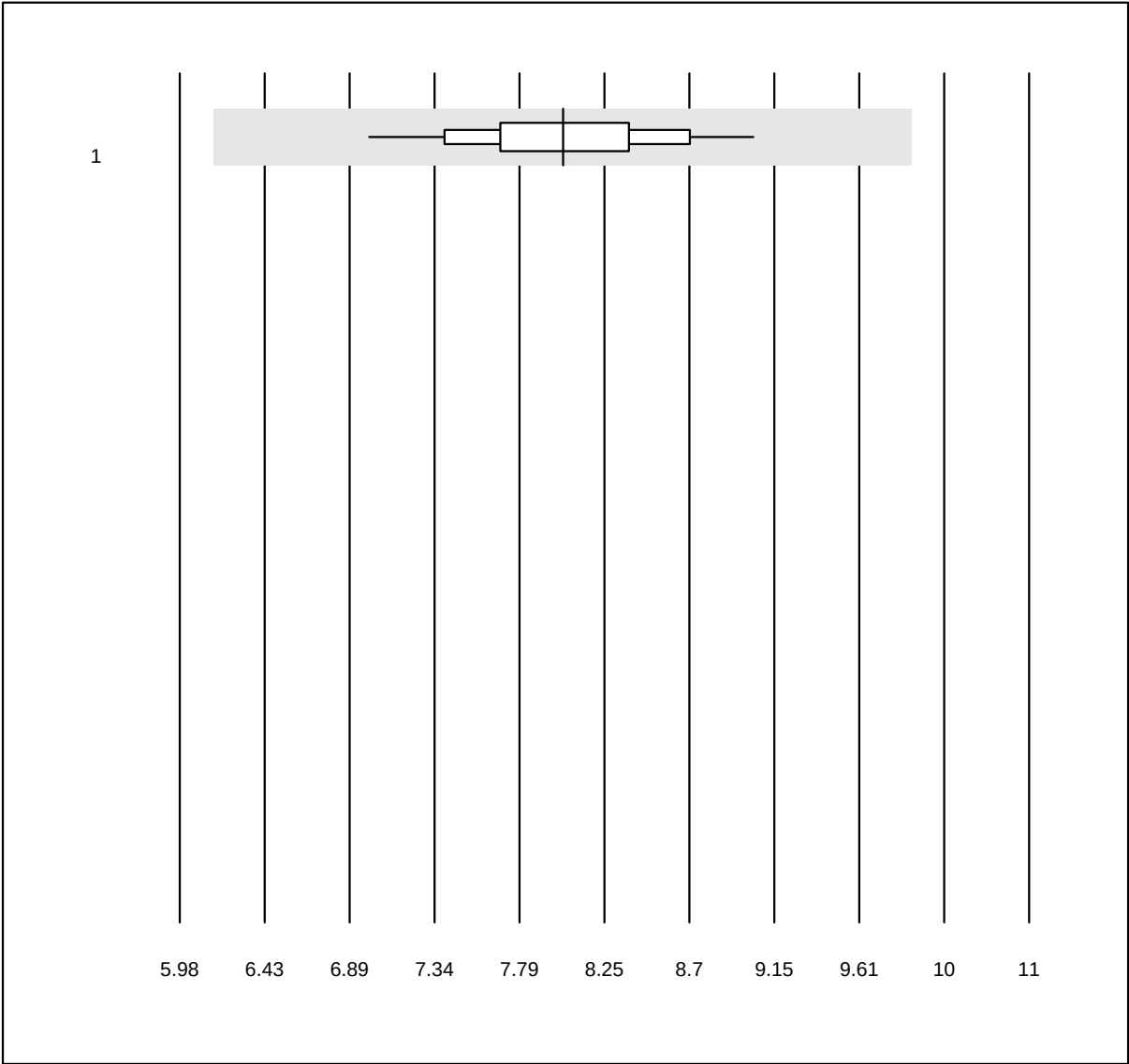


QUALAB Toleranz: 25%

Erythrocytes HS (T/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	PixCell HemoScreen	44	97.7	0.0	2.3	4.86	4.1	e

Leucocytes HS

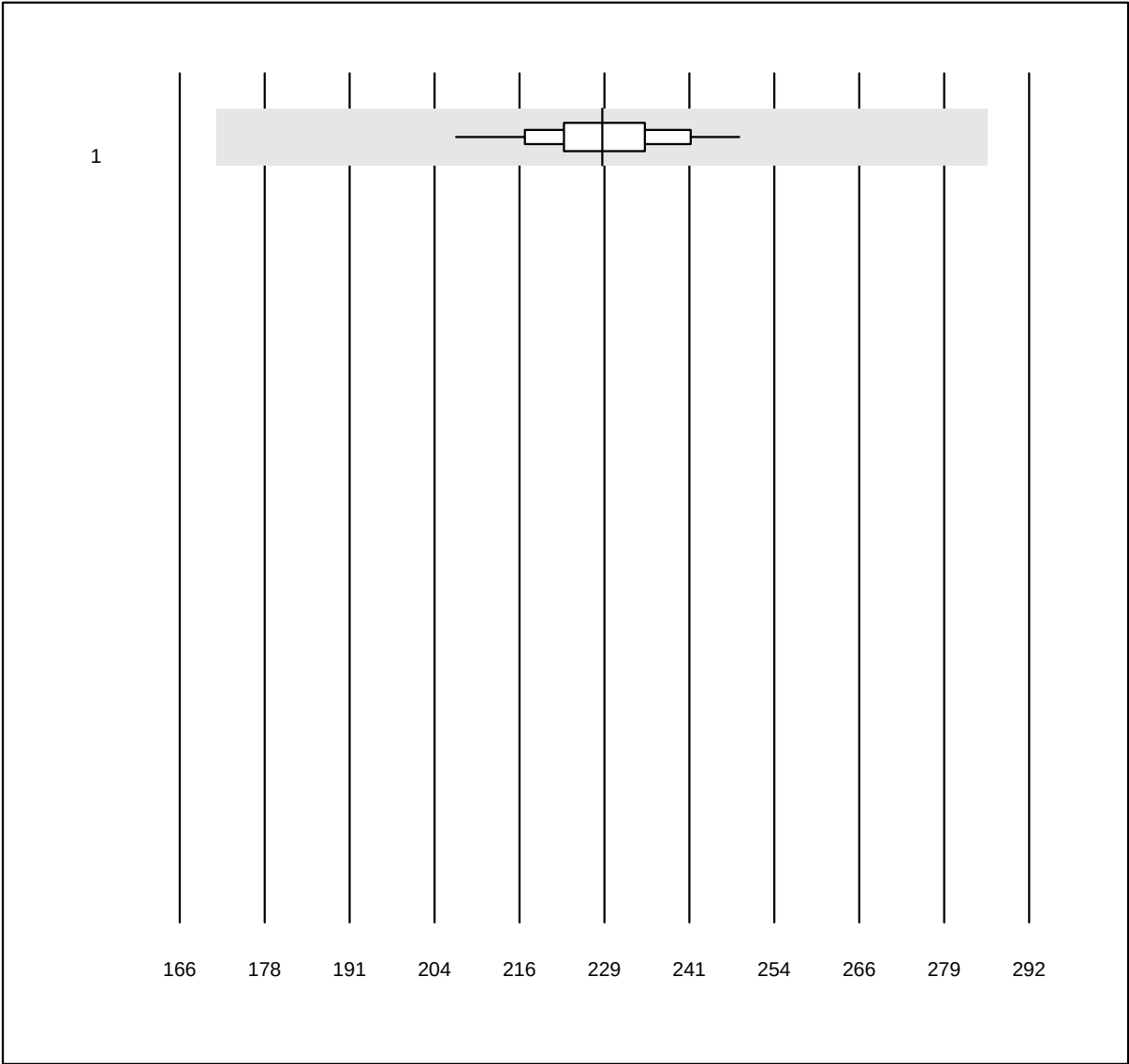


QUALAB Toleranz: 25%

Leucocytes HS (G/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	PixCell HemoScreen	44	100.0	0.0	0.0	8.25	6.3	e

Trombocytes HS

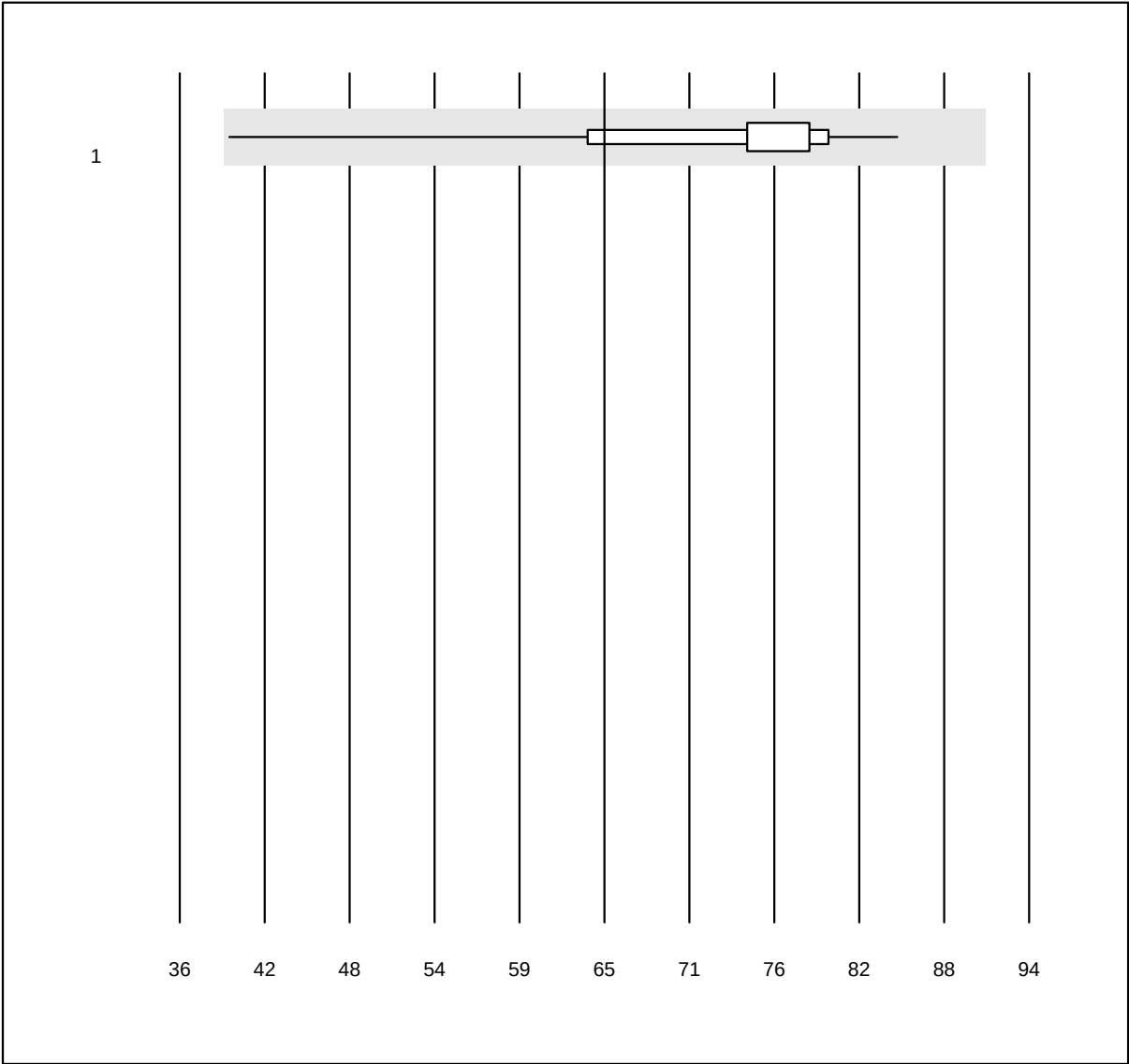


QUALAB Toleranz: 25%

Trombocytes HS (G/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	PixCell HemoScreen	43	100.0	0.0	0.0	228.7	3.9	e

Erythrocytes BF

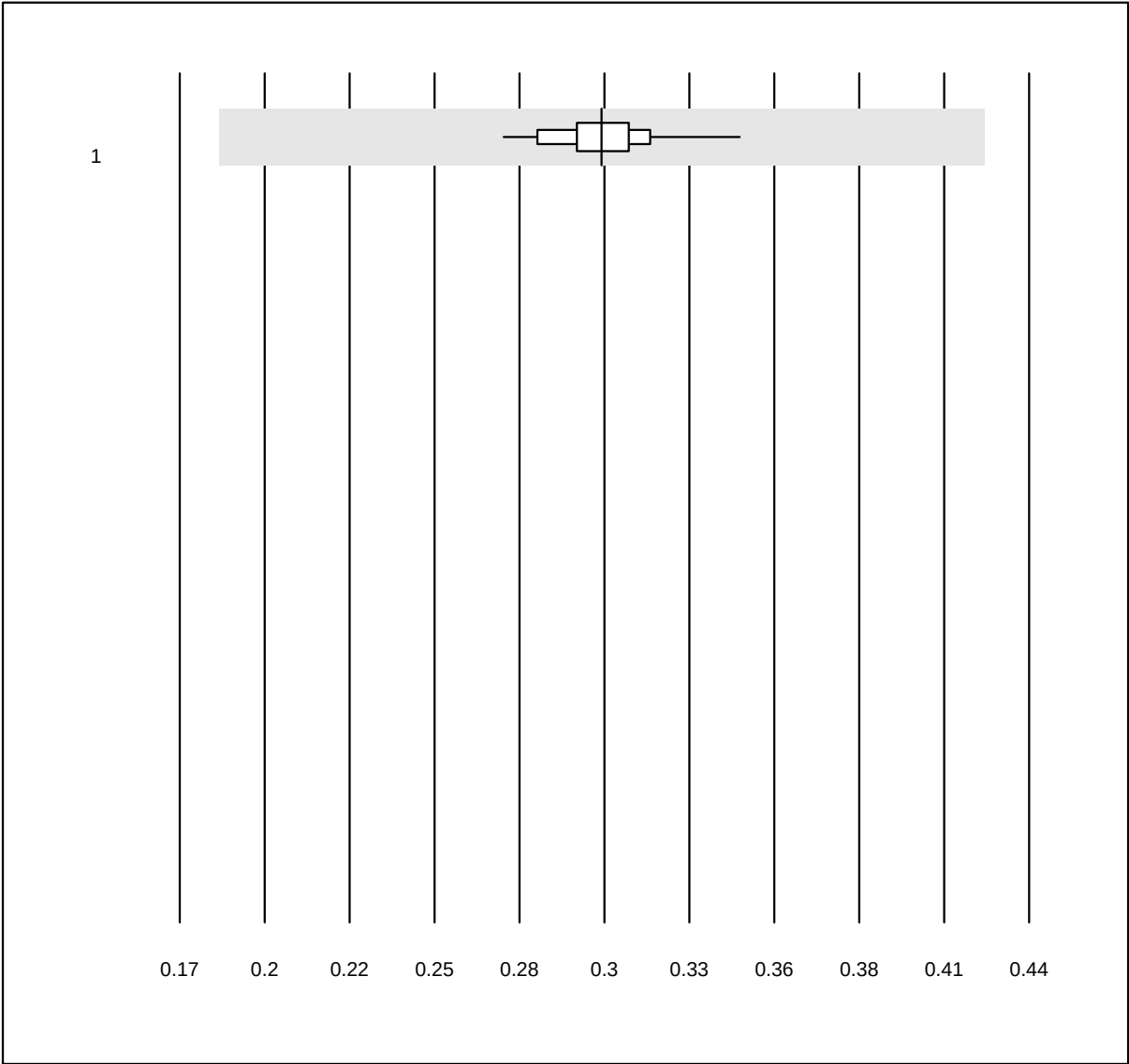


MQ Toleranz: 40%

Erythrocytes BF (G/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Sysmex	46	100.0	0.0	0.0	65.000	10.6	a
2 additional results were submitted but not published because the method groups were too small. (< results per group)								

Leucocytes BF



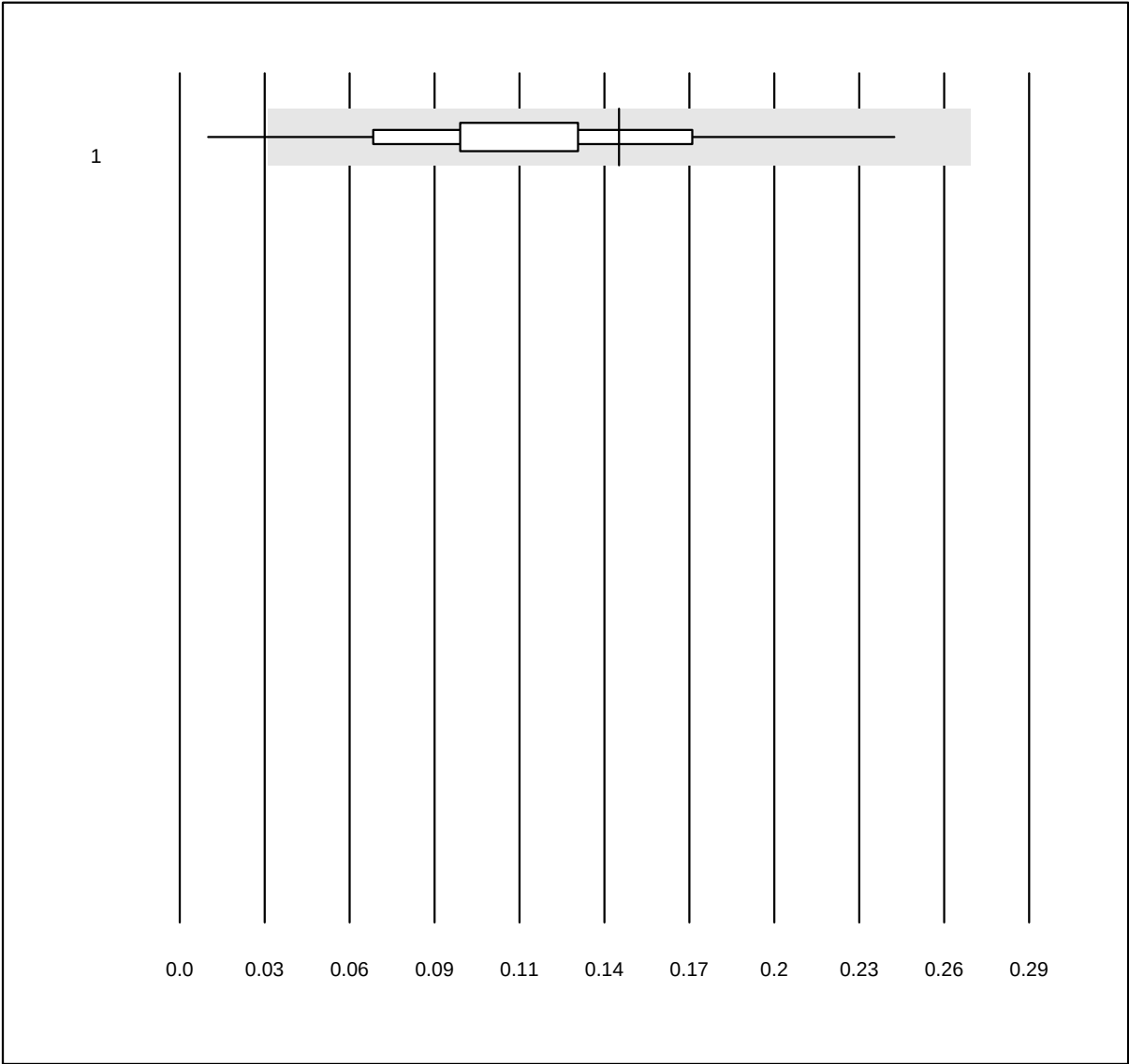
MQ Toleranz: 40%

Leucocytes BF (G/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Sysmex	48	100.0	0.0	0.0	0.304	4.6	e

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

Mononuclear cells (MN)

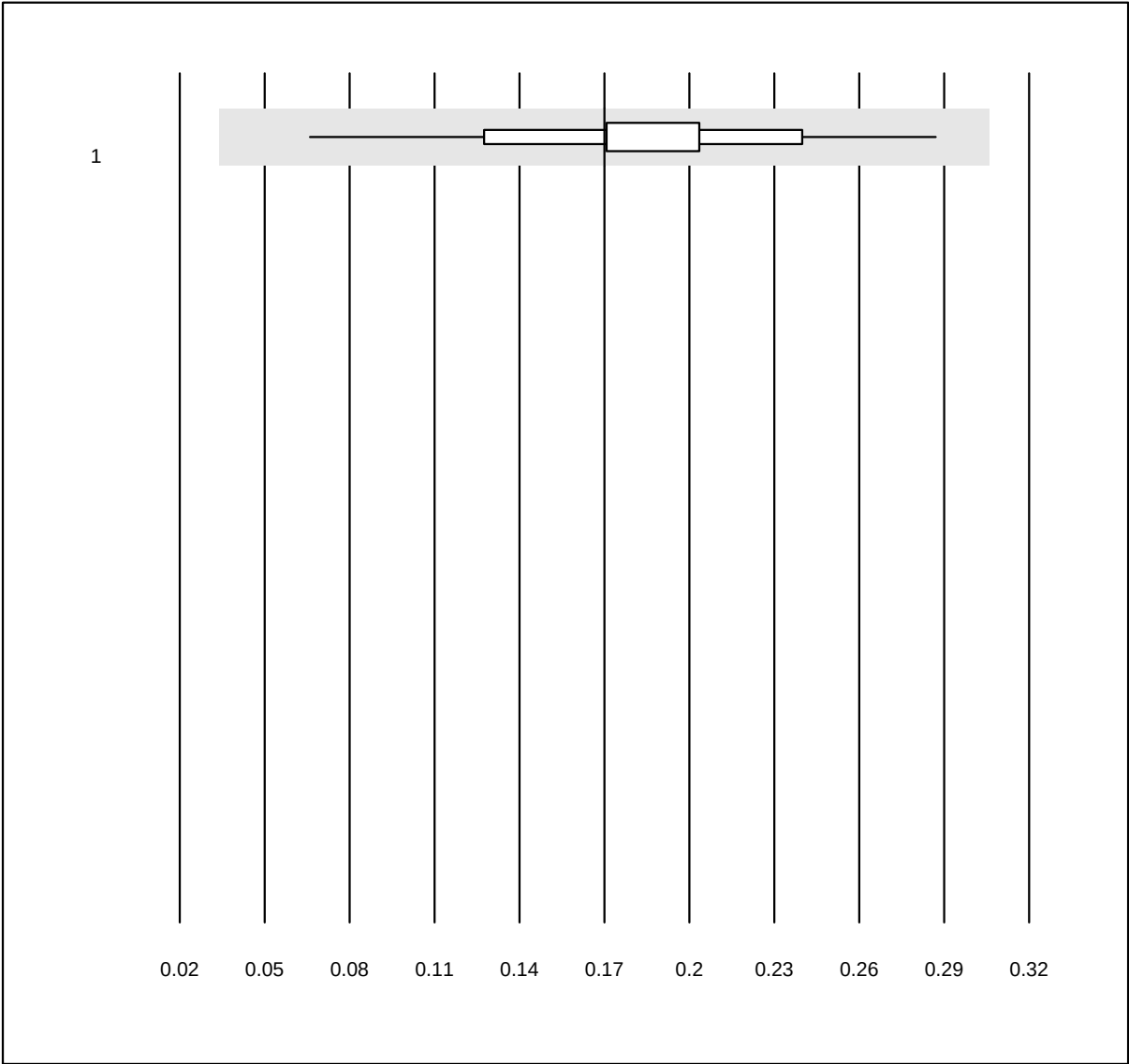


MQ Toleranz: 40%

Mononuclear cells (MN)
(G/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Sysmex	46	97.8	2.2	0.0	0.150	39.3	a

Polynuclear cells (PMN)

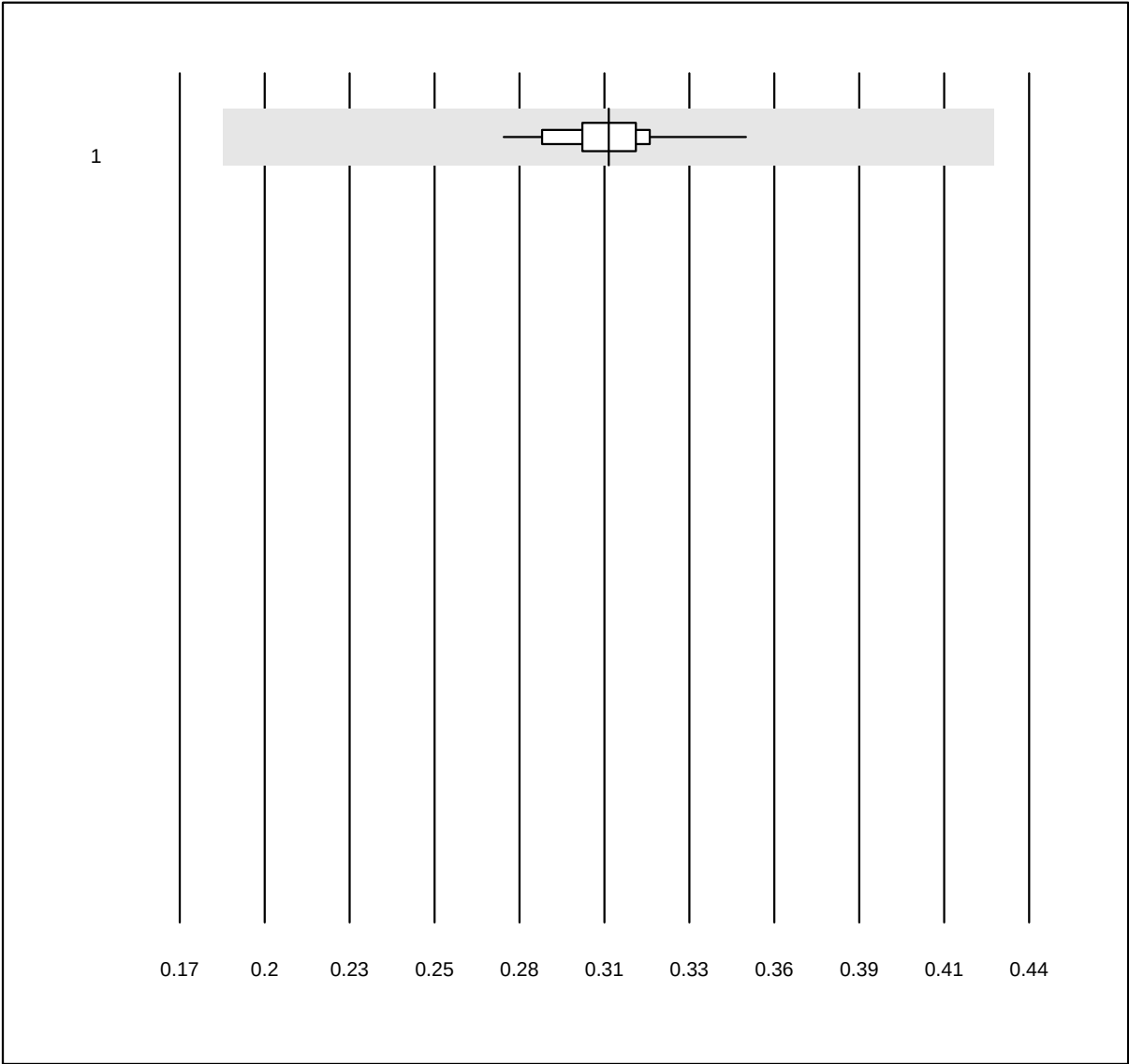


MQ Toleranz: 40%

Polynuclear cells (PMN)
(G/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Sysmex	46	100.0	0.0	0.0	0.170	24.9	a

Total cells (TC)

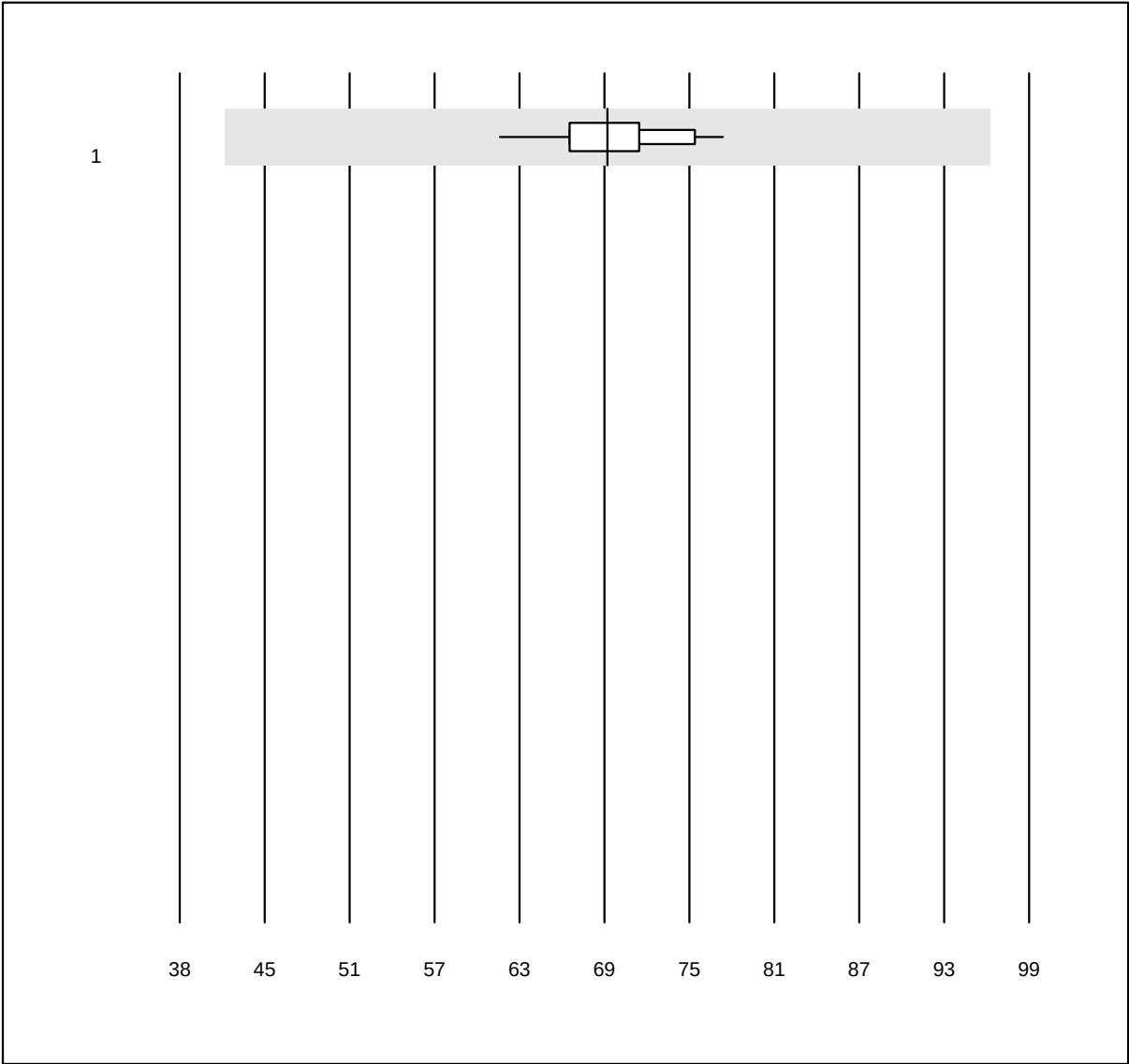


MQ Toleranz: 40%

Total cells (TC) (G/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Sysmex	41	100.0	0.0	0.0	0.306	4.6	e

Erythrocyte sedimentation rate

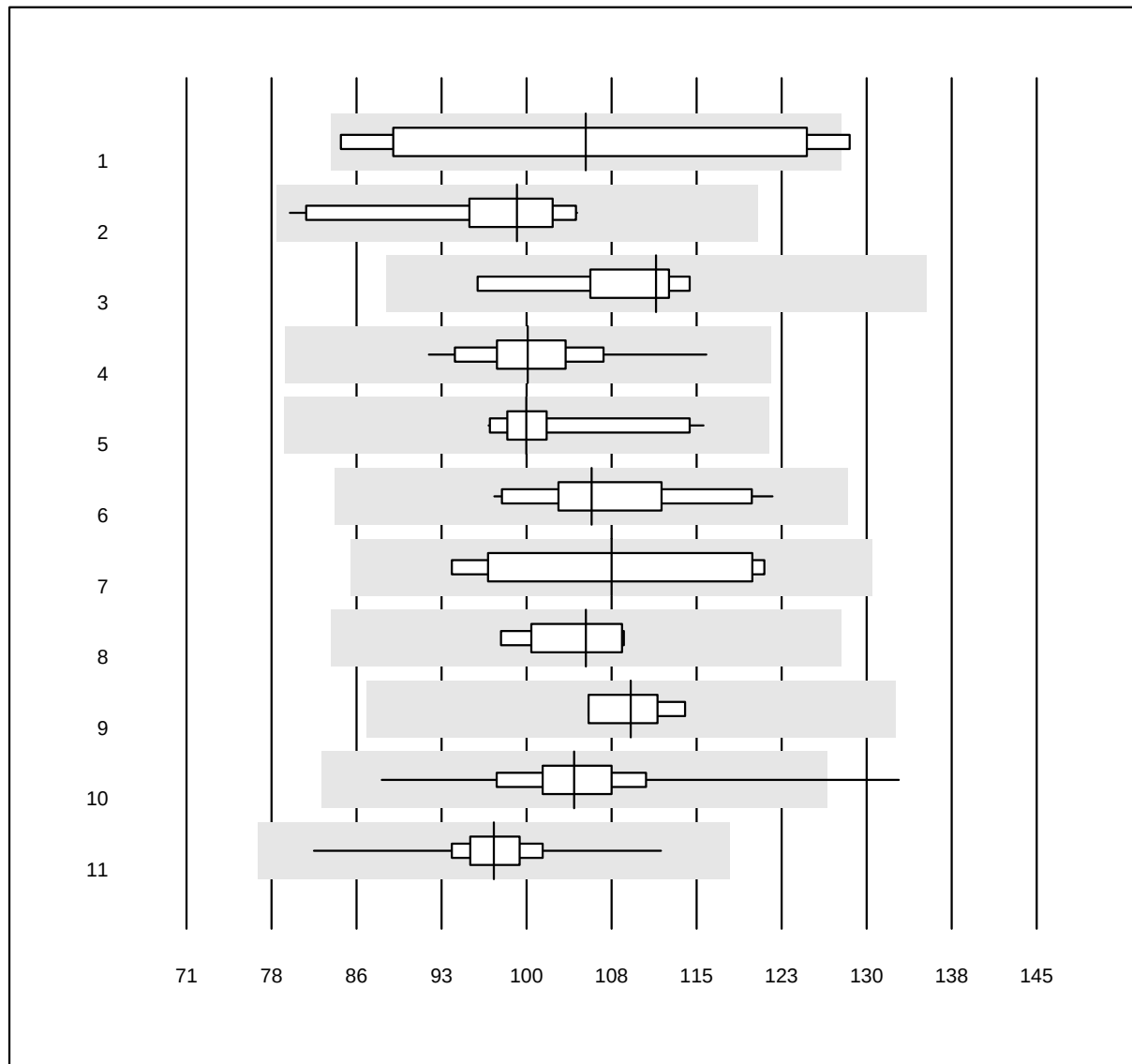


MQ Toleranz: 40%

Erythrocyte sedimentation
rate (mm/h)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	miniSed	30	96.7	0.0	3.3	69	5.1	e

CRP 1



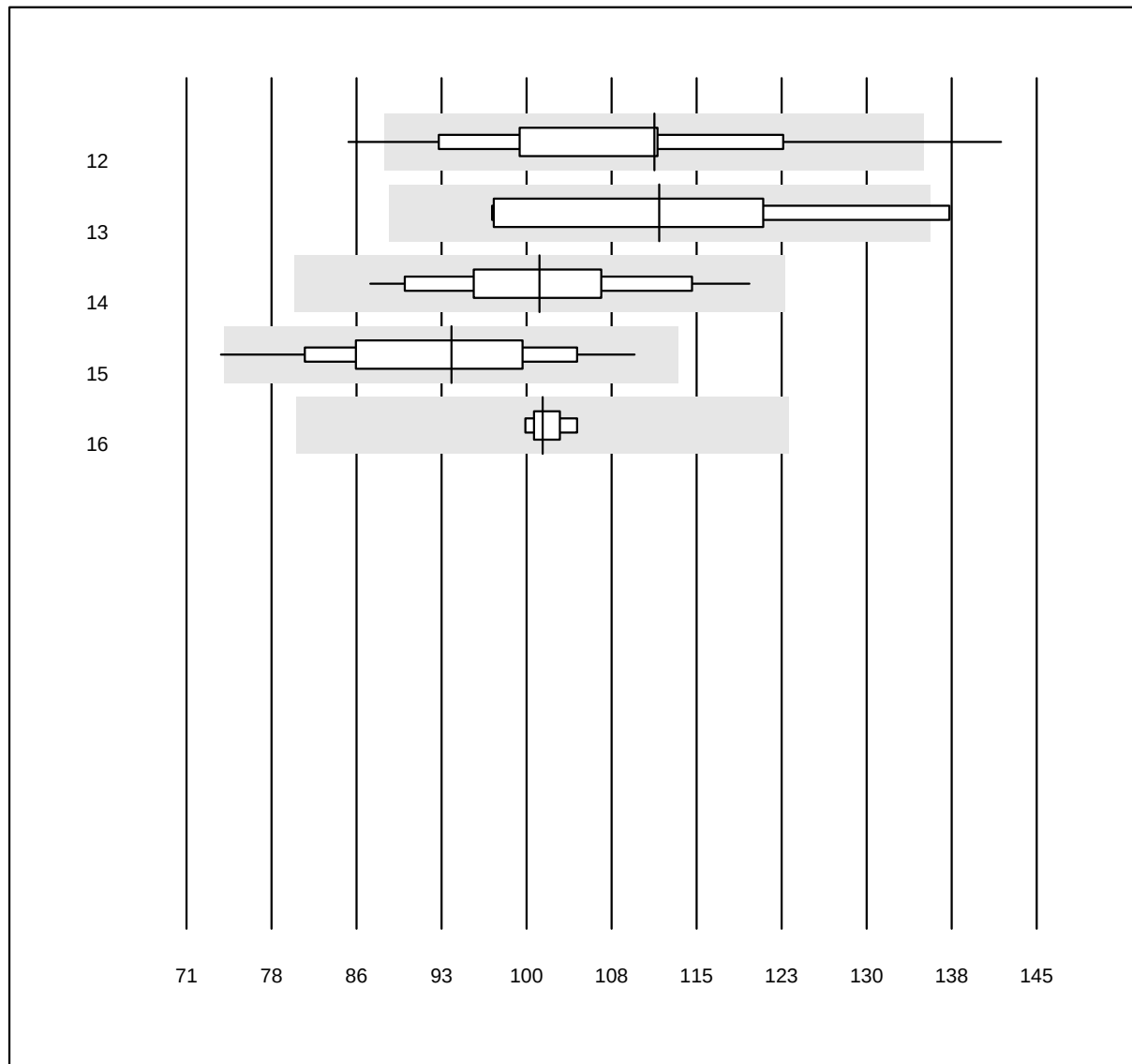
QUALAB Toleranz: 21%

CRP (mg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Vitros	7	85.7	14.3	0.0	105.8	16.2	e*
2 Abbott	10	100.0	0.0	0.0	99.8	7.5	e
3 Beckman	5	100.0	0.0	0.0	111.9	4.8	e
4 Roche	50	96.0	0.0	4.0	100.7	5.2	e
5 Siemens	10	100.0	0.0	0.0	100.6	5.3	e
6 Autolyser	14	85.7	0.0	14.3	106.3	6.2	e
7 Fuji Dri-Chem	10	60.0	0.0	40.0	108.0	10.6	a*
8 Spotchem D-Concept	5	100.0	0.0	0.0	105.8	3.9	e
9 Piccolo	7	100.0	0.0	0.0	109.7	2.9	e
10 Afinion	979	99.5	0.2	0.3	104.7	5.1	e
11 Cobas b101/Click	487	99.2	0.0	0.8	97.8	3.6	e

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

CRP 2



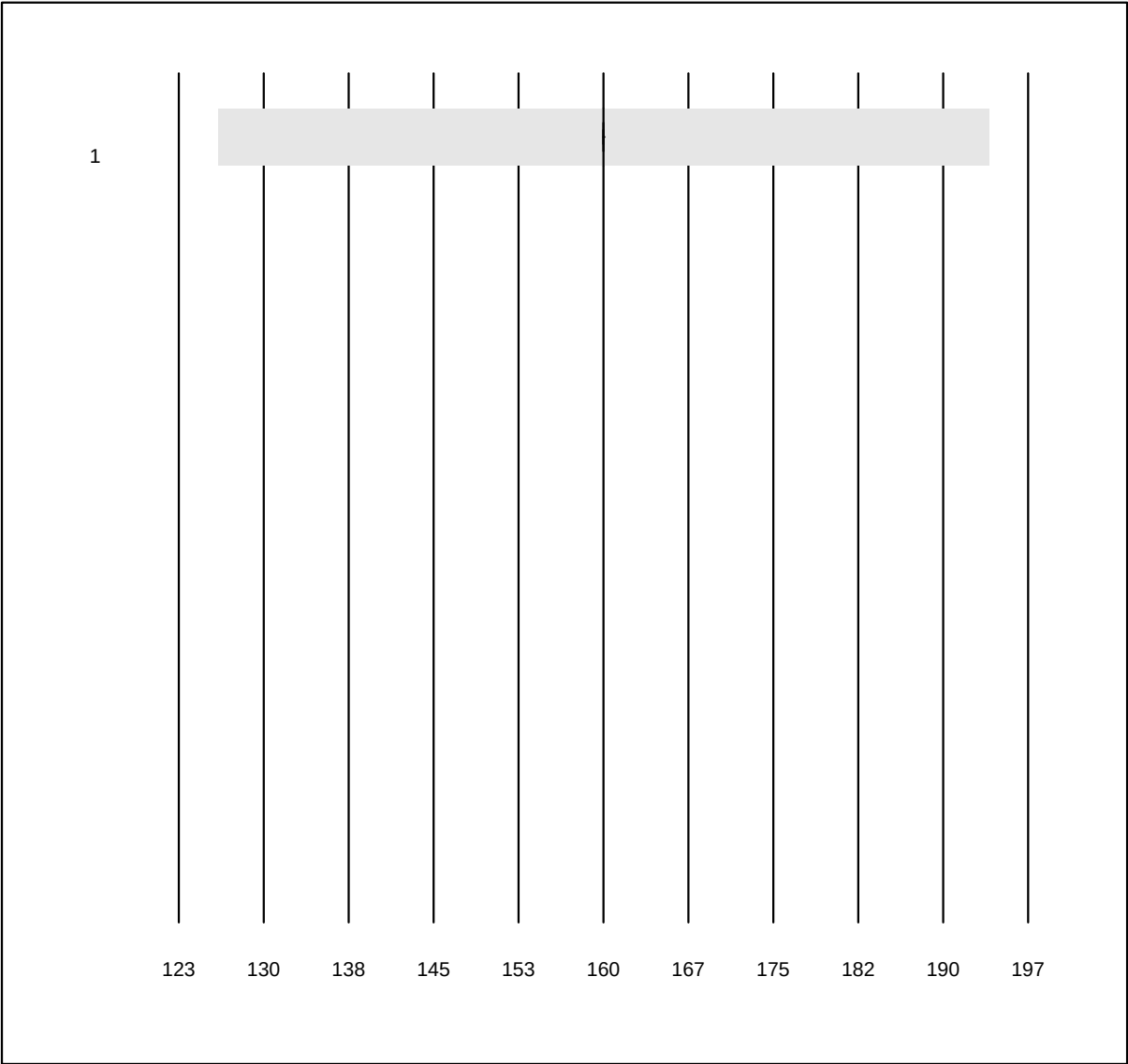
QUALAB Toleranz: 21%

CRP (mg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 Eurolyser	39	71.8	7.7	20.5	111.7	11.5	e
13 Turbidimetry	4	100.0	0.0	0.0	112.2	12.8	a*
14 Quick Read go	81	97.5	0.0	2.5	101.7	8.3	e
15 Nycocard SingleTest-Plasma	34	85.3	2.9	11.8	94.1	10.1	e
16 AQT 90 FLEX	4	100.0	0.0	0.0	102.0	1.2	e

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

CRP QR

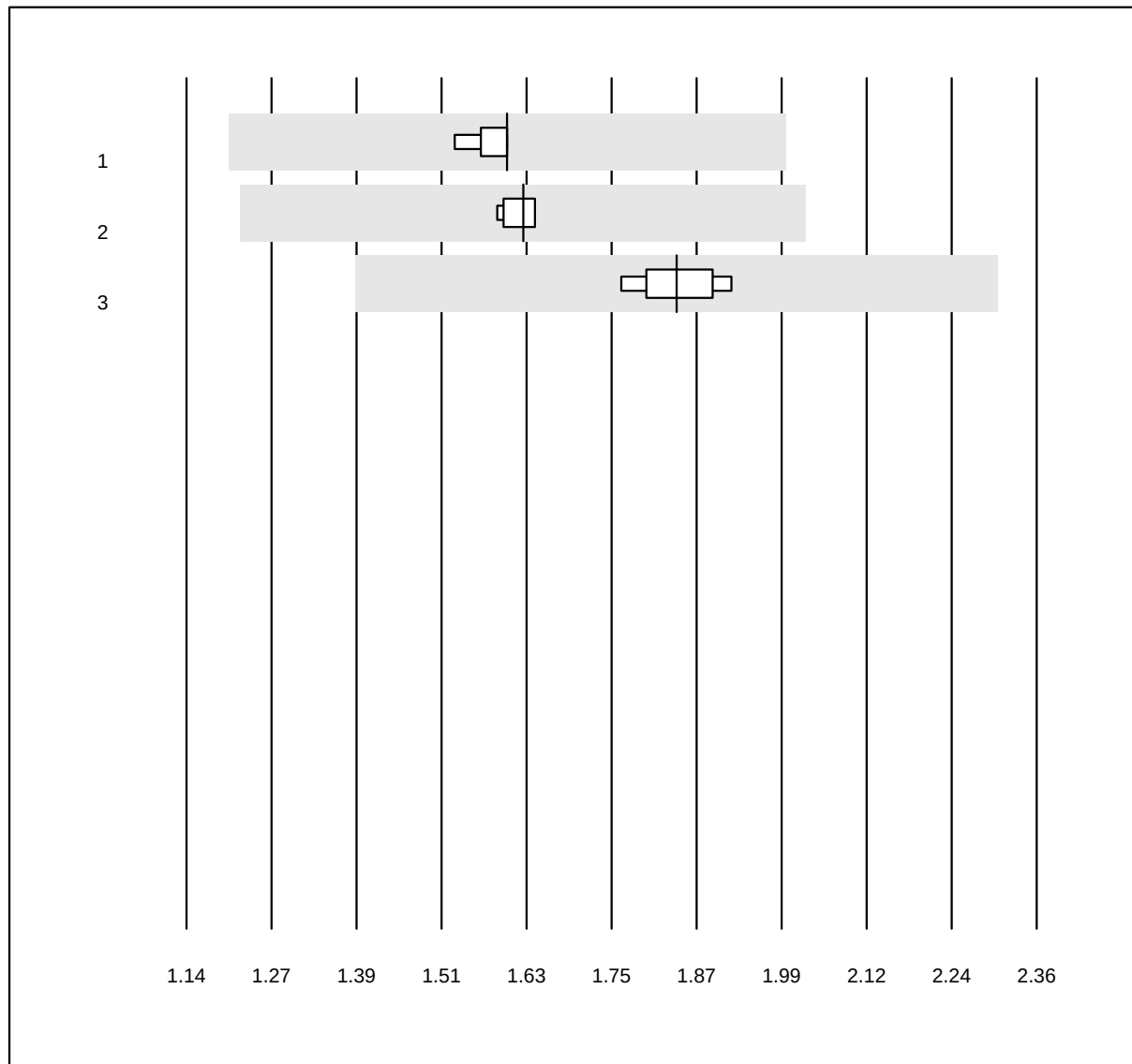


QUALAB Toleranz: 21%

CRP QR (mg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	8	100.0	0.0	0.0	160.0	0.0	e

Alpha-1-Antitrypsin

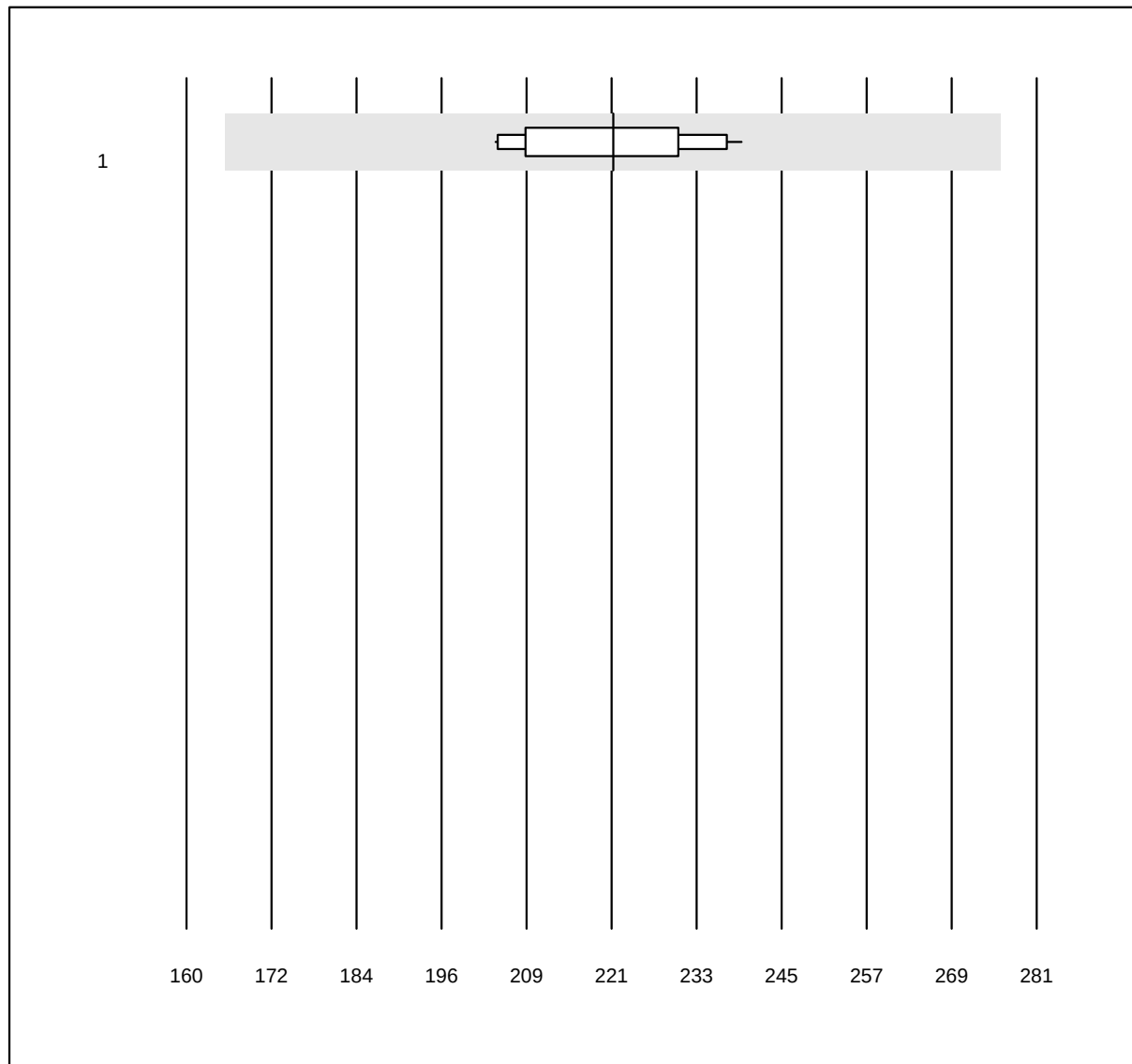


MQ Toleranz: 25%

Alpha-1-Antitrypsin (g/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Abbott	4	100.0	0.0	0.0	1.60	1.6	e
2	Roche	5	100.0	0.0	0.0	1.62	1.4	e
3	Siemens	5	100.0	0.0	0.0	1.84	2.8	e

Anti-Streptolysin-Antibodies



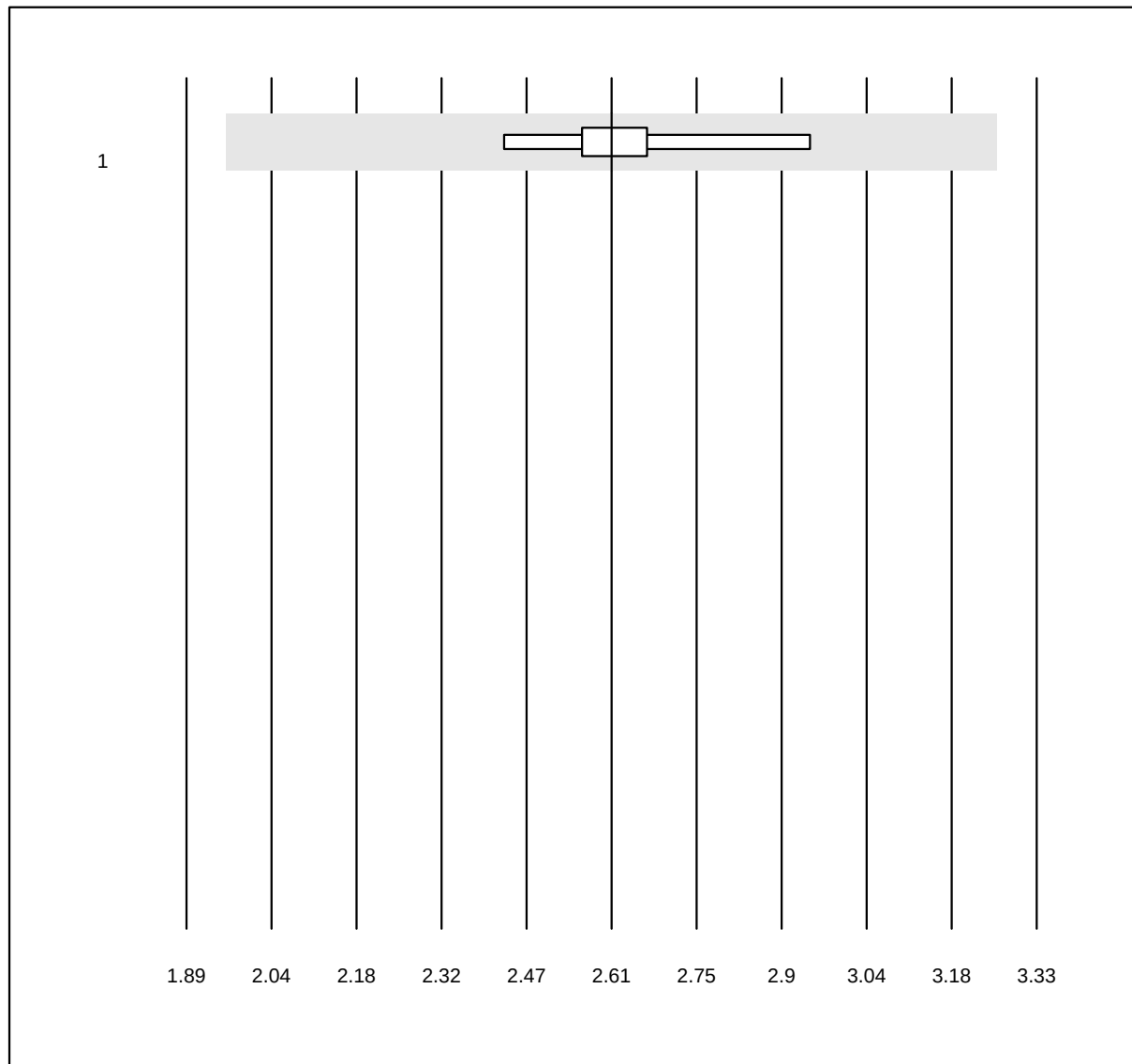
MQ Toleranz: 25%

Anti-Streptolysin-Antibodies
(kIU/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	12	100.0	0.0	0.0	221	5.2	e

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

Beta-2 microglobuline



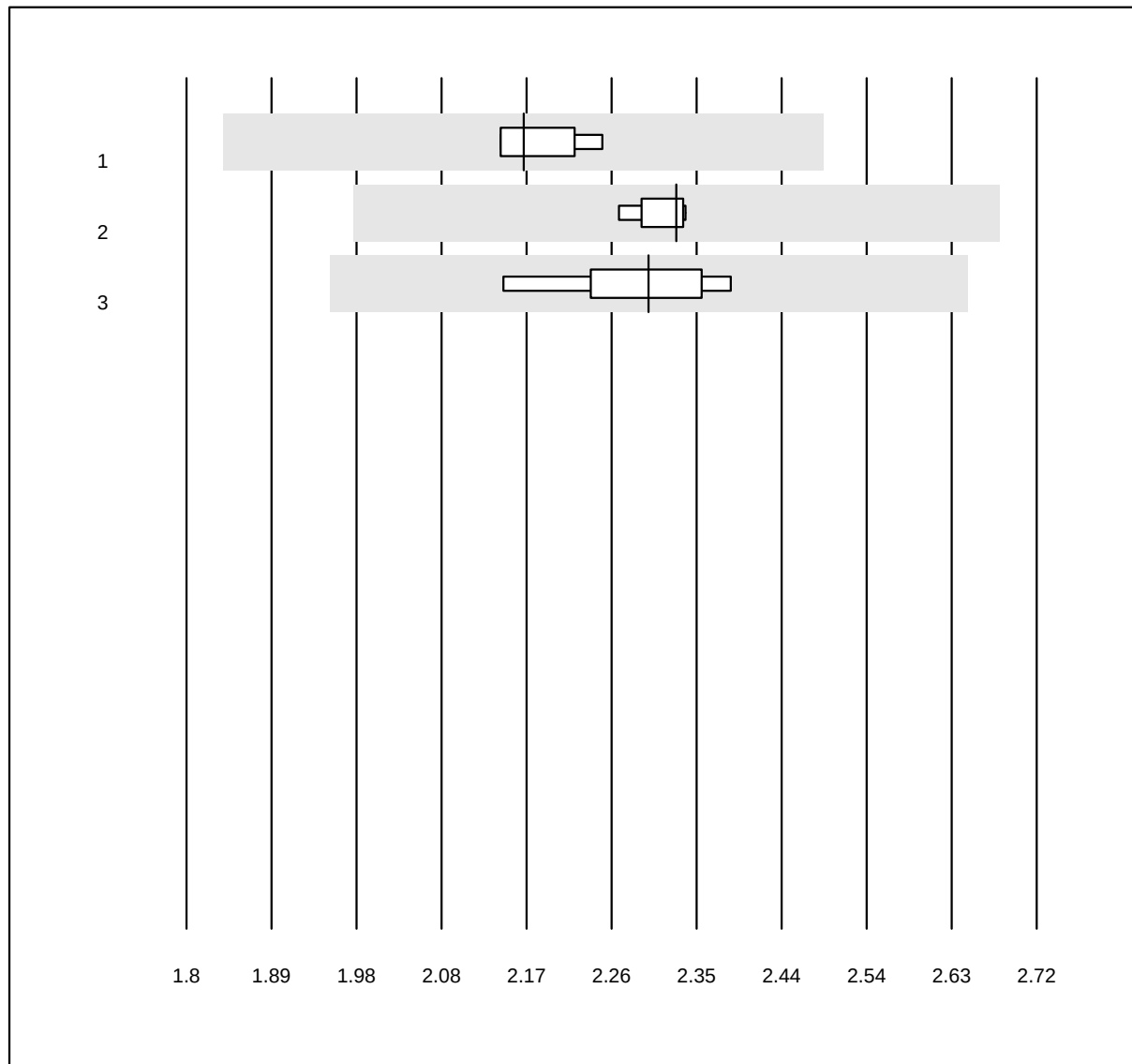
MQ Toleranz: 25%

Beta-2 microglobuline
(mg/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	7	100.0	0.0	0.0	2.61	5.2	e

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

Complement C3



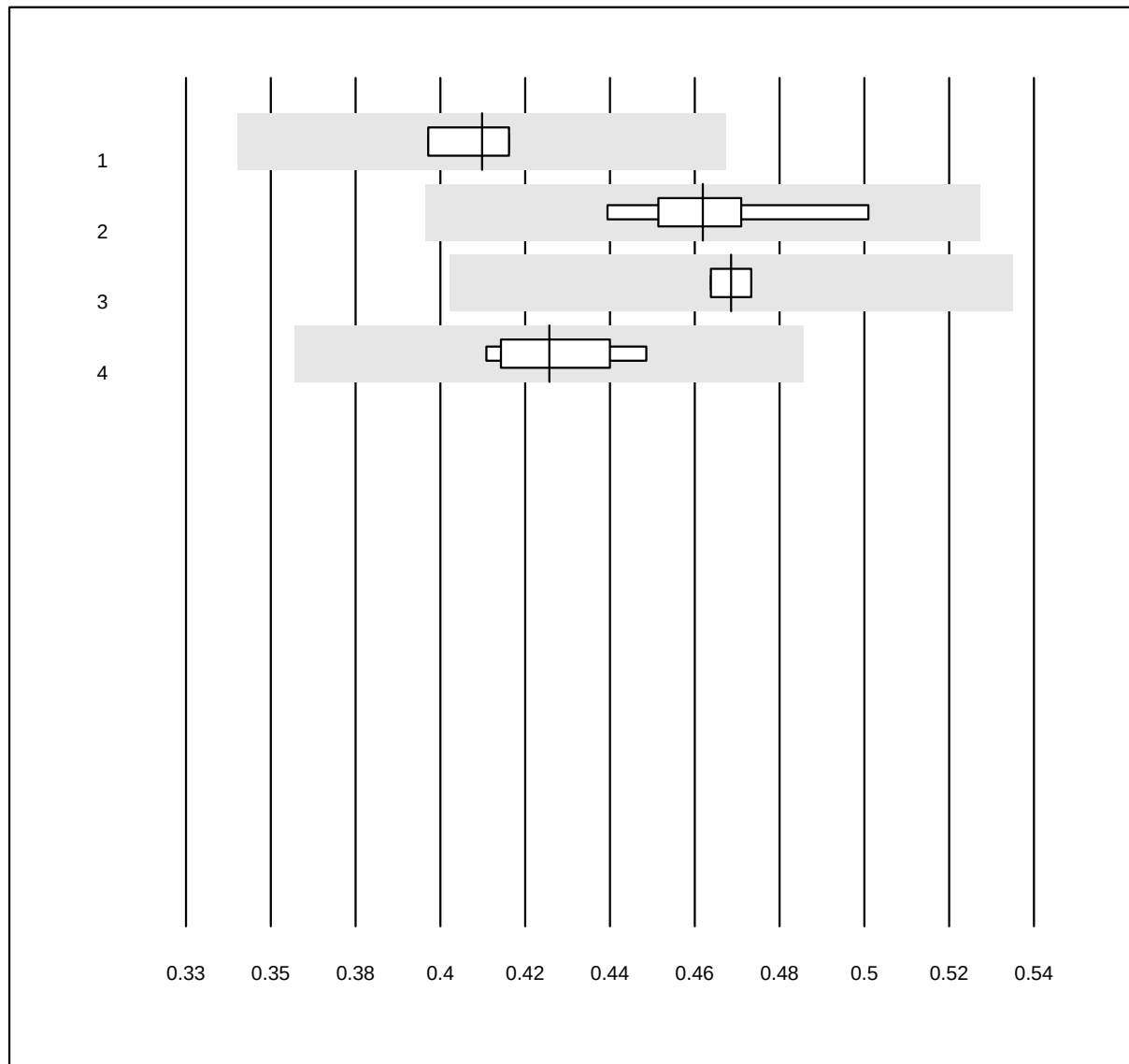
QUALAB Toleranz: 15%

Complement C3 (g/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Abbott	4	100.0	0.0	0.0	2.17	2.0	e
2	Roche	8	100.0	0.0	0.0	2.33	1.1	e
3	Siemens	6	100.0	0.0	0.0	2.30	3.3	e

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

Complement C4

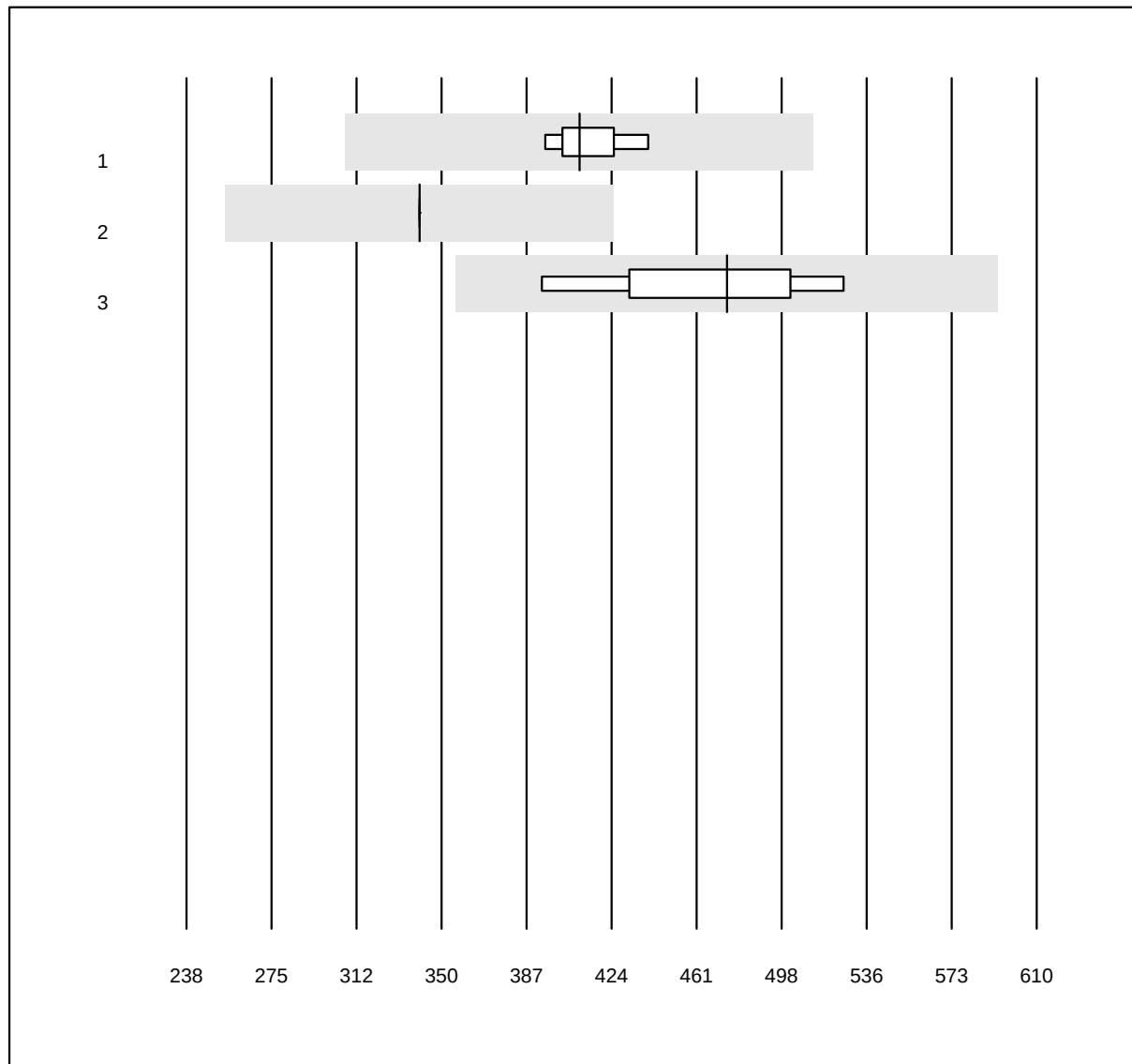


QUALAB Toleranz: 15%

Complement C4 (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	7	100.0	0.0	0.0	0.40	2.2	e
2 Siemens	6	100.0	0.0	0.0	0.46	3.8	e
3 Alinity	4	100.0	0.0	0.0	0.47	1.2	e
4 Other methods	5	100.0	0.0	0.0	0.42	3.3	e

Ceruloplasmin

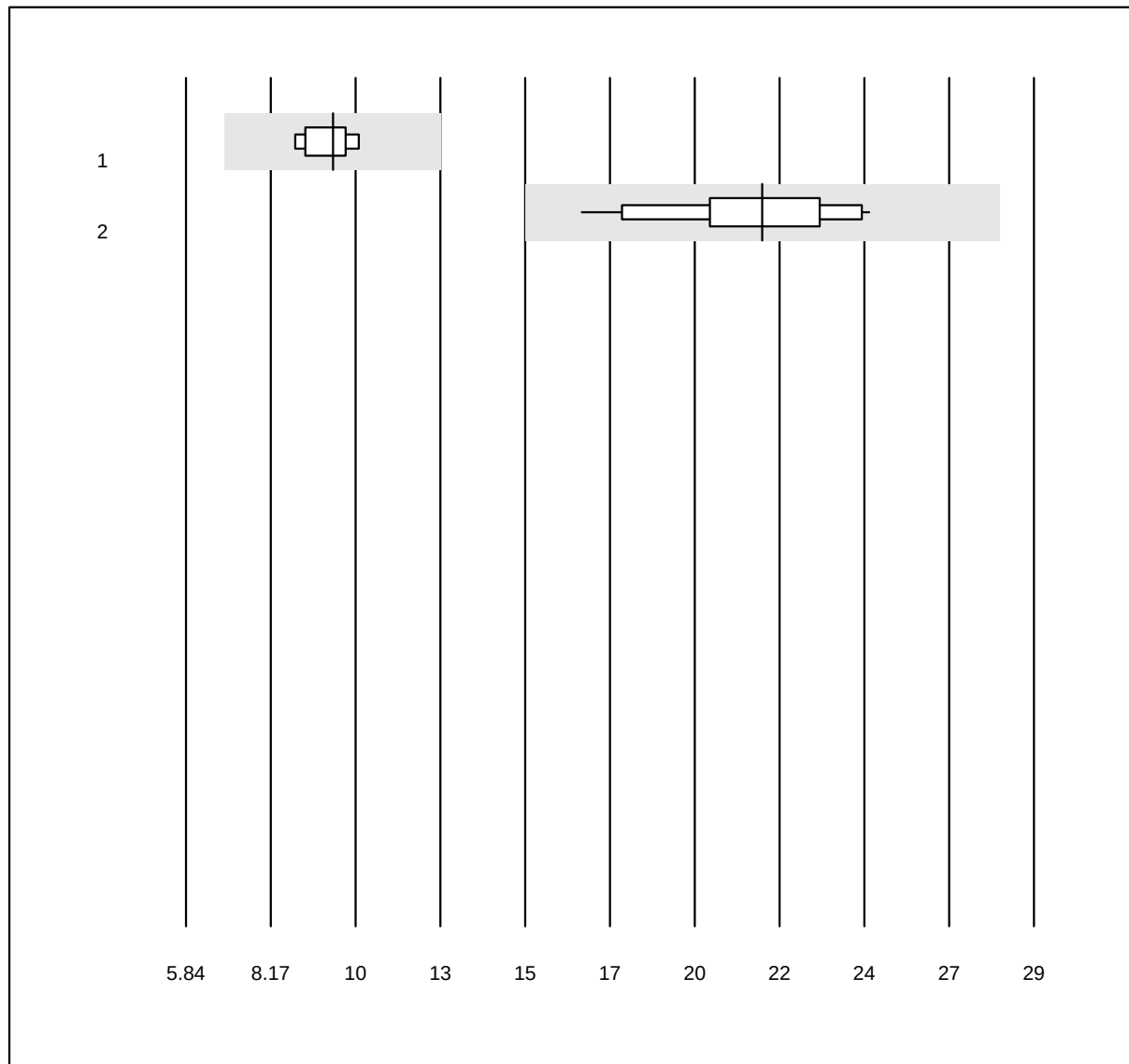


MQ Toleranz: 25%

Ceruloplasmin (mg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	4	100.0	0.0	0.0	410.00	3.1	e
2 Roche	5	100.0	0.0	0.0	340.00	0.0	e
3 Siemens	4	100.0	0.0	0.0	474.50	8.0	e*

free light chain kappa

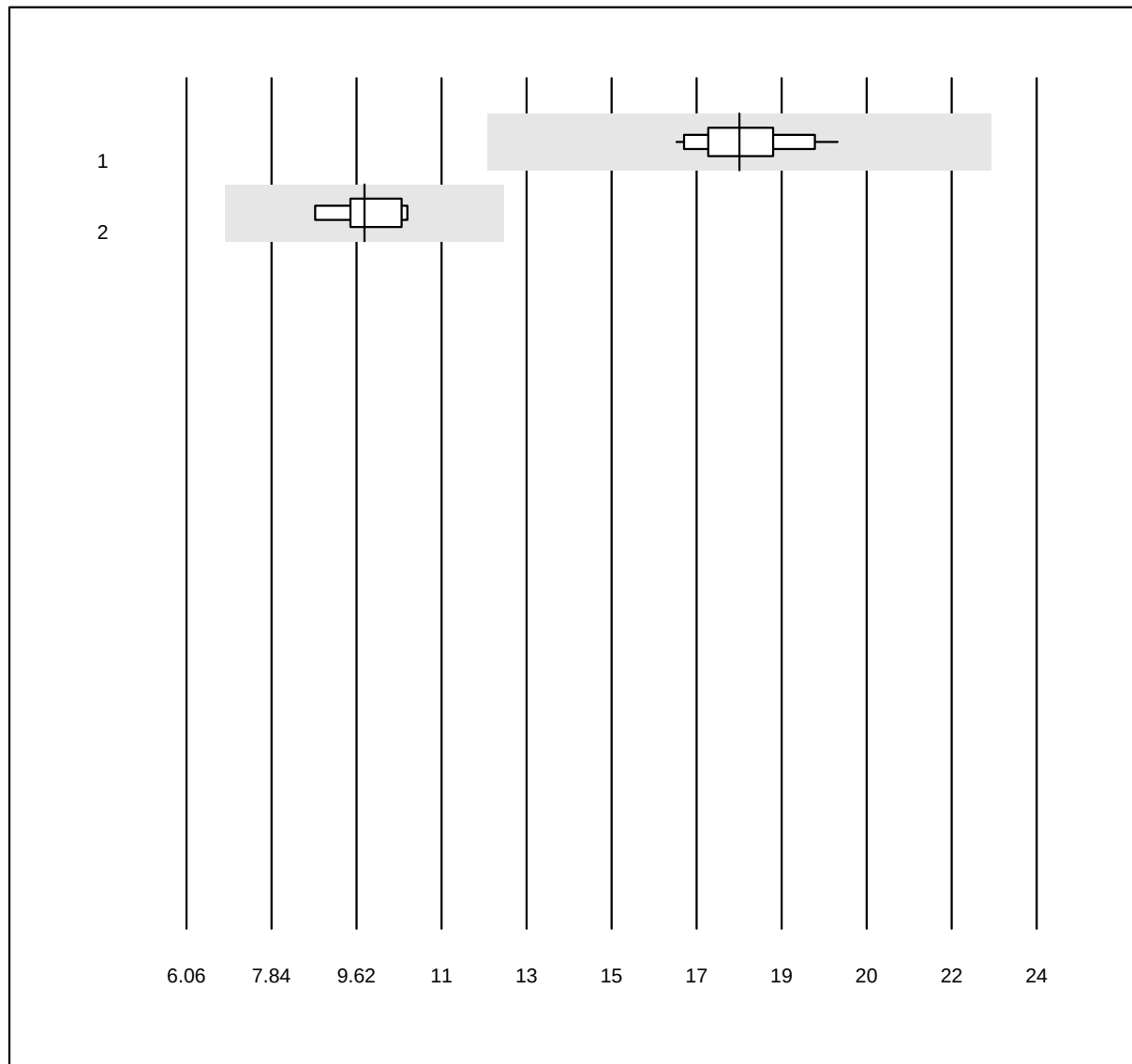


QUALAB Toleranz: 30%

free light chain kappa (mg/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	N Latex	7	100.0	0.0	0.0	9.86	6.2	e
2	Freelite	13	100.0	0.0	0.0	21.58	10.0	e

free light chain lambda

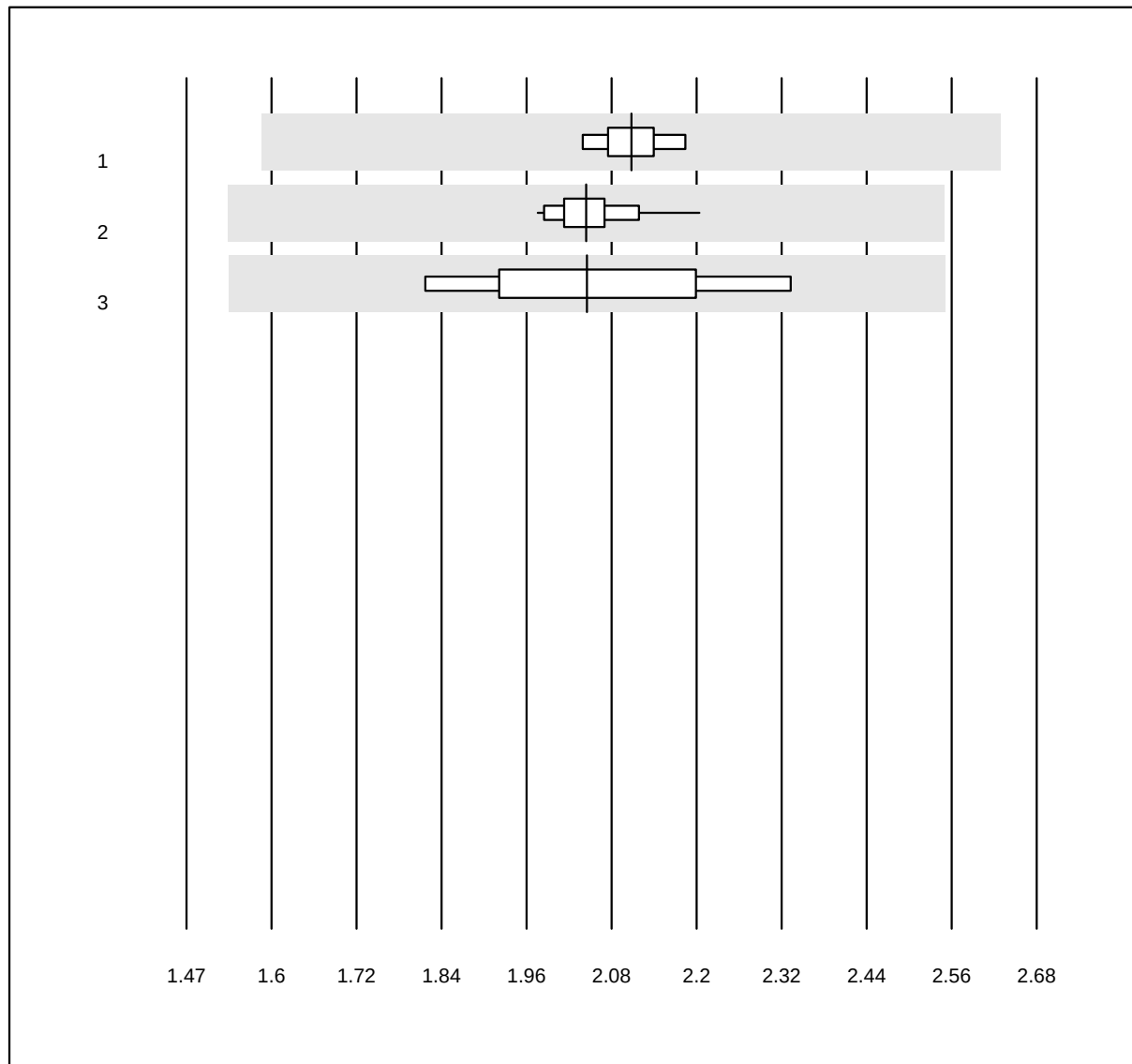


QUALAB Toleranz: 30%

free light chain lambda
(mg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Freelite	13	100.0	0.0	0.0	17.73	5.3	e
2 N Latex	7	100.0	0.0	0.0	9.82	6.4	e

Haptoglobin

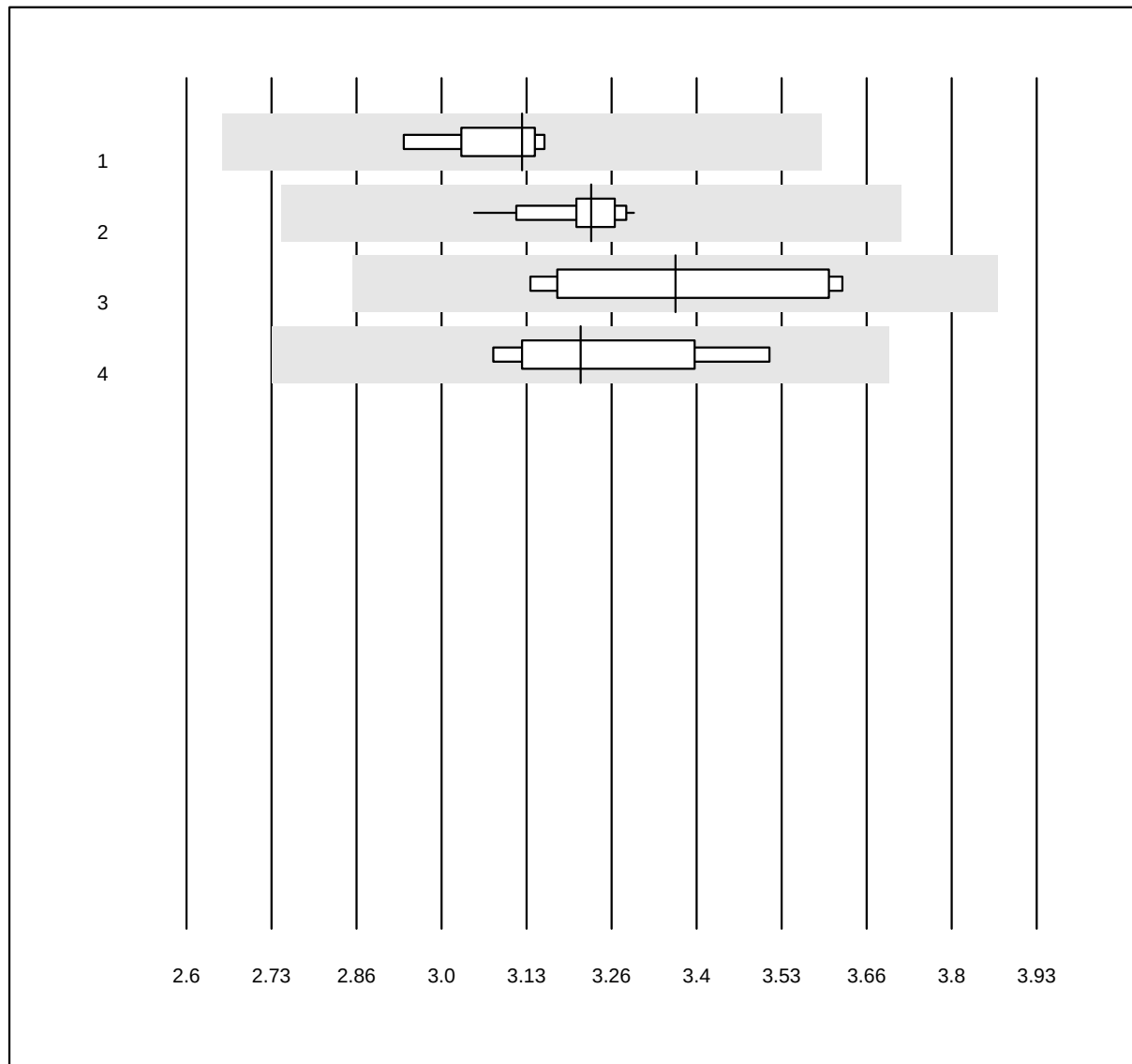


MQ Toleranz: 25%

Haptoglobin (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	5	100.0	0.0	0.0	2.10	1.9	e
2 Roche	22	100.0	0.0	0.0	2.04	2.5	e
3 Siemens	4	100.0	0.0	0.0	2.04	7.2	e*

IgA

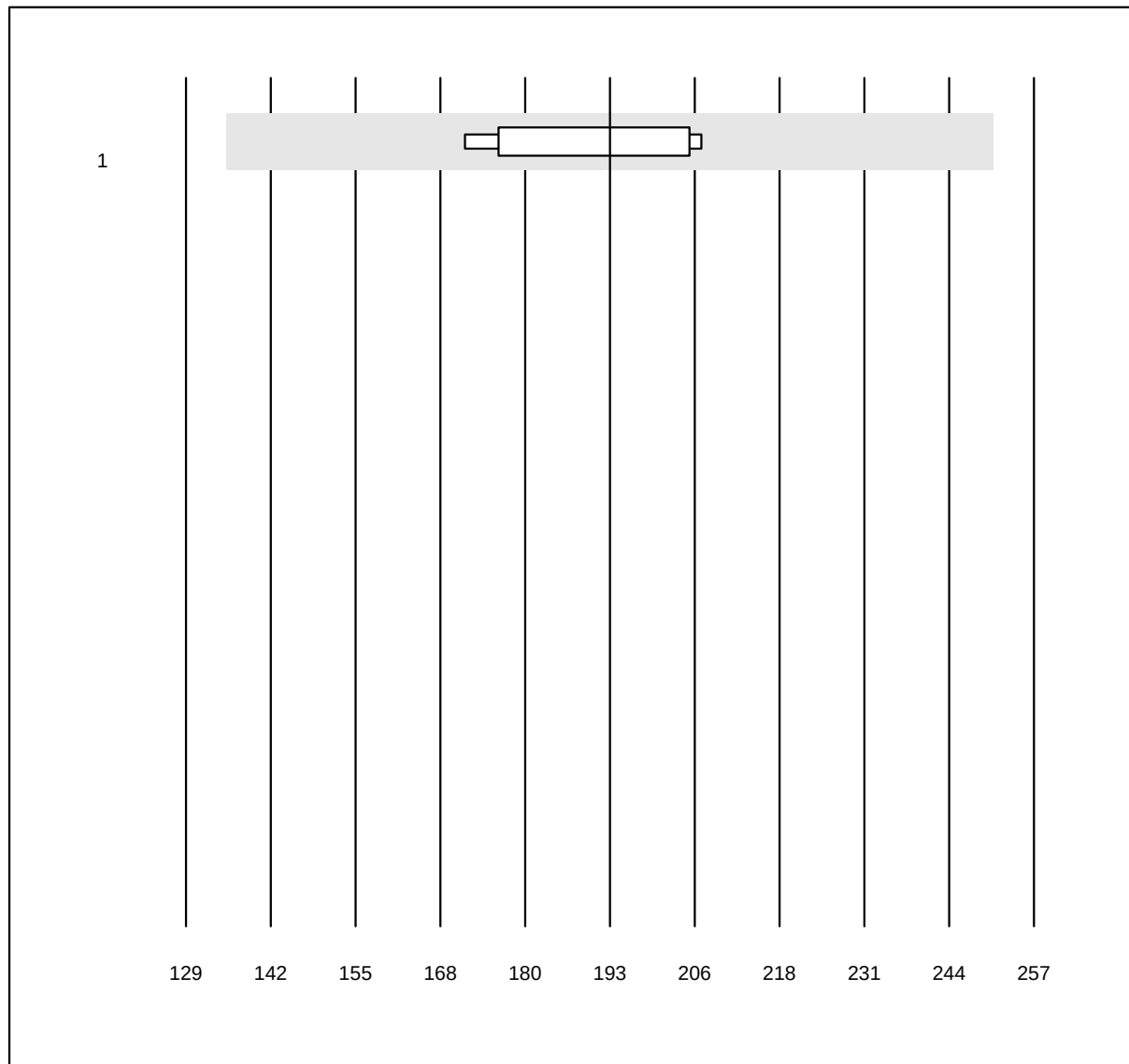


QUALAB Toleranz: 15%

IgA (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	4	100.0	0.0	0.0	3.13	2.2	e
2 Roche	15	100.0	0.0	0.0	3.23	1.9	e
3 Siemens	6	100.0	0.0	0.0	3.37	5.8	e*
4 Other methods	5	100.0	0.0	0.0	3.22	4.6	e*

IgE



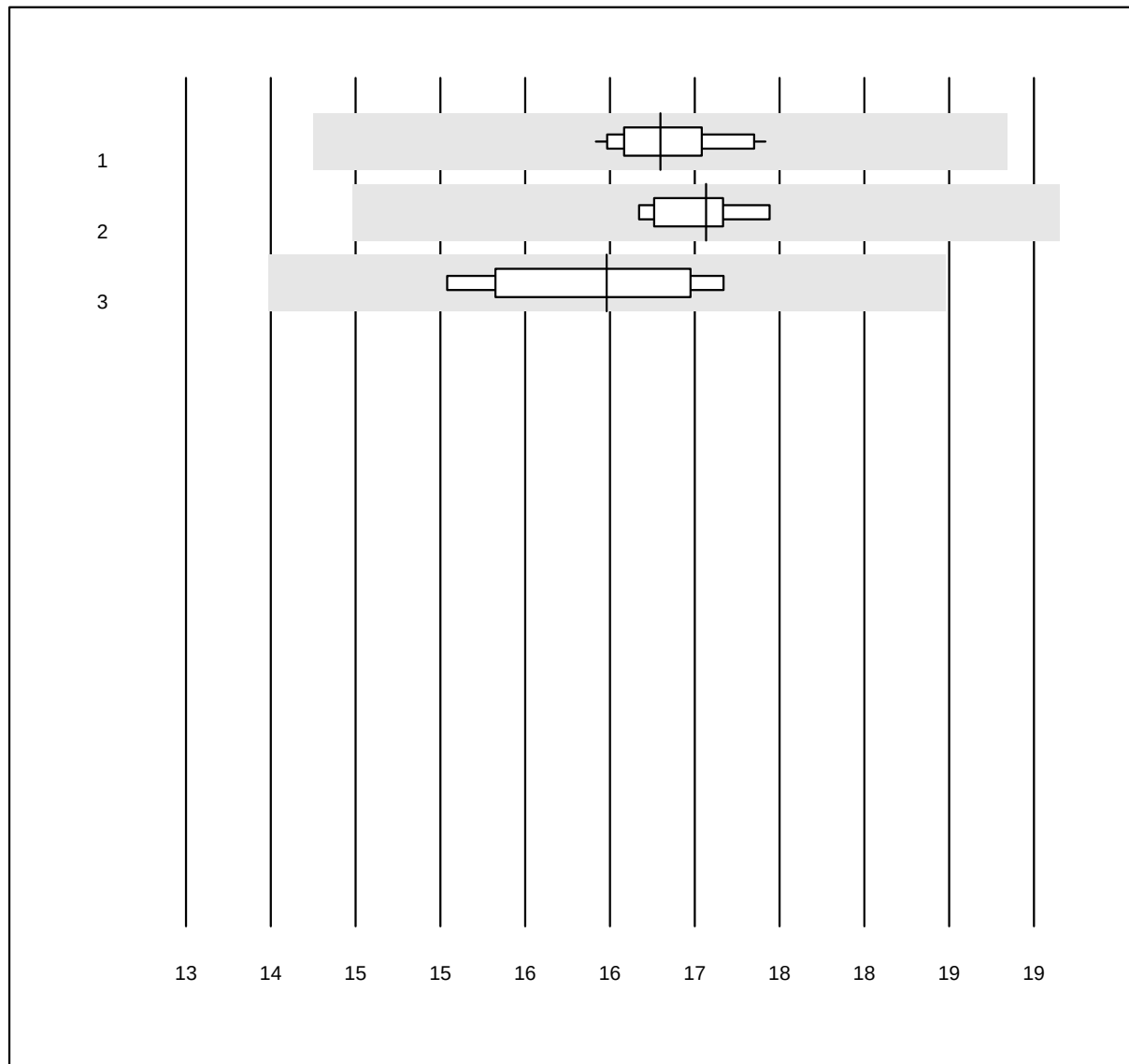
QUALAB Toleranz: 30%

IgE (kU/L)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	5	100.0	0.0	0.0	193	7.7	e

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

IgG



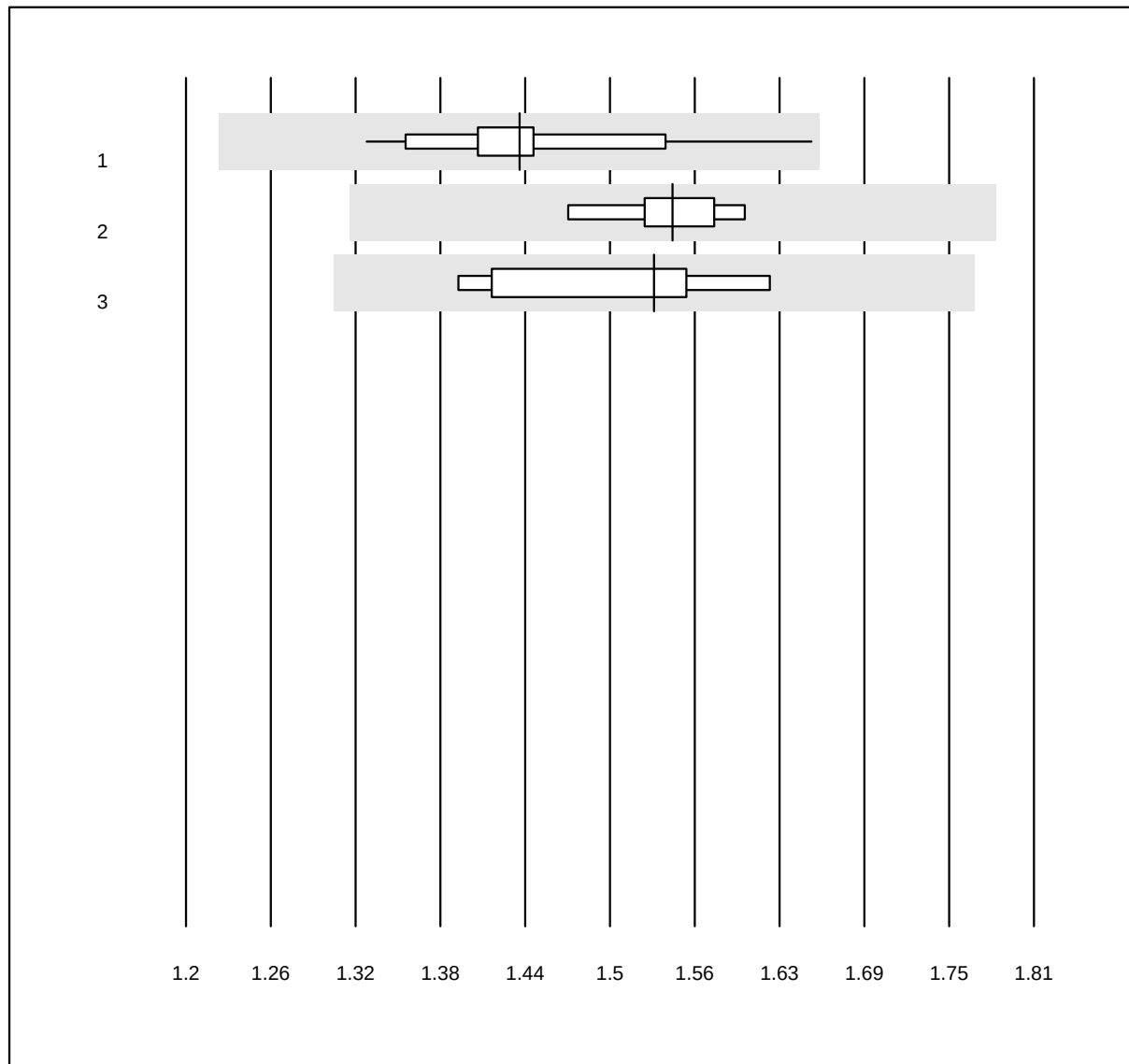
QUALAB Toleranz: 15%

IgG (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	17	100.0	0.0	0.0	16.36	2.1	e
2 Siemens	8	100.0	0.0	0.0	16.68	1.8	e
3 Other methods	5	100.0	0.0	0.0	15.98	4.5	e*

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

IgM

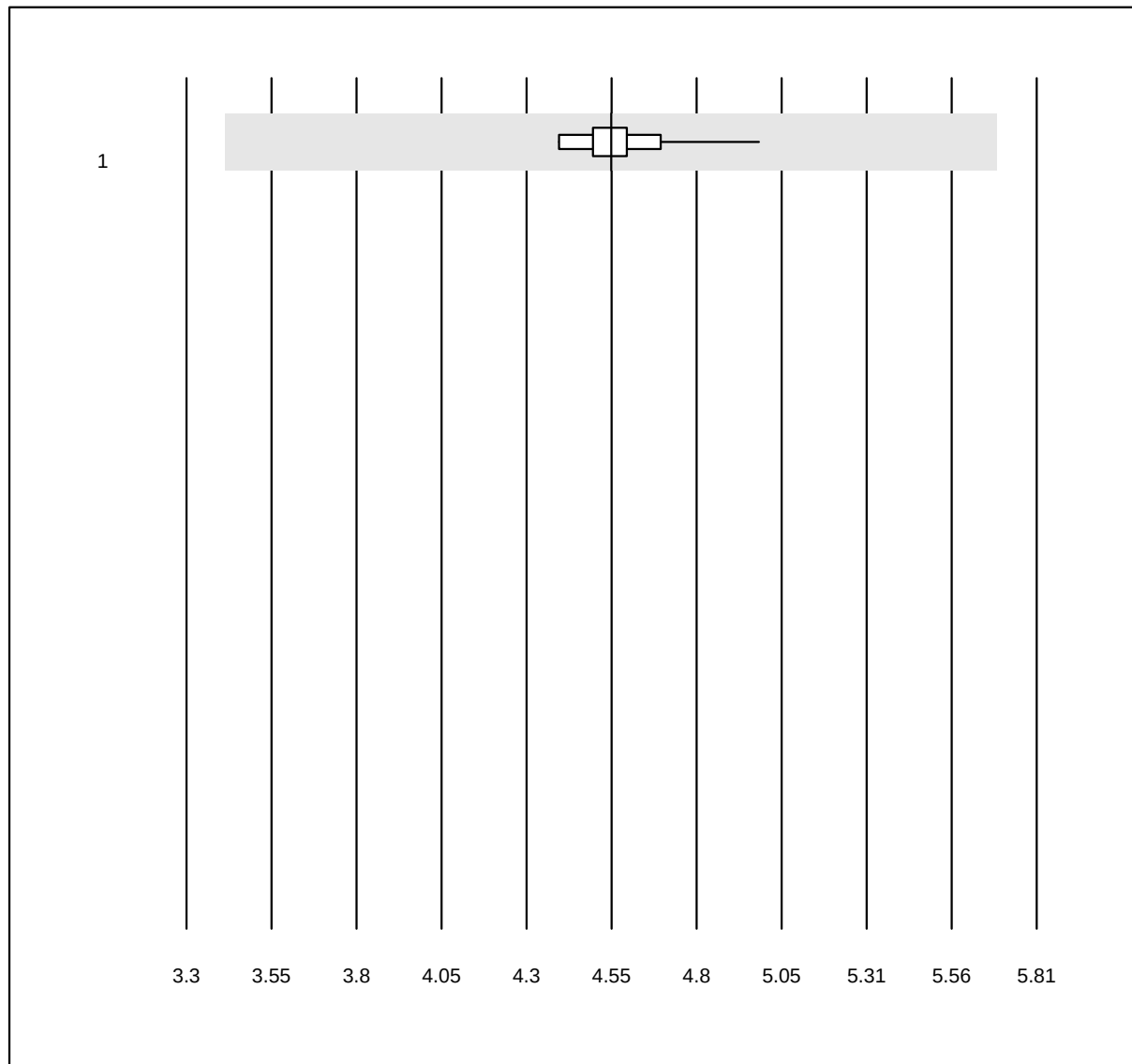


QUALAB Toleranz: 15%

IgM (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	16	100.0	0.0	0.0	1.44	4.8	a
2 Siemens	8	100.0	0.0	0.0	1.55	2.5	e
3 Turbidimetry	7	100.0	0.0	0.0	1.54	5.2	e*

Soluble transferrin receptor



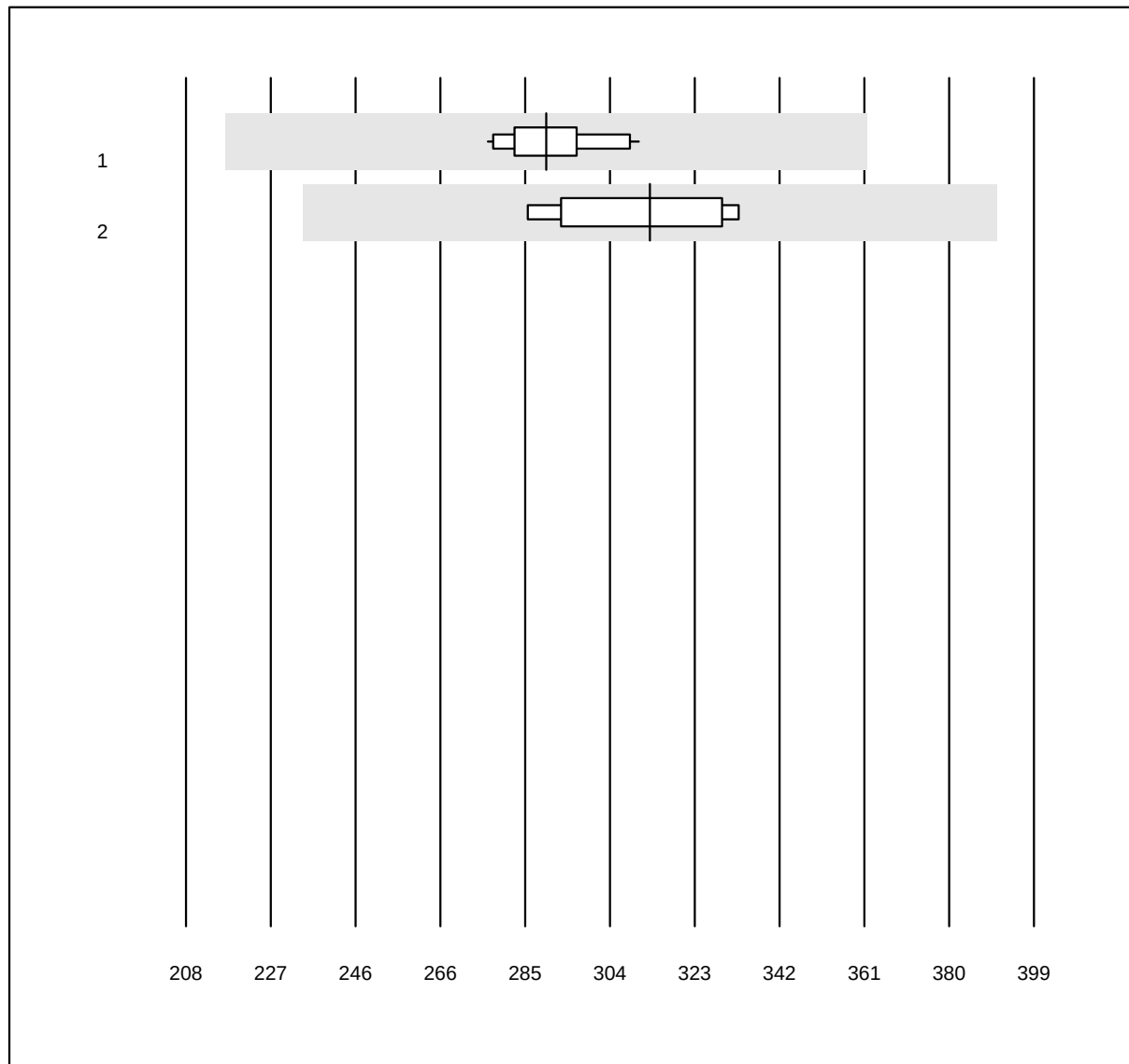
MQ Toleranz: 25%

Soluble transferrin receptor
(mg/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	19	100.0	0.0	0.0	4.6	2.8	e

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

Prealbumin



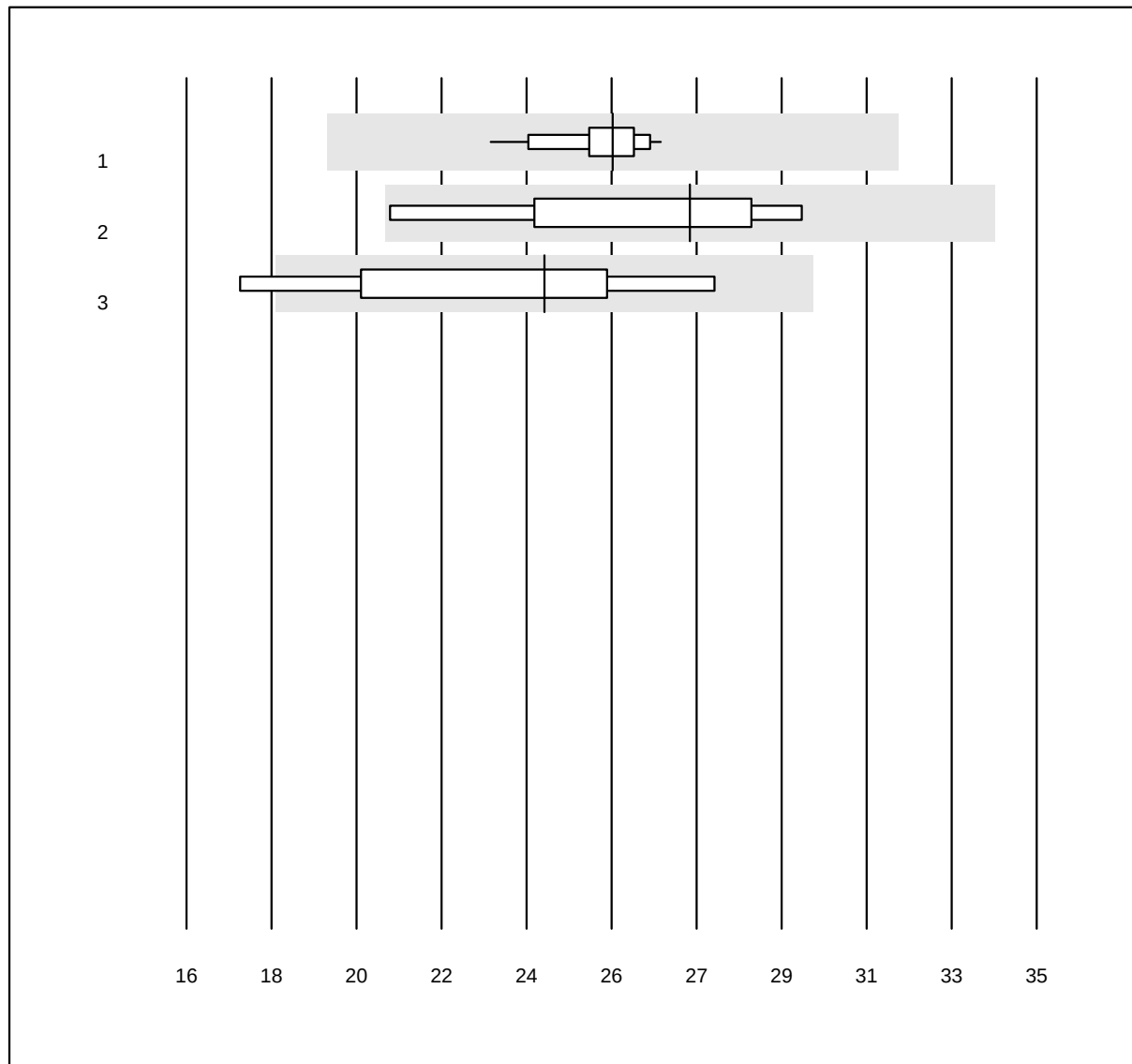
MQ Toleranz: 25%

Prealbumin (mg/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	11	100.0	0.0	0.0	289.16	3.4	e
2	all Participants	4	100.0	0.0	0.0	312.50	6.2	e*

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

Rheumatoid factor



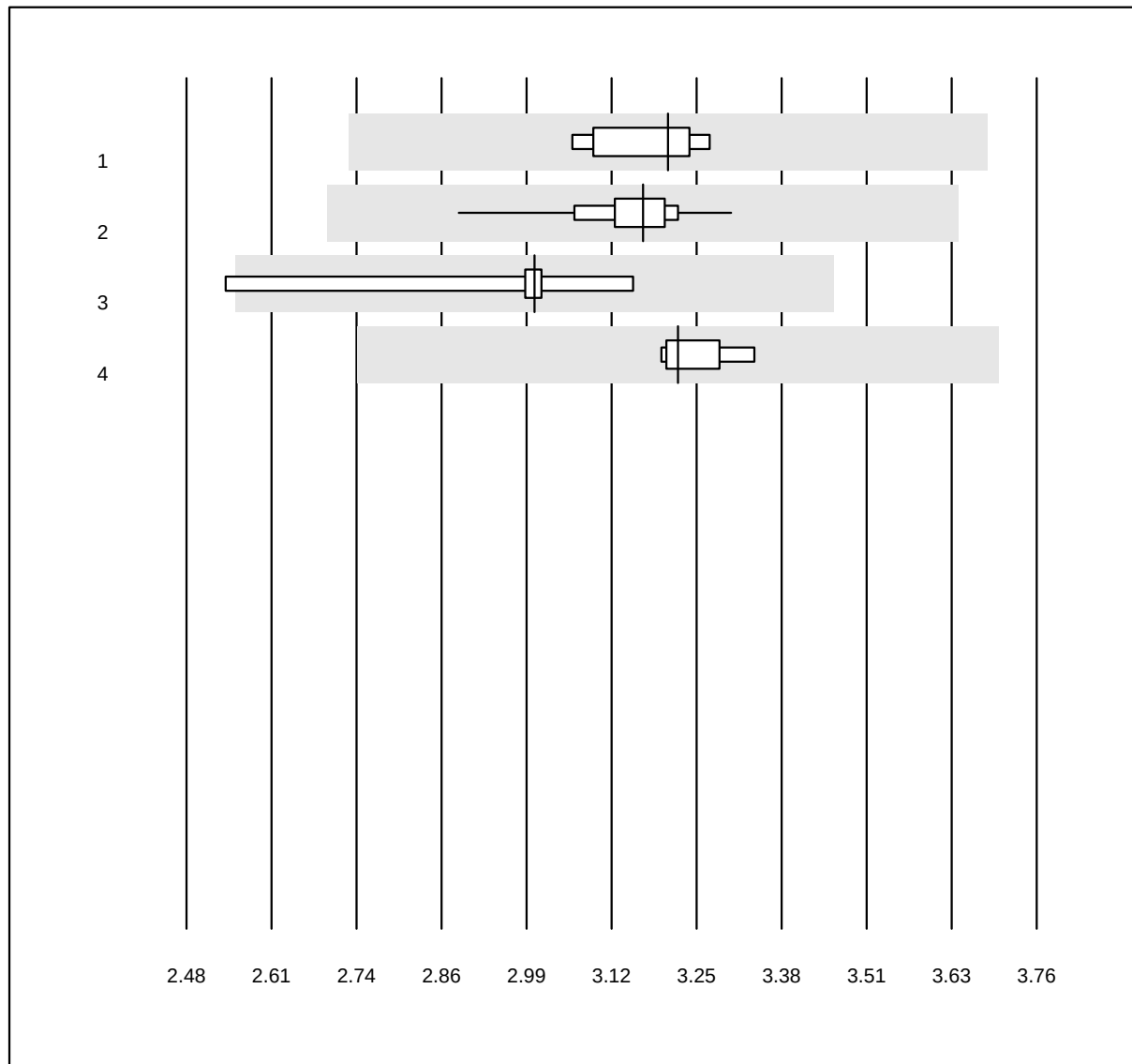
MQ Toleranz: 25%

Rheumatoid factor (U/ml)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	15	100.0	0.0	0.0	25.5	3.7	e
2 Siemens	4	100.0	0.0	0.0	27.3	10.2	e*
3 Other methods	4	100.0	0.0	0.0	24.0	13.0	a*

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

Transferrin

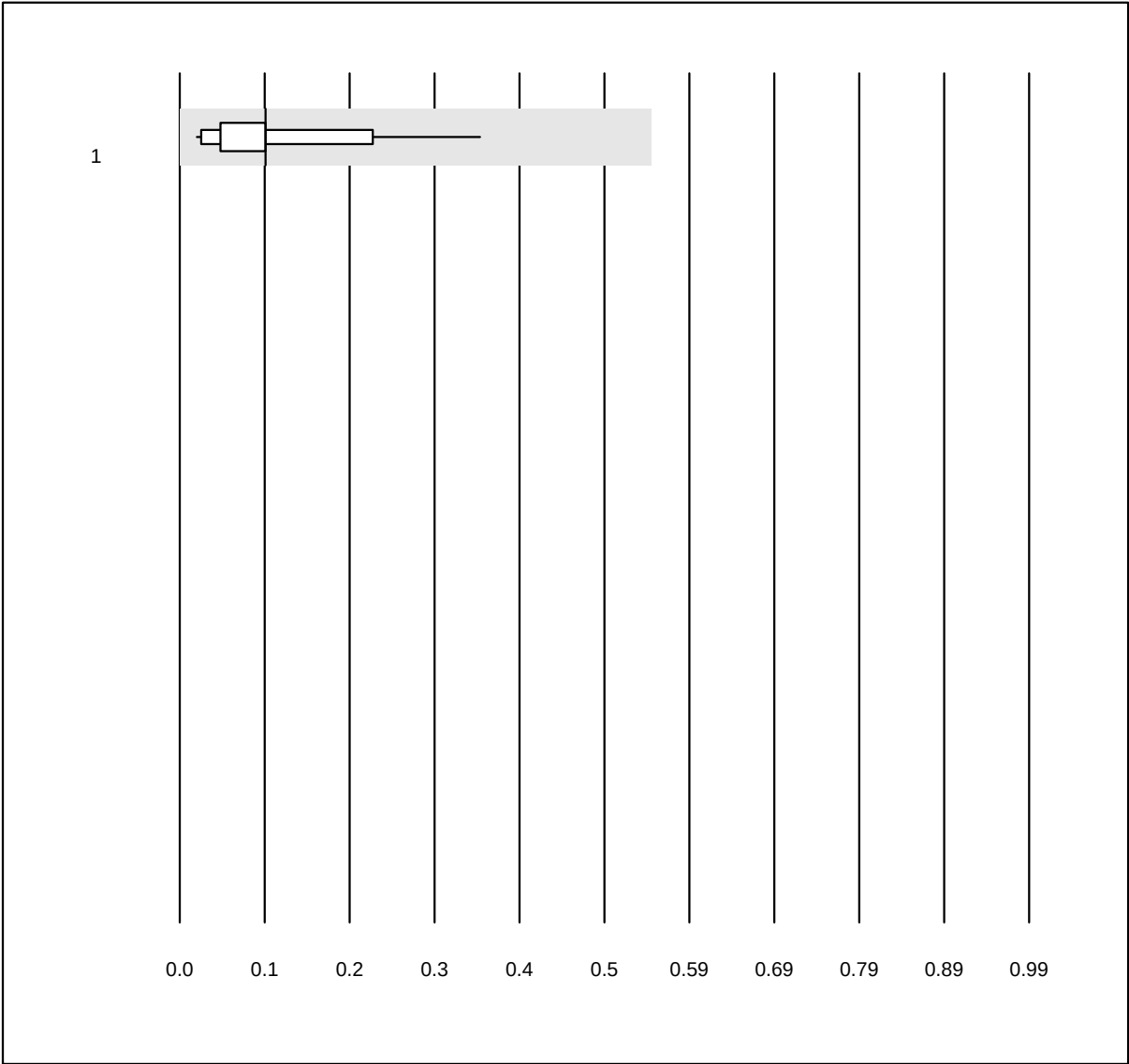


QUALAB Toleranz: 15%

Transferrin (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	6	100.0	0.0	0.0	3.21	2.4	e
2 Roche	29	100.0	0.0	0.0	3.17	2.5	e
3 Siemens	8	100.0	0.0	0.0	3.00	5.5	e*
4 Other methods	4	100.0	0.0	0.0	3.22	1.4	e

IgE birch qn

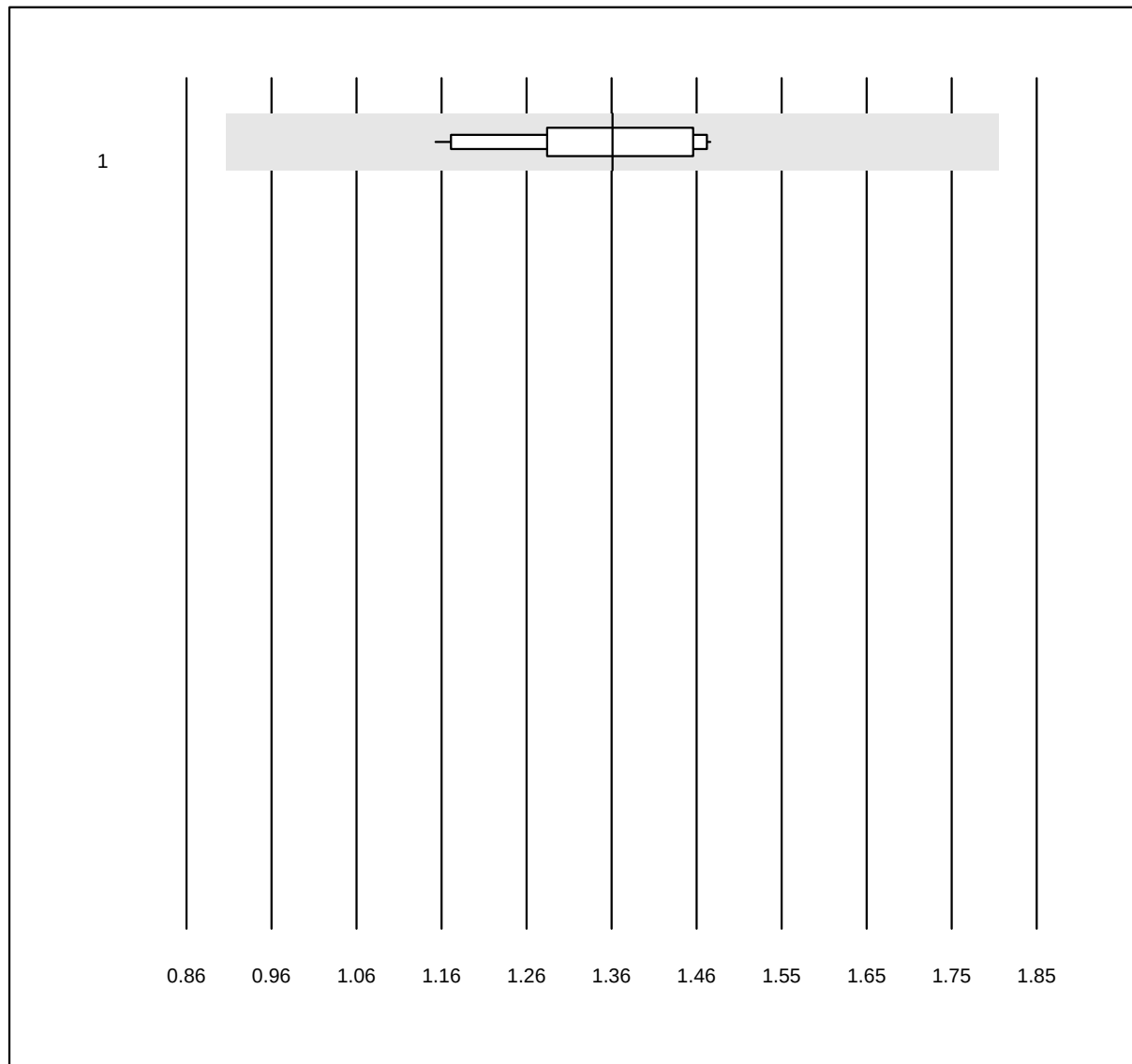


QUALAB Toleranz: 30%
(< 1.5: +/- 0.45 kU/L)

IgE birch qn (kU/L)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 all Participants	14	100.0	0.0	0.0	0.10	79.0	e
1 additional results were submitted but not published because the method groups were too small. (< results per group)							

IgE D. pteronyssinus qn



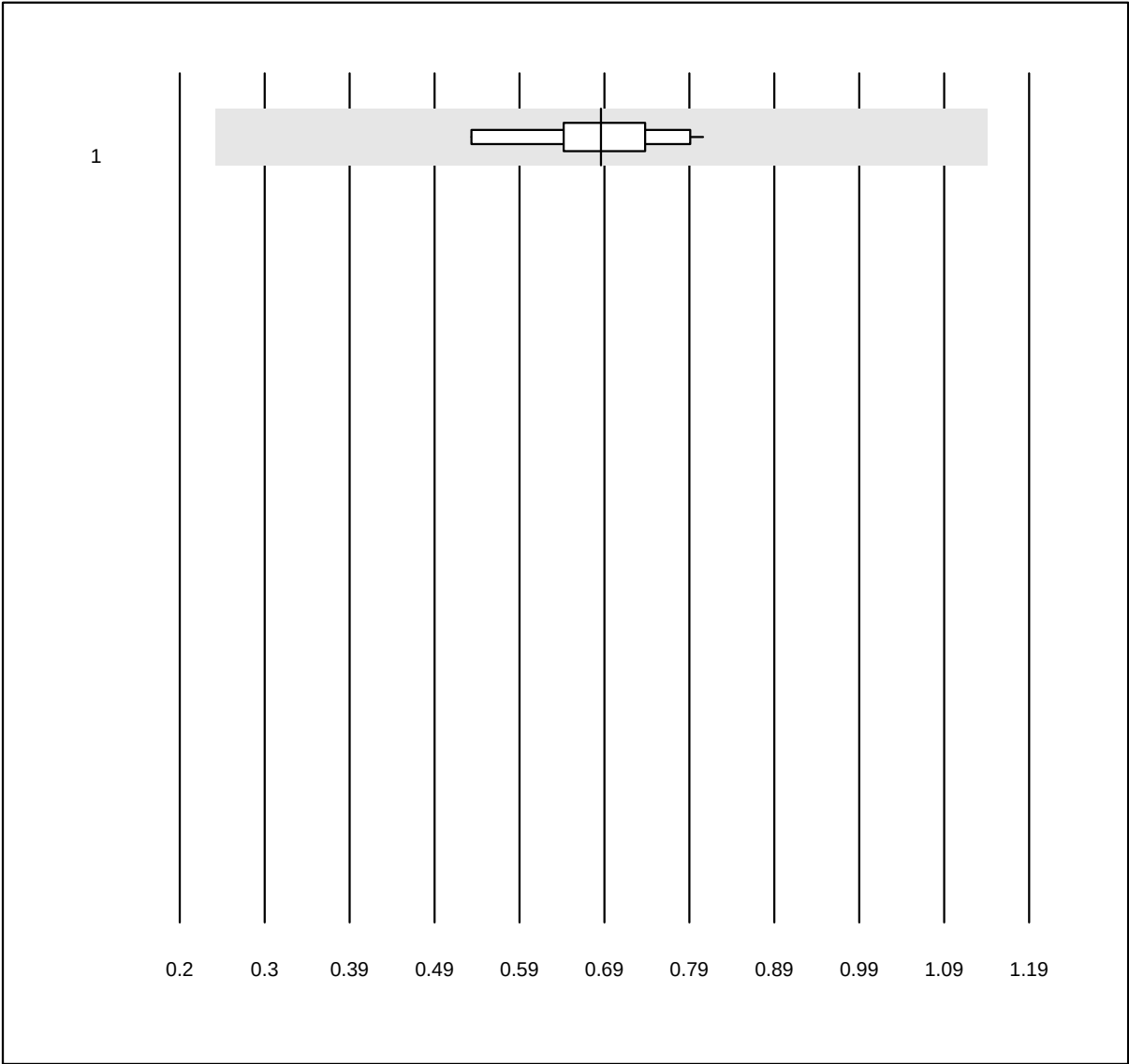
QUALAB Toleranz: 30%
(< 1.5: +/- 0.45 kU/L)

IgE D. pteronyssinus qn
(kU/L)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 all Participants	11	100.0	0.0	0.0	1.36	7.6	e

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

IgE peanut qn



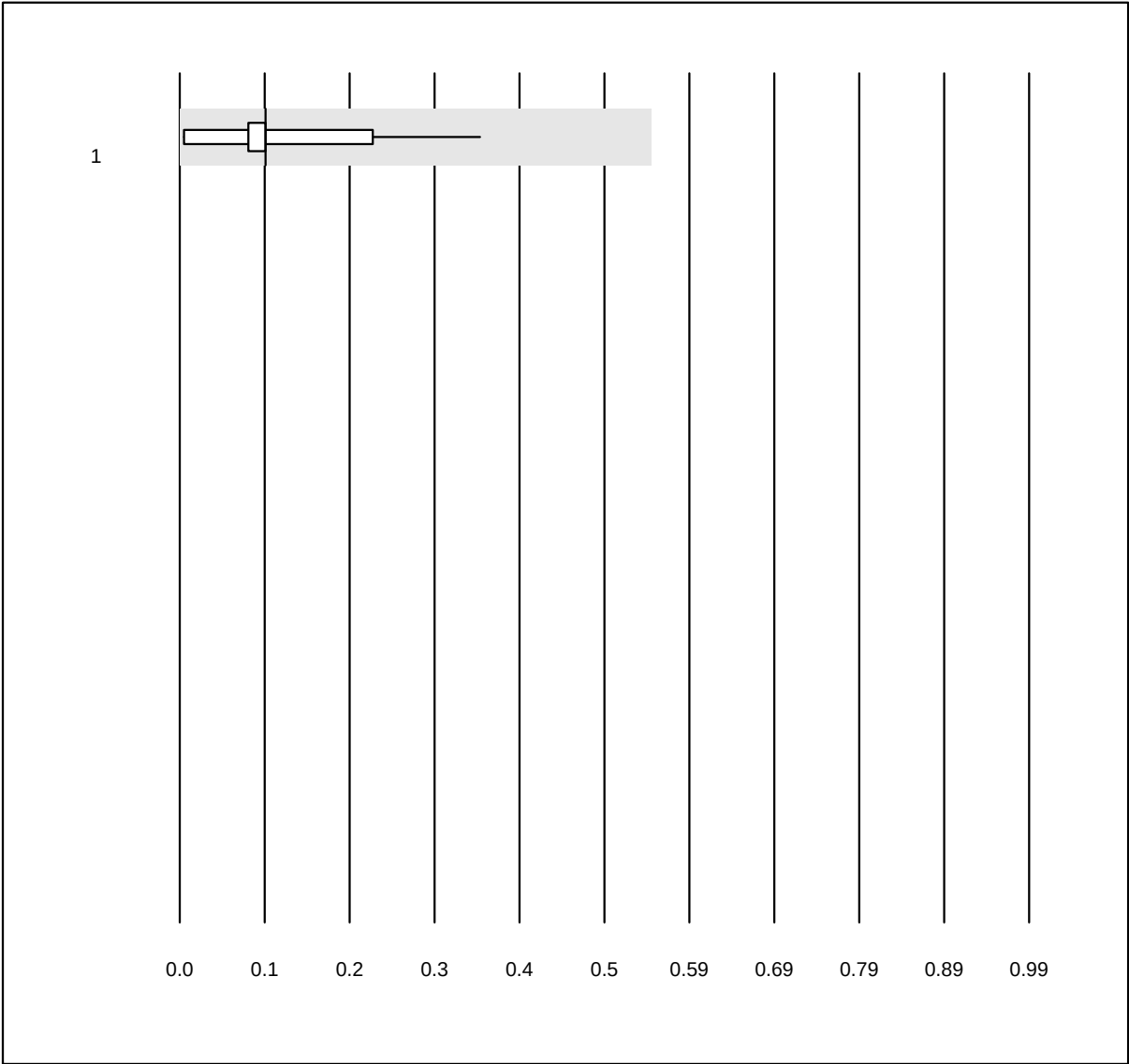
MQ Toleranz: 30%
(< 1.5: +/- 0.45 kU/L)

IgE peanut qn (kU/L)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	all Participants	12	100.0	0.0	0.0	0.69	11.8	e

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

IgE cat qn



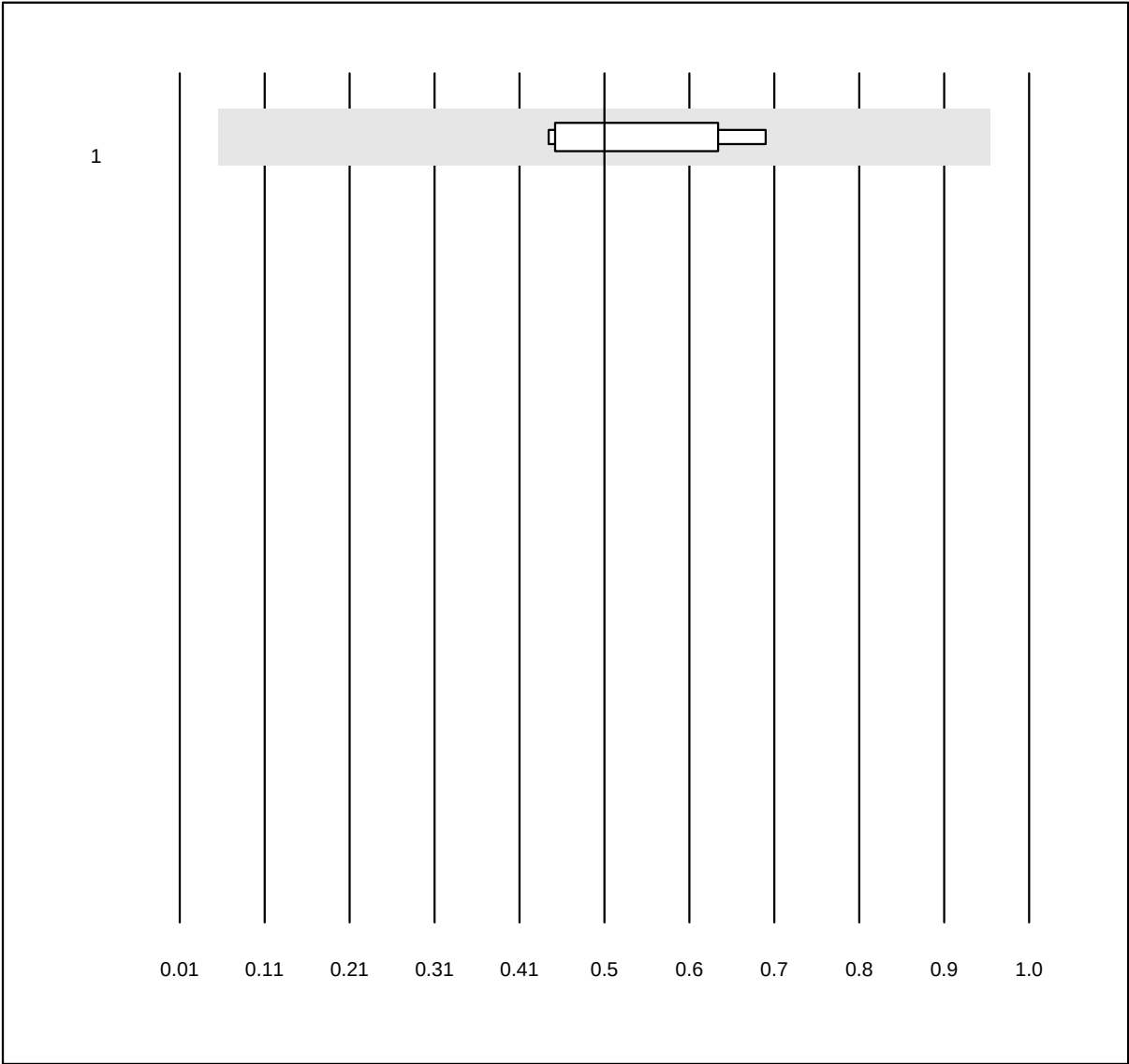
QUALAB Toleranz: 30%
(< 1.5: +/- 0.45 kU/L)

IgE cat qn (kU/L)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	all Participants	14	100.0	0.0	0.0	0.10	83.0	e

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

IgE fx5 qn

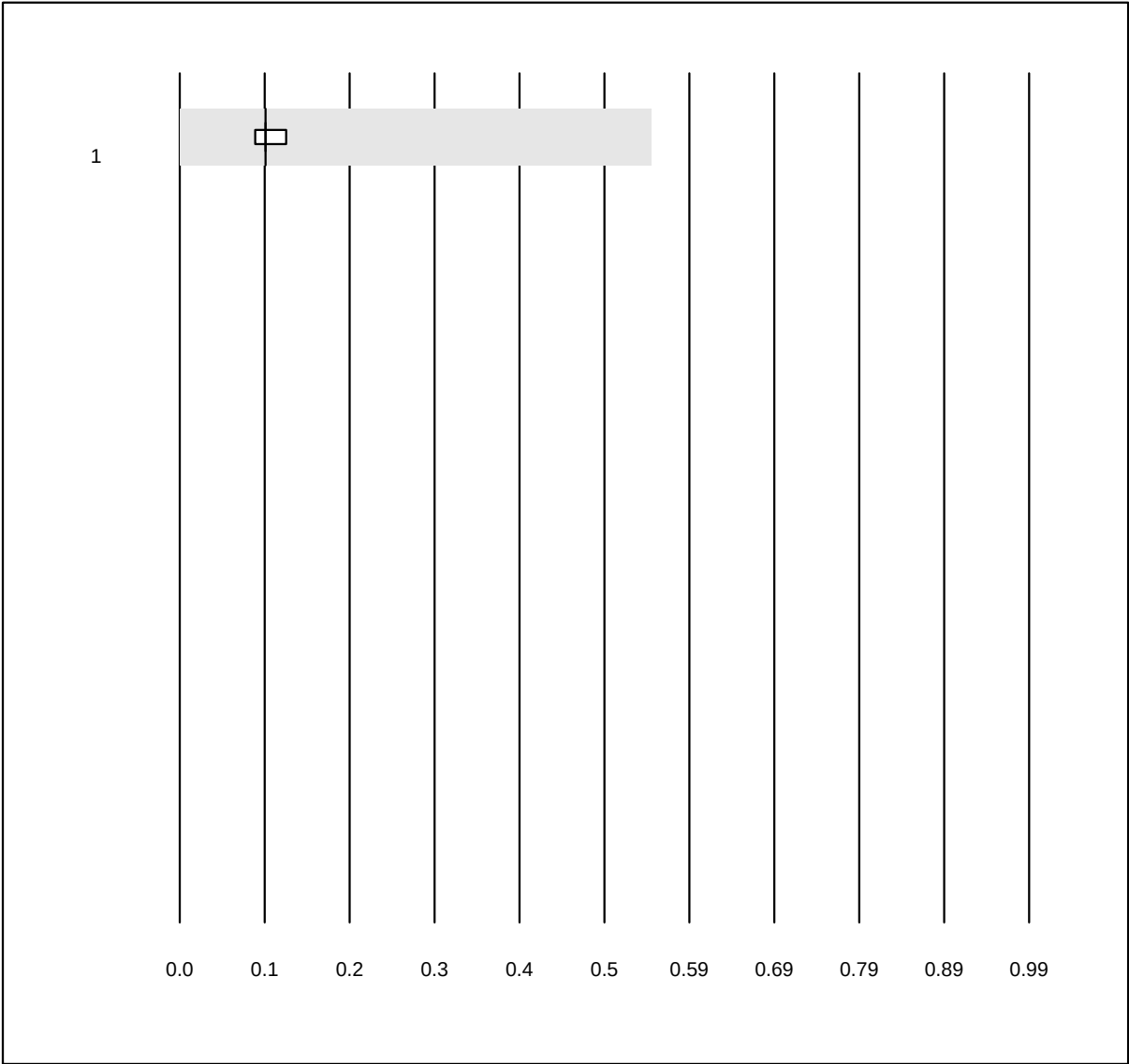


MQ Toleranz: 30%
(< 1.5: +/- 0.45 kU/L)

IgE fx5 qn (kU/L)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	all Participants	8	100.0	0.0	0.0	0.51	18.3	e

IgE rx1qn

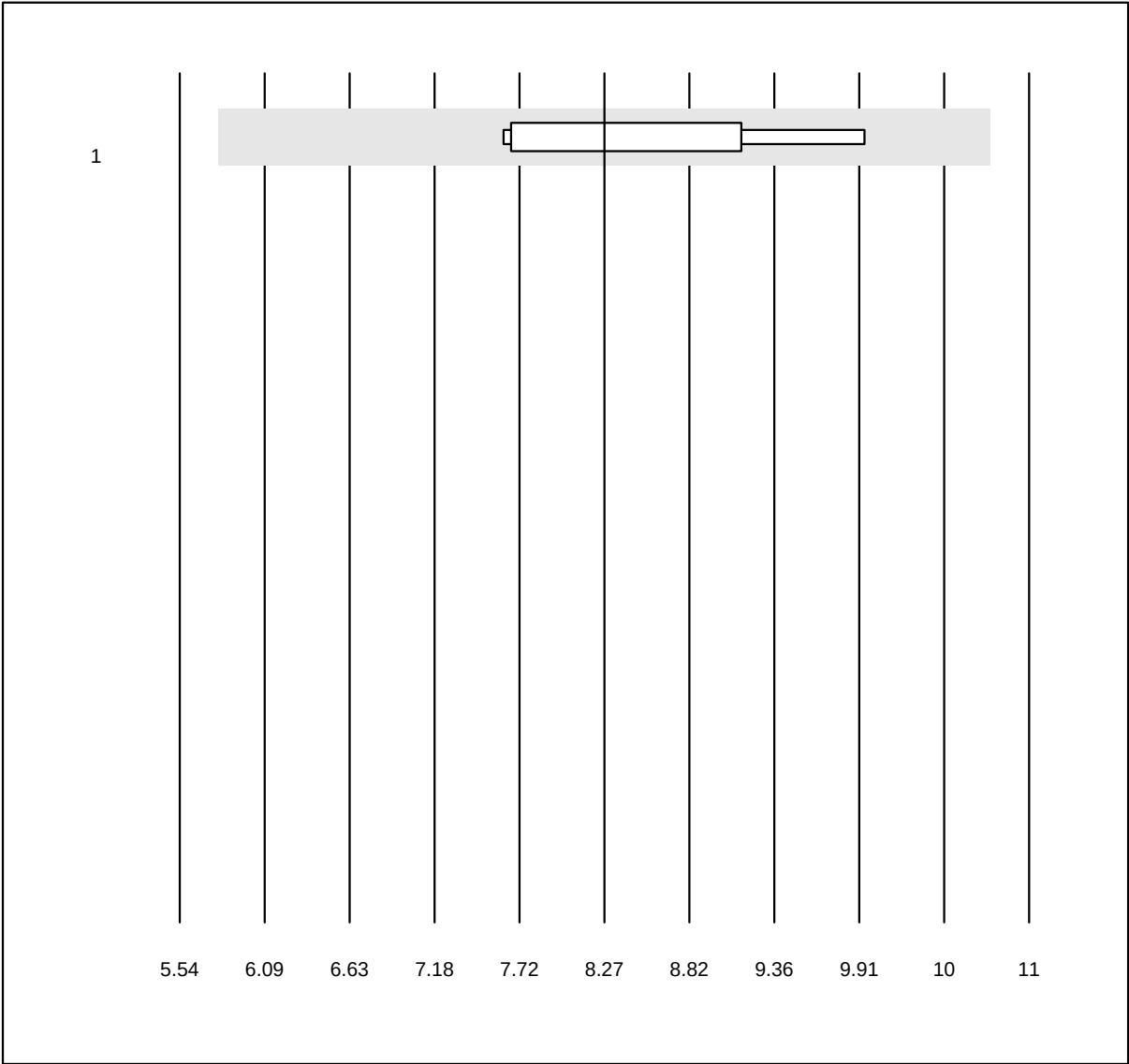


MQ Toleranz: 30%
(< 1.5: +/- 0.45 kU/L)

IgE rx1qn (kU/L)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 all Participants	7	100.0	0.0	0.0	0.10	8.9	e

IgE rx2 qn

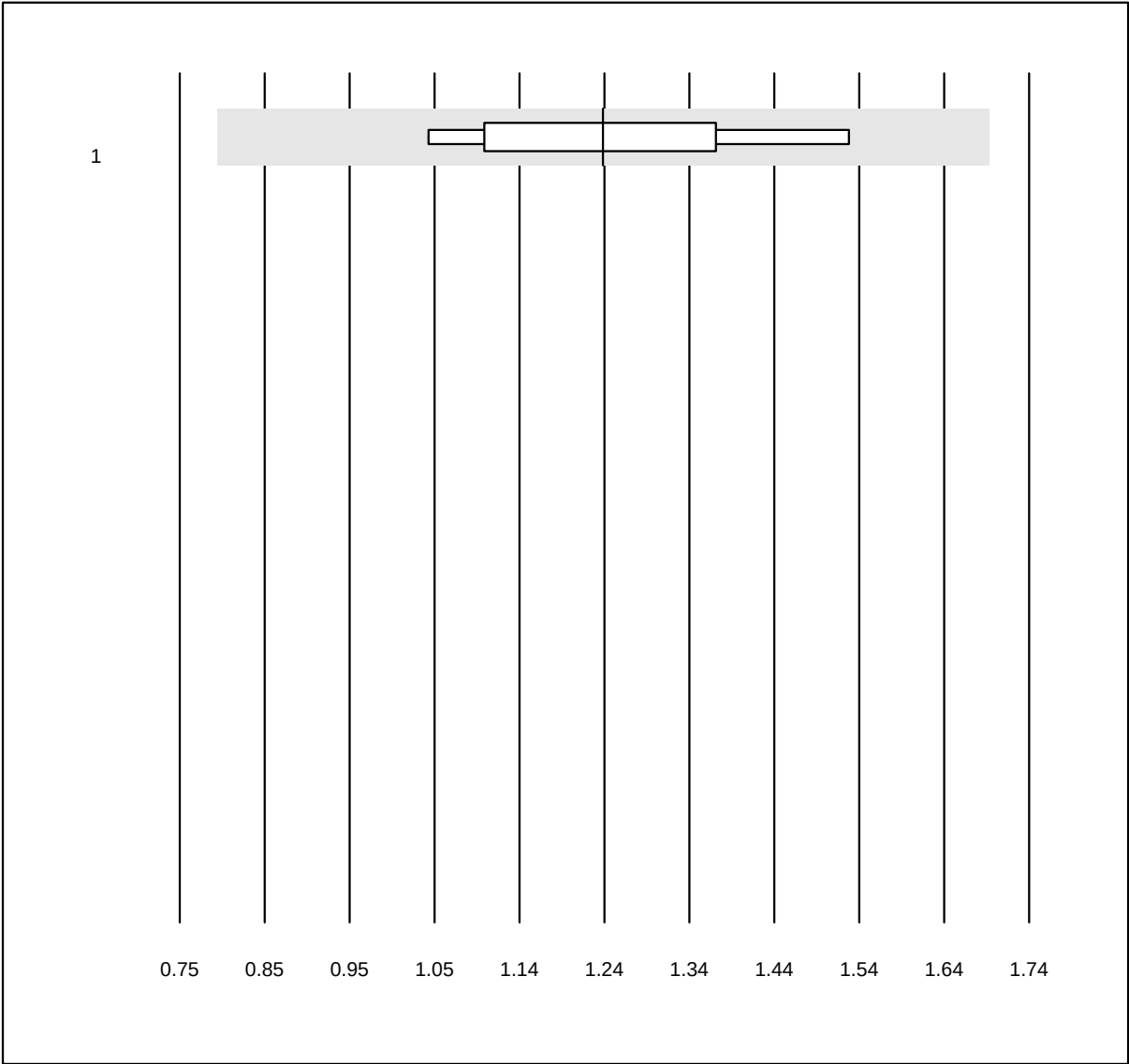


MQ Toleranz: 30%

IgE rx2 qn (kU/L)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	all Participants	7	100.0	0.0	0.0	8.27	10.1	e*

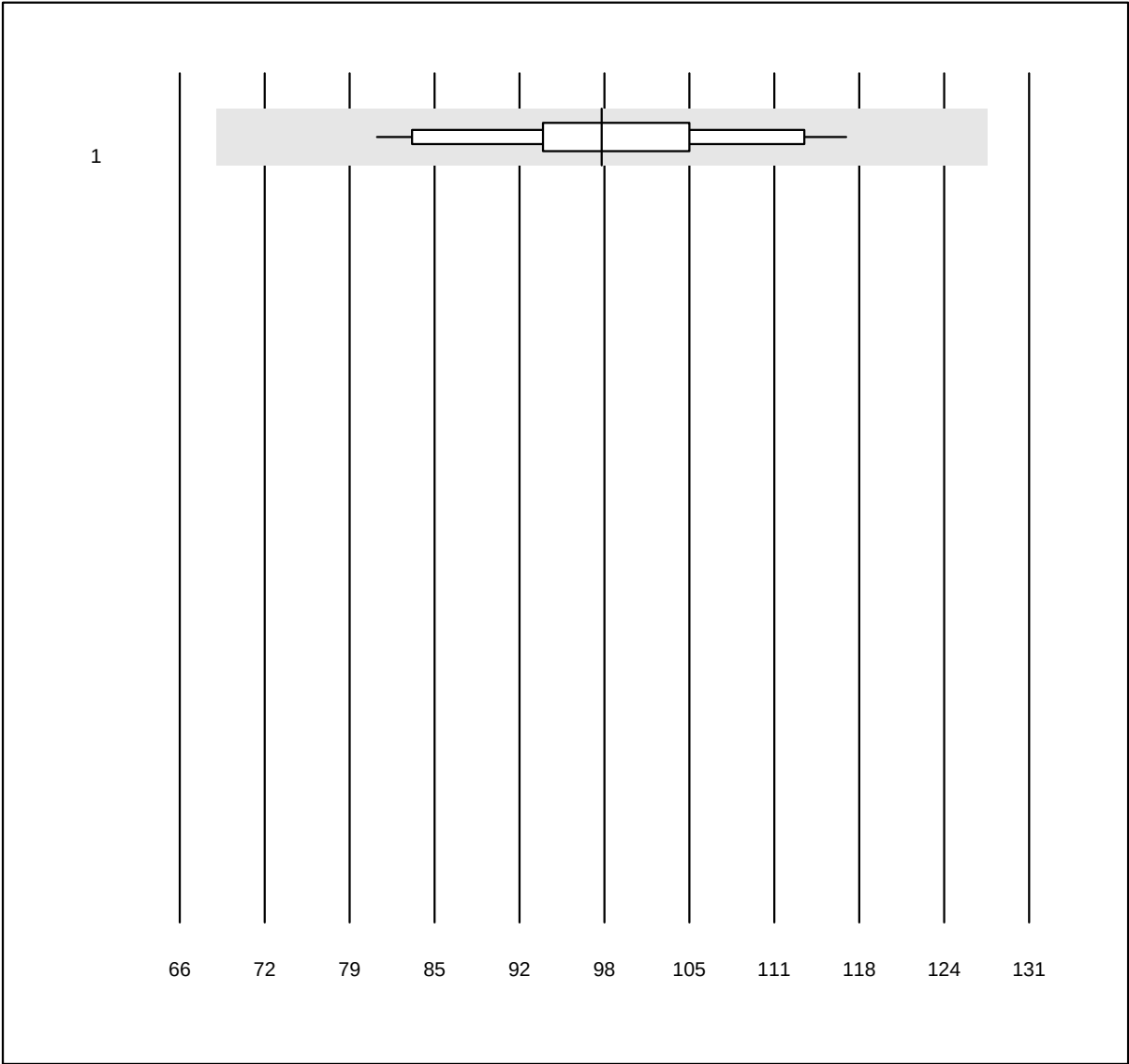
IgE sx1 qn



MQ Toleranz: 30%
(< 1.5: +/- 0.45 kU/L)

IgE sx1 qn (kU/L)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	all Participants	9	100.0	0.0	0.0	1.24	12.9	e

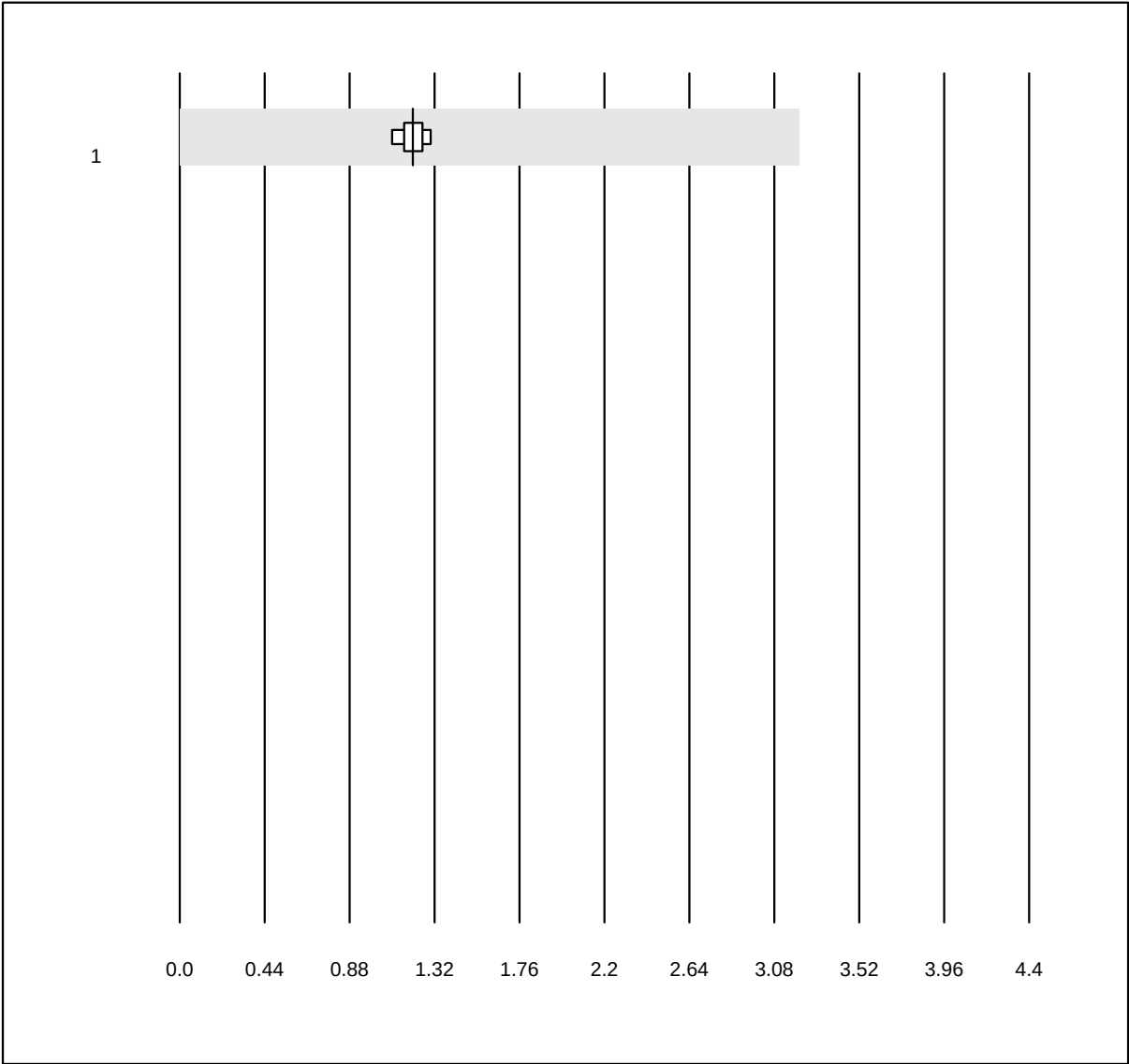


QUALAB Toleranz: 30%

(kU/L)

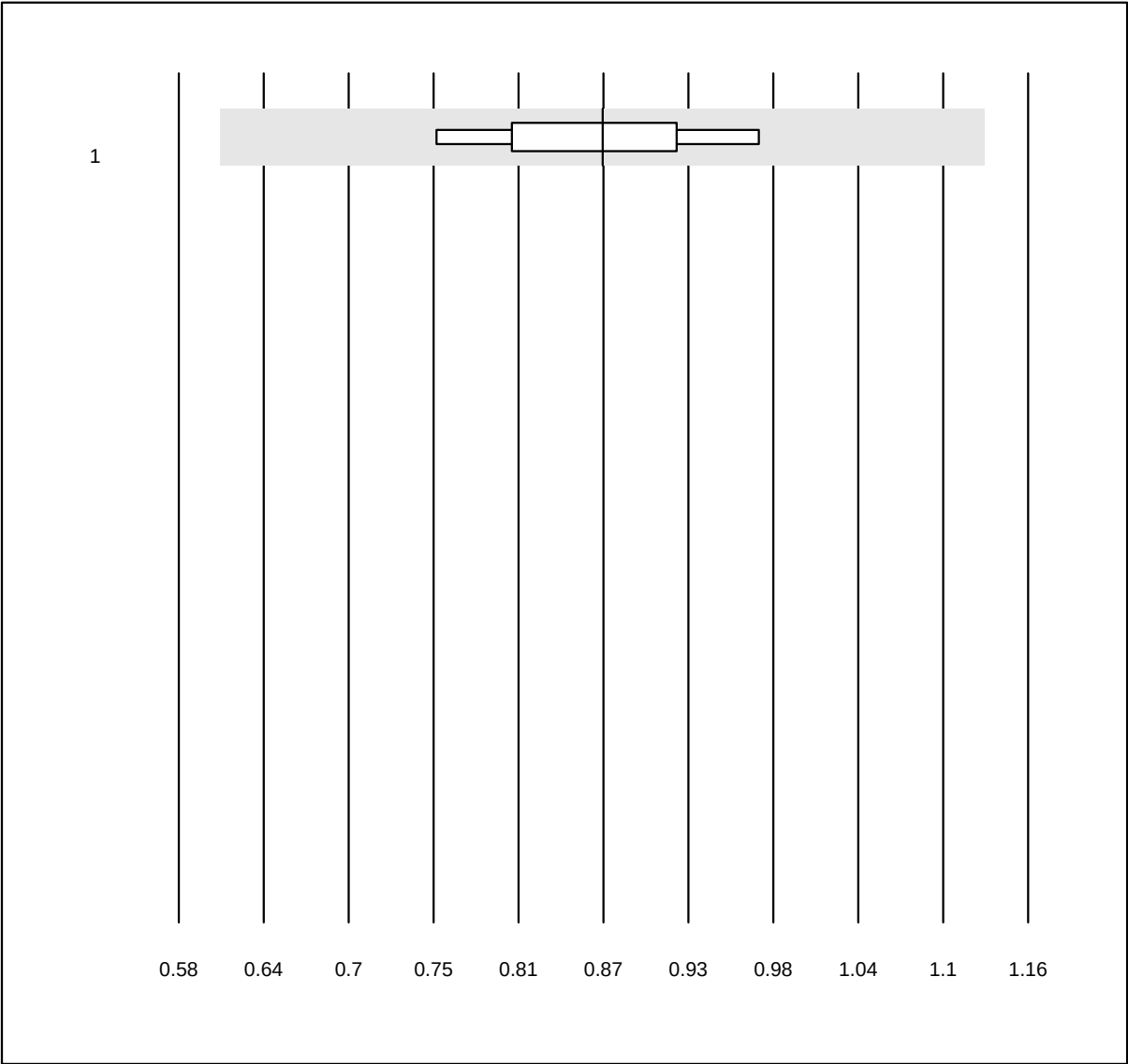
No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	all Participants	13	100.0	0.0	0.0	98	9.5	e

CRP HS



QUALAB Toleranz: 21% (< 10.0: +/- 2.0 mg/l)		CRP HS (mg/l)						
No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Turbidimetry	12	100.0	0.0	0.0	1.21	5.5	e
1 additional results were submitted but not published because the method groups were too small. (< results per group)								

Apolipoprotein A1

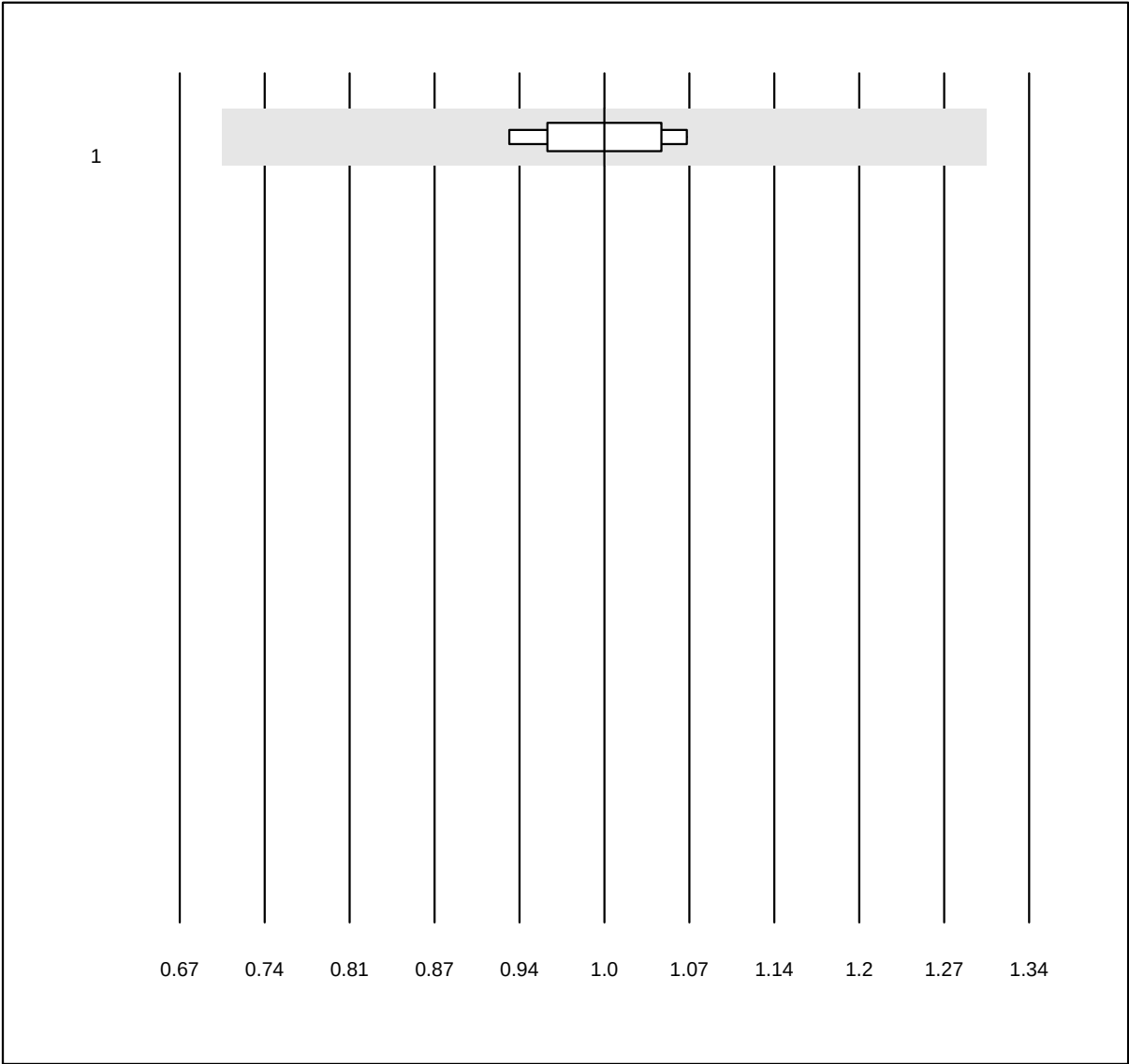


MQ Toleranz: 30%

Apolipoprotein A1 (g/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Other methods	8	100.0	0.0	0.0	0.87	8.0	e

Apolipoprotein B

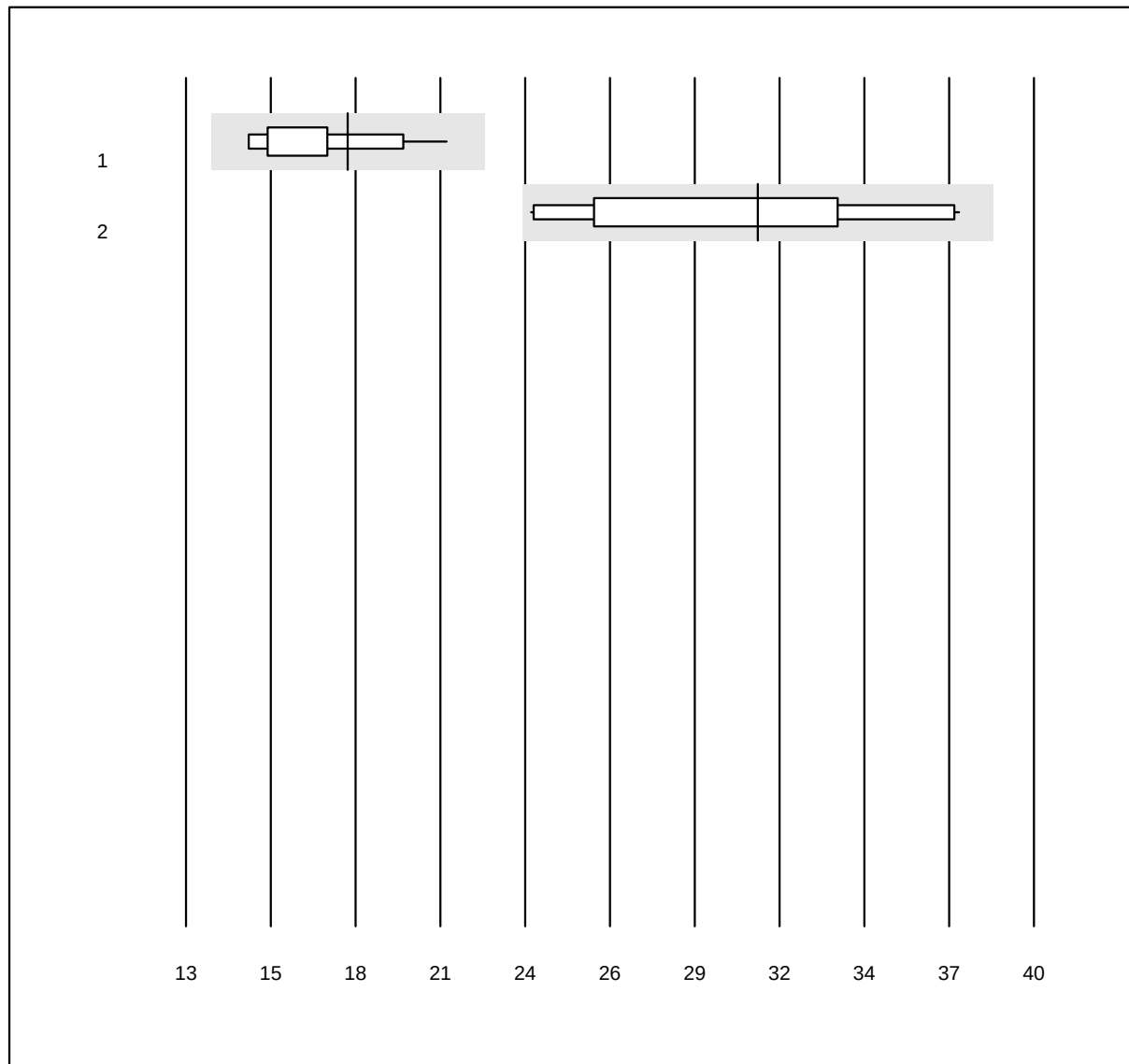


MQ Toleranz: 30%

Apolipoprotein B (g/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Other methods	9	100.0	0.0	0.0	1.00	5.0	e

Lipoprotein (a)

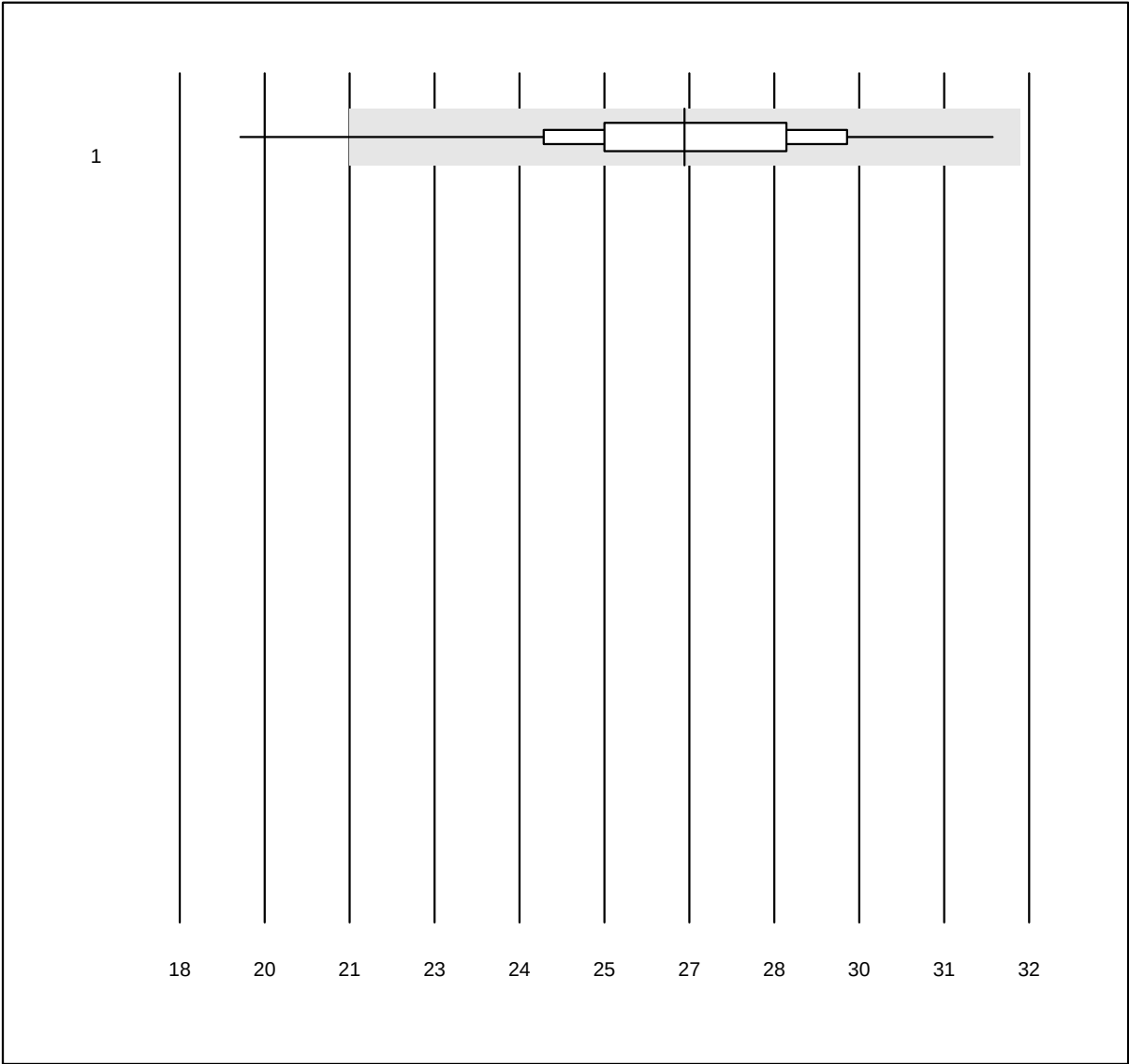


QUALAB Toleranz: 24%

Lipoprotein (a) (nmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	15	100.0	0.0	0.0	18	10.0	a
2 Others	10	100.0	0.0	0.0	31	15.8	a*

CRP

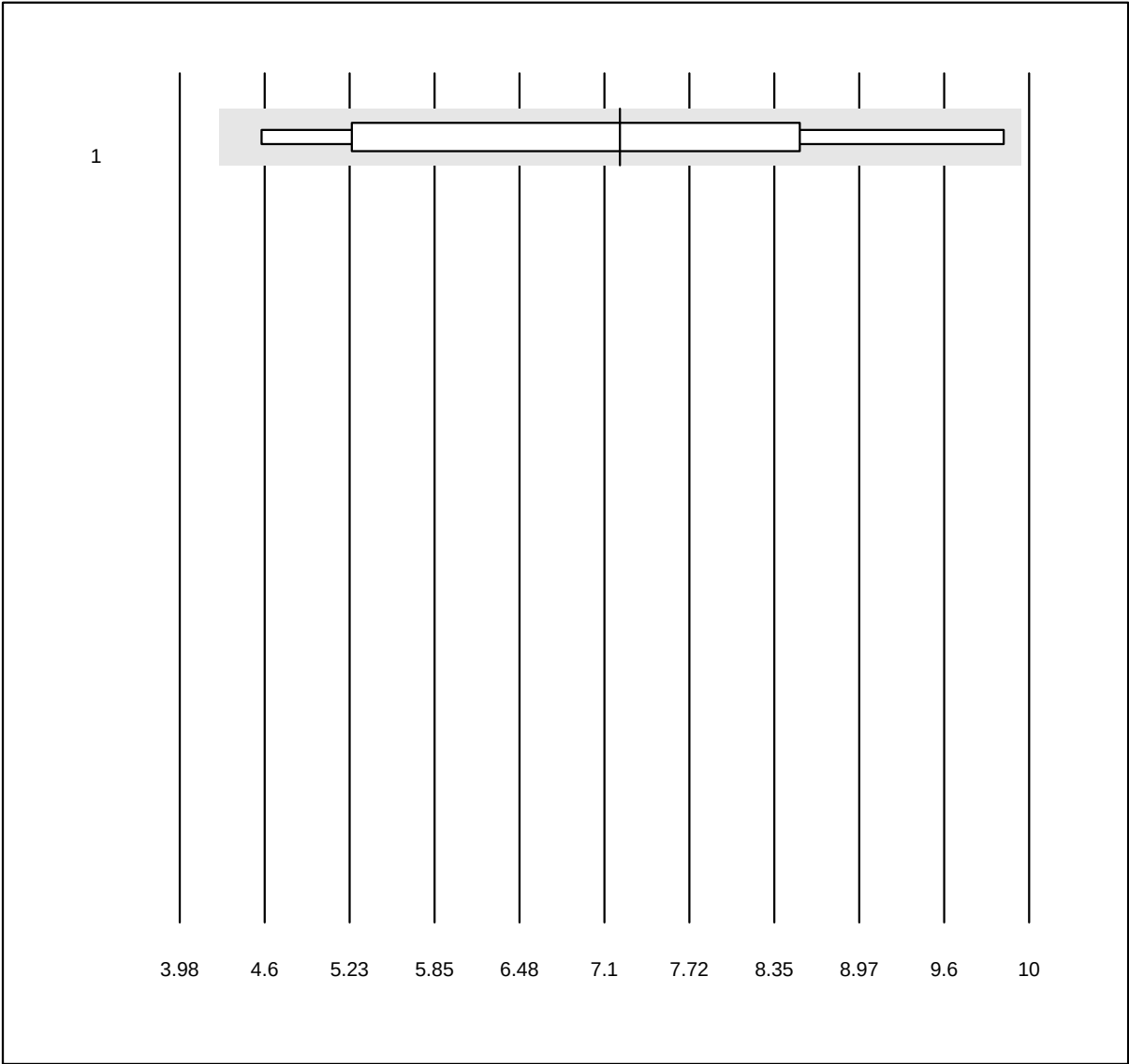


QUALAB Toleranz: 21%

CRP (mg/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	AFIAS	239	98.3	0.4	1.3	26.3	7.5	e

Anti deam. Gliadin IgA



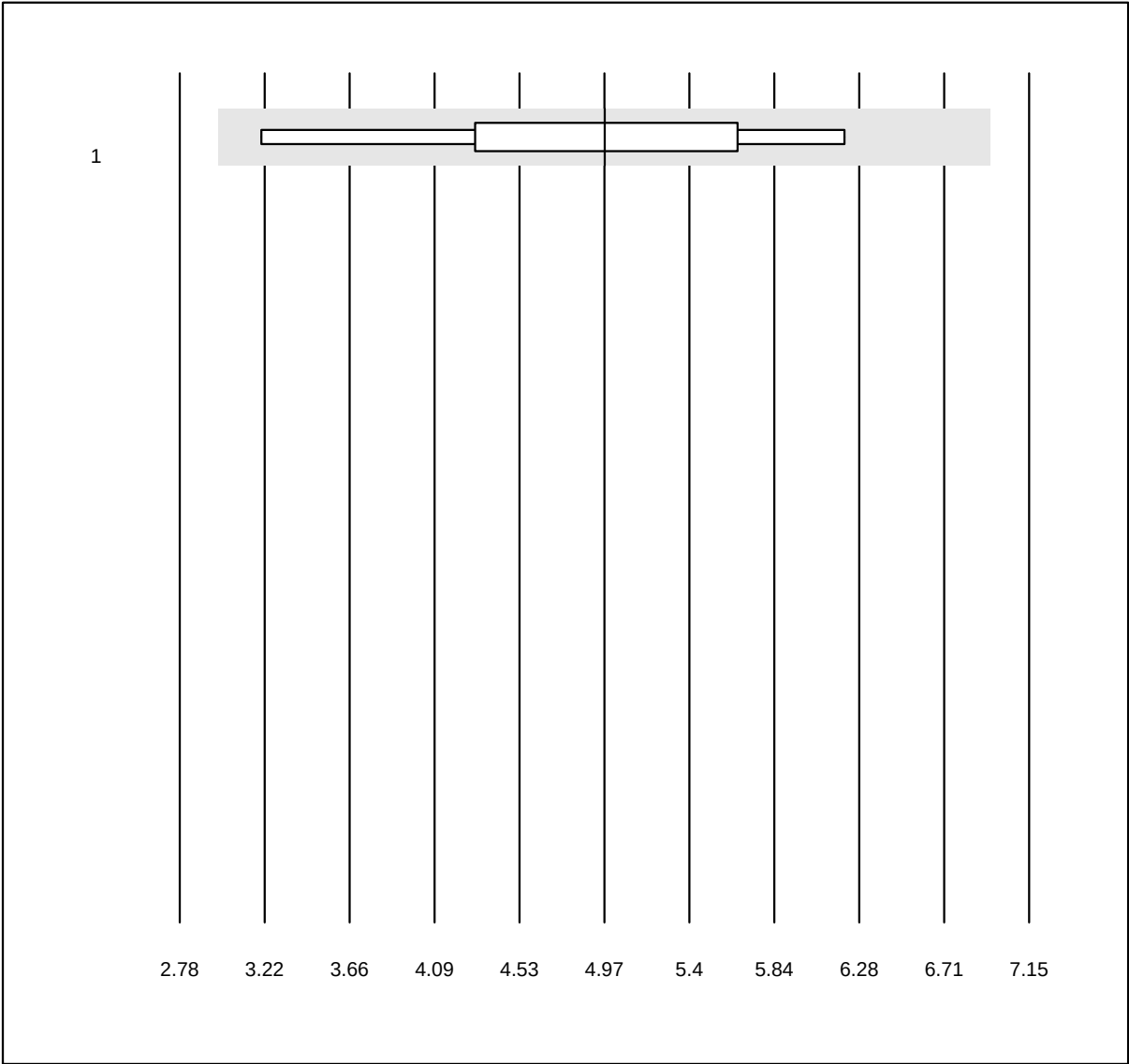
MQ Toleranz: 40%

Anti deam. Gliadin IgA
(U/ml)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Phadia	8	100.0	0.0	0.0	7.10	25.3	a*

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

Anti deam. Gliadin IgG



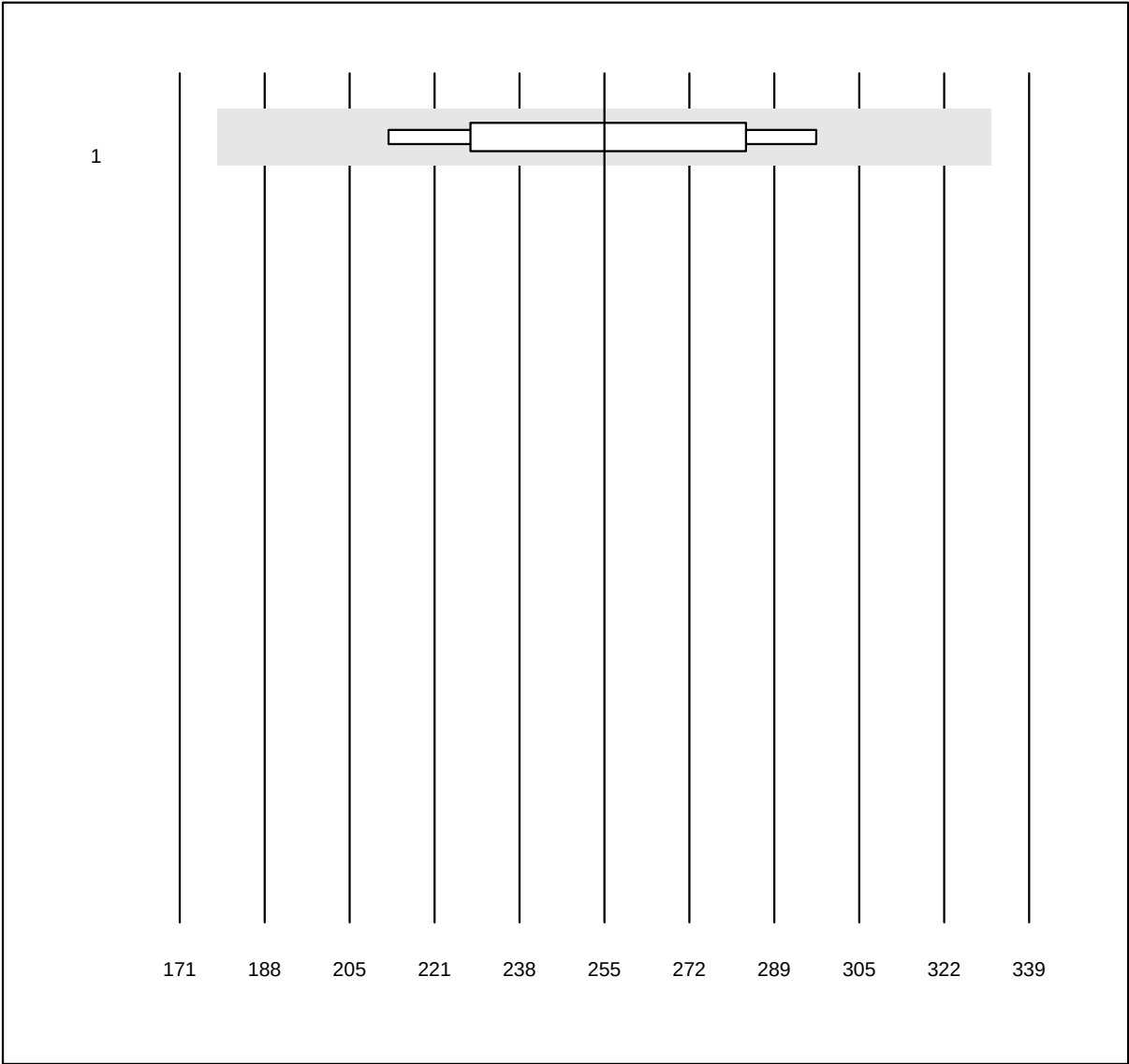
MQ Toleranz: 40%

Anti deam. Gliadin IgG
(U/ml)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Phadia	9	100.0	0.0	0.0	4.97	18.6	e*

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

Anti tTG IgA



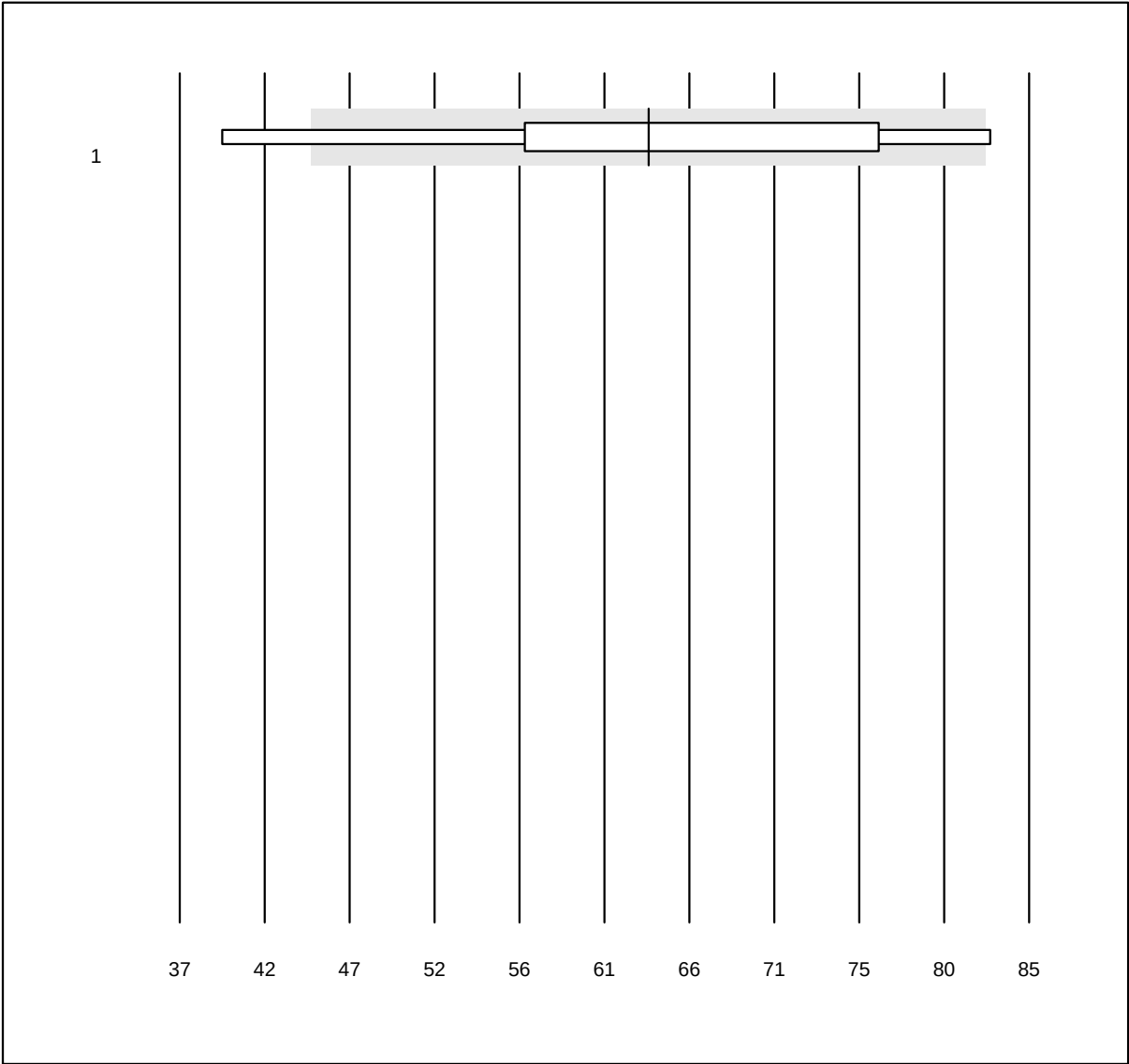
MQ Toleranz: 30%

Anti tTG IgA (U/ml)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Phadia	8	100.0	0.0	0.0	255.00	11.4	a*

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

Anti tTG IgG

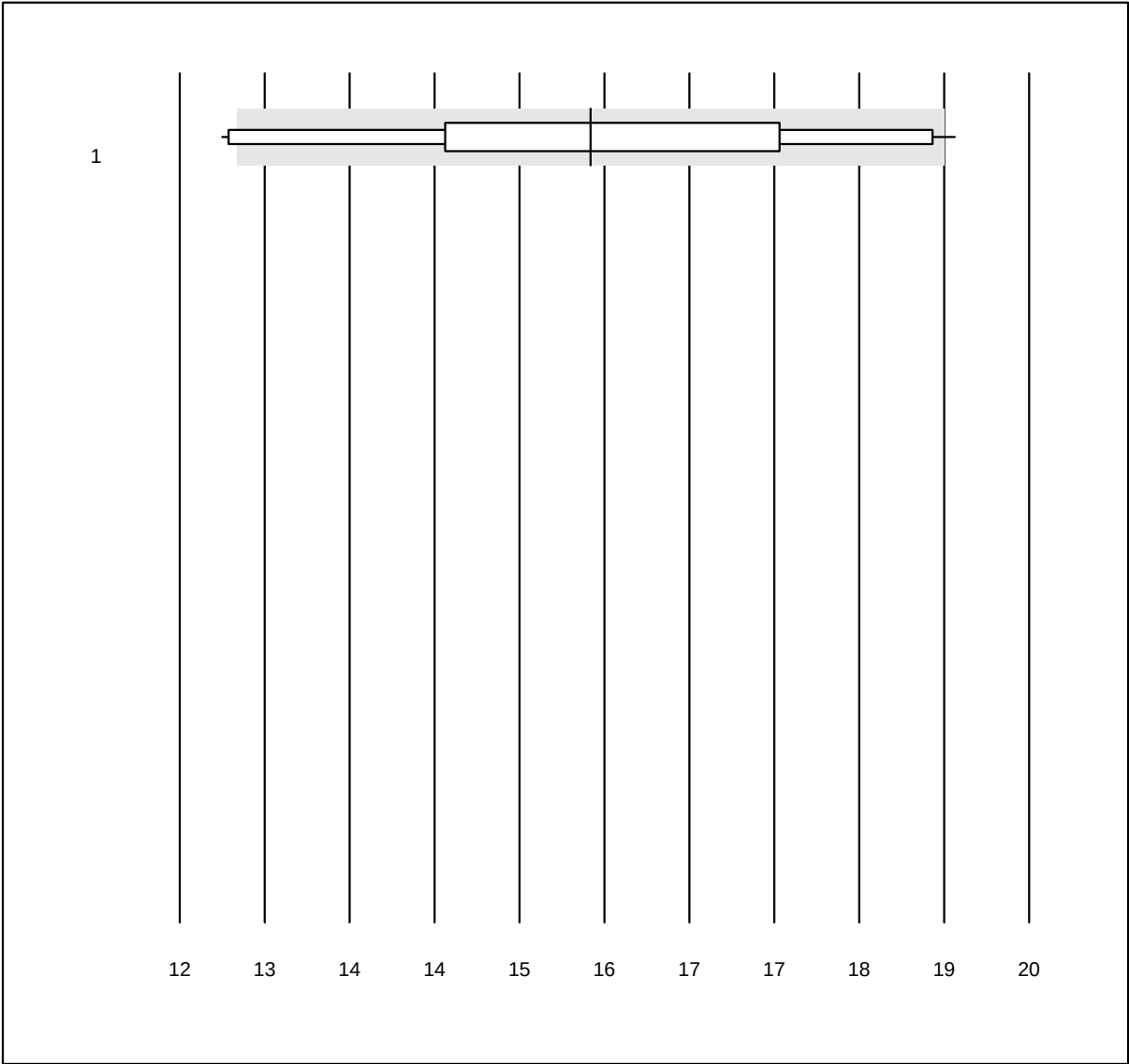


MQ Toleranz: 30%

Anti tTG IgG (U/ml)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Other methods	6	83.3	0.0	16.7	63.50	18.5	a*

CRP Lumira

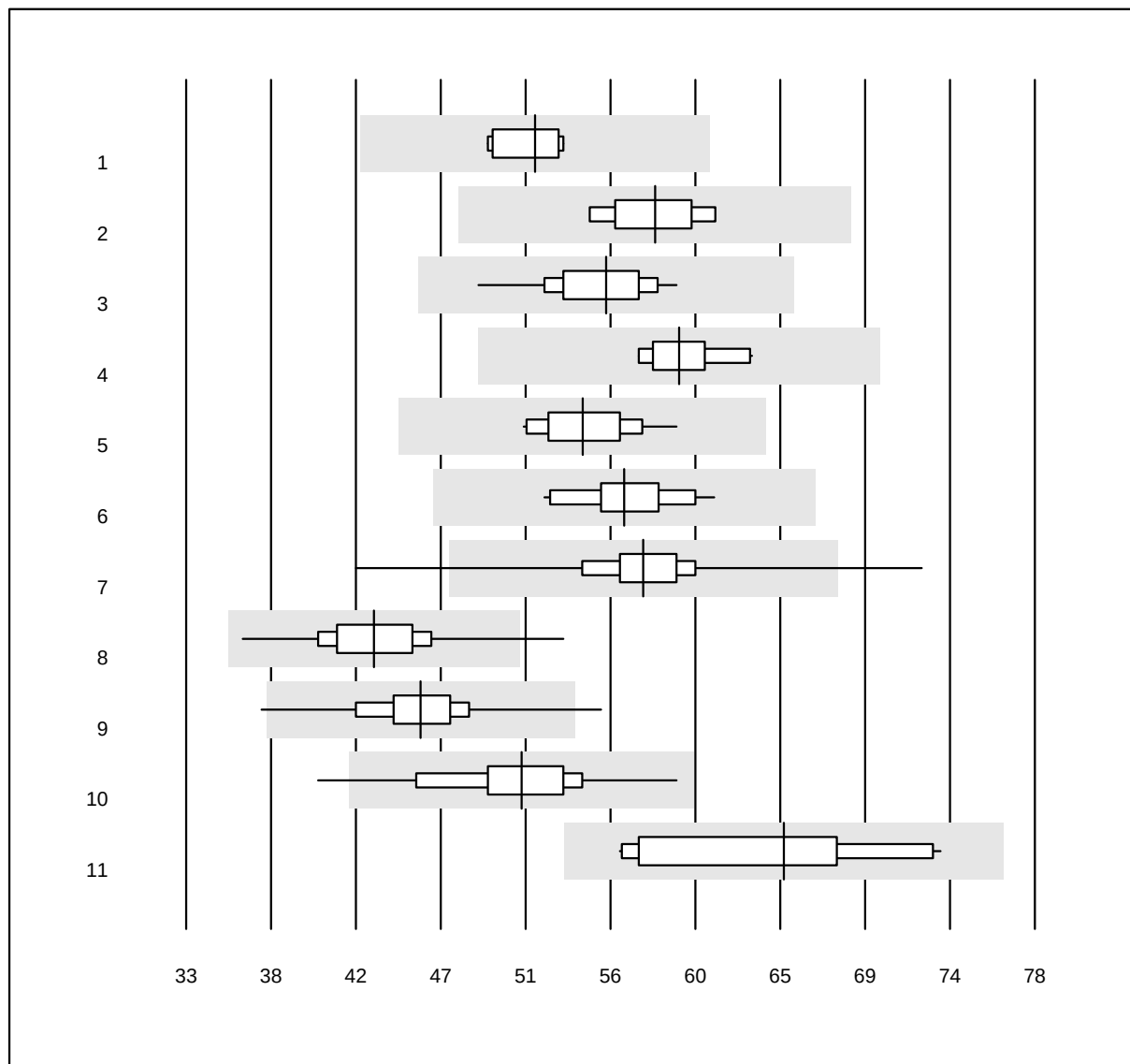


QUALAB Toleranz: 21%

CRP Lumira (mg/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Lumira Dx	13	76.9	15.4	7.7	15.9	13.6	e*

Alanine aminotransferase 1



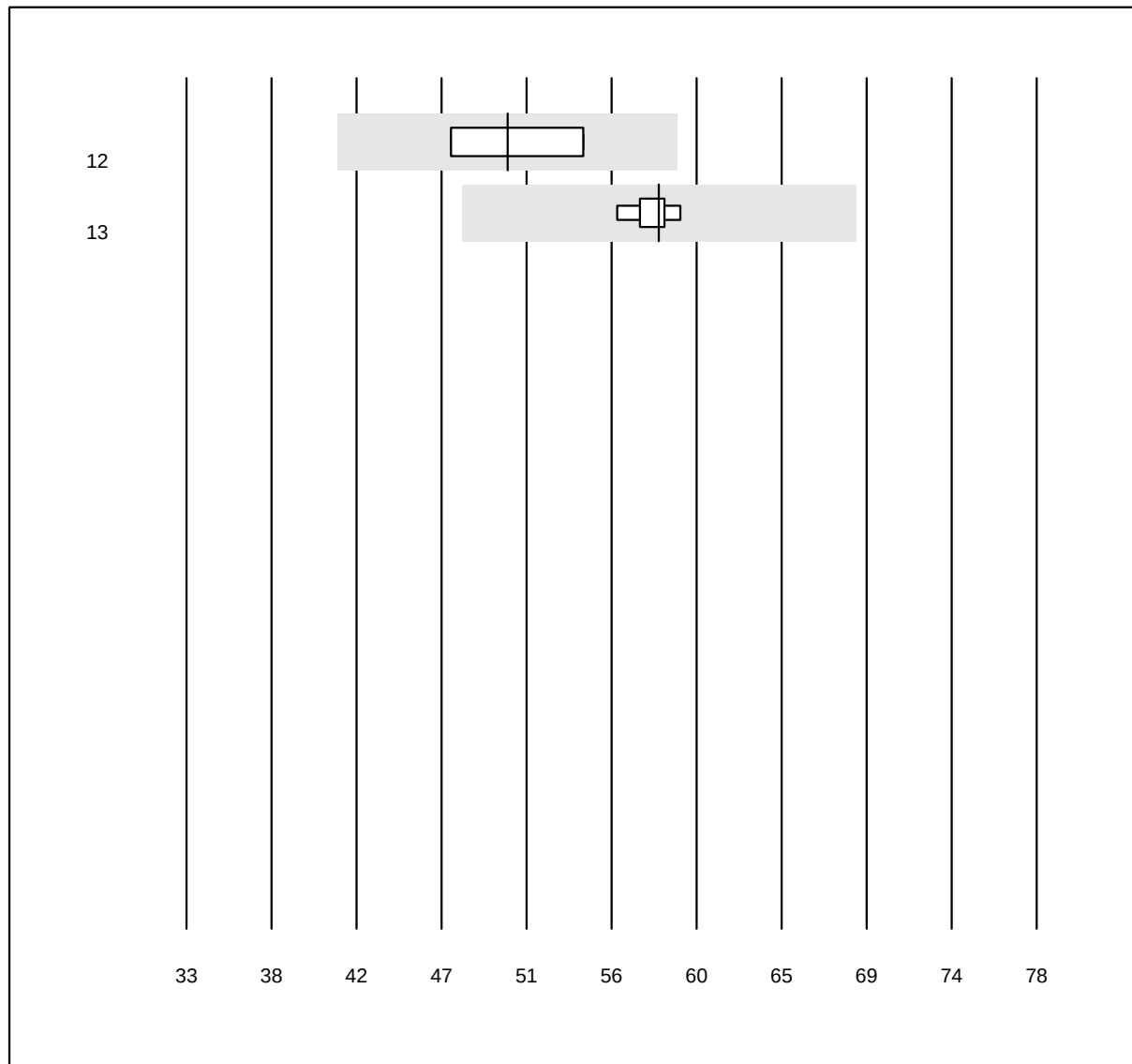
QUALAB Toleranz: 18%

Alanine aminotransferase
(U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	52	3.2	e
2 Beckman	5	100.0	0.0	0.0	58	3.7	e
3 Roche	49	100.0	0.0	0.0	55	4.4	e
4 Siemens	10	100.0	0.0	0.0	59	3.5	e
5 Autolyser	23	100.0	0.0	0.0	54	4.3	e
6 Selectra Pro	14	100.0	0.0	0.0	56	4.3	e
7 Fuji Dri-Chem	1189	98.3	0.5	1.2	57	4.7	e
8 Spotchem D-Concept	661	98.9	0.3	0.8	43	5.8	e
9 Spotchem SP-4430	125	97.6	1.6	0.8	45	5.9	e
10 Piccolo	74	94.6	1.4	4.1	51	6.6	e
11 Seamaty	11	90.9	0.0	9.1	65	8.8	e*

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

Alanine aminotransferase 2



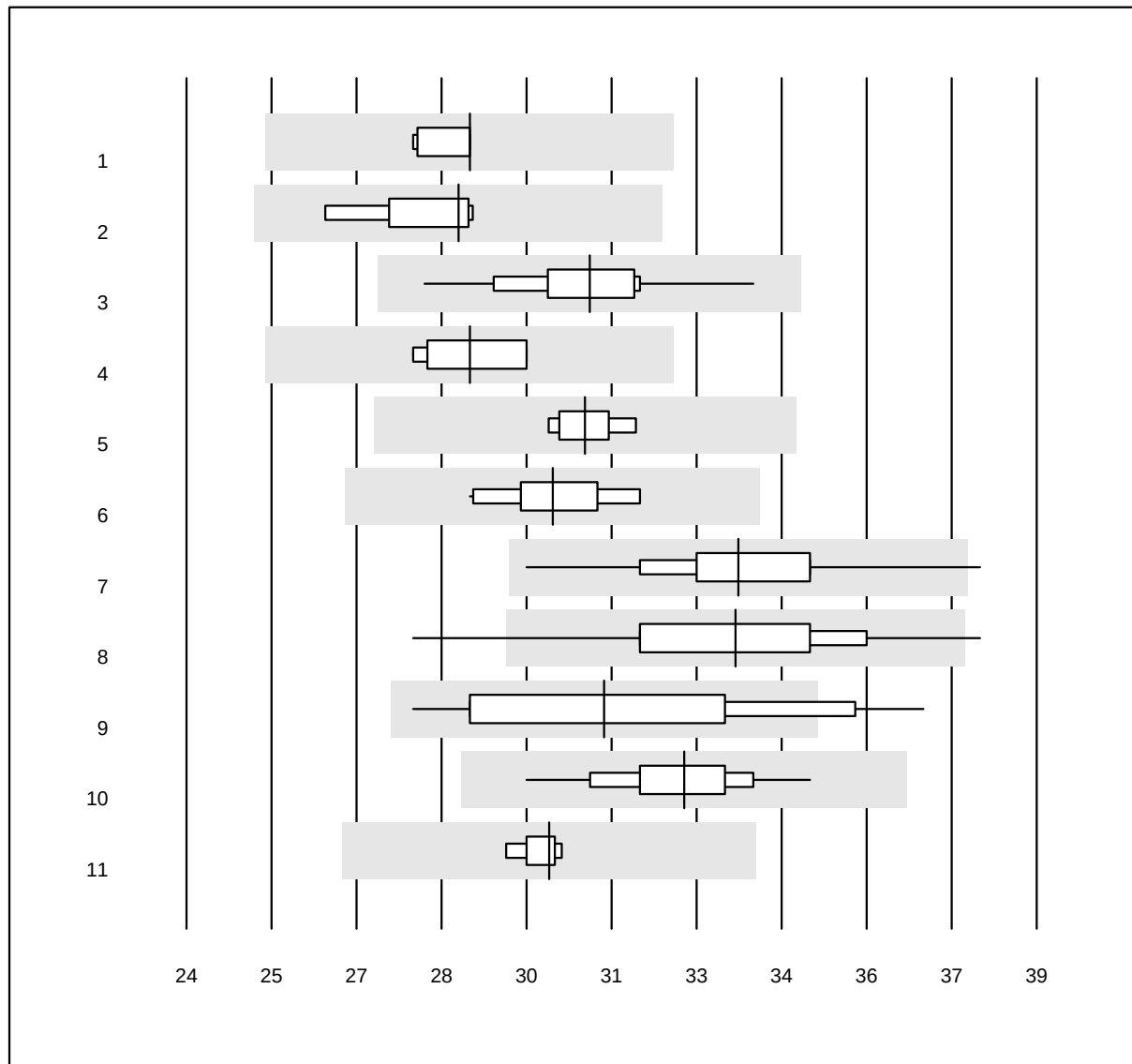
QUALAB Toleranz: 18%

Alanine aminotransferase
(U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 Skyla	6	100.0	0.0	0.0	50	6.7	e*
13 Vitros	7	100.0	0.0	0.0	58	1.7	e

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

Albumine 1

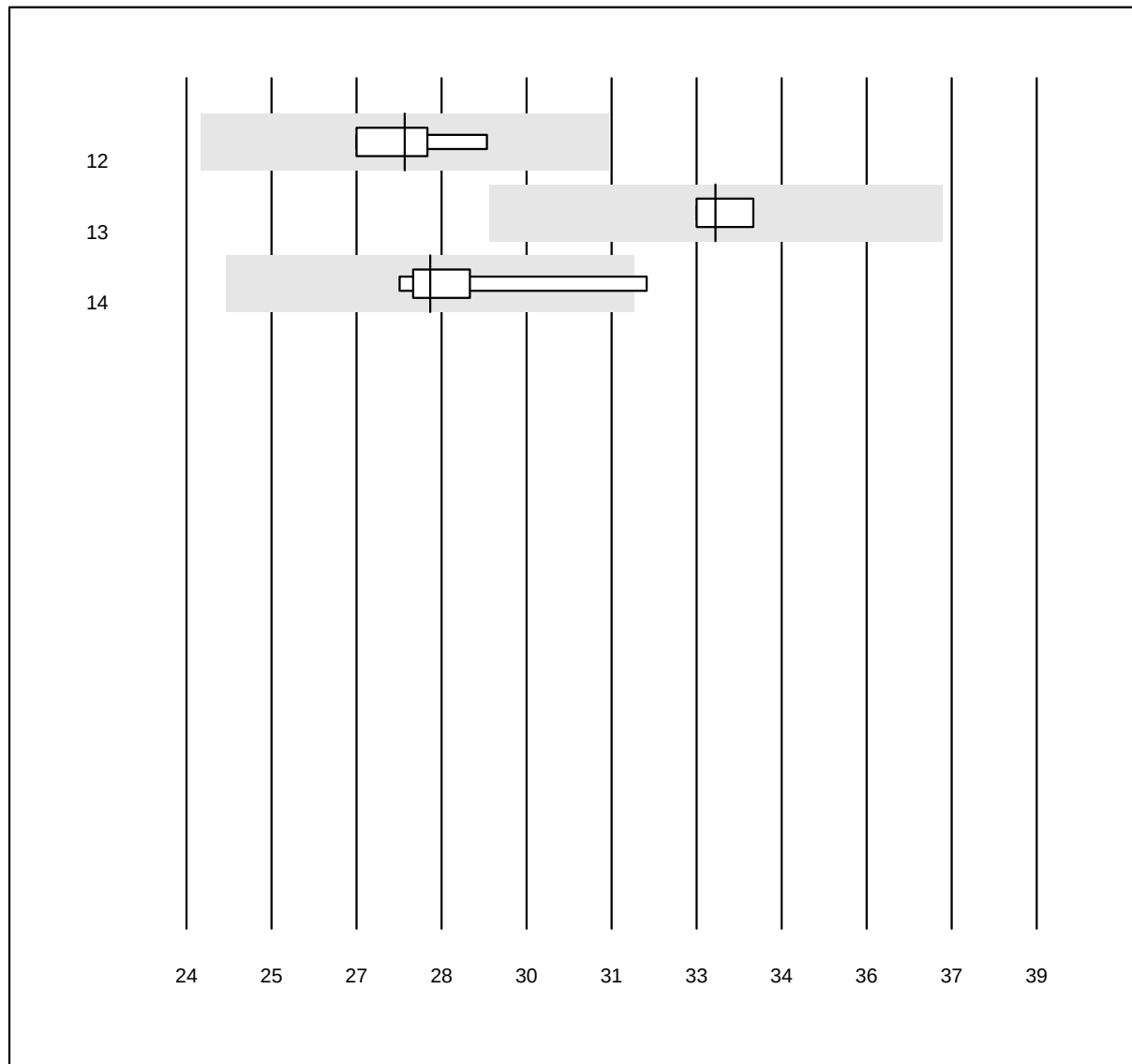


QUALAB Toleranz: 12%
(< 30.0: +/- 3.6 g/l)

Albumine (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	29.0	1.7	e
2 Beckman	4	100.0	0.0	0.0	28.8	3.0	e
3 Roche	42	100.0	0.0	0.0	31.1	3.6	e
4 Siemens	8	100.0	0.0	0.0	29.0	2.9	e
5 Autolyser	8	100.0	0.0	0.0	31.0	1.6	e
6 Selectra Pro	10	100.0	0.0	0.0	30.5	3.2	e
7 Fuji Dri-Chem	243	99.6	0.4	0.0	33.7	4.0	e
8 Spotchem D-Concept	242	97.5	2.1	0.4	33.7	5.2	e
9 Spotchem SP-4430	21	90.5	9.5	0.0	31.4	8.1	e*
10 Piccolo	66	98.5	0.0	1.5	32.8	3.4	e
11 Seamaty	7	100.0	0.0	0.0	30.4	1.1	e

Albumine 2

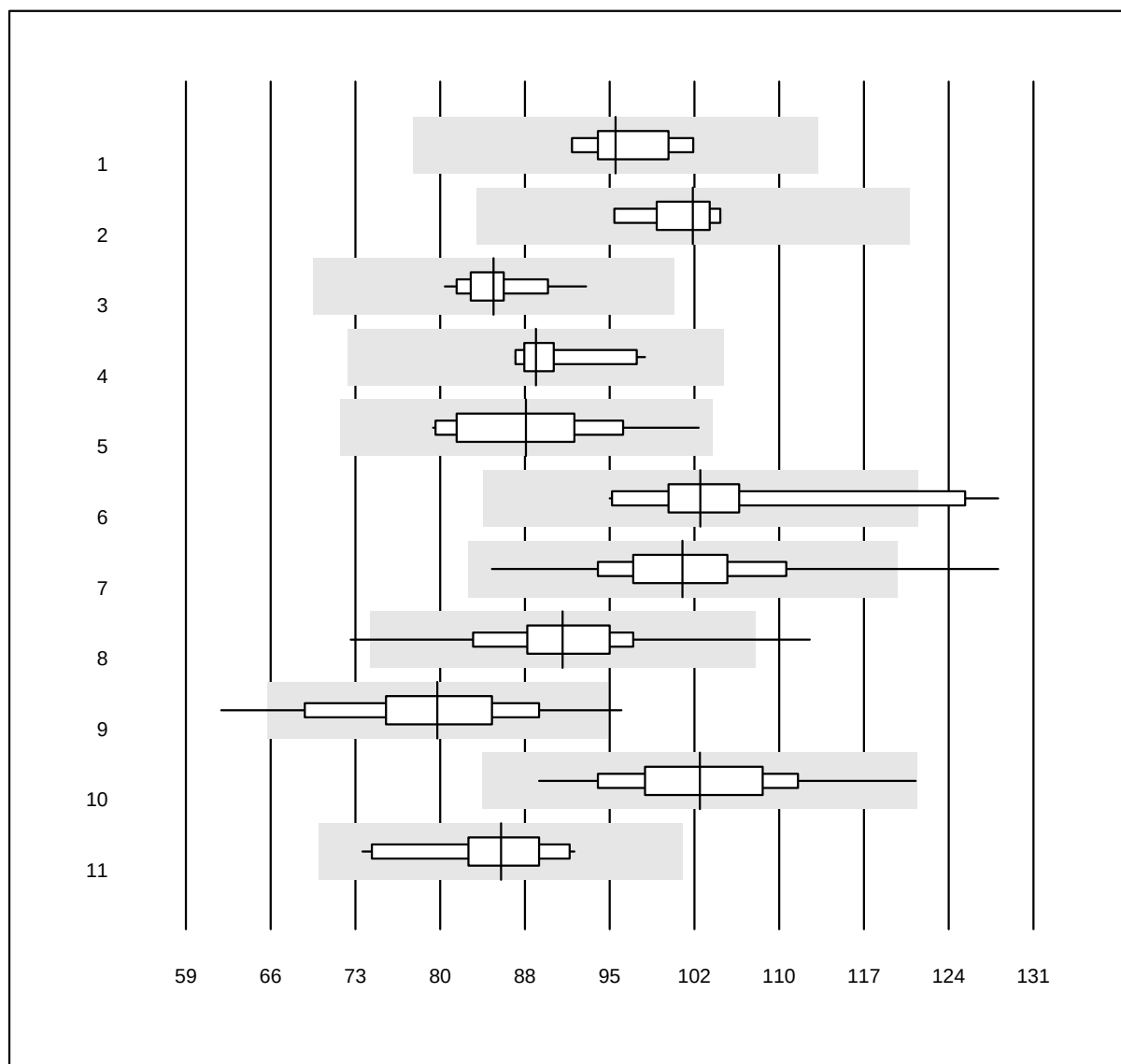


QUALAB Toleranz: 12%
(< 30.0: +/- 3.6 g/l)

Albumine (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 Vitros	6	100.0	0.0	0.0	27.9	2.7	e
13 Skyla	5	100.0	0.0	0.0	33.3	1.6	e
14 Turbidimetry	7	100.0	0.0	0.0	28.3	4.6	e*

Alkaline phosphatase 1

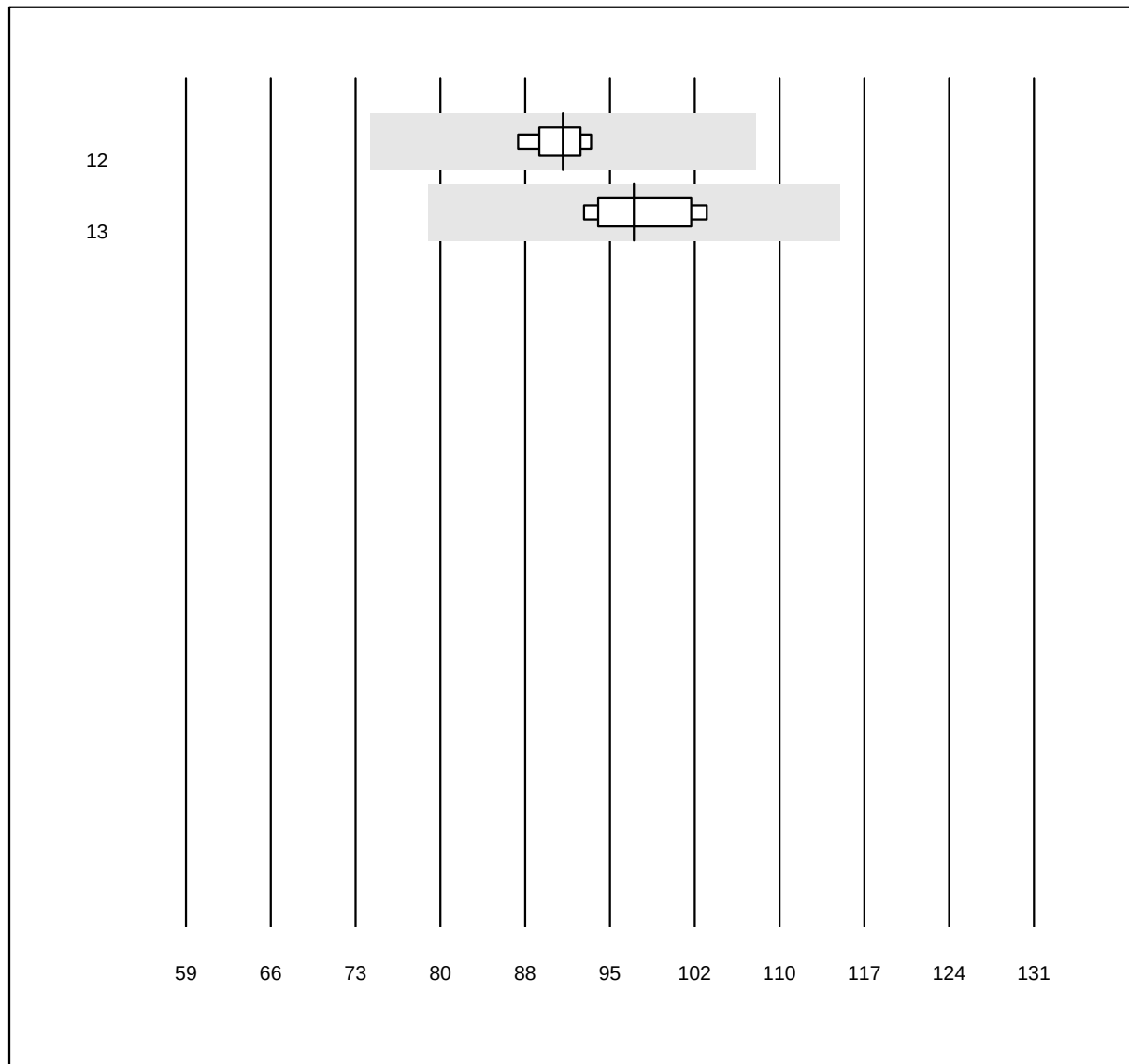


QUALAB Toleranz: 18%

Alkaline phosphatase (U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	96	3.6	e
2 Beckman	5	100.0	0.0	0.0	102	2.7	e
3 Roche	47	100.0	0.0	0.0	85	3.4	e
4 Siemens	10	100.0	0.0	0.0	89	3.7	e
5 Autolyser	23	100.0	0.0	0.0	88	6.8	e
6 Selectra Pro	12	83.3	8.3	8.3	103	8.8	e*
7 Fuji Dri-Chem	1057	99.1	0.9	0.1	101	6.2	e
8 Spotchem D-Concept	591	97.6	1.0	1.4	91	6.1	e
9 Spotchem SP-4430	72	90.3	6.9	2.8	80	9.2	e
10 Piccolo	51	98.0	0.0	2.0	103	6.8	e
11 Seamaty	11	100.0	0.0	0.0	86	6.5	e

Alkaline phosphatase 2

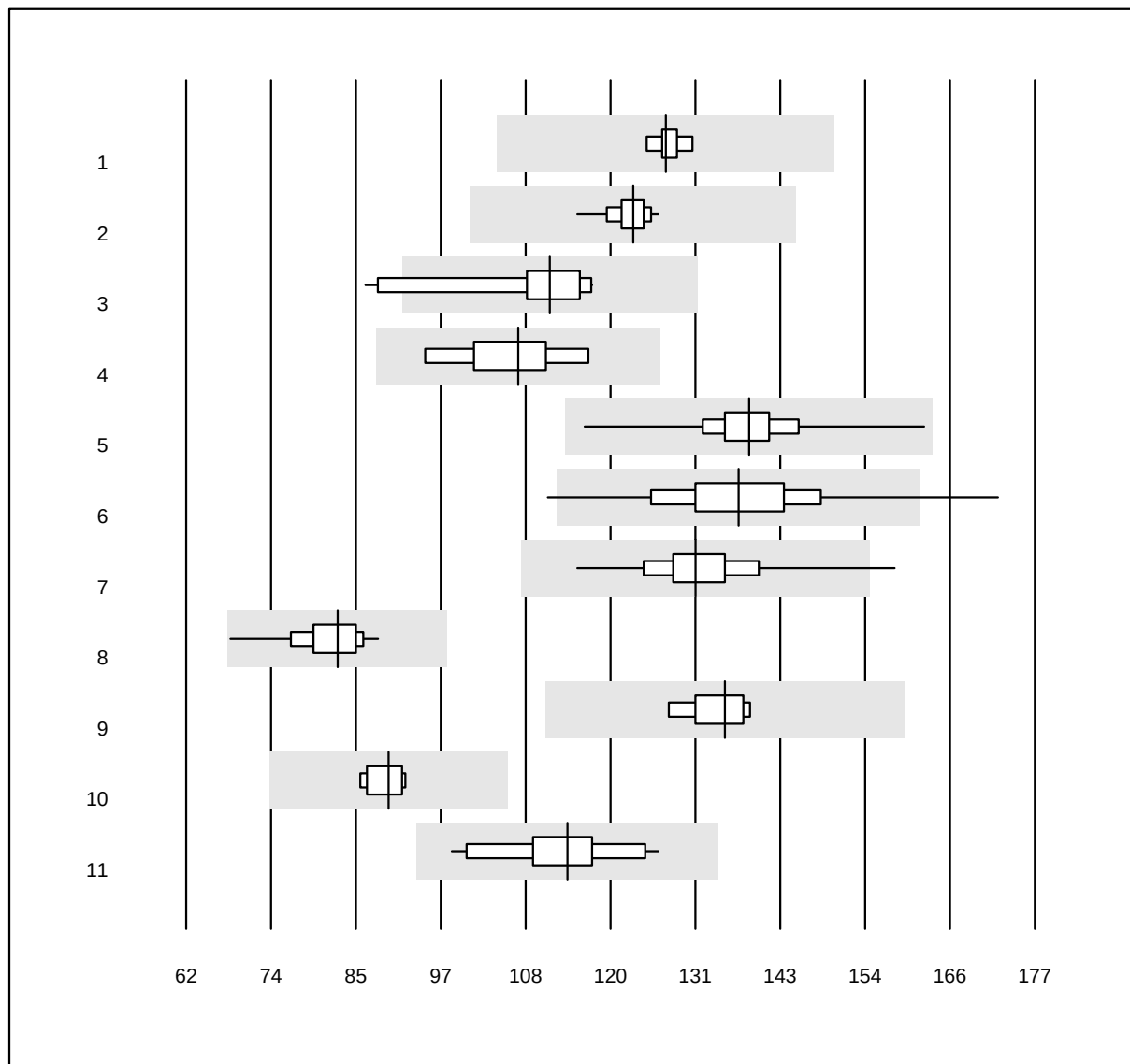


QUALAB Toleranz: 18%

Alkaline phosphatase (U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 Skyla	5	100.0	0.0	0.0	91	2.1	e
13 Vitros	7	100.0	0.0	0.0	97	4.3	e

Amylase



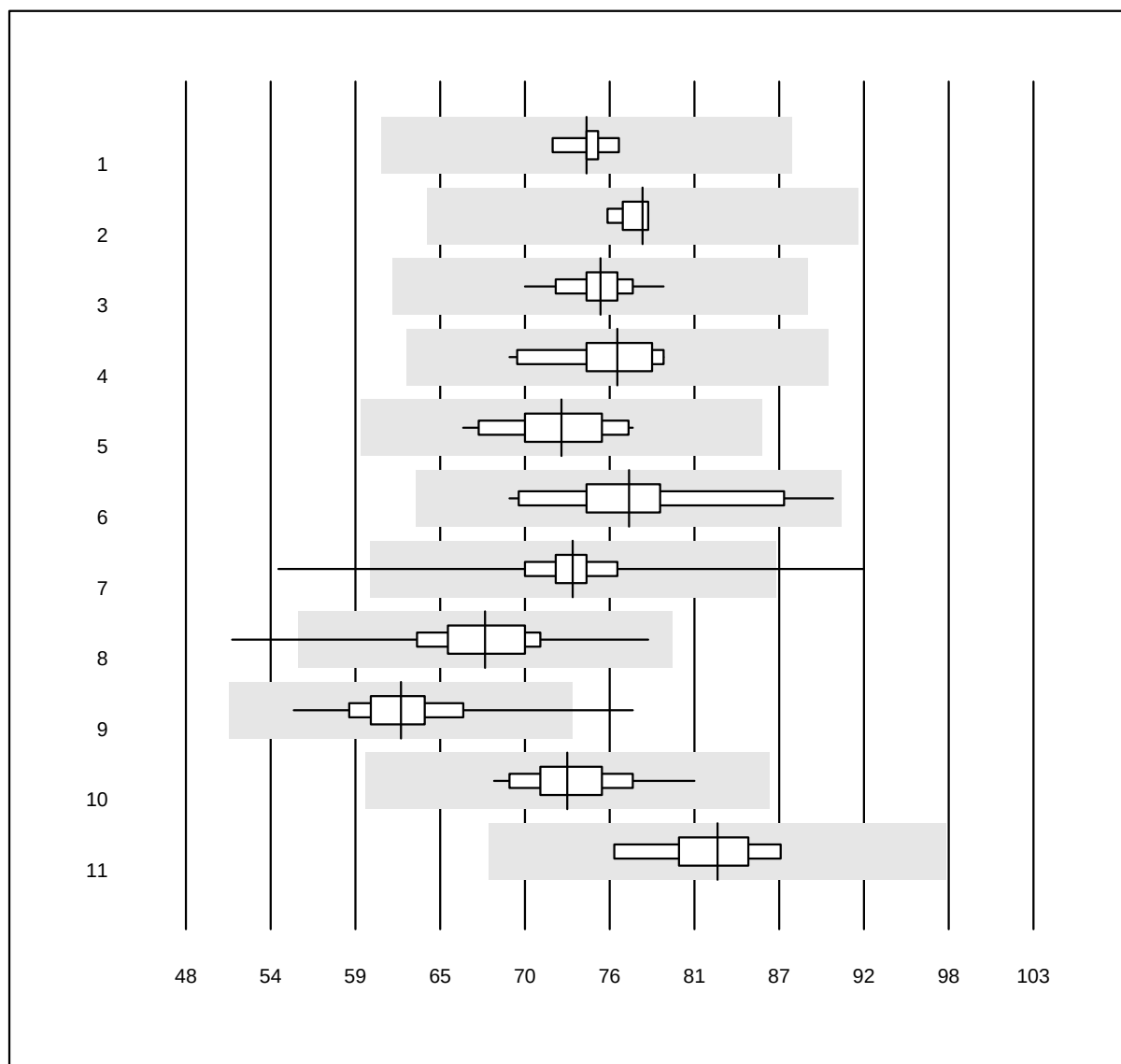
QUALAB Toleranz: 18%

Amylase (U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	6	100.0	0.0	0.0	127	1.3	e
2 Roche	19	100.0	0.0	0.0	123	2.1	e
3 Autolyser	10	90.0	10.0	0.0	111	8.3	e*
4 Selectra Pro	8	100.0	0.0	0.0	107	6.3	e*
5 Fuji Dri-Chem	736	99.9	0.0	0.1	138	3.9	e
6 Spotchem D-Concept	404	98.5	1.2	0.2	137	6.7	e
7 Spotchem SP-4430	48	95.8	2.1	2.1	131	5.4	e
8 Piccolo	63	95.2	0.0	4.8	83	5.1	e
9 Beckman	5	100.0	0.0	0.0	135	2.7	e
10 Vitros	5	100.0	0.0	0.0	89	2.8	e
11 Seamaty	11	100.0	0.0	0.0	114	6.2	e

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

Aspartate aminotransferase 1



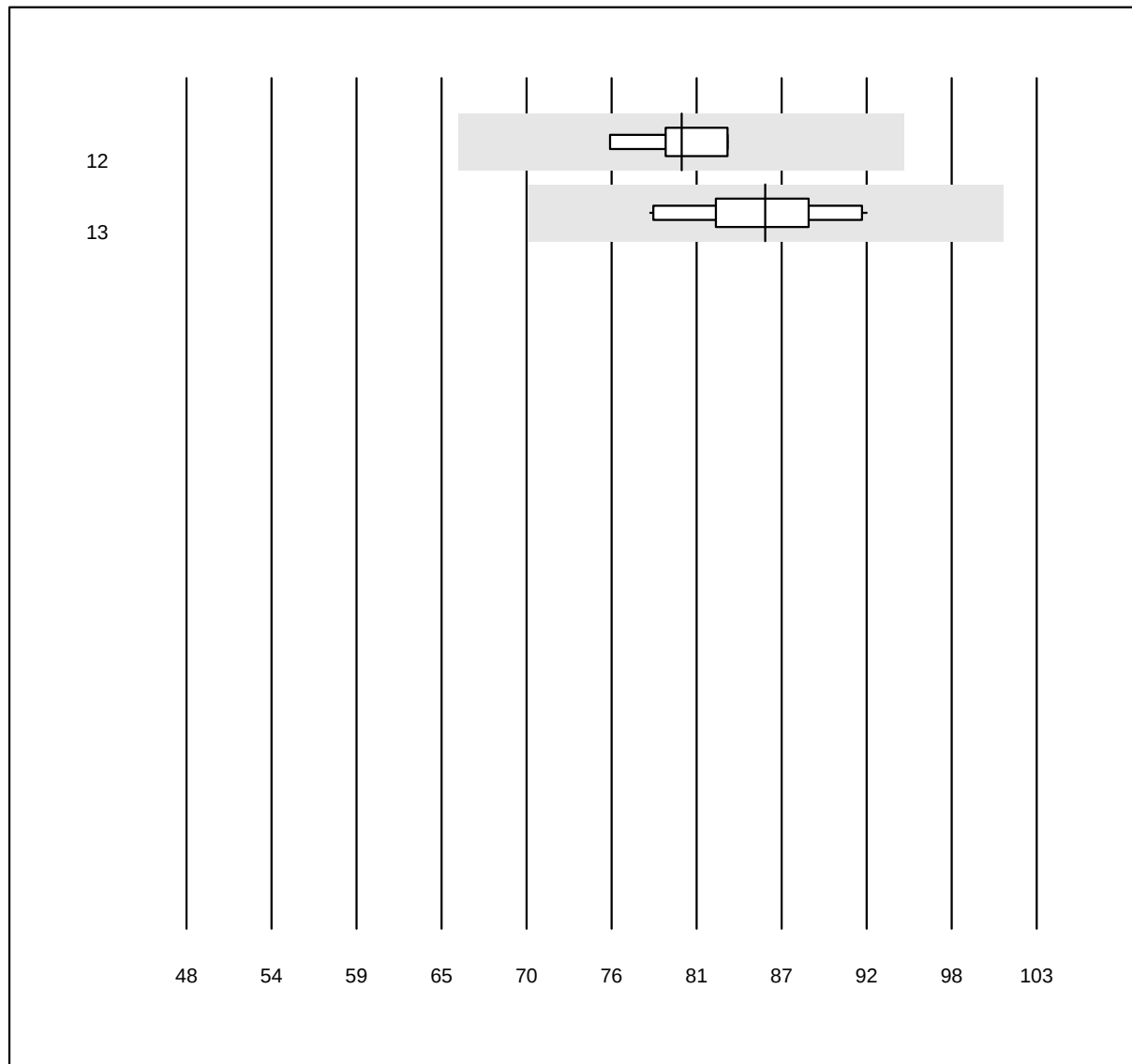
QUALAB Toleranz: 18%

Aspartate aminotransferase
(U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	74	1.5	e
2 Beckman	5	100.0	0.0	0.0	78	1.3	e
3 Roche	49	100.0	0.0	0.0	75	2.6	e
4 Siemens	10	100.0	0.0	0.0	76	4.0	e
5 Autolyser	23	100.0	0.0	0.0	72	4.4	e
6 Selectra Pro	14	85.7	0.0	14.3	77	6.7	e
7 Fuji Dri-Chem	1168	99.1	0.4	0.4	73	3.7	e
8 Spotchem D-Concept	653	99.4	0.5	0.2	67	4.9	e
9 Spotchem SP-4430	125	99.2	0.8	0.0	62	5.3	e
10 Piccolo	74	98.6	0.0	1.4	73	4.1	e
11 Skyla	6	100.0	0.0	0.0	83	3.7	e

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

Aspartate aminotransferase 2

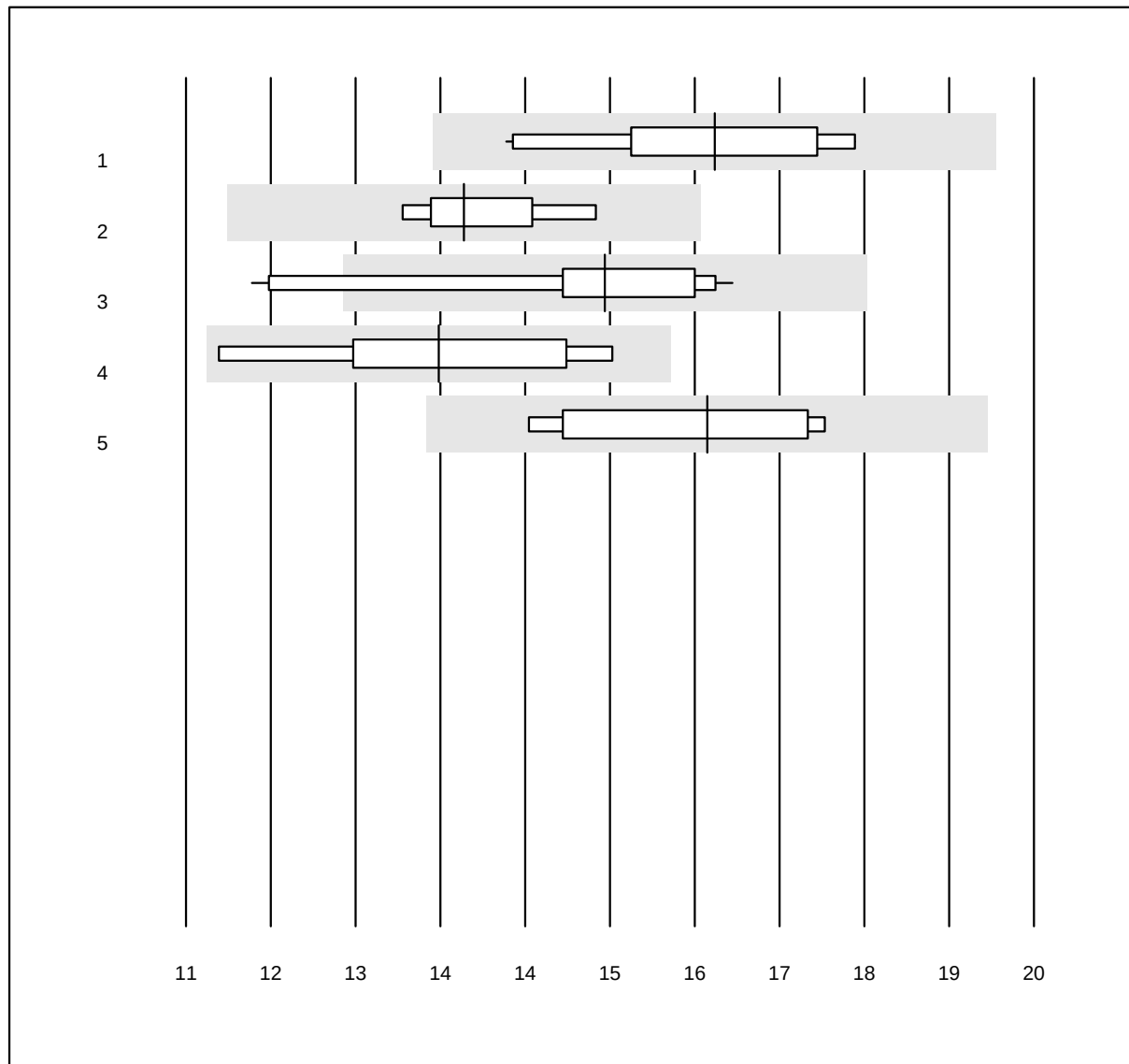


QUALAB Toleranz: 18%

Aspartate aminotransferase
(U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 Vitros	7	100.0	0.0	0.0	80	3.1	e
13 Seamaty	10	100.0	0.0	0.0	85	4.9	e

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

Bilirubin direct

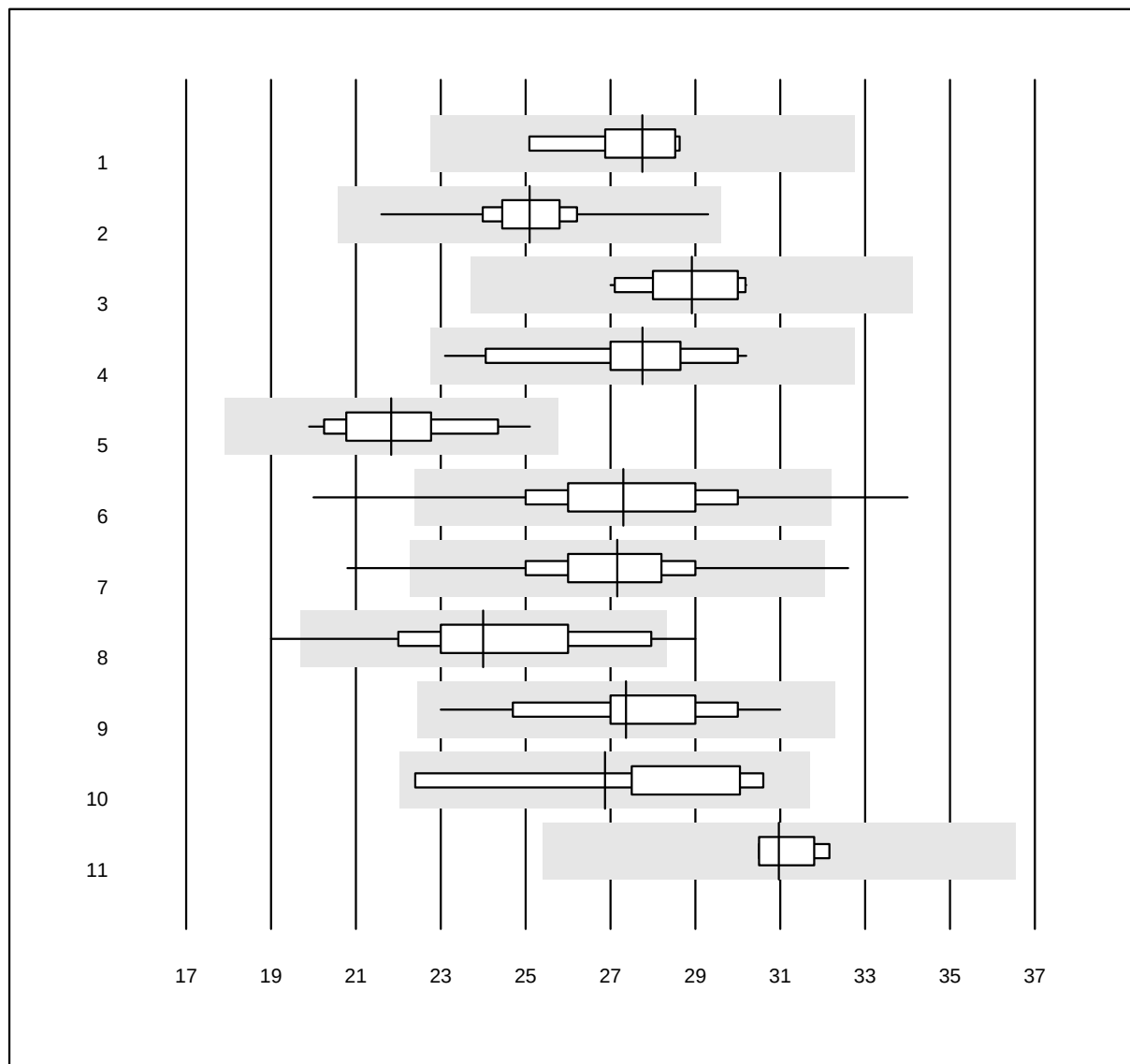
MQ Toleranz: 18%

Bilirubin direct (µmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	16	100.0	0.0	0.0	16.6	7.5	e
2 Siemens	4	100.0	0.0	0.0	13.9	4.2	e
3 Fuji Dri-Chem	15	80.0	20.0	0.0	15.4	11.3	e*
4 Vitros	5	80.0	0.0	20.0	13.7	8.9	e*
5 Other methods	5	100.0	0.0	0.0	16.5	8.1	e*

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

Bilirubin 1

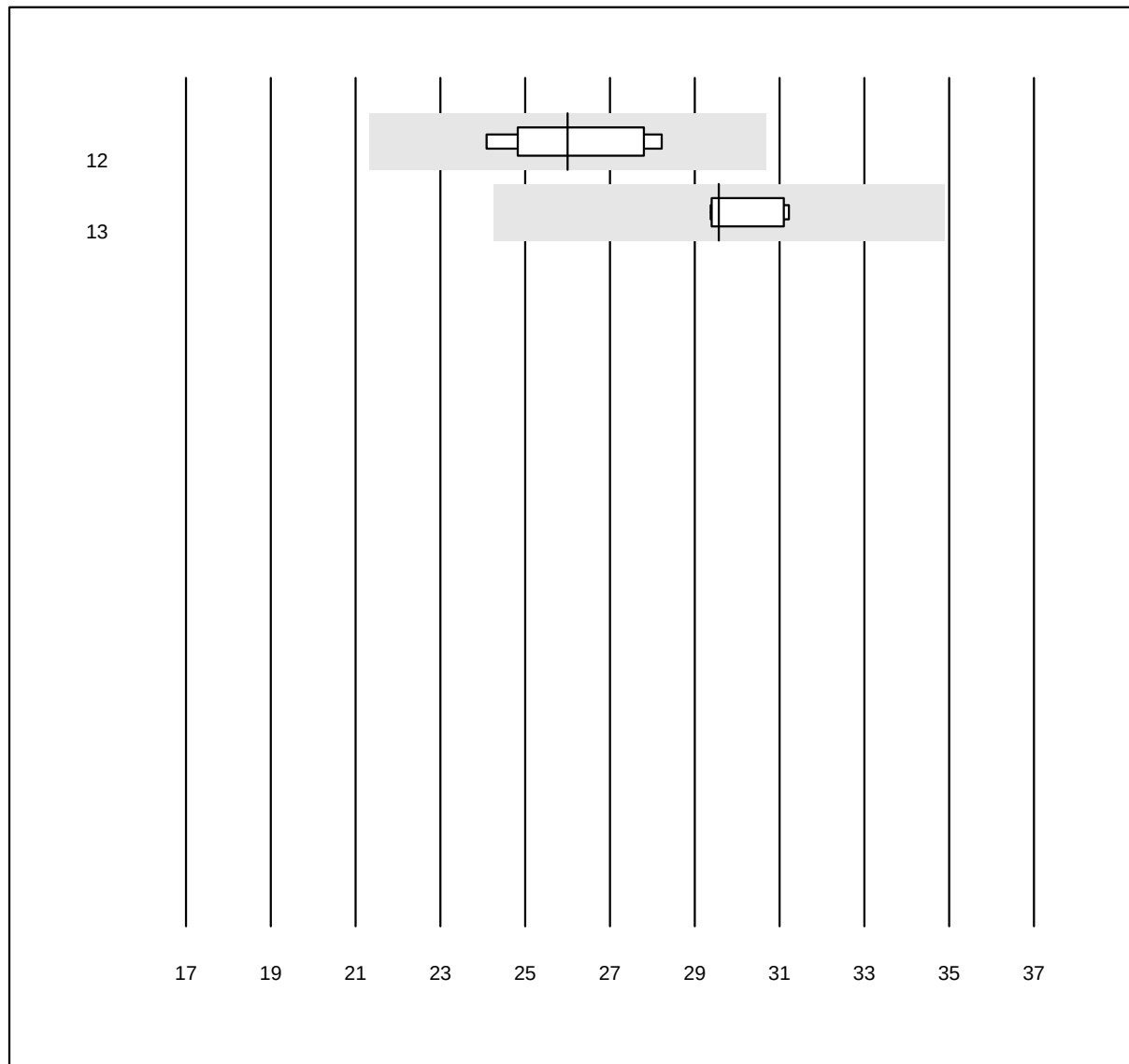


QUALAB Toleranz: 18%

Bilirubin (µmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	6	100.0	0.0	0.0	27.8	4.0	e
2 Roche	48	100.0	0.0	0.0	25.1	5.0	e
3 Siemens	10	100.0	0.0	0.0	28.9	3.7	e
4 Autolyser	21	100.0	0.0	0.0	27.8	7.2	e
5 Selectra Pro	14	100.0	0.0	0.0	21.8	6.4	e
6 Fuji Dri-Chem	878	96.1	2.3	1.6	27.3	7.7	e
7 Spotchem D-Concept	471	97.0	1.9	1.1	27.2	6.5	e
8 Spotchem SP-4430	64	92.2	6.2	1.6	24.0	9.8	e
9 Piccolo	61	91.8	0.0	8.2	27.4	7.5	e
10 Seamaty	11	81.8	0.0	18.2	26.9	8.9	e*
11 Beckman	5	100.0	0.0	0.0	31.0	2.2	e

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

Bilirubin 2

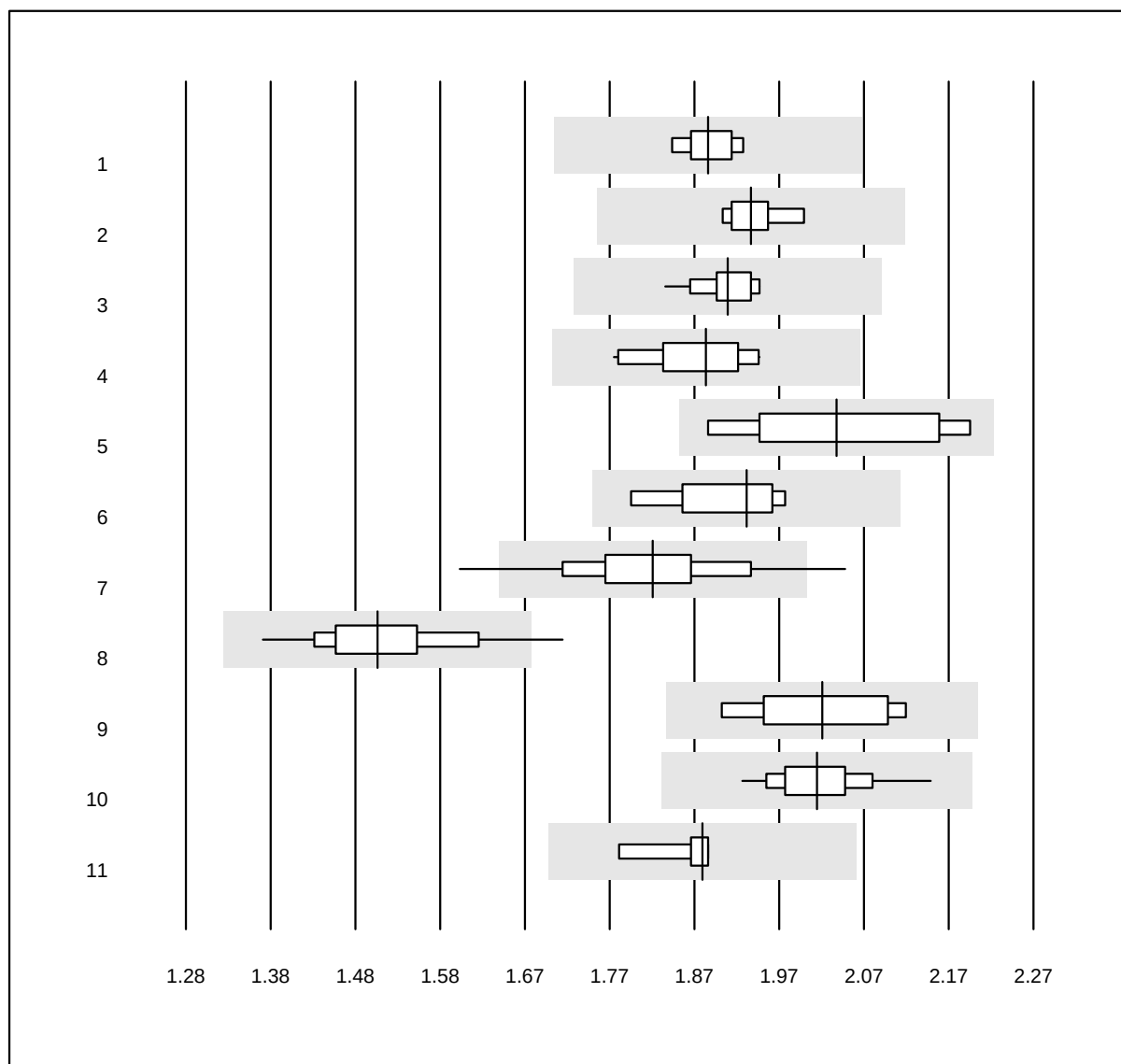
QUALAB Toleranz: 18%

Bilirubin (µmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 Skyla	6	100.0	0.0	0.0	26.0	6.2	e*
13 Vitros	7	100.0	0.0	0.0	29.6	2.7	e

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

Calcium



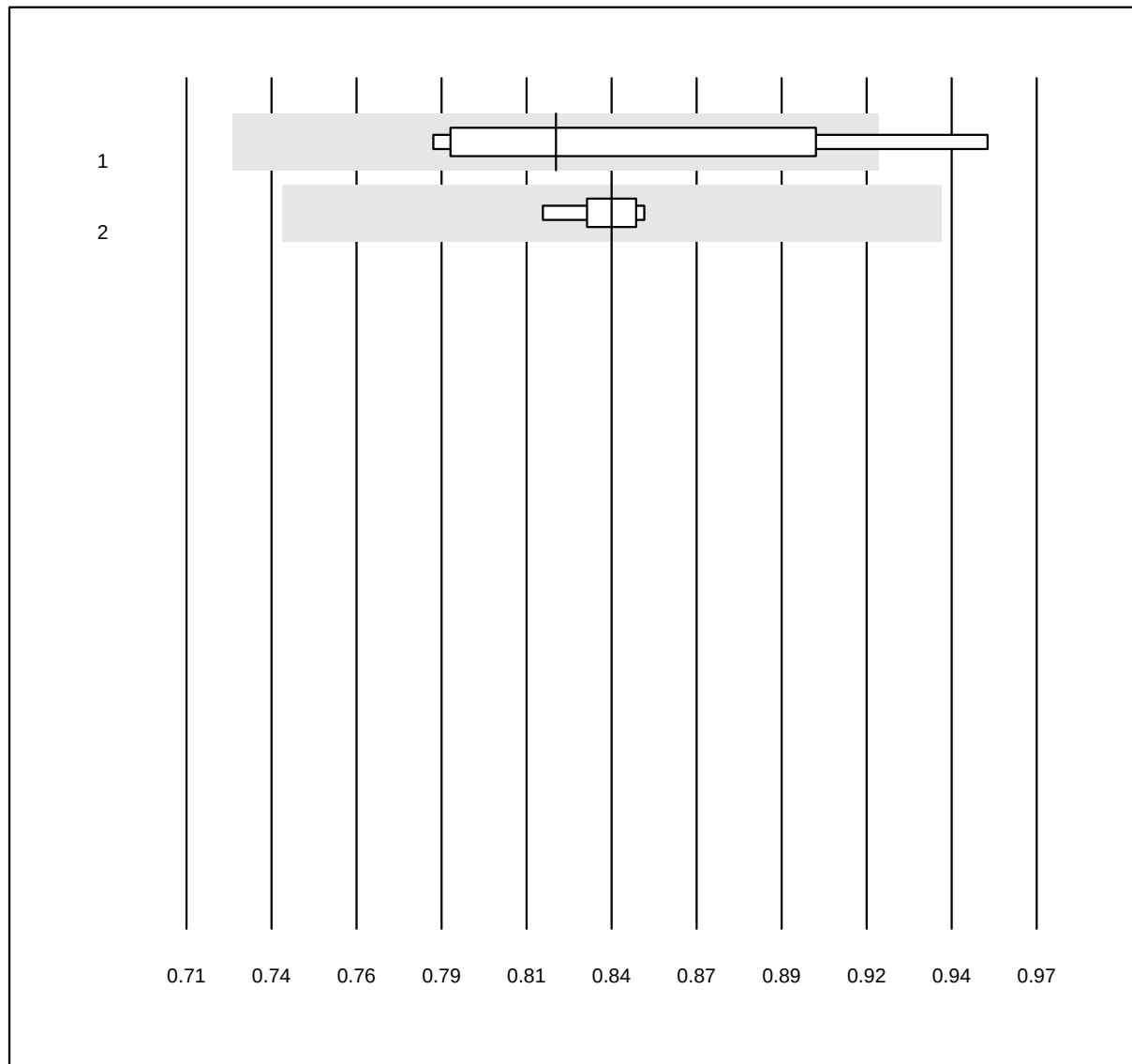
QUALAB Toleranz: 9%
(< 2.0: +/- 0.18 mmol/l)

Calcium (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	1.89	1.5	e
2 Beckman	6	100.0	0.0	0.0	1.94	1.4	e
3 Roche	48	100.0	0.0	0.0	1.91	1.5	e
4 Siemens	10	100.0	0.0	0.0	1.89	2.9	e
5 Autolyser	7	100.0	0.0	0.0	2.04	5.3	e*
6 Selectra Pro	4	100.0	0.0	0.0	1.94	3.0	e*
7 Fuji Dri-Chem	218	97.2	2.3	0.5	1.83	4.3	e
8 Spotchem D-Concept	58	96.6	1.7	1.7	1.50	4.9	e
9 Spotchem SP-4430	9	88.9	0.0	11.1	2.02	3.8	e*
10 Piccolo	49	95.9	0.0	4.1	2.02	2.3	e
11 Vitros	7	100.0	0.0	0.0	1.88	1.7	e

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

Calcium ISE

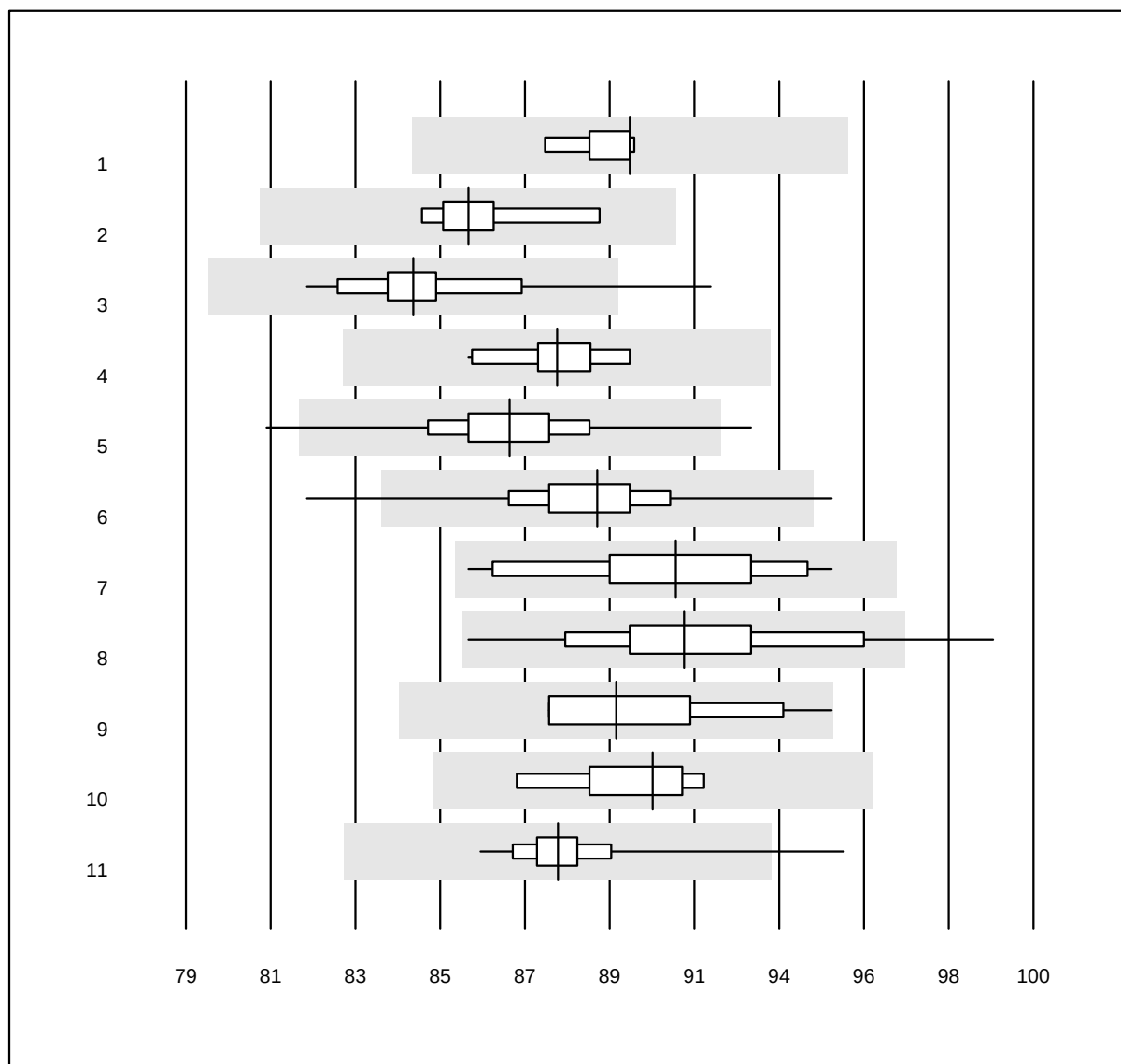


MQ Toleranz: 12%

Calcium ISE (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ISE	4	100.0	0.0	0.0	0.82	7.2	e*
2 iStat Chem8	8	100.0	0.0	0.0	0.84	1.2	e

Chloride



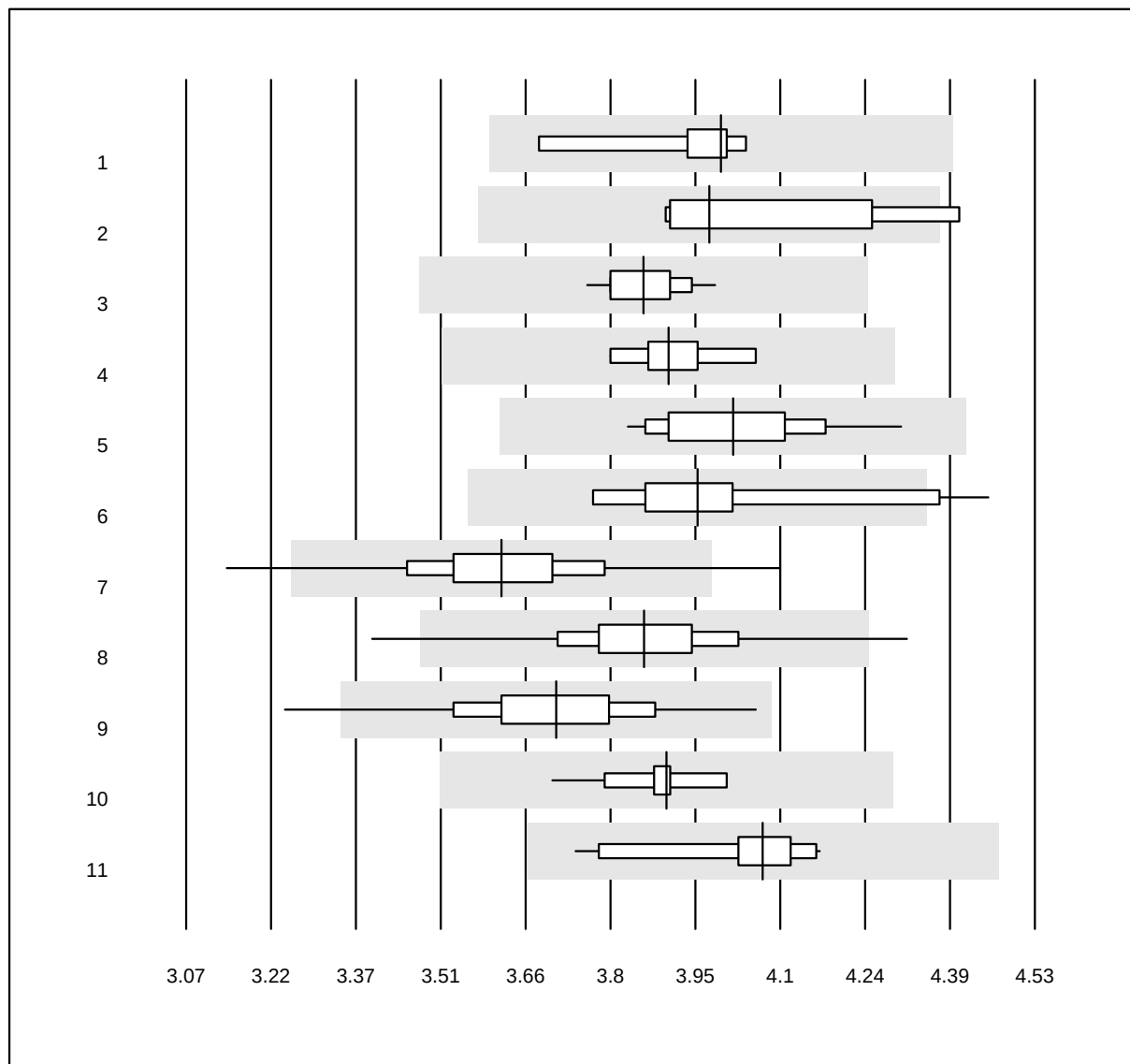
QUALAB Toleranz: 6%

Chloride (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	90	0.9	e
2 Beckman	6	100.0	0.0	0.0	86	1.4	e
3 Roche	35	94.3	5.7	0.0	85	2.5	e
4 Siemens	10	100.0	0.0	0.0	88	1.4	e
5 Fuji Dri-Chem	964	98.4	0.6	0.9	87	1.8	e
6 Spotchem D-Concept	402	96.3	1.5	2.2	89	2.0	e
7 Piccolo	25	100.0	0.0	0.0	91	2.8	e
8 Spotchem EL-SE 1520	43	90.7	9.3	0.0	91	3.0	e
9 iStat Chem8	13	100.0	0.0	0.0	90	2.4	e
10 Vitros	5	100.0	0.0	0.0	91	1.5	e
11 Exias	96	96.9	2.1	1.0	88	1.5	e

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

Cholesterol total 1



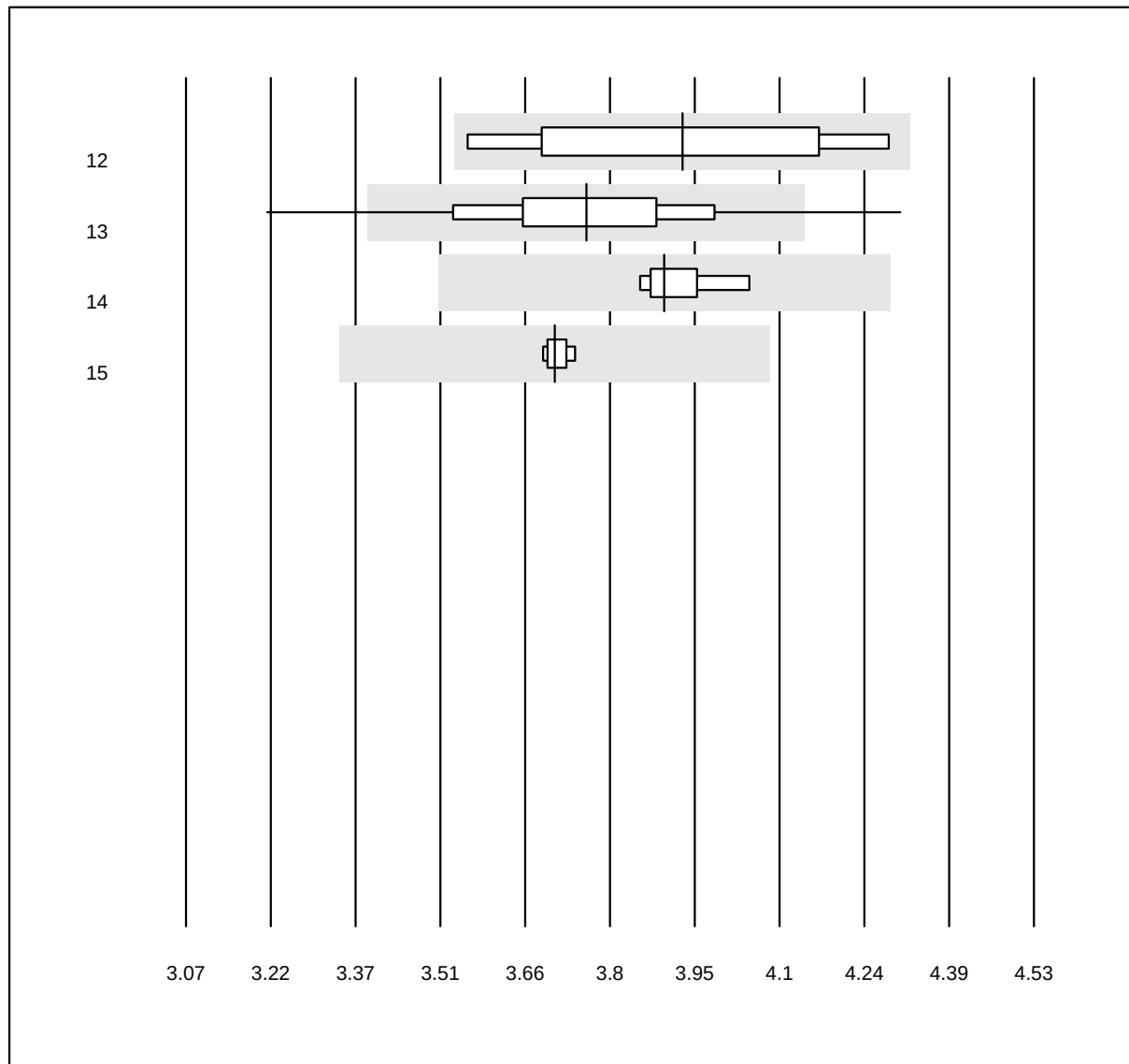
QUALAB Toleranz: 10%

Cholesterol total (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	3.99	2.7	e
2 Beckman	5	80.0	0.0	20.0	3.97	4.7	e*
3 Roche	38	100.0	0.0	0.0	3.86	1.5	e
4 Siemens	9	100.0	0.0	0.0	3.90	2.0	e
5 Autolyser	22	100.0	0.0	0.0	4.01	3.0	e
6 Selectra Pro	12	83.3	8.3	8.3	3.95	4.7	e*
7 Fuji Dri-Chem	1005	97.1	0.9	2.0	3.61	3.7	e
8 Spotchem D-Concept	506	97.6	0.8	1.6	3.86	3.3	e
9 Spotchem SP-4430	72	98.6	1.4	0.0	3.71	3.8	e
10 Piccolo	20	90.0	0.0	10.0	3.90	2.0	e
11 Seamaty	11	100.0	0.0	0.0	4.06	2.9	e

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

Cholesterol total 2



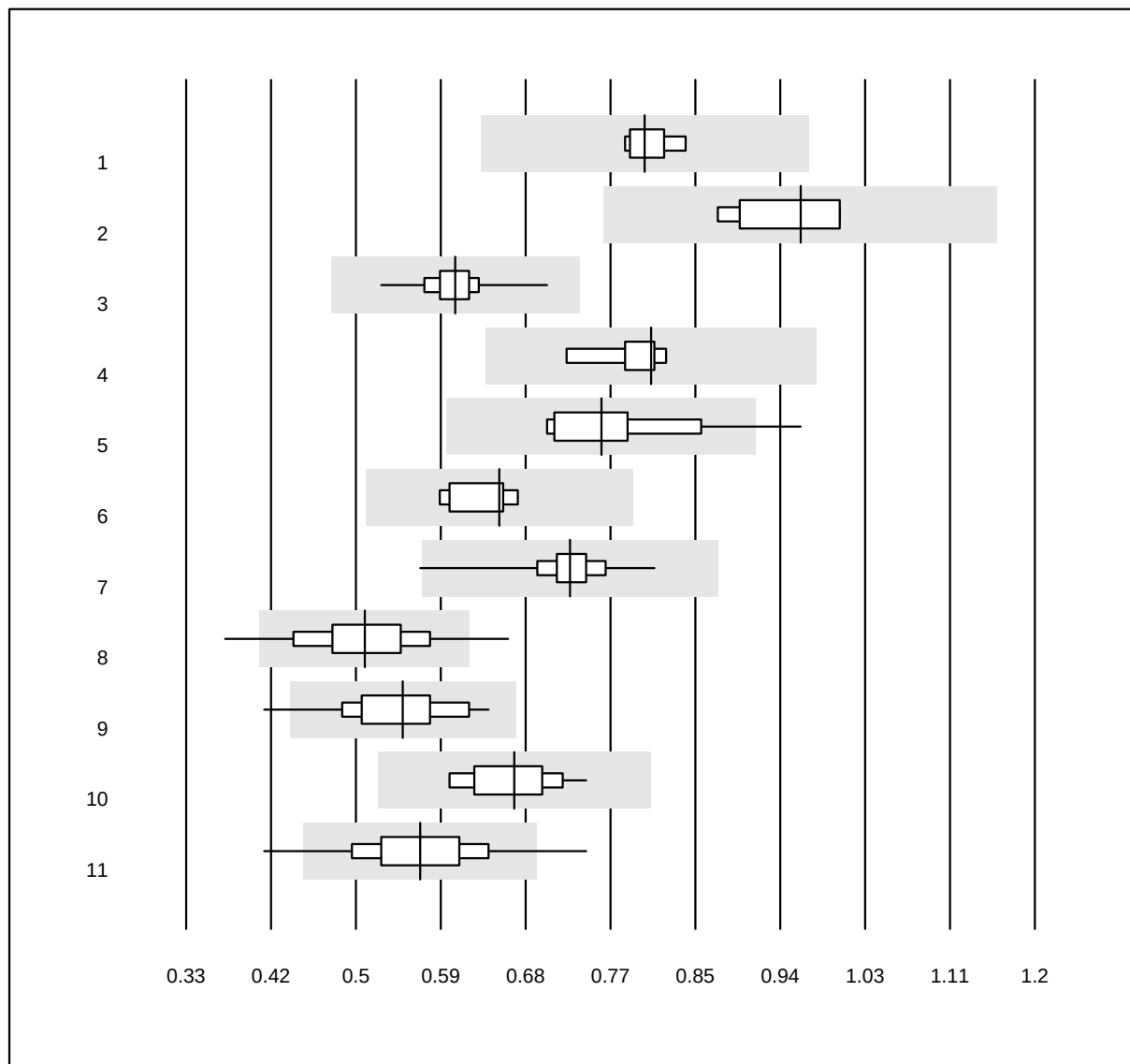
QUALAB Toleranz: 10%

Cholesterol total (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 Skyla	4	100.0	0.0	0.0	3.92	6.3	e*
13 Cholestech LDX	198	94.4	4.0	1.5	3.76	4.8	e
14 Vitros	5	100.0	0.0	0.0	3.89	1.4	e
15 Other methods	4	100.0	0.0	0.0	3.71	0.5	e

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

HDL-cholesterol 1



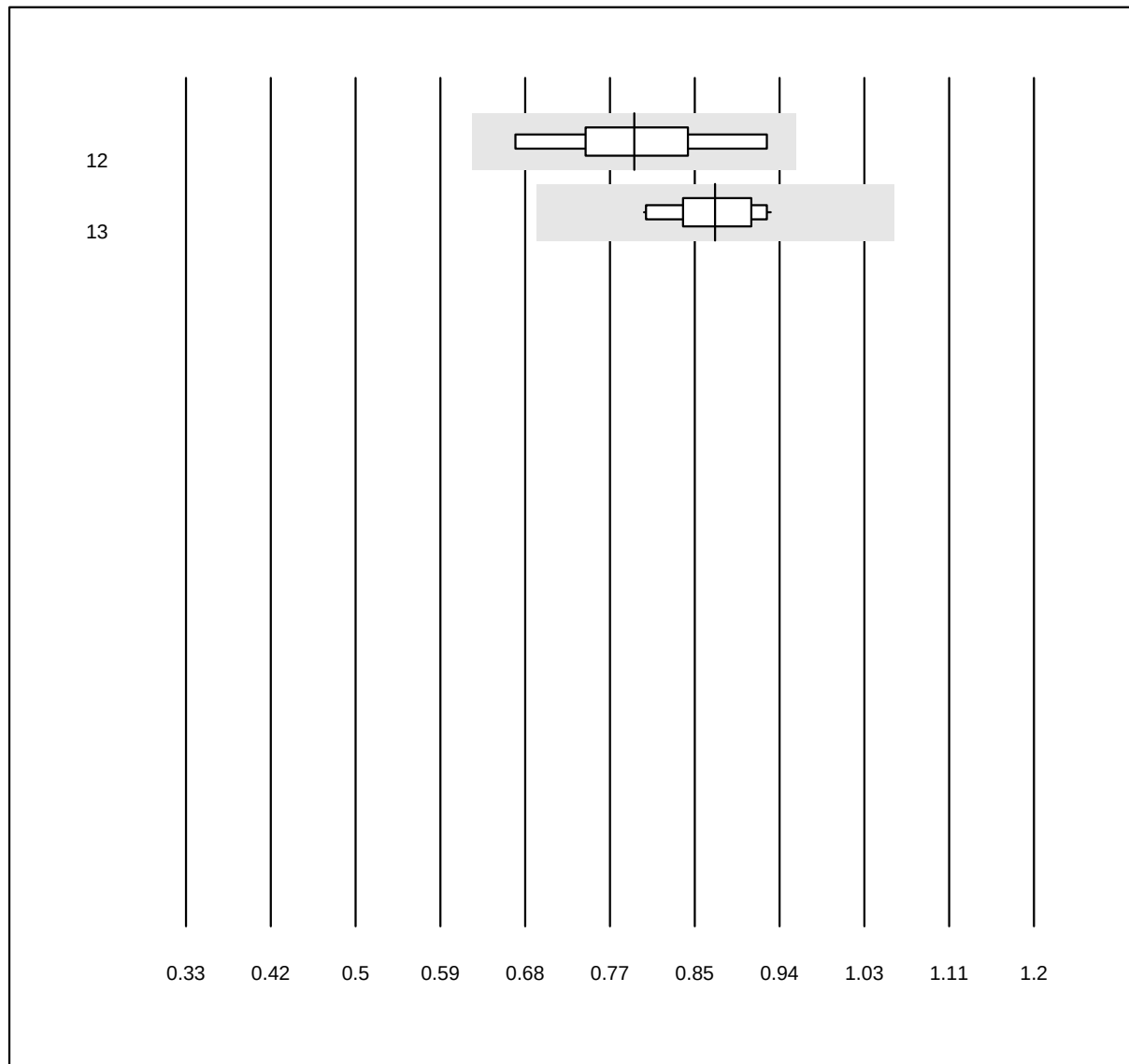
QUALAB Toleranz: 21%

HDL-cholesterol (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	0.80	2.6	e
2 Beckman	4	100.0	0.0	0.0	0.96	5.9	e*
3 Roche	37	97.3	0.0	2.7	0.61	4.5	e
4 Siemens	7	100.0	0.0	0.0	0.81	3.9	e
5 Autolyser	23	91.3	4.3	4.3	0.76	8.5	e
6 Selectra Pro	11	81.8	0.0	18.2	0.65	4.6	e
7 Fuji Dri-Chem	980	99.5	0.1	0.4	0.72	4.0	e
8 Spotchem D-Concept	495	94.7	3.2	2.0	0.51	10.2	e
9 Spotchem SP-4430	66	95.5	1.5	3.0	0.55	8.6	e
10 Piccolo	18	94.4	0.0	5.6	0.67	6.1	e
11 Cholestech LDX	199	91.0	7.5	1.5	0.57	10.6	e

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

HDL-cholesterol 2



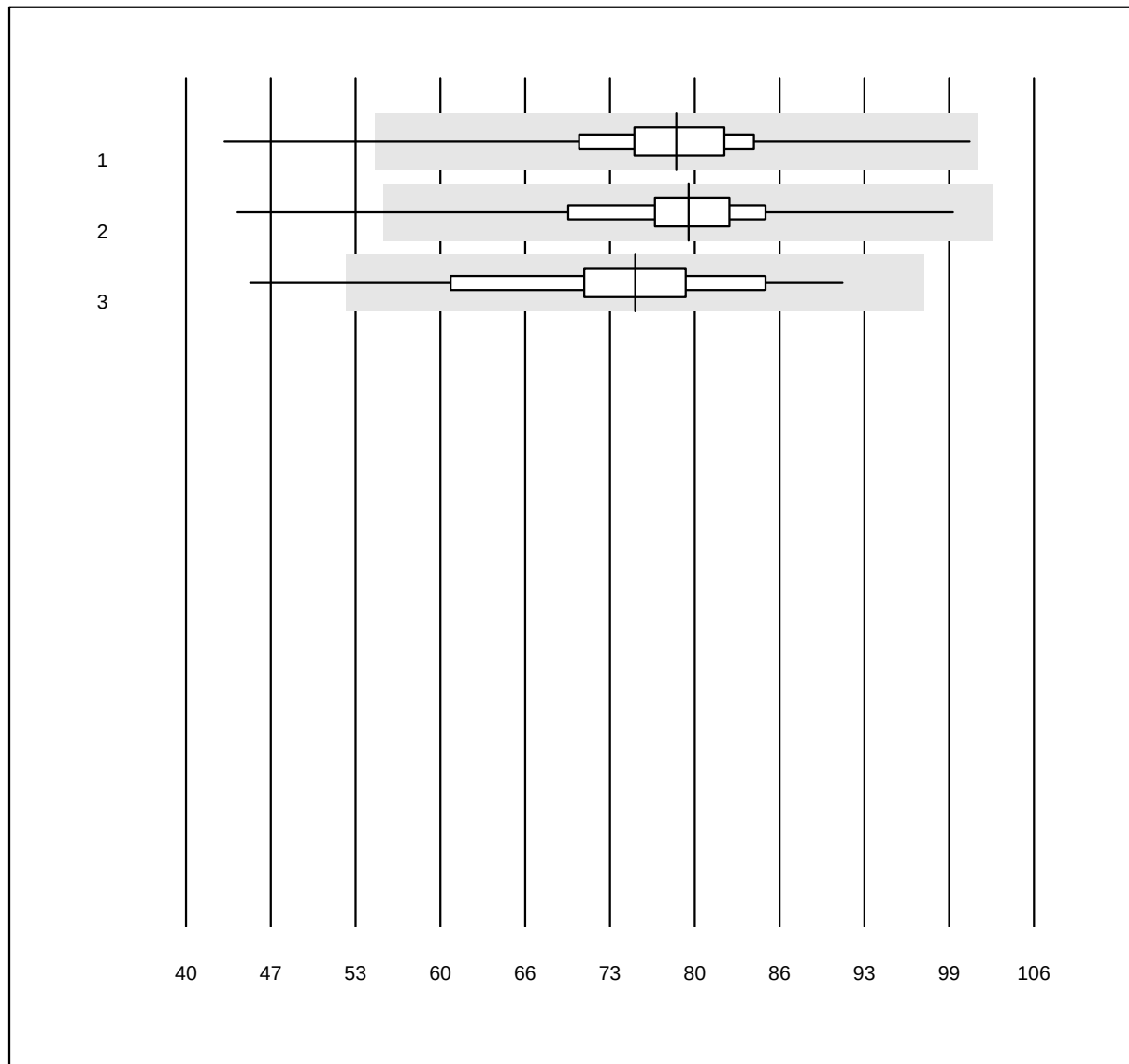
QUALAB Toleranz: 21%

HDL-cholesterol (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 Vitros	5	100.0	0.0	0.0	0.79	8.5	e*
13 Seamaty	11	100.0	0.0	0.0	0.87	4.9	e

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

eGFR CKD-EPI

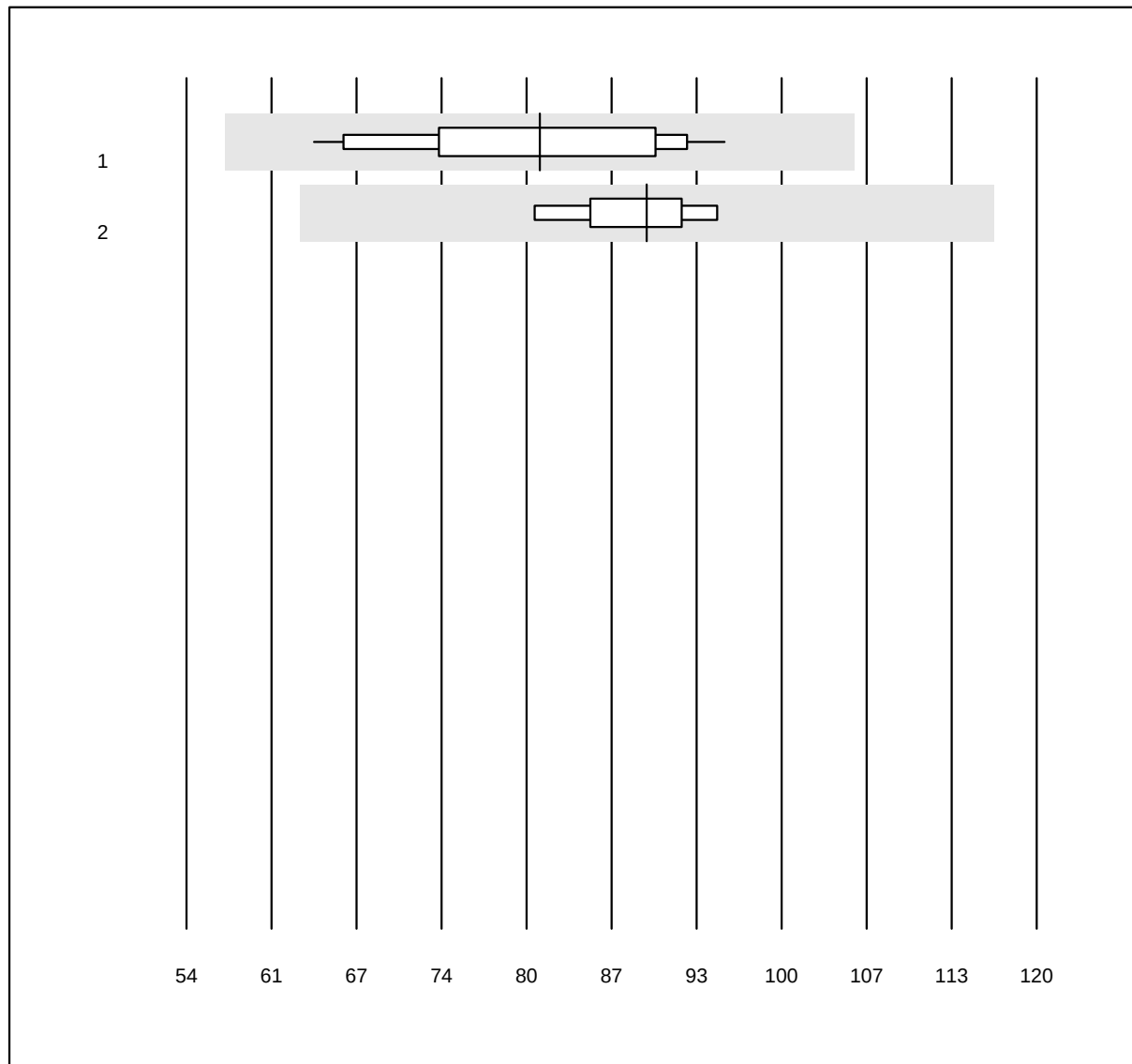


QUALAB Toleranz: 30%

eGFR CKD-EPI ()

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Fuji Dri-Chem	425	95.8	2.8	1.4	78.2	10.0	e
2 Spotchem	286	95.8	1.7	2.4	79.1	9.4	e
3 Standard chemistry	59	96.6	3.4	0.0	75.0	12.0	e

eGFR Cockcroft-Gault



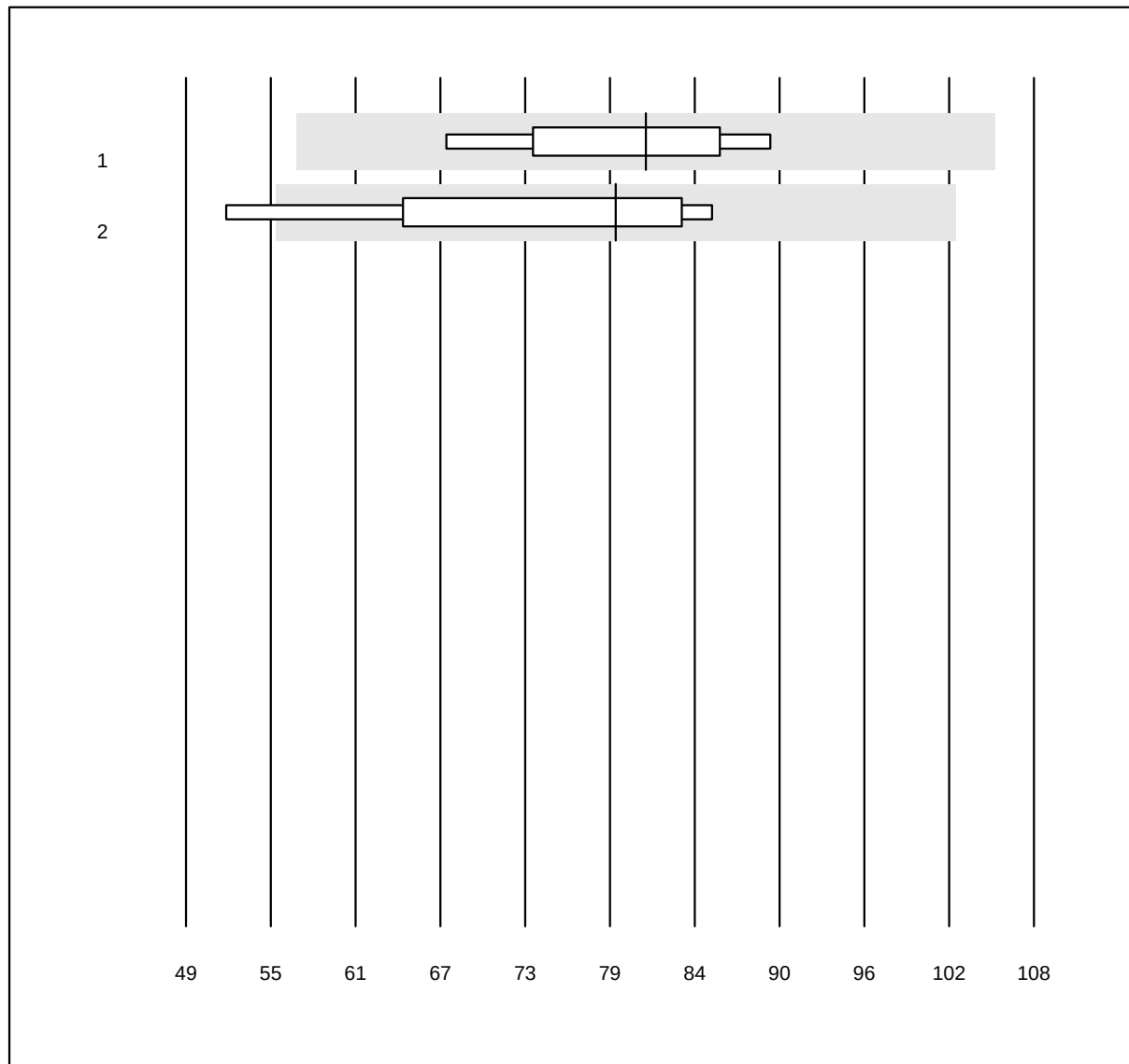
MQ Toleranz: 30%

eGFR Cockcroft-Gault ()

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Fuji Dri-Chem	21	100.0	0.0	0.0	81	11.4	e
2 Spotchem	8	100.0	0.0	0.0	90	5.0	e

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

eGFR MDRD

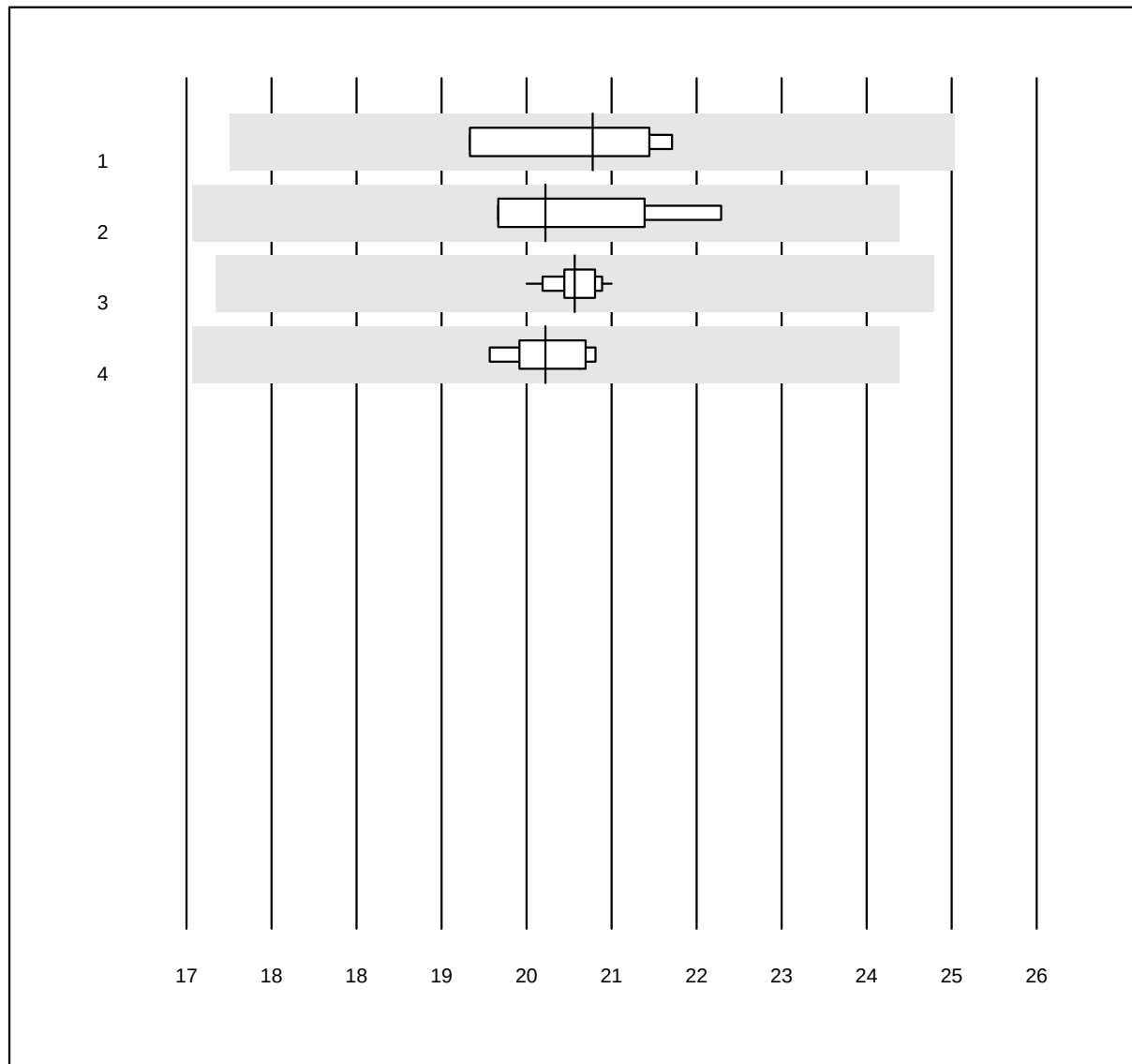


MQ Toleranz: 30%

eGFR MDRD ()

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Fuji Dri-Chem	5	100.0	0.0	0.0	81	8.9	e*
2 Standard chemistry	4	100.0	0.0	0.0	79	14.3	e*

Iron



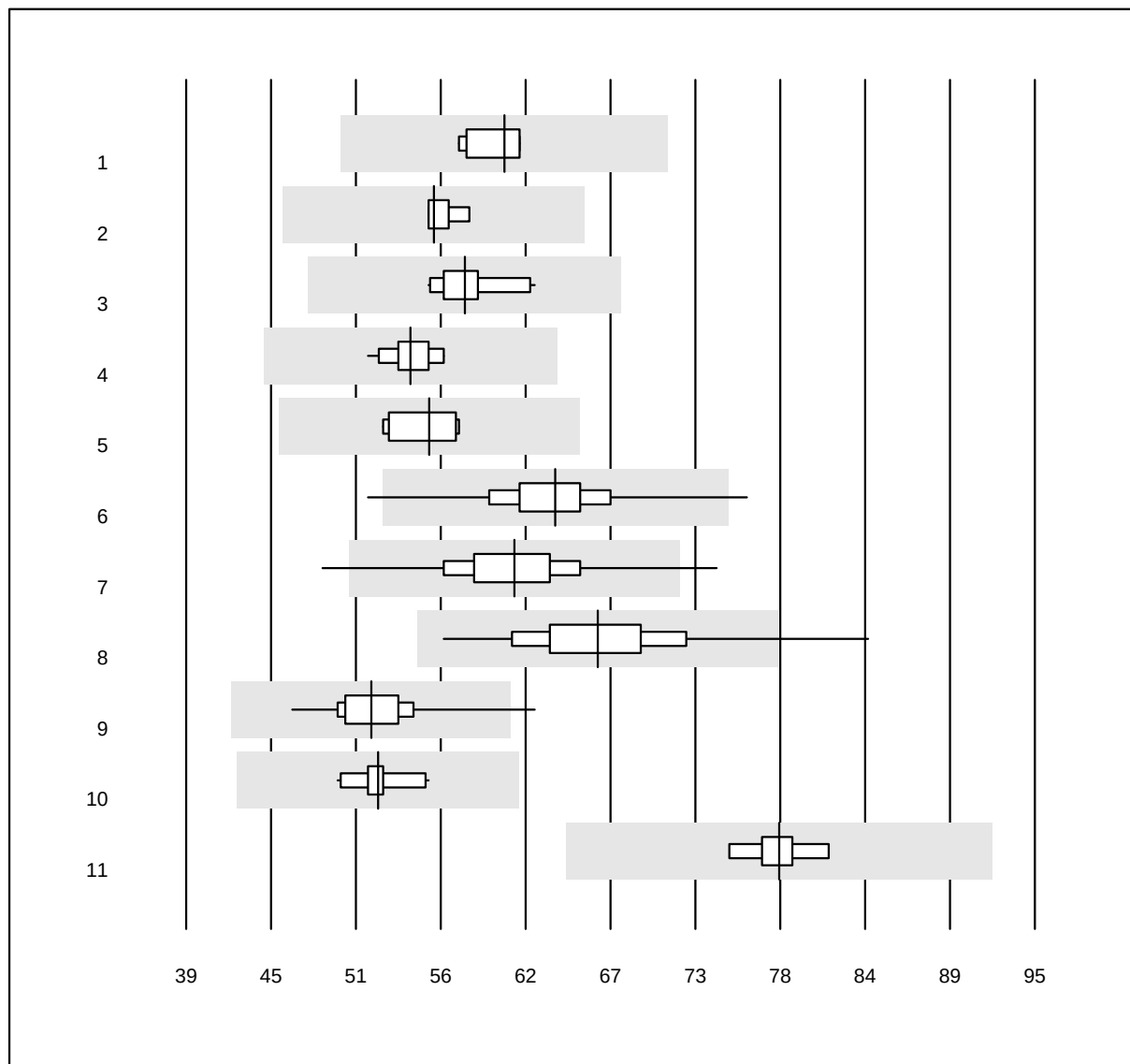
QUALAB Toleranz: 18%

Iron (µmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	7	100.0	0.0	0.0	21	4.0	e
2 Beckman	5	100.0	0.0	0.0	21	4.1	e
3 Roche	26	100.0	0.0	0.0	21	1.1	e
4 Siemens	6	100.0	0.0	0.0	21	1.8	e

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

Gamma-glutamyltransferase 1

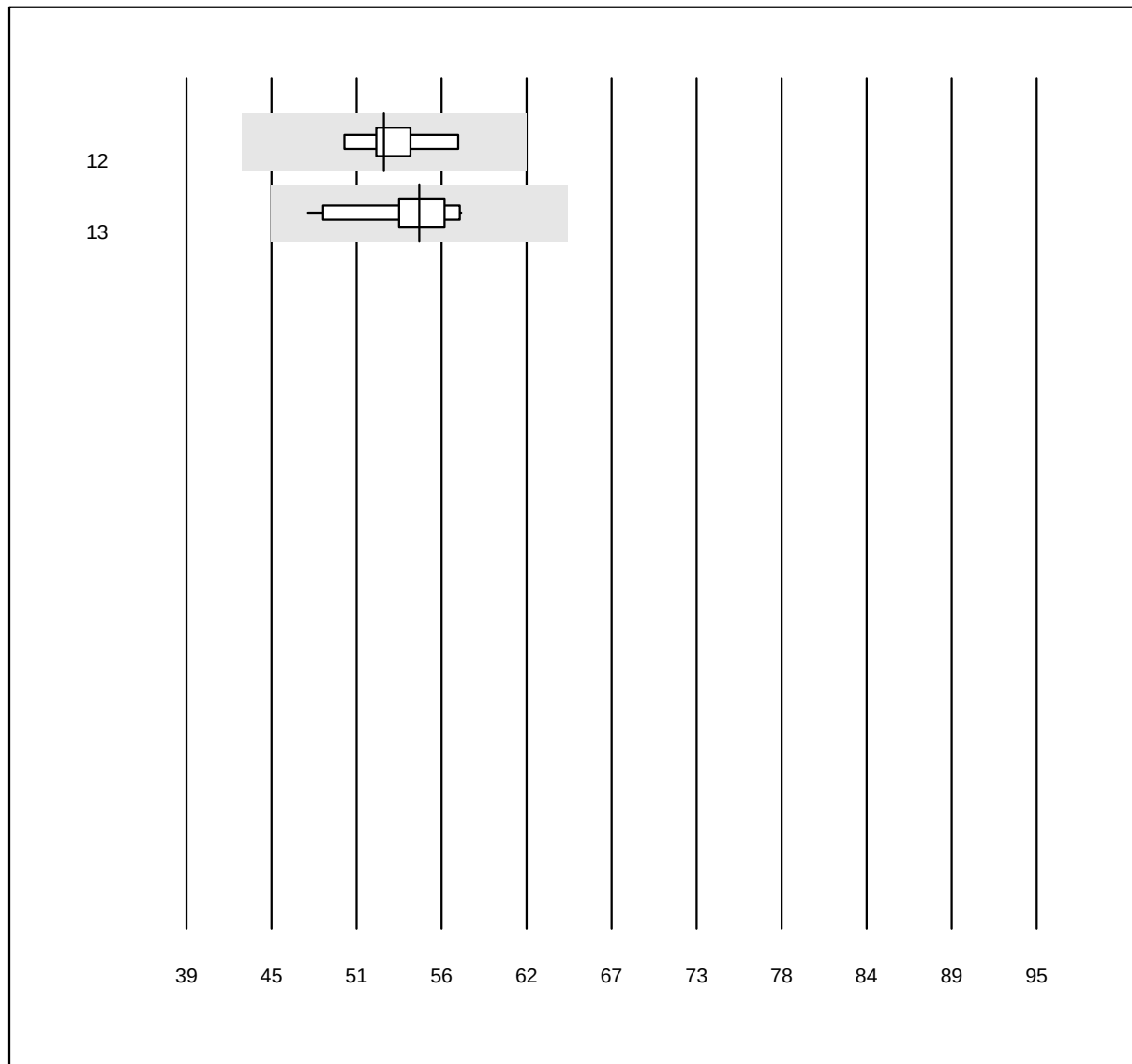


QUALAB Toleranz: 18%

		Gamma-glutamyltransferase				Target Value	VK %	Type
No.	Method	Total	% OK	% insuff.	% outlier			
1	Abbott	8	100.0	0.0	0.0	60	2.8	e
2	Beckman	6	100.0	0.0	0.0	55	1.6	e
3	Siemens	10	100.0	0.0	0.0	57	3.4	e
4	Autolyser	23	100.0	0.0	0.0	54	2.9	e
5	Selectra Pro	13	92.3	0.0	7.7	55	3.7	e
6	Fuji Dri-Chem	1167	99.4	0.2	0.4	63	4.9	e
7	Spotchem D-Concept	654	99.5	0.3	0.2	61	5.5	e
8	Spotchem SP-4430	115	97.4	1.7	0.9	66	7.4	e
9	Piccolo	57	96.5	3.5	0.0	51	5.3	e
10	Seamaty	11	100.0	0.0	0.0	52	3.2	e
11	Vitros	7	100.0	0.0	0.0	78	2.3	e

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

Gamma-glutamyltransferase 2

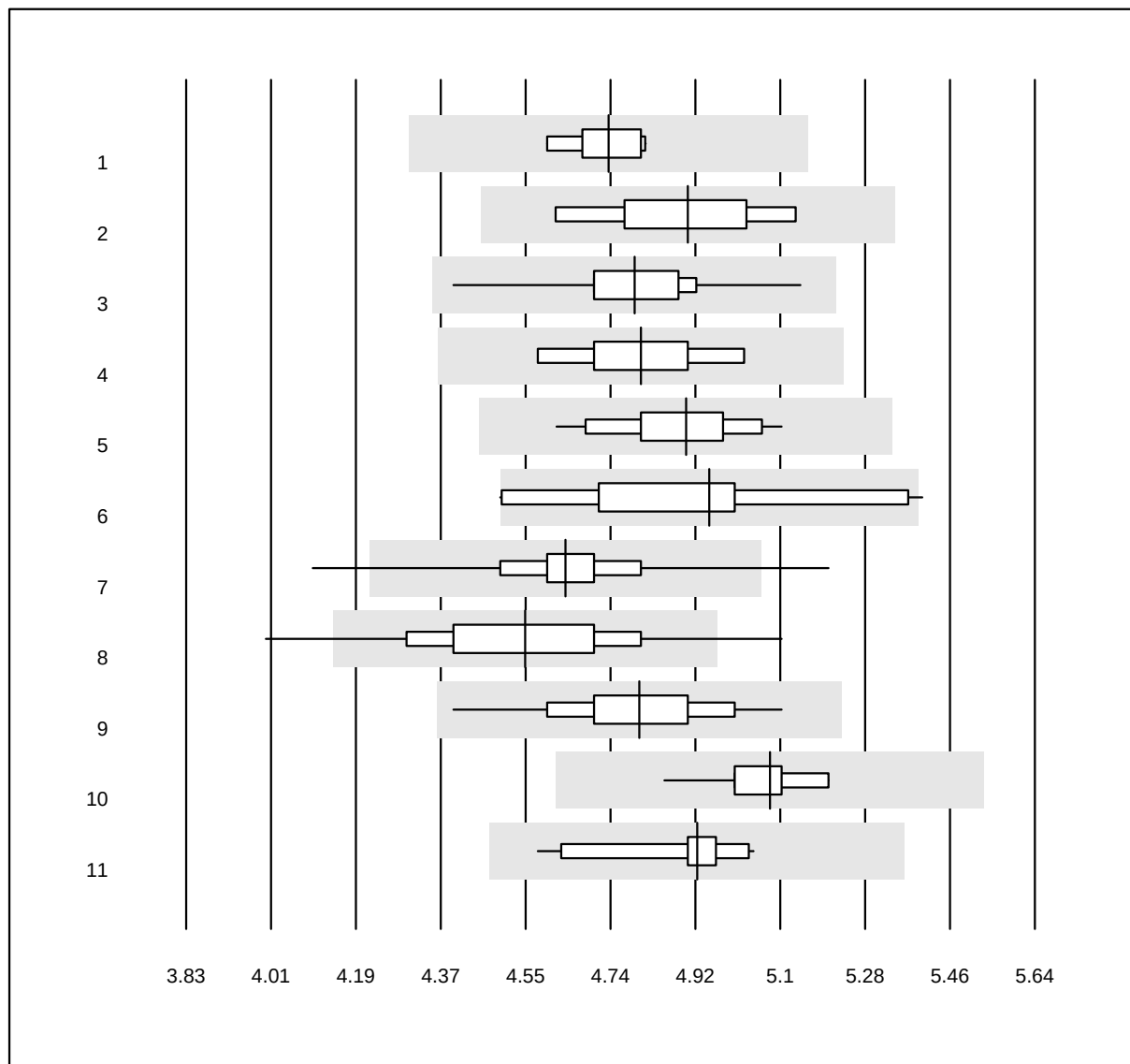


QUALAB Toleranz: 18%

		Gamma-glutamyltransferase				Target Value	VK %	Type
No.	Method	Total	% OK	% insuff.	% outlier			
12	Skyla	6	100.0	0.0	0.0	52	3.8	e
13	Cobas	48	100.0	0.0	0.0	54	5.6	e

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

Glucose 1



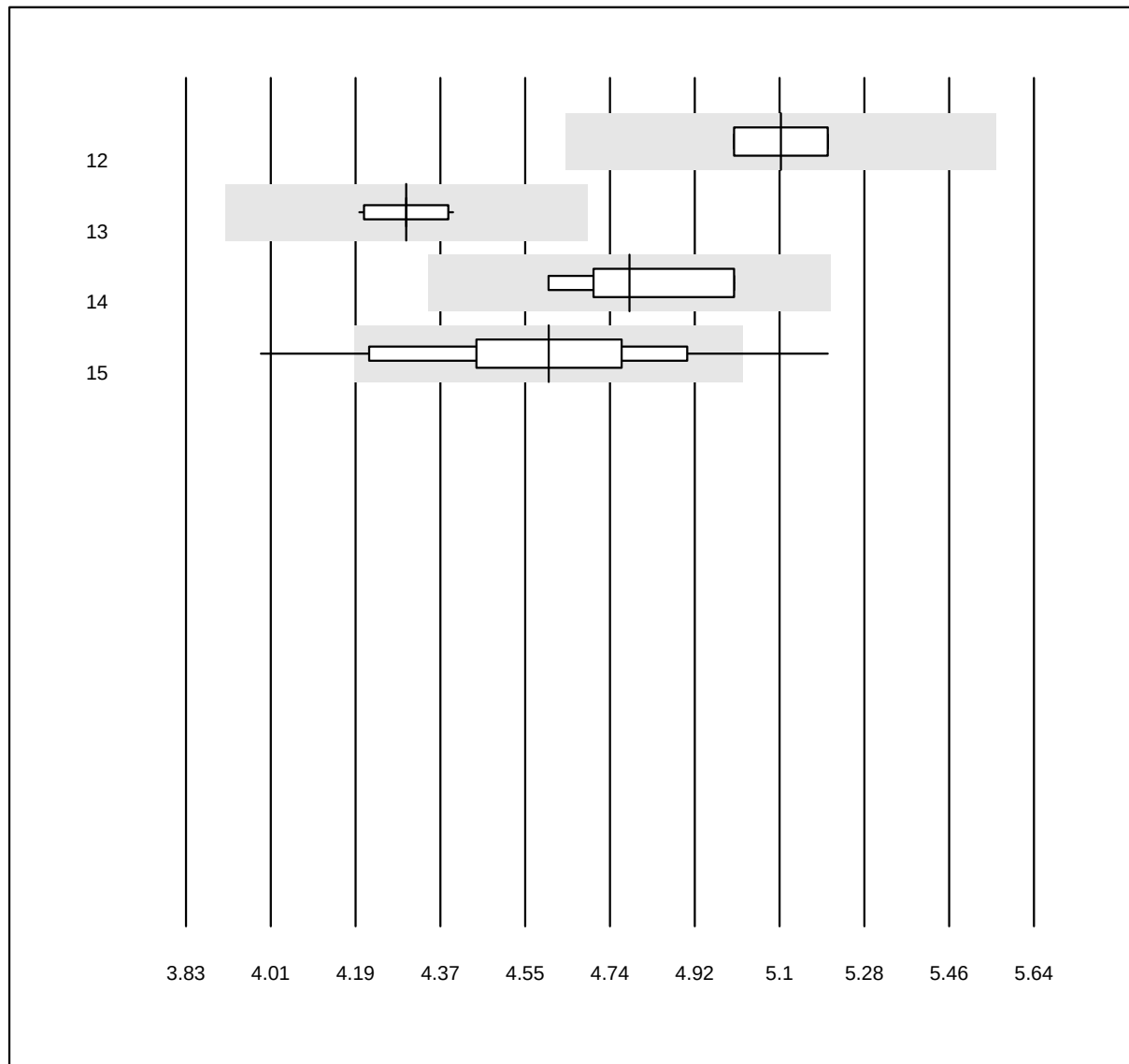
QUALAB Toleranz: 9%

Glucose (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	10	100.0	0.0	0.0	4.7	1.8	e
2 Beckman	6	100.0	0.0	0.0	4.9	3.1	e*
3 Roche	51	100.0	0.0	0.0	4.8	2.4	e
4 Siemens	7	100.0	0.0	0.0	4.8	2.9	e*
5 Autolyser	21	95.2	0.0	4.8	4.9	2.7	e
6 Selectra Pro	13	76.9	15.4	7.7	4.9	5.6	e*
7 Fuji Dri-Chem	1112	98.6	0.9	0.5	4.6	2.7	e
8 Spotchem D-Concept	616	96.6	2.9	0.5	4.6	3.9	e
9 Spotchem SP-4430	90	97.8	0.0	2.2	4.8	3.3	e
10 Piccolo	71	100.0	0.0	0.0	5.1	1.5	e
11 Seamaty	11	100.0	0.0	0.0	4.9	2.4	e

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

Glucose 2



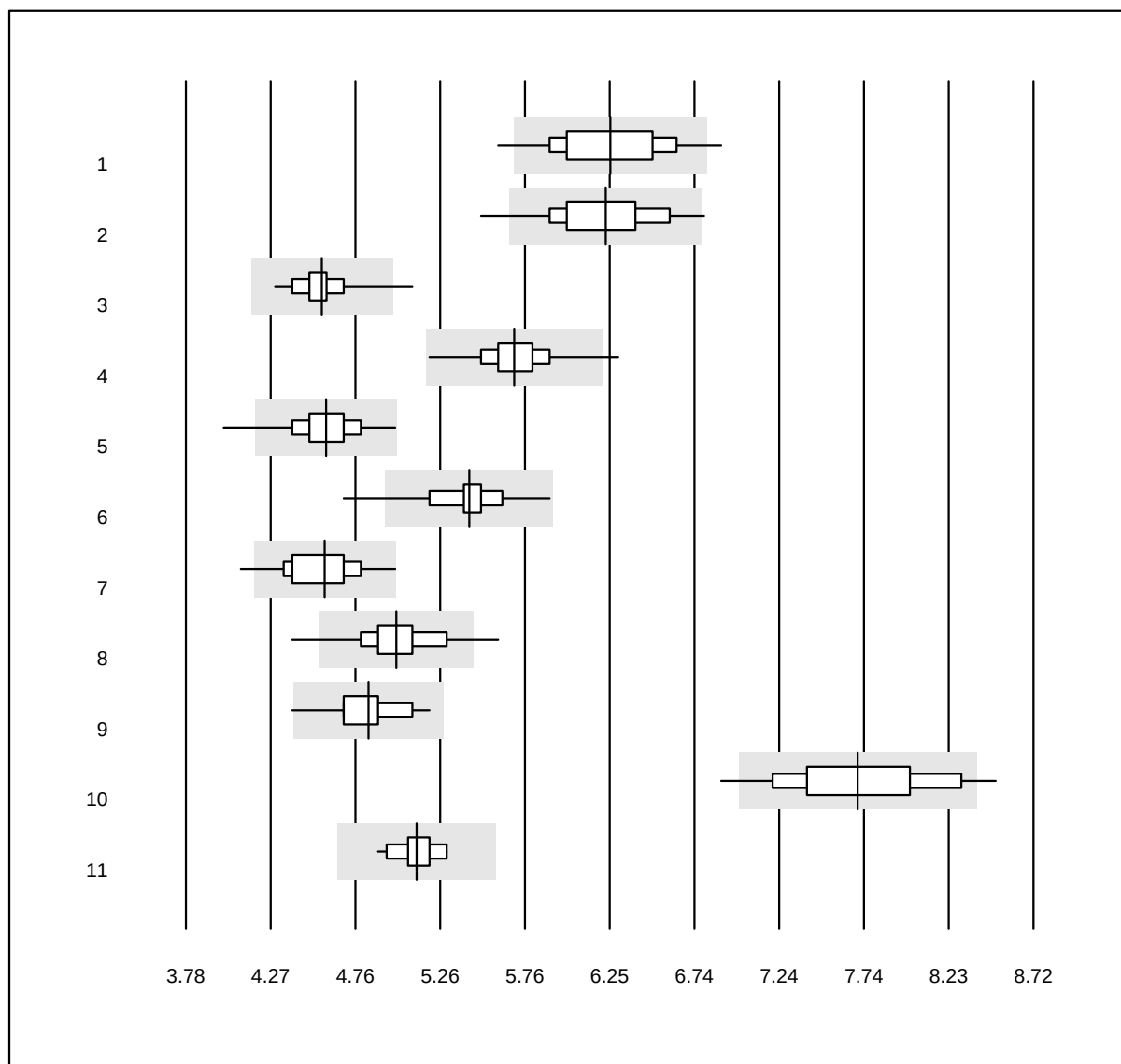
QUALAB Toleranz: 9%

Glucose (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 Skyla	6	100.0	0.0	0.0	5.1	1.8	e
13 iStat Chem8	10	100.0	0.0	0.0	4.3	1.1	e
14 Vitros	7	100.0	0.0	0.0	4.8	3.0	e*
15 Cholestech LDX	198	83.8	10.1	6.1	4.6	5.3	e

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

Glucose BGM 1



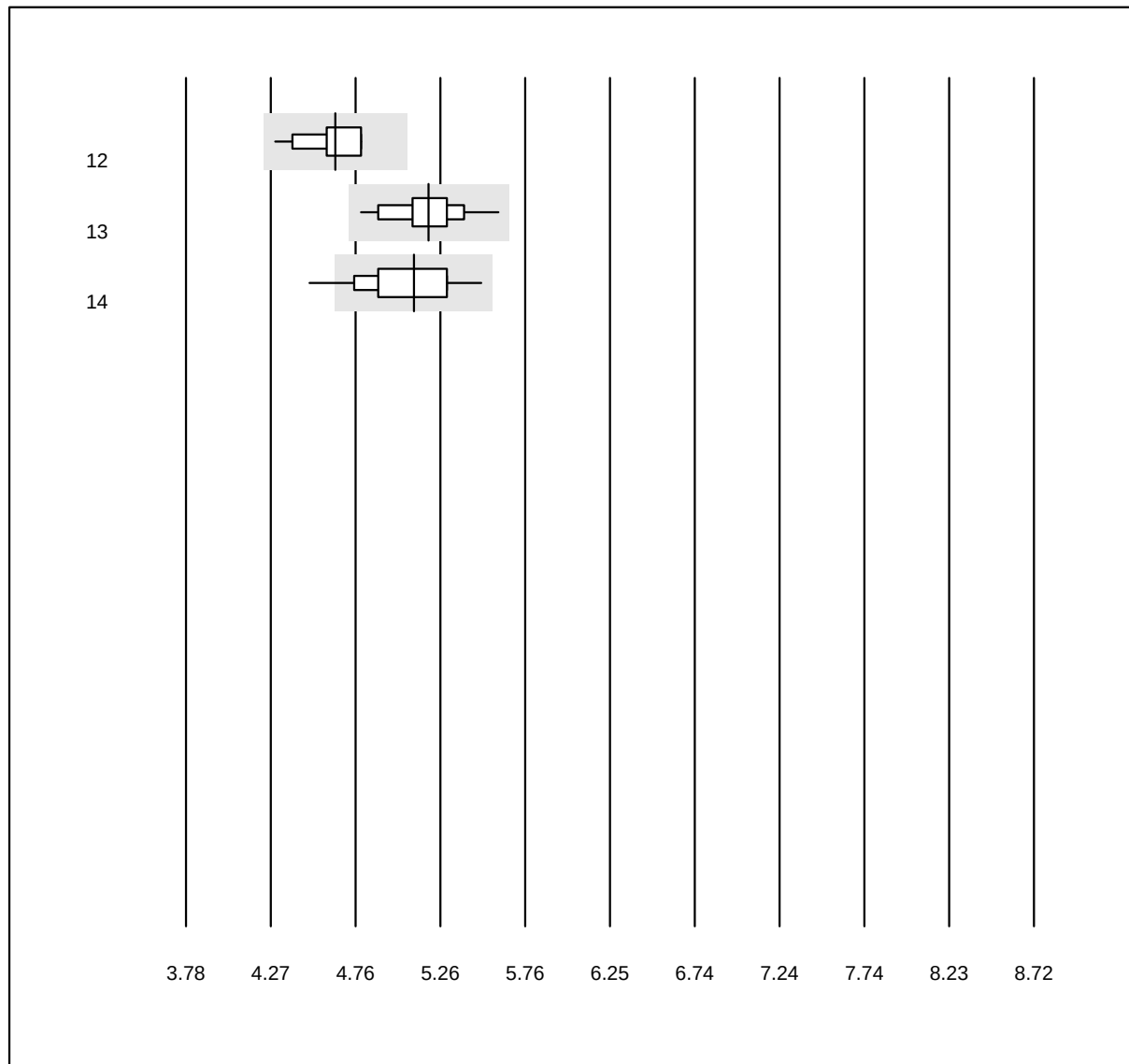
QUALAB Toleranz: 9%

Glucose BGM (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Hemocue 201RT P-equiv	141	94.3	1.4	4.3	6.3	4.5	e
2 Hemocue 201+ P-equiv	147	91.8	5.4	2.7	6.2	4.5	e
3 Cobas Pulse	350	98.0	2.0	0.0	4.6	2.8	e
4 Accu-Chek Inform 2	921	99.5	0.2	0.3	5.7	2.4	e
5 Accu-Check Guide	342	98.5	0.6	0.9	4.6	3.5	e
6 Accu-Chek Aviva	81	91.4	1.2	7.4	5.4	3.4	e
7 Accu-Chek Instant	136	96.3	2.2	1.5	4.6	4.1	e
8 Contour NEXT/XT	1526	97.6	1.3	1.1	5.0	3.9	e
9 Statstrip/Xpress	111	99.1	0.9	0.0	4.8	3.2	e
10 Healthpro	24	87.5	8.3	4.2	7.7	5.3	e
11 Alpha Check	14	100.0	0.0	0.0	5.1	2.2	e

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

Glucose BGM 2



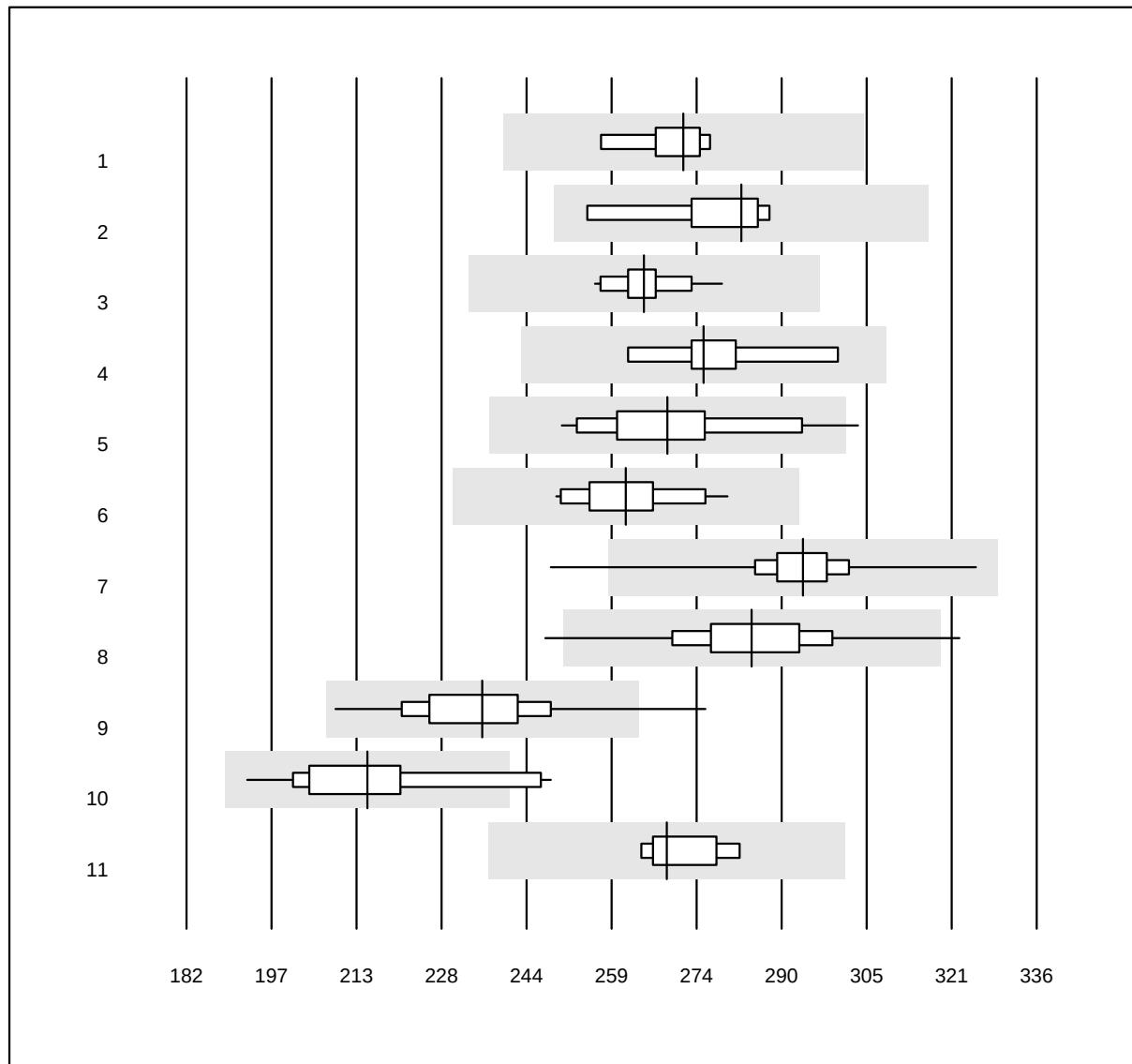
QUALAB Toleranz: 9%

Glucose BGM (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 OneTouch Verio	31	100.0	0.0	0.0	4.7	3.2	e
13 Mylife UNIO	108	100.0	0.0	0.0	5.2	3.7	e
14 mylife Pura	35	94.3	5.7	0.0	5.1	4.4	e

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

Uric Acid 1



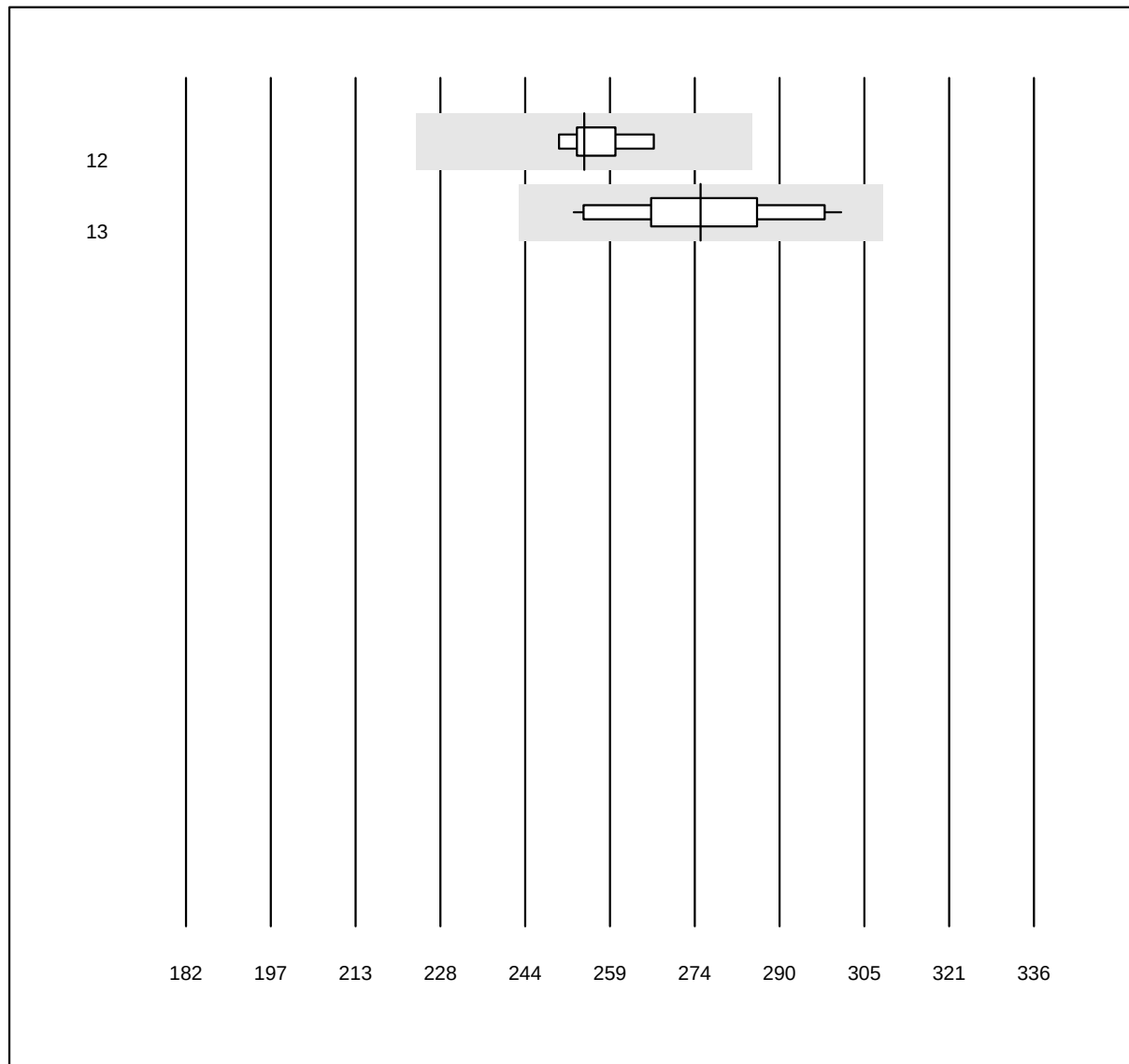
QUALAB Toleranz: 12%

Uric Acid (µmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	272	2.3	e
2 Beckman	6	100.0	0.0	0.0	283	3.6	e*
3 Roche	44	100.0	0.0	0.0	265	2.0	e
4 Siemens	9	100.0	0.0	0.0	276	3.7	e
5 Autolyser	20	95.0	5.0	0.0	269	5.1	e
6 Selectra Pro	13	100.0	0.0	0.0	262	3.2	e
7 Fuji Dri-Chem	1080	99.2	0.3	0.6	294	2.6	e
8 Spotchem D-Concept	616	98.7	0.6	0.6	284	4.0	e
9 Spotchem SP-4430	88	90.9	3.4	5.7	236	5.3	e
10 Piccolo	32	75.0	12.5	12.5	215	7.1	e
11 Skyla	6	100.0	0.0	0.0	269	2.3	e

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

Uric Acid 2



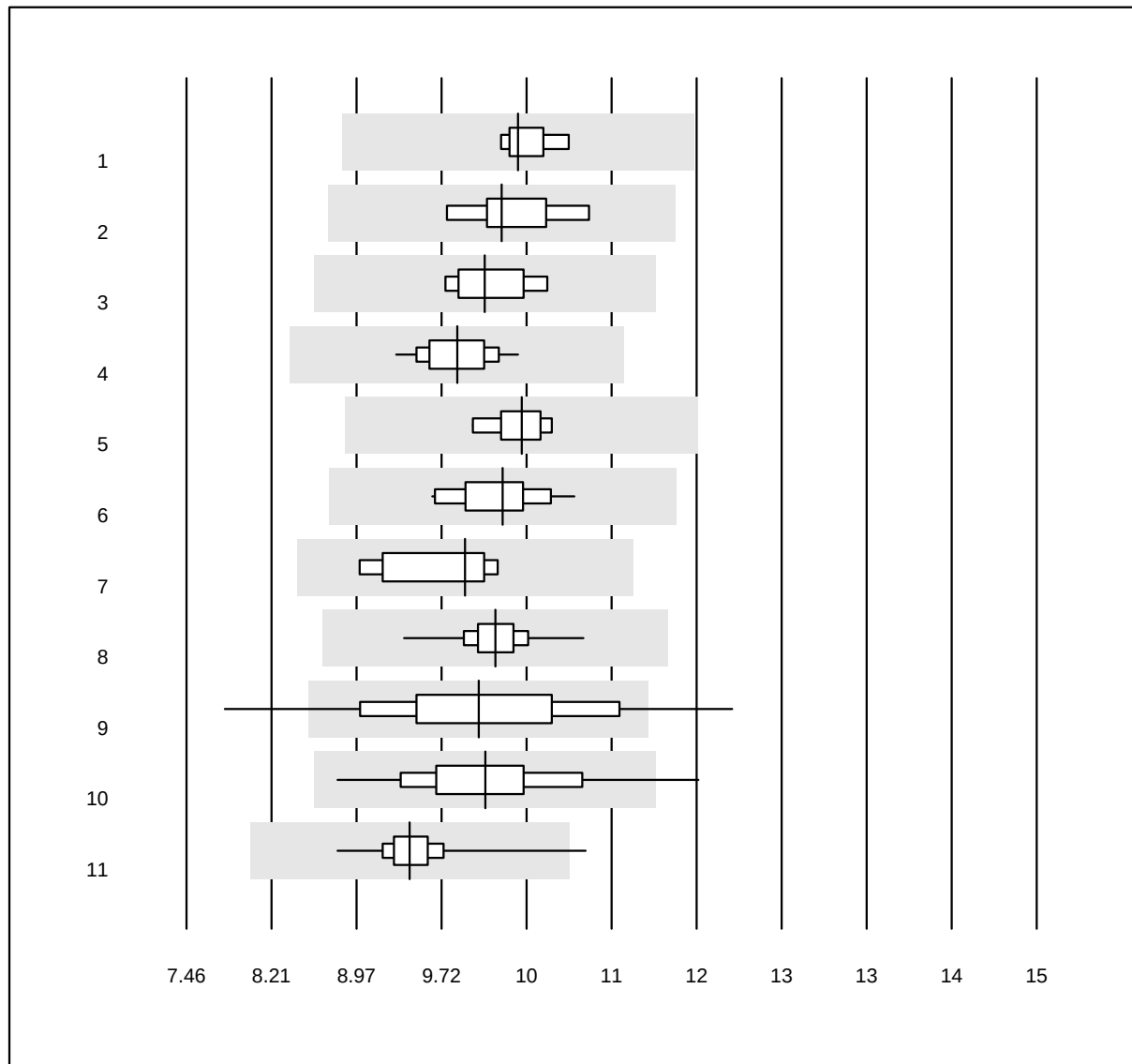
QUALAB Toleranz: 12%

Uric Acid (µmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 Vitros	7	100.0	0.0	0.0	254	2.1	e
13 Seamaty	11	100.0	0.0	0.0	275	4.9	e*

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

Urea 1

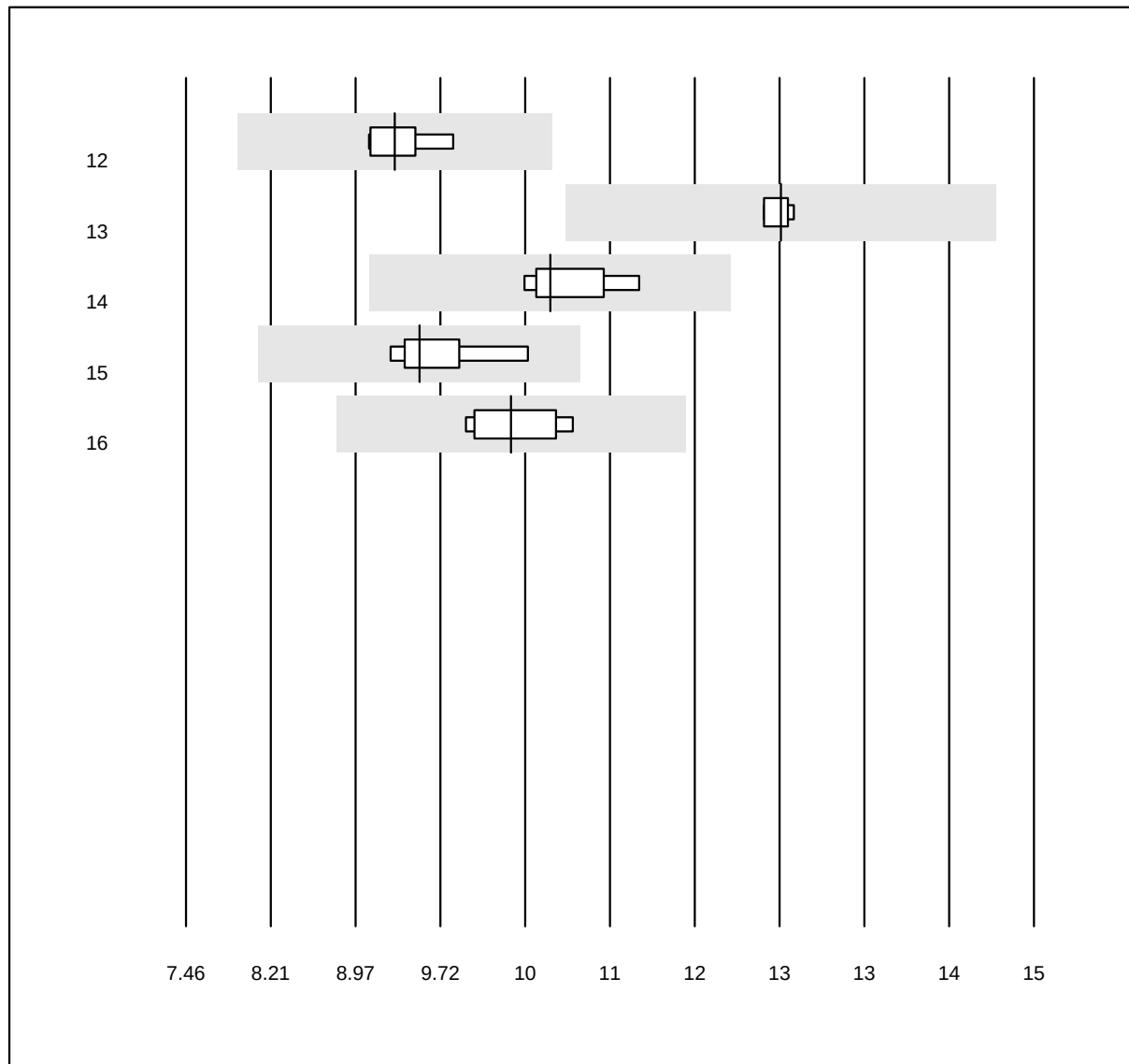


QUALAB Toleranz: 15%

Urea (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 EPOC	6	66.7	0.0	33.3	10.4	1.7	e
2 Abbott	8	100.0	0.0	0.0	10.3	3.6	e
3 Beckman	6	100.0	0.0	0.0	10.1	3.2	e
4 Roche	46	100.0	0.0	0.0	9.9	2.7	e
5 Siemens	9	100.0	0.0	0.0	10.4	2.2	e
6 Autolyser	18	94.4	0.0	5.6	10.3	3.4	e
7 Selectra Pro	8	87.5	0.0	12.5	9.9	4.8	e
8 Fuji Dri-Chem	635	99.7	0.0	0.3	10.2	2.3	e
9 Spotchem D-Concept	346	92.2	7.2	0.6	10.1	8.5	e
10 Spotchem SP-4430	42	97.6	2.4	0.0	10.1	6.2	e
11 Piccolo	66	97.0	1.5	1.5	9.4	3.4	e

Urea 2

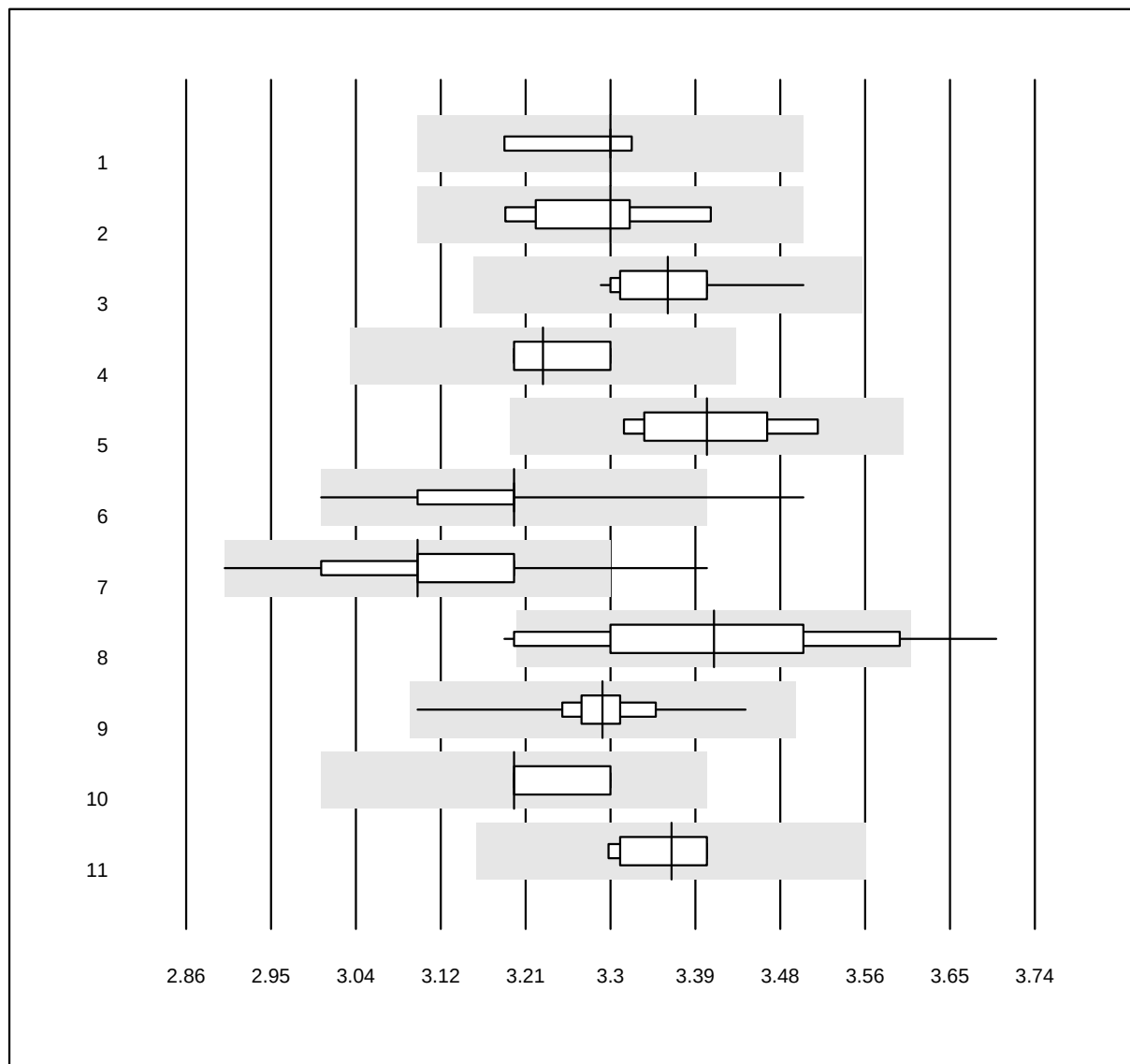


QUALAB Toleranz: 15%

Urea (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 Vitros	7	100.0	0.0	0.0	9.3	2.6	e
13 iStat Chem8	6	100.0	0.0	0.0	12.8	0.9	e
14 Skyla	6	100.0	0.0	0.0	10.7	3.2	e
15 Seamaty	9	100.0	0.0	0.0	9.5	3.9	e
16 Other methods	4	100.0	0.0	0.0	10.3	3.7	e*

Potassium 1



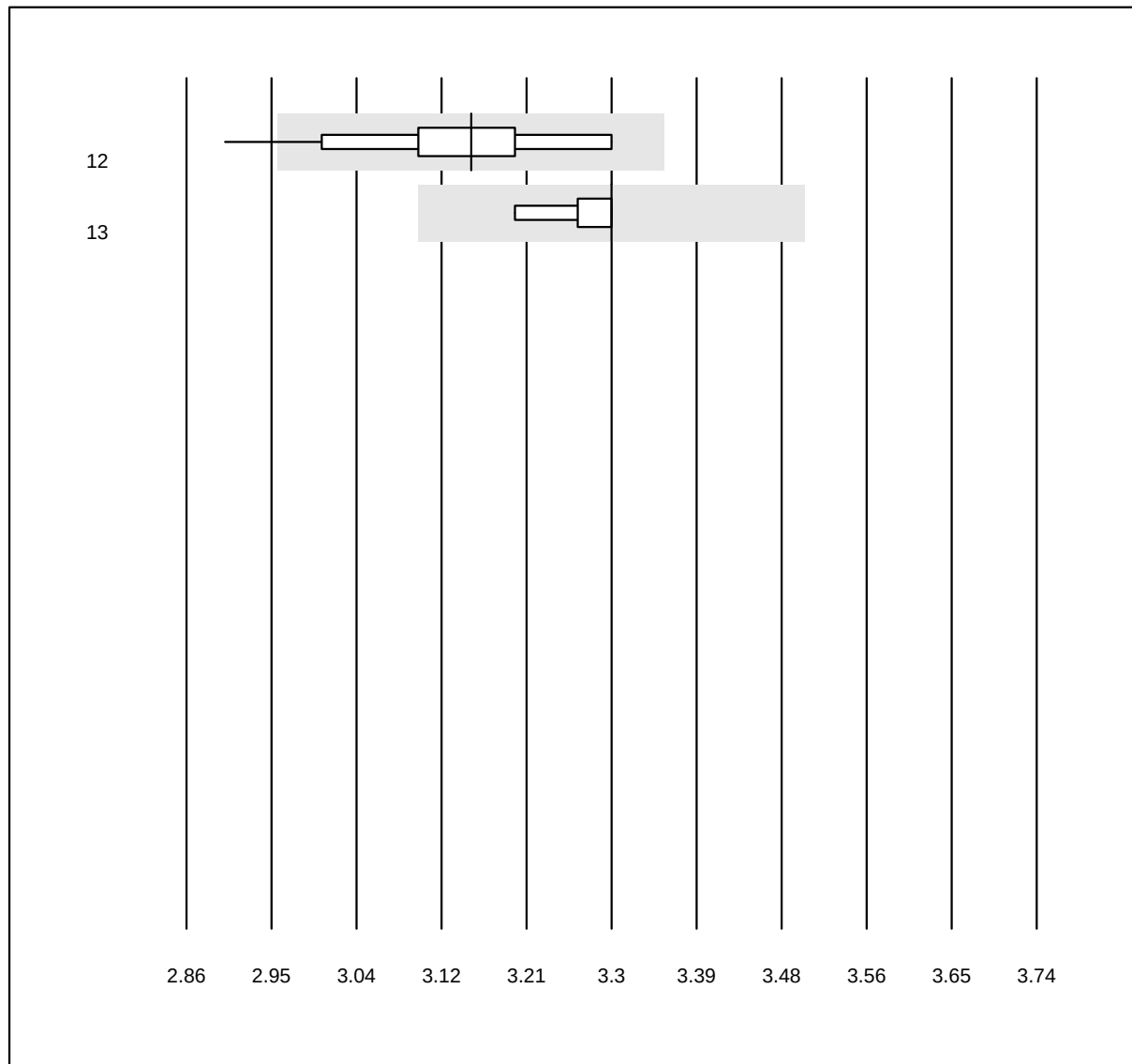
QUALAB Toleranz: 6%

Potassium (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	3.30	1.1	e
2 Beckman	6	100.0	0.0	0.0	3.30	1.9	e*
3 Roche	47	100.0	0.0	0.0	3.36	1.4	e
4 Siemens	8	100.0	0.0	0.0	3.23	1.5	e
5 Autolyser	6	100.0	0.0	0.0	3.40	2.0	e*
6 Fuji Dri-Chem	1127	97.5	1.8	0.7	3.20	1.5	e
7 Spotchem D-Concept	507	92.1	3.2	4.7	3.10	2.5	e
8 Piccolo	38	55.3	13.2	31.6	3.41	4.3	e
9 Exias	114	98.2	0.0	1.8	3.29	1.2	e
10 iStat Chem8	11	100.0	0.0	0.0	3.20	1.4	e
11 Vitros	7	100.0	0.0	0.0	3.36	1.3	e

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

Potassium 2



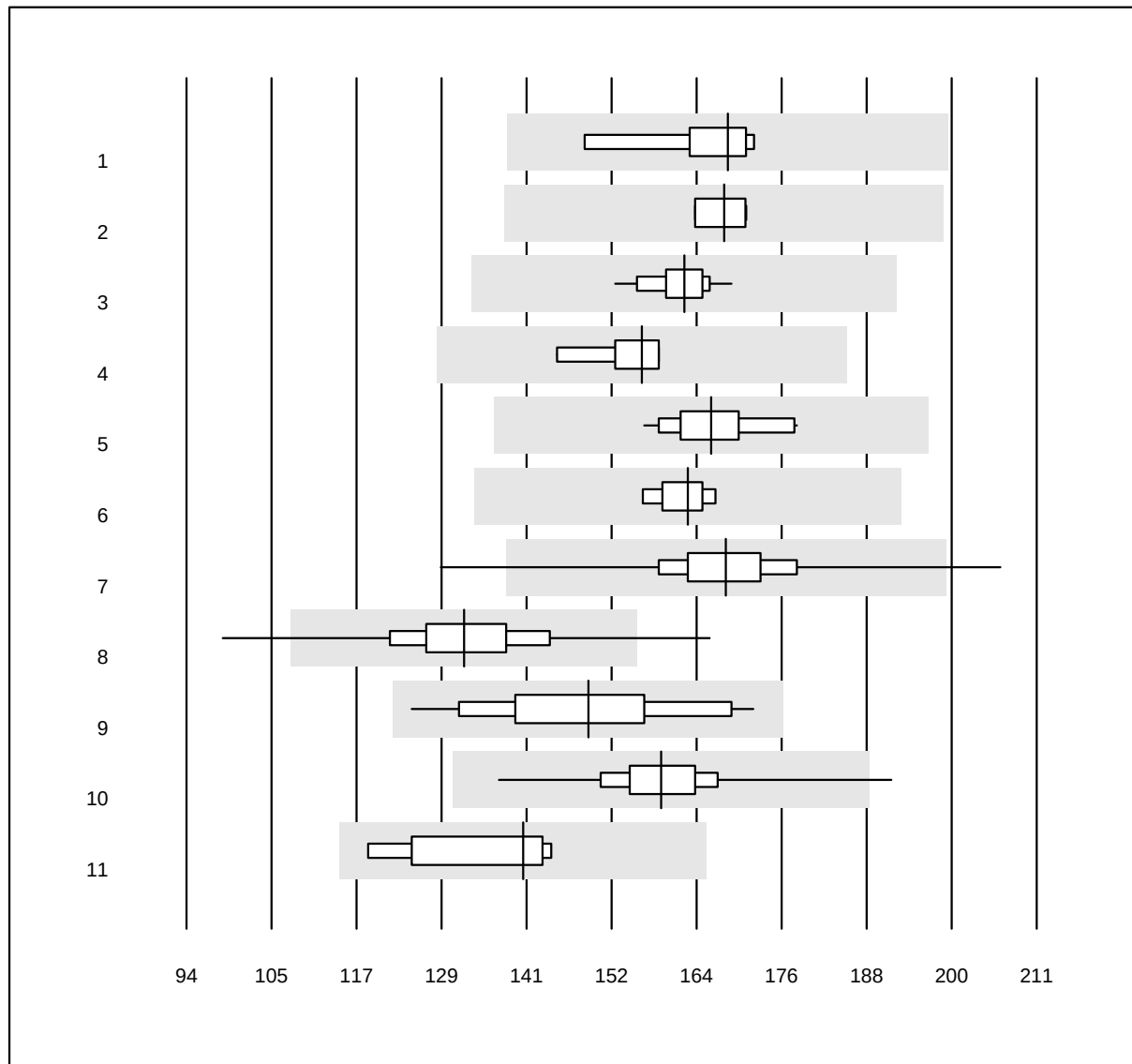
QUALAB Toleranz: 6%
(< 3.3: +/- 0.2 mmol/l)

Potassium (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 Spotchem EL-SE 1520	61	95.1	1.6	3.3	3.15	2.9	e
13 i-Smart 30 PRO	17	100.0	0.0	0.0	3.30	1.2	e

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

Creatine kinase 1



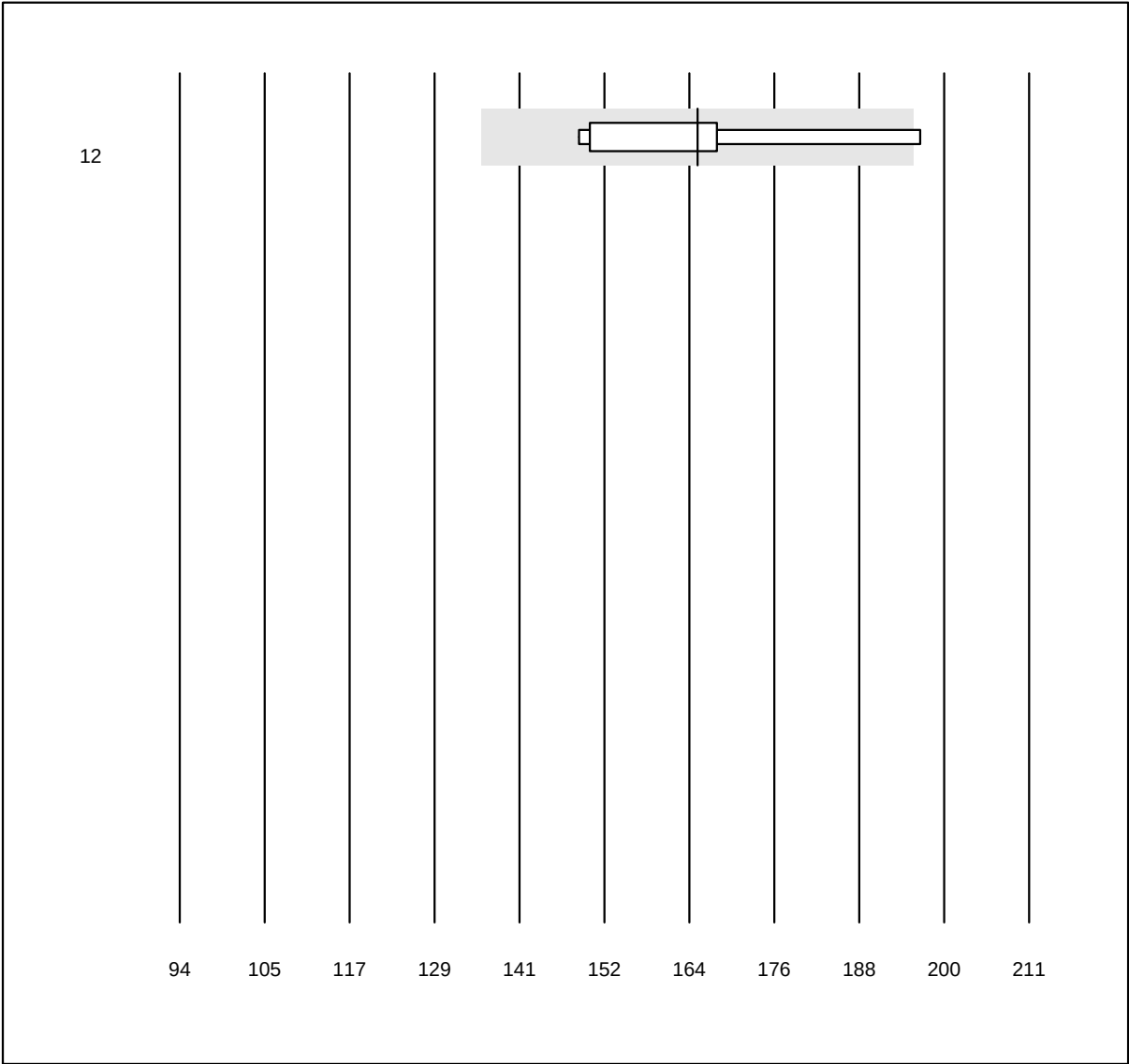
QUALAB Toleranz: 18%

Creatine kinase (U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	169	4.4	e
2 Beckman	6	100.0	0.0	0.0	168	1.9	e
3 Roche	44	100.0	0.0	0.0	163	2.3	e
4 Siemens	9	100.0	0.0	0.0	157	3.0	e
5 Autolyser	19	100.0	0.0	0.0	166	3.4	e
6 Selectra Pro	5	100.0	0.0	0.0	163	1.9	e
7 Fuji Dri-Chem	682	98.5	0.7	0.7	168	5.1	e
8 Spotchem D-Concept	323	98.8	1.2	0.0	132	6.7	e
9 Spotchem SP-4430	35	97.1	0.0	2.9	149	8.5	e
10 Piccolo	23	91.3	4.3	4.3	159	6.0	e
11 Vitros	7	100.0	0.0	0.0	140	7.1	e*

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

Creatine kinase 2



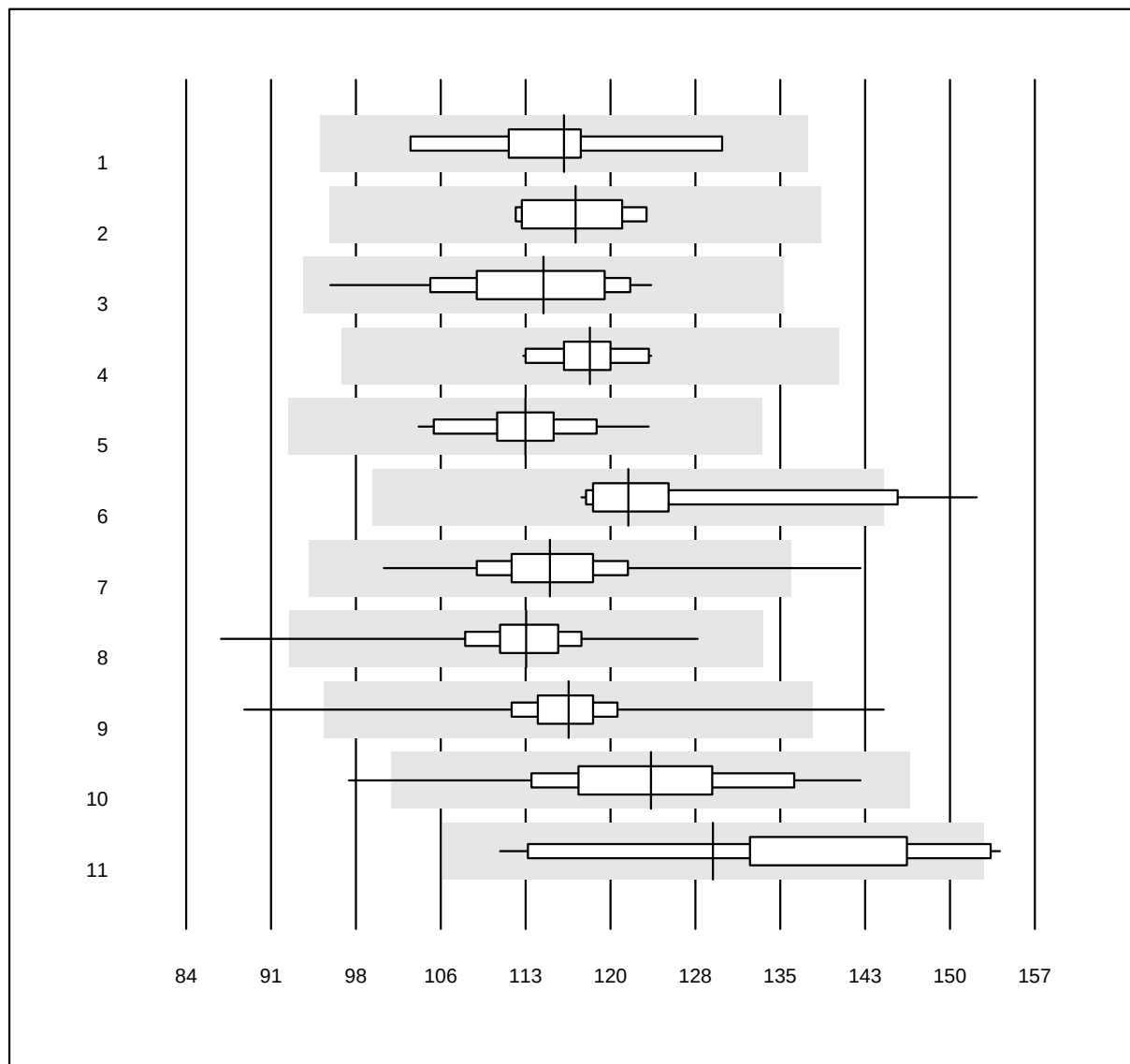
QUALAB Toleranz: 18%

Creatine kinase (U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 Seamaty	9	88.9	11.1	0.0	165	8.8	e*

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

Creatinine 1



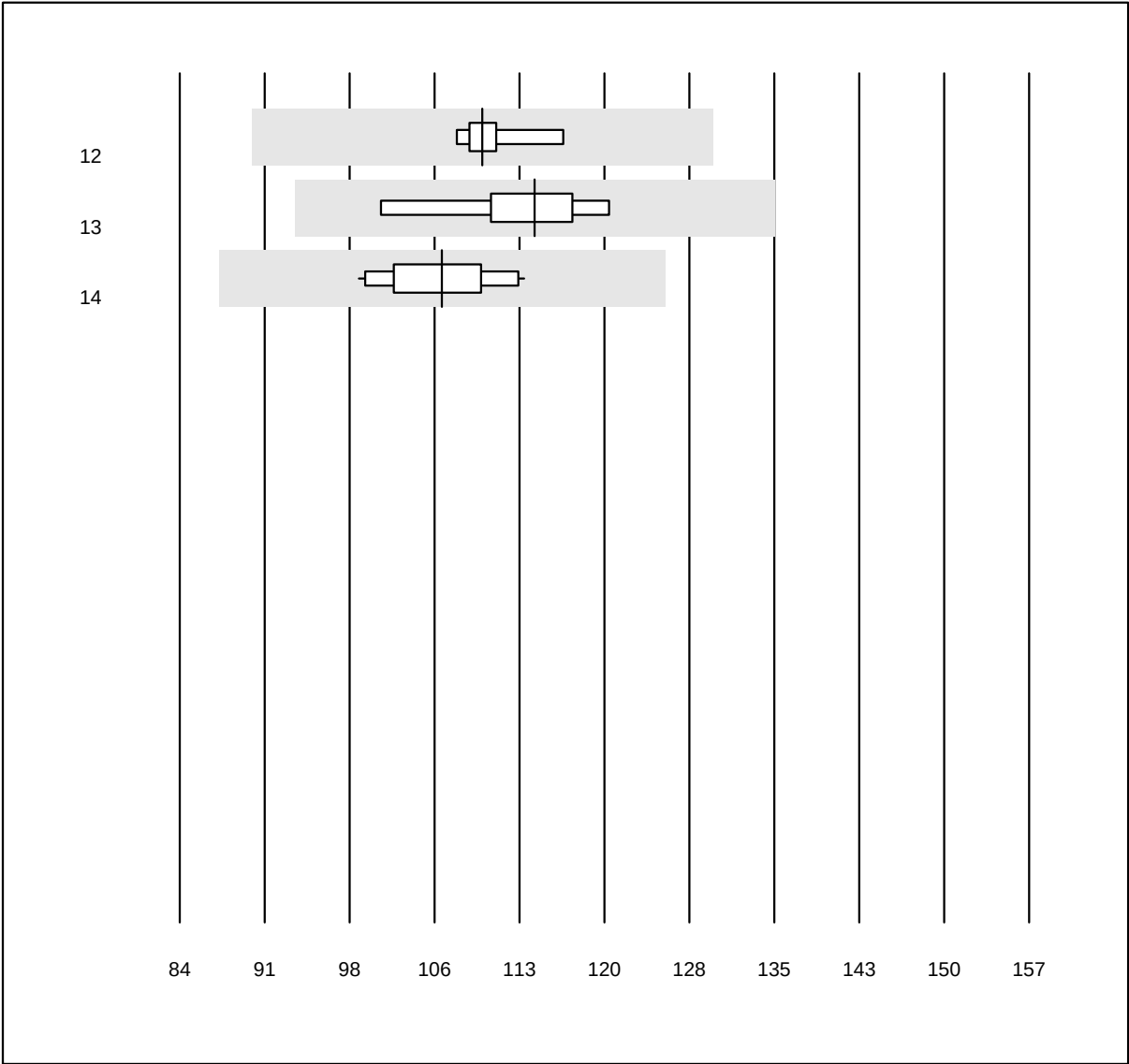
QUALAB Toleranz: 18%

Creatinine (µmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	117	6.1	e
2 Beckman	6	100.0	0.0	0.0	118	3.8	e
3 Roche	47	100.0	0.0	0.0	115	5.8	e
4 Siemens	10	100.0	0.0	0.0	119	2.8	e
5 Autolyser	23	95.7	0.0	4.3	113	4.2	e
6 Selectra Pro	14	85.7	7.1	7.1	122	7.5	e
7 Fuji Dri-Chem	1196	99.1	0.4	0.5	115	4.7	e
8 Spotchem D-Concept	670	99.0	0.1	0.9	113	3.7	e
9 Spotchem SP-4430	128	98.4	1.6	0.0	117	4.2	e
10 Piccolo	68	94.1	2.9	2.9	124	7.5	e
11 EPOC	21	71.4	9.5	19.0	129	8.6	e

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

Creatinine 2



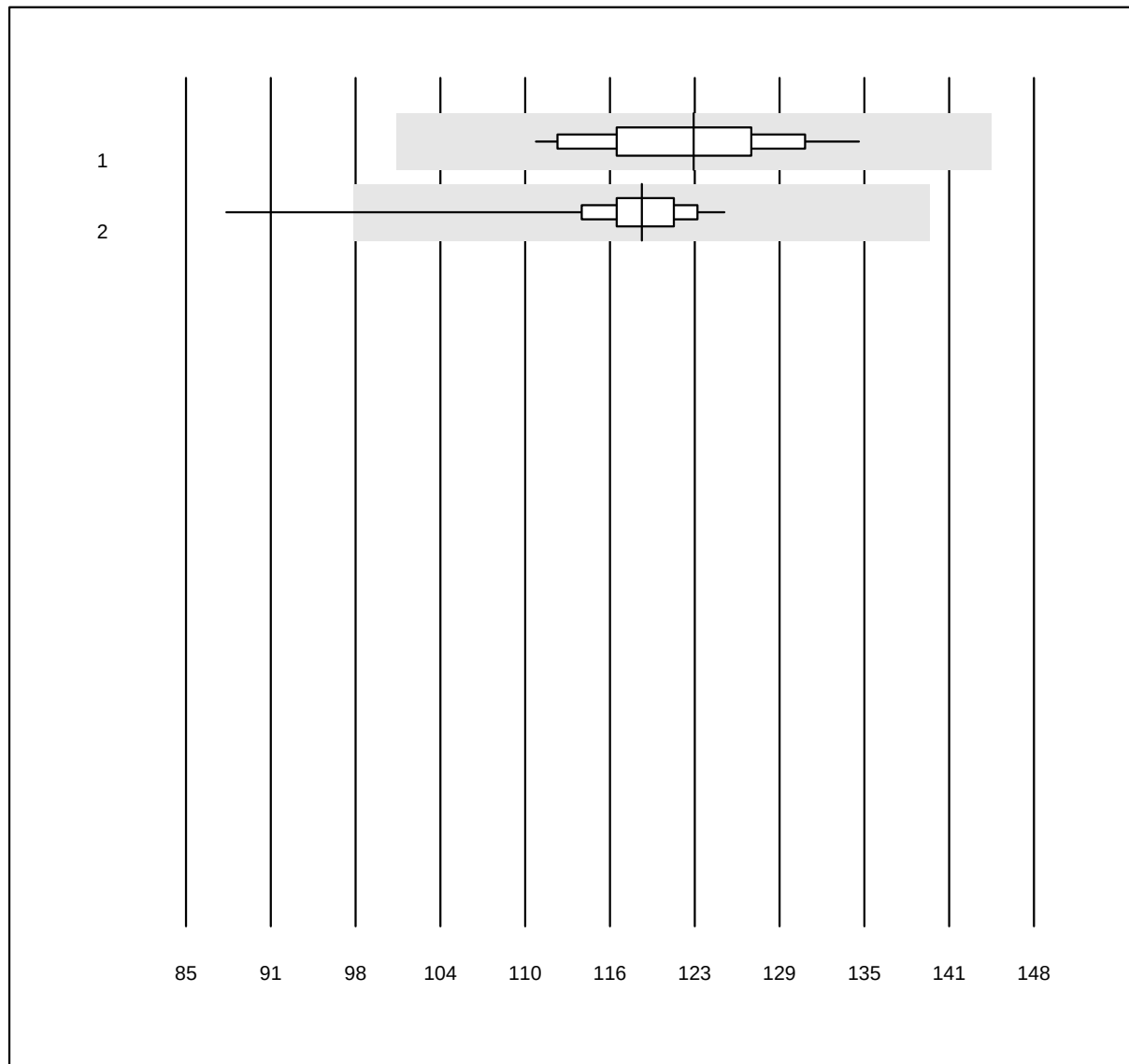
QUALAB Toleranz: 18%

Creatinine (µmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 Vitros	7	100.0	0.0	0.0	110	2.3	e
13 Skyla	6	100.0	0.0	0.0	115	4.8	e
14 Seamaty	11	100.0	0.0	0.0	107	4.2	e

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

Creatinine E

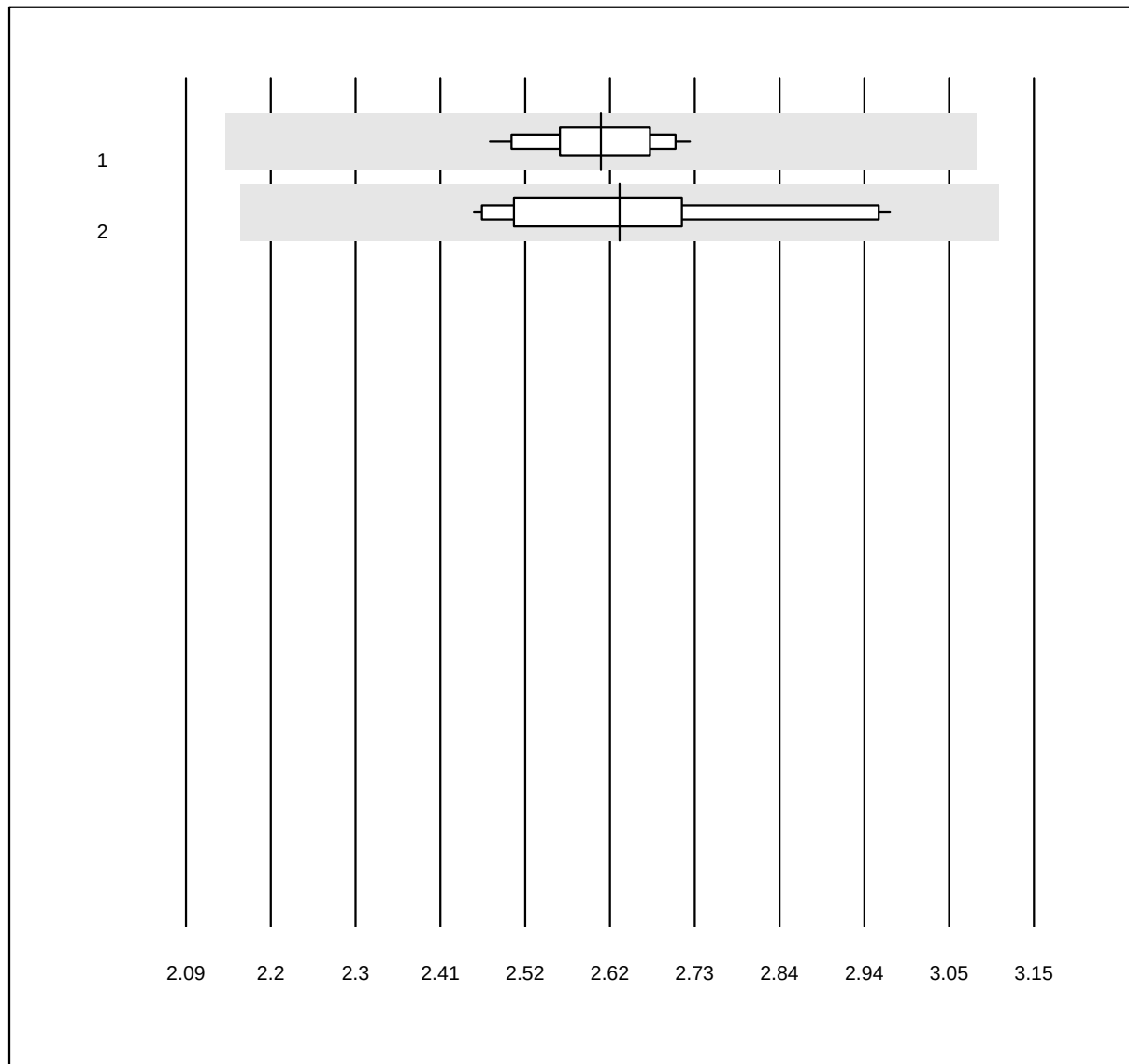


QUALAB Toleranz: 18%

Creatinine E (μmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ABL700/800	18	94.4	0.0	5.6	123	5.3	e
2 iStat Chem8	47	95.7	2.1	2.1	119	4.6	e

Lactate



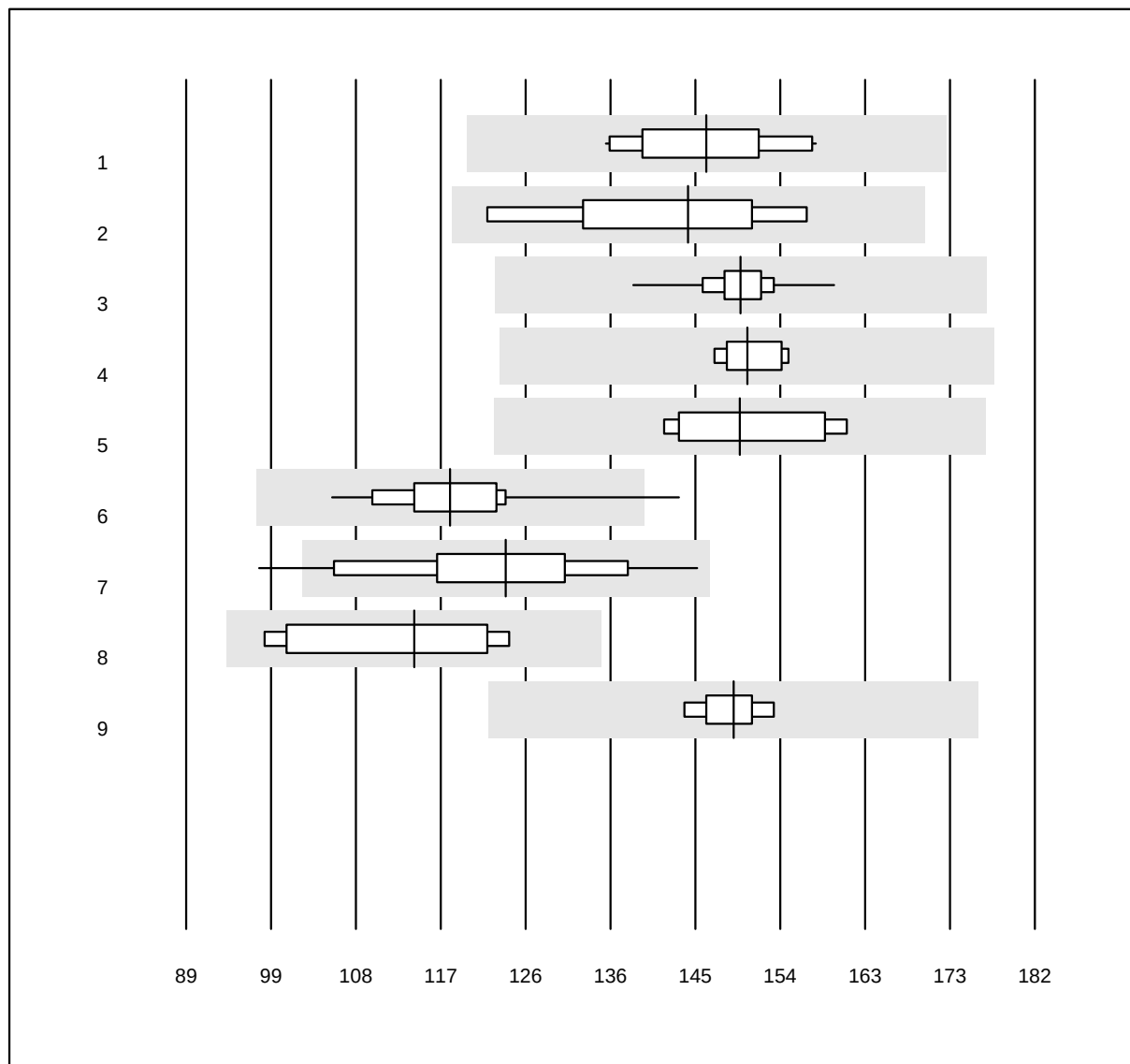
QUALAB Toleranz: 18%

Lactate (mmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	18	100.0	0.0	0.0	2.61	2.8	e
2	Other methods	11	100.0	0.0	0.0	2.63	6.2	e

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

LDH



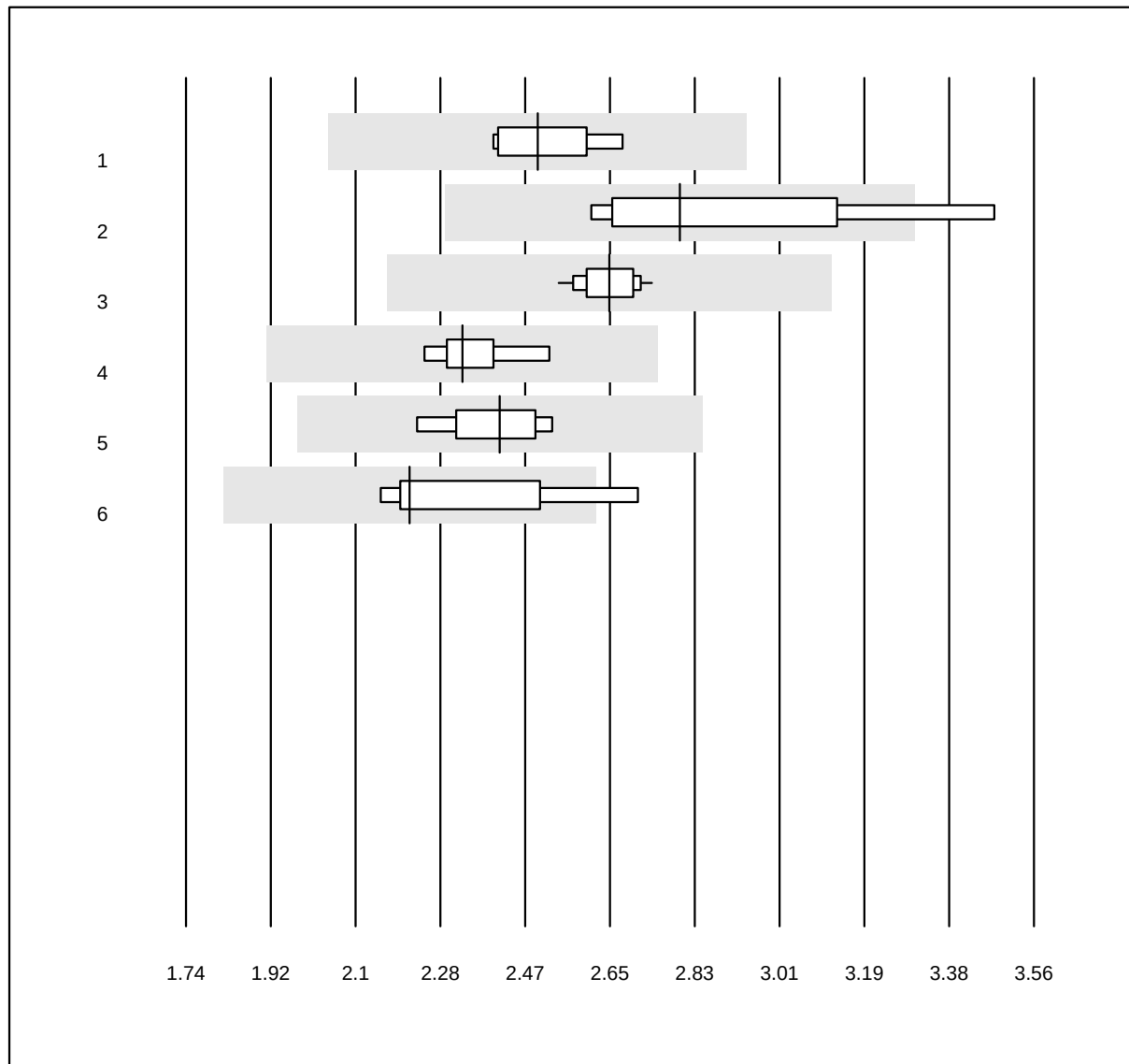
QUALAB Toleranz: 18%

LDH (U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	10	100.0	0.0	0.0	146	5.1	e
2 Beckman	4	100.0	0.0	0.0	144	7.0	e*
3 Roche	45	100.0	0.0	0.0	150	2.4	e
4 Siemens	8	100.0	0.0	0.0	151	2.0	e
5 Autolyser	7	100.0	0.0	0.0	150	5.1	e
6 Fuji Dri-Chem	87	93.1	2.3	4.6	118	5.6	e
7 Spotchem D-Concept	25	92.0	8.0	0.0	124	9.3	e
8 Spotchem SP-4430	8	87.5	0.0	12.5	114	9.4	e*
9 Vitros	7	100.0	0.0	0.0	149	2.1	e

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

Cholesterol LDL

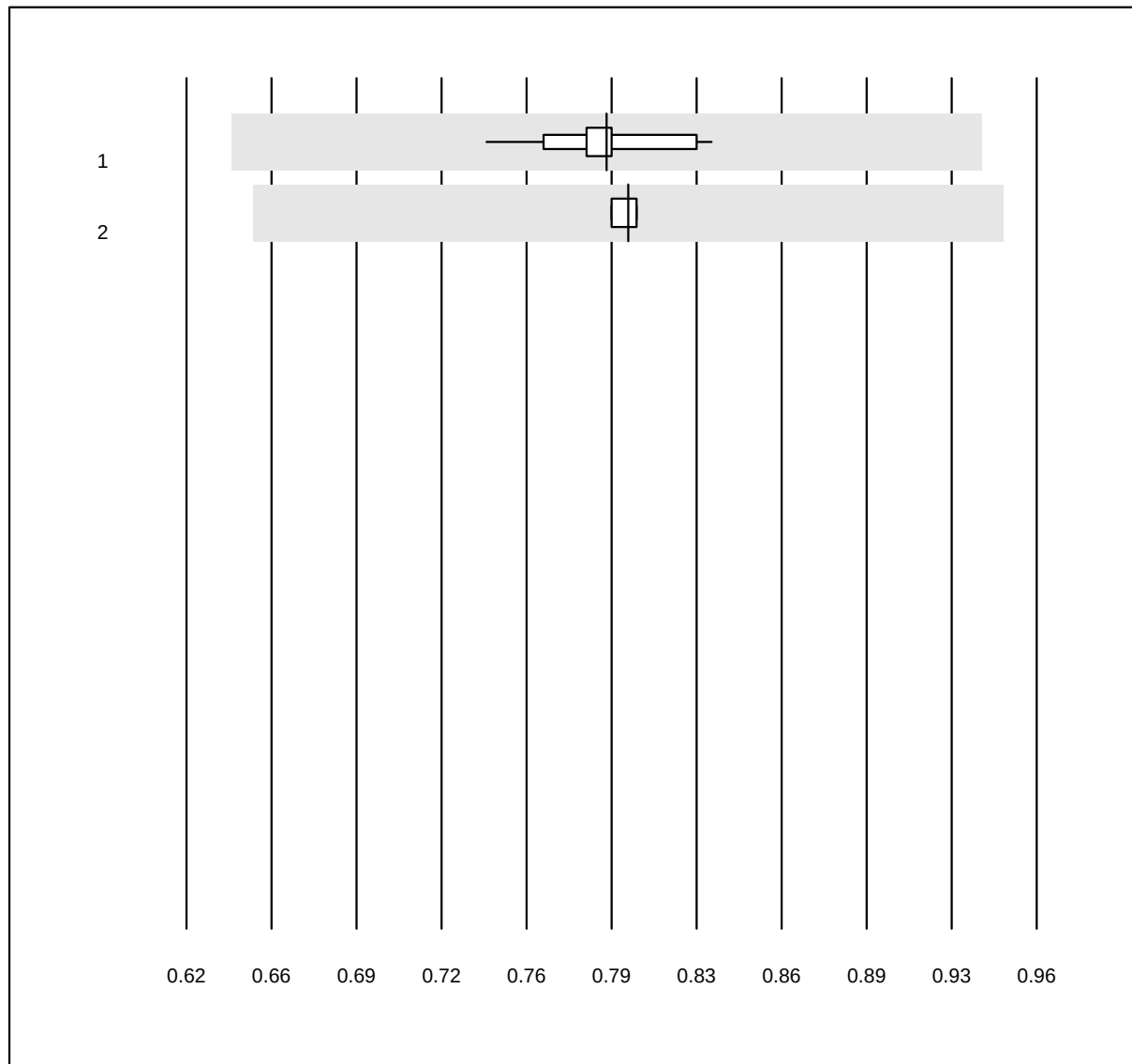


QUALAB Toleranz: 18%

Cholesterol LDL (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	2.5	4.0	e
2 Beckman	4	100.0	0.0	0.0	2.8	9.7	a*
3 Roche	26	100.0	0.0	0.0	2.6	2.2	e
4 Siemens	7	100.0	0.0	0.0	2.3	3.6	e
5 Autolyser	7	100.0	0.0	0.0	2.4	3.9	e
6 Selectra	6	83.3	16.7	0.0	2.2	8.2	e*

Lithium



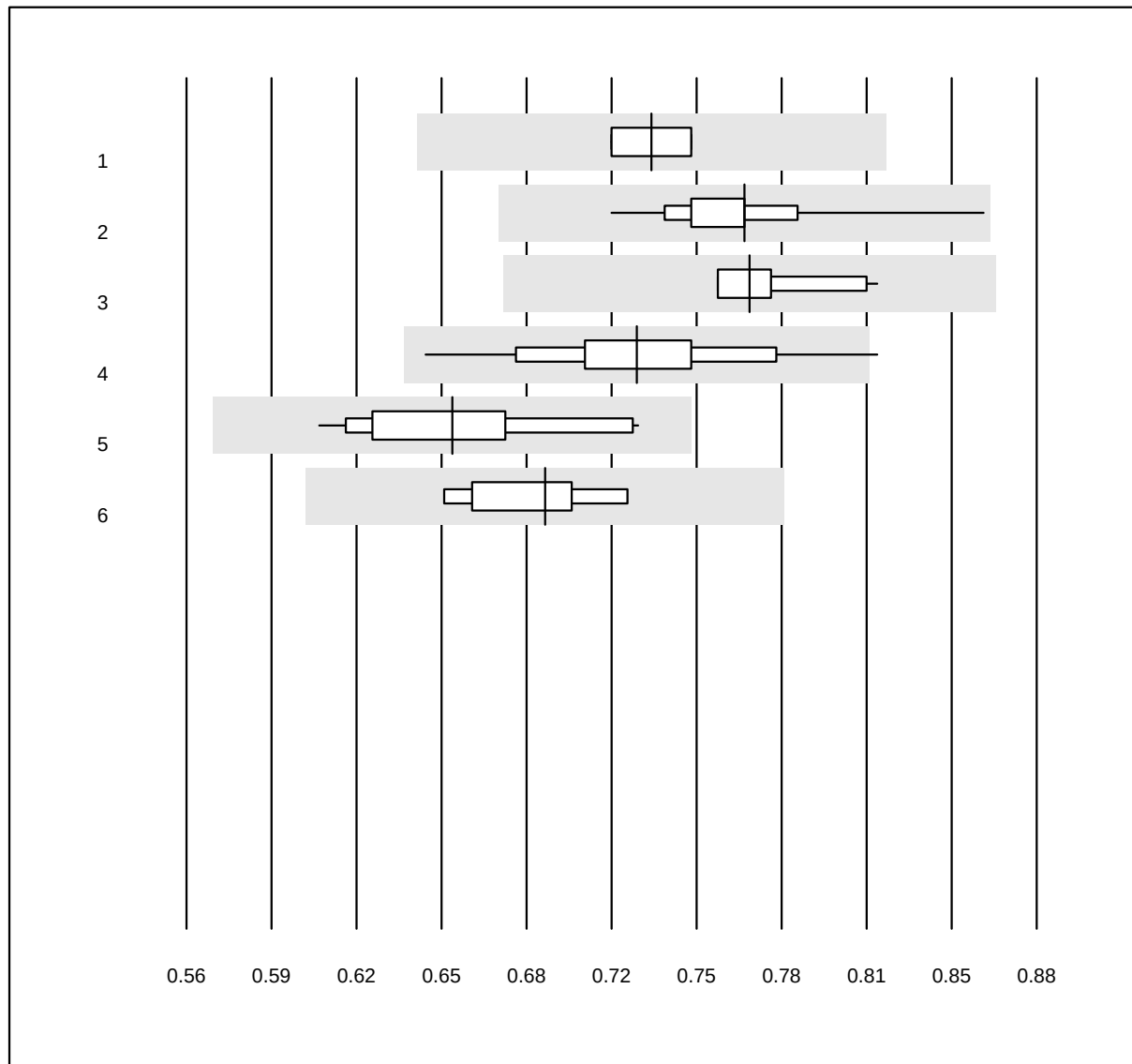
QUALAB Toleranz: 15%
(< 1.0: +/- 0.15 mmol/l)

Lithium (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	15	100.0	0.0	0.0	0.79	2.5	e
2 Other methods	5	100.0	0.0	0.0	0.80	0.7	e

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

Magnesium



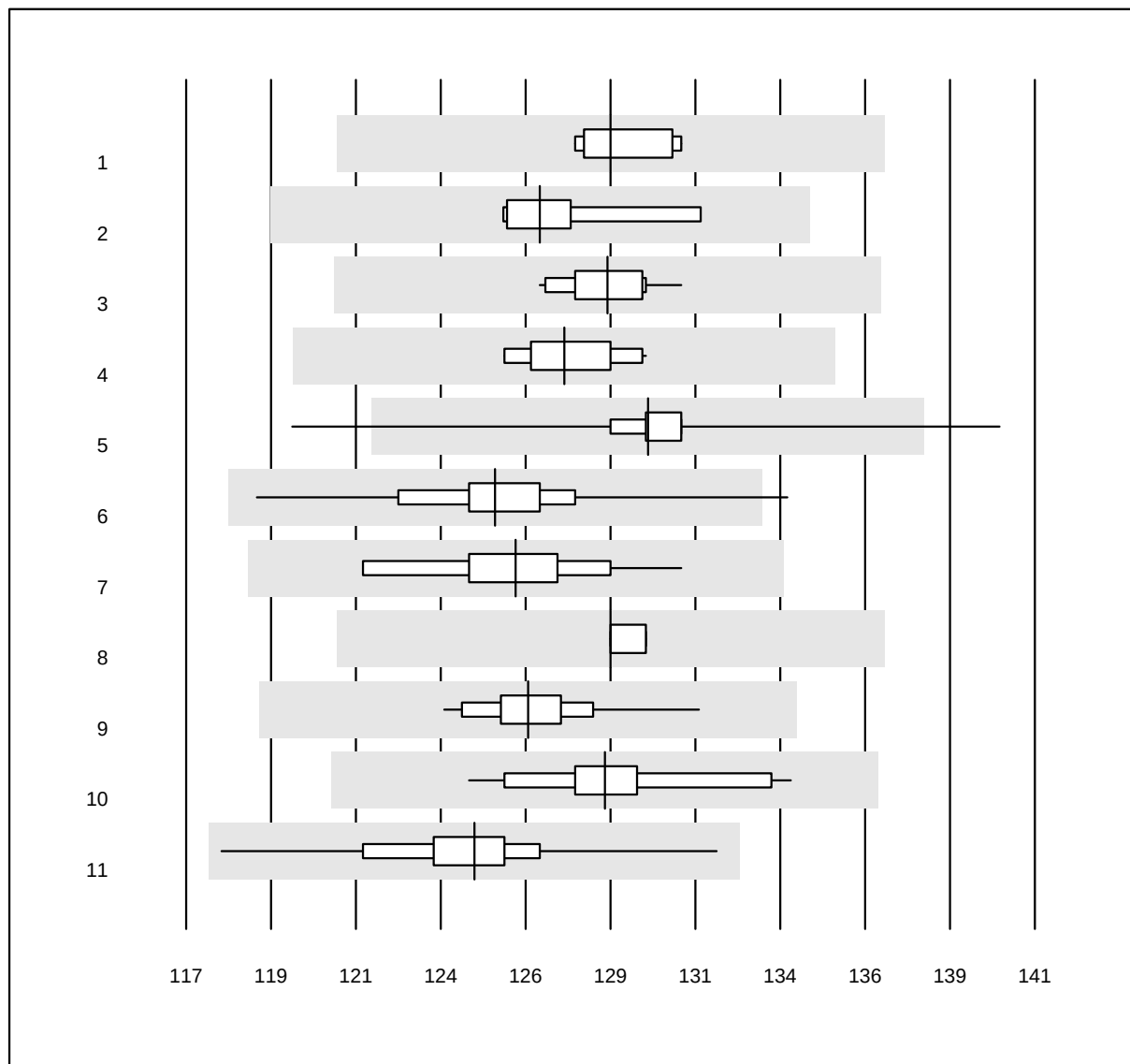
QUALAB Toleranz: 12%

Magnesium (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	0.73	1.9	e
2 Roche	40	100.0	0.0	0.0	0.77	3.0	a
3 Siemens	10	100.0	0.0	0.0	0.77	2.3	e
4 Fuji Dri-Chem	44	93.2	4.5	2.3	0.73	4.8	e
5 Spotchem D-Concept	22	95.5	0.0	4.5	0.66	5.6	e
6 Vitros	6	100.0	0.0	0.0	0.69	3.2	e

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

Sodium 1



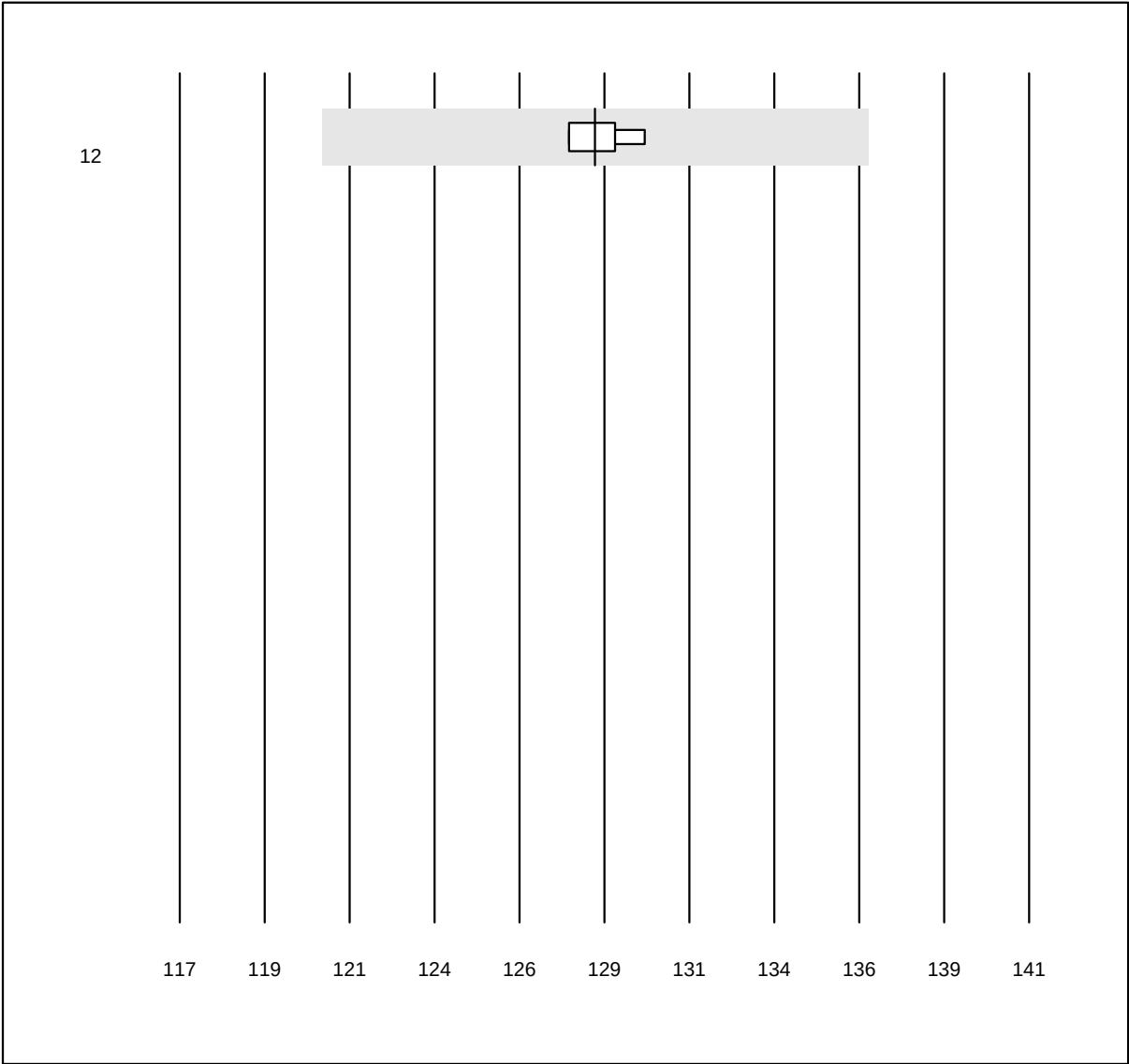
QUALAB Toleranz: 6%

Sodium (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	129	0.9	e
2 Beckman	6	100.0	0.0	0.0	127	1.3	e
3 Roche	47	100.0	0.0	0.0	129	0.8	e
4 Siemens	10	100.0	0.0	0.0	128	1.0	e
5 Fuji Dri-Chem	1055	99.0	0.4	0.7	130	1.1	e
6 Spotchem D-Concept	447	99.3	0.2	0.4	126	1.5	e
7 Piccolo	37	100.0	0.0	0.0	126	1.8	e
8 iStat Chem8	10	100.0	0.0	0.0	129	0.4	e
9 Exias	110	98.2	0.0	1.8	127	1.2	e
10 i-Smart 30 PRO	14	100.0	0.0	0.0	129	1.9	e
11 Spotchem EL-SE 1520	49	95.9	0.0	4.1	125	1.9	e

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

Sodium 2



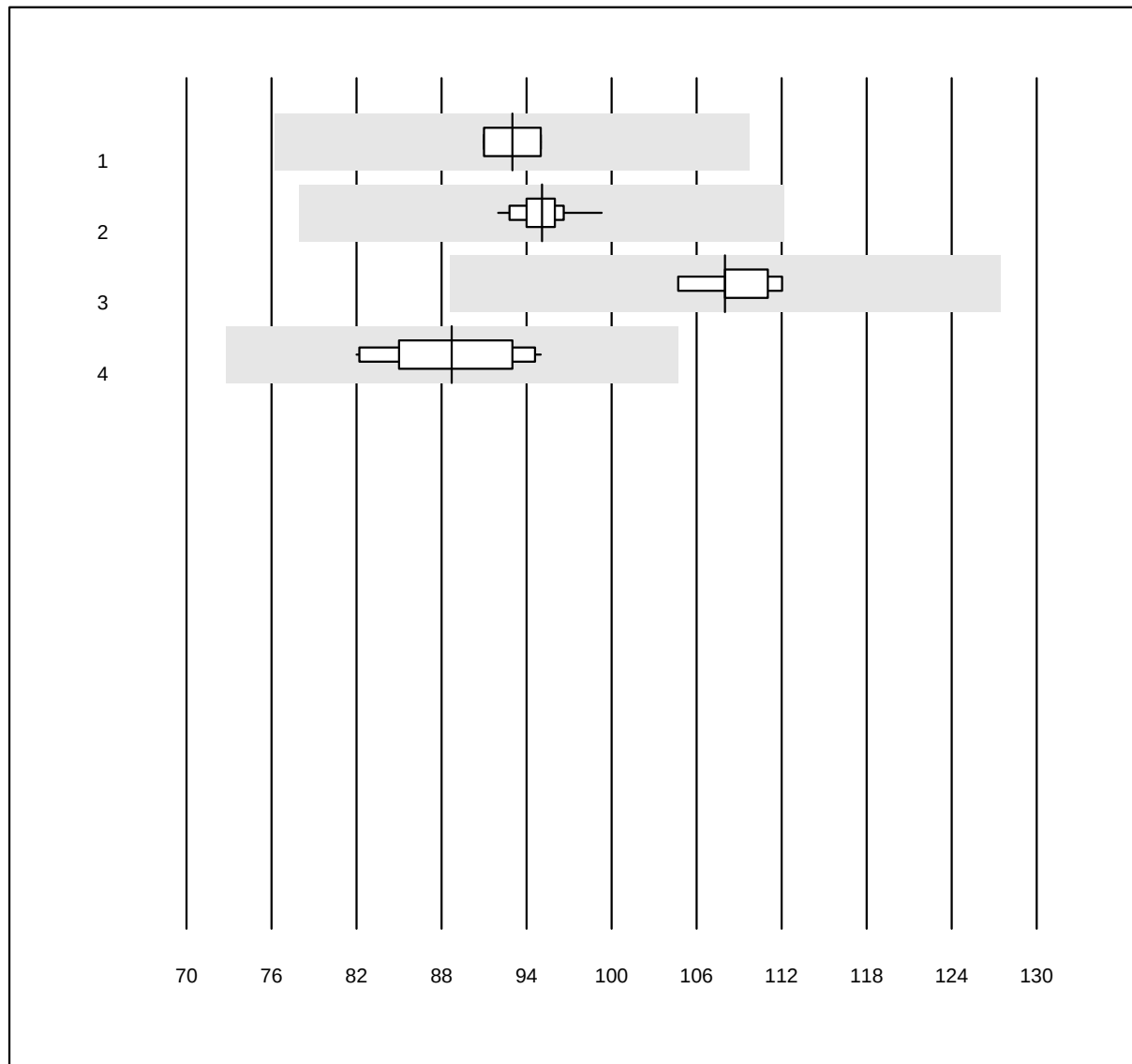
QUALAB Toleranz: 6%

Sodium (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 Vitros	7	100.0	0.0	0.0	129	0.6	e

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

Pancreatic amylase



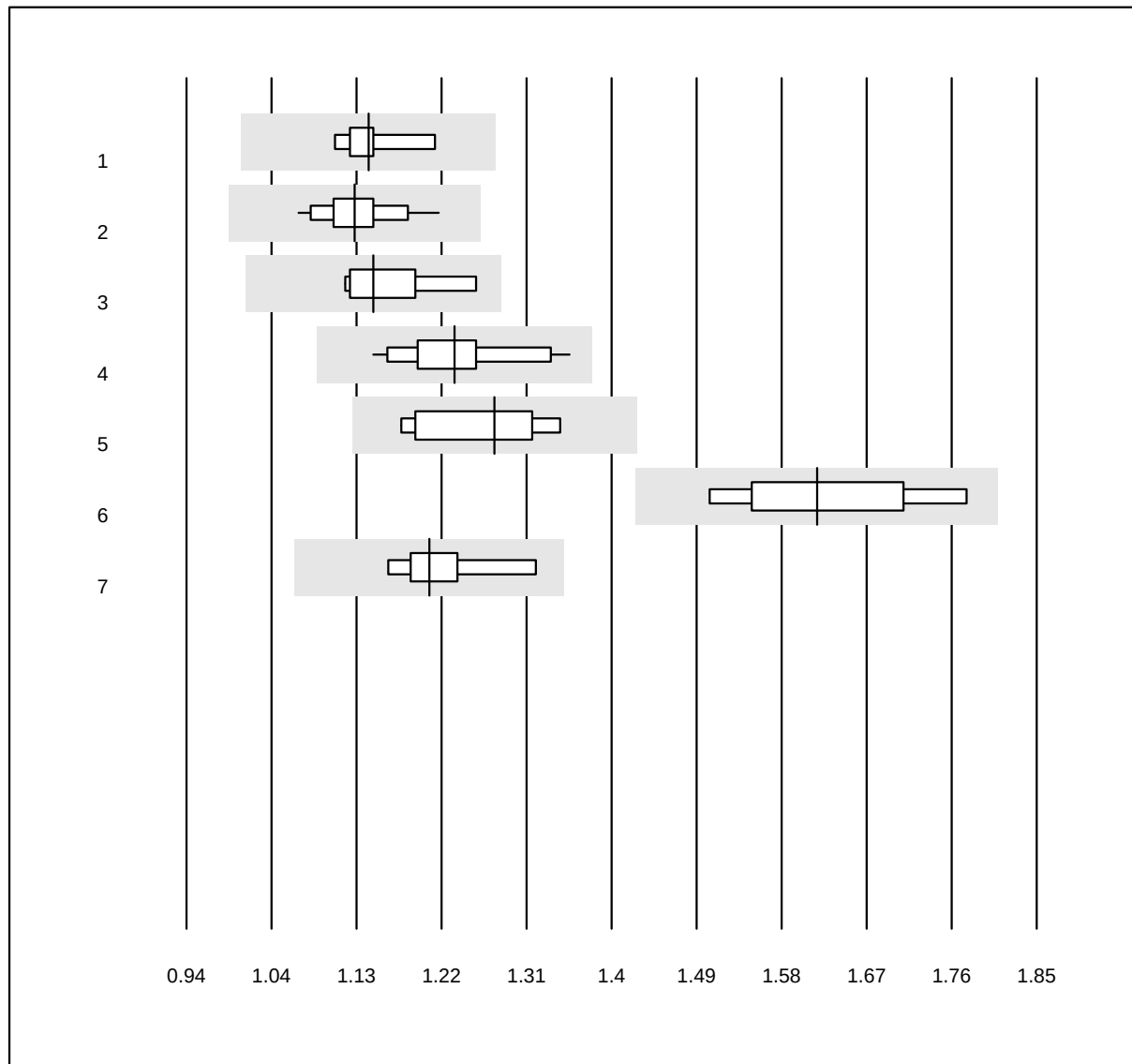
QUALAB Toleranz: 18%

Pancreatic amylase (U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	6	100.0	0.0	0.0	93	2.0	e
2 Roche	27	100.0	0.0	0.0	95	1.6	e
3 Siemens	8	100.0	0.0	0.0	108	2.1	e
4 Autolyser	11	100.0	0.0	0.0	89	4.9	e

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

Phosphate



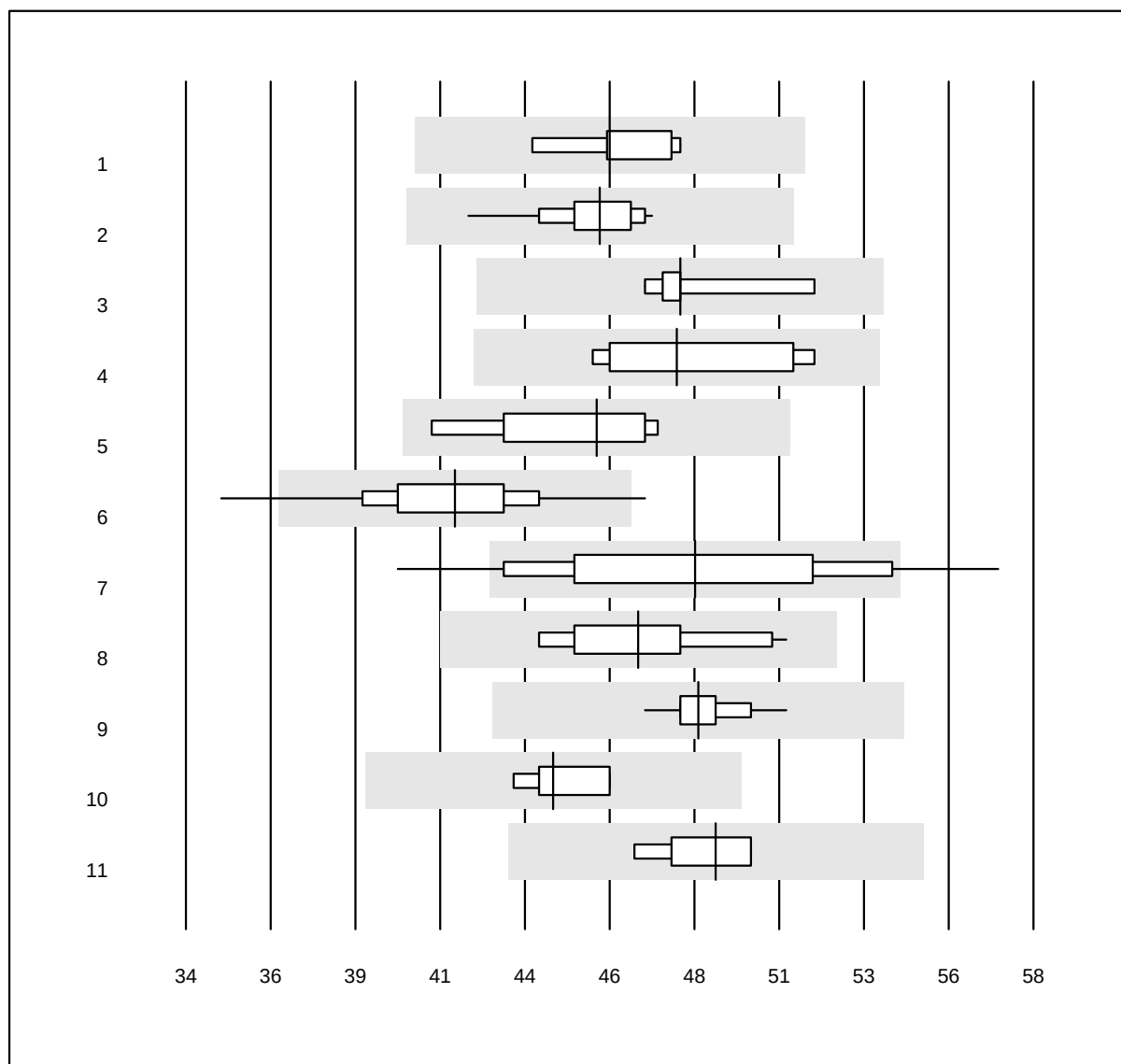
QUALAB Toleranz: 12%

Phosphate (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	1.1	2.6	e
2 Roche	42	100.0	0.0	0.0	1.1	3.2	e
3 Siemens	9	100.0	0.0	0.0	1.1	4.0	e
4 Fuji Dri-Chem	56	96.4	0.0	3.6	1.2	4.8	e
5 Spotchem D-Concept	10	90.0	0.0	10.0	1.3	5.0	e*
6 Piccolo	4	100.0	0.0	0.0	1.6	5.2	e*
7 Vitros	7	100.0	0.0	0.0	1.2	3.8	e

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

Protein total 1



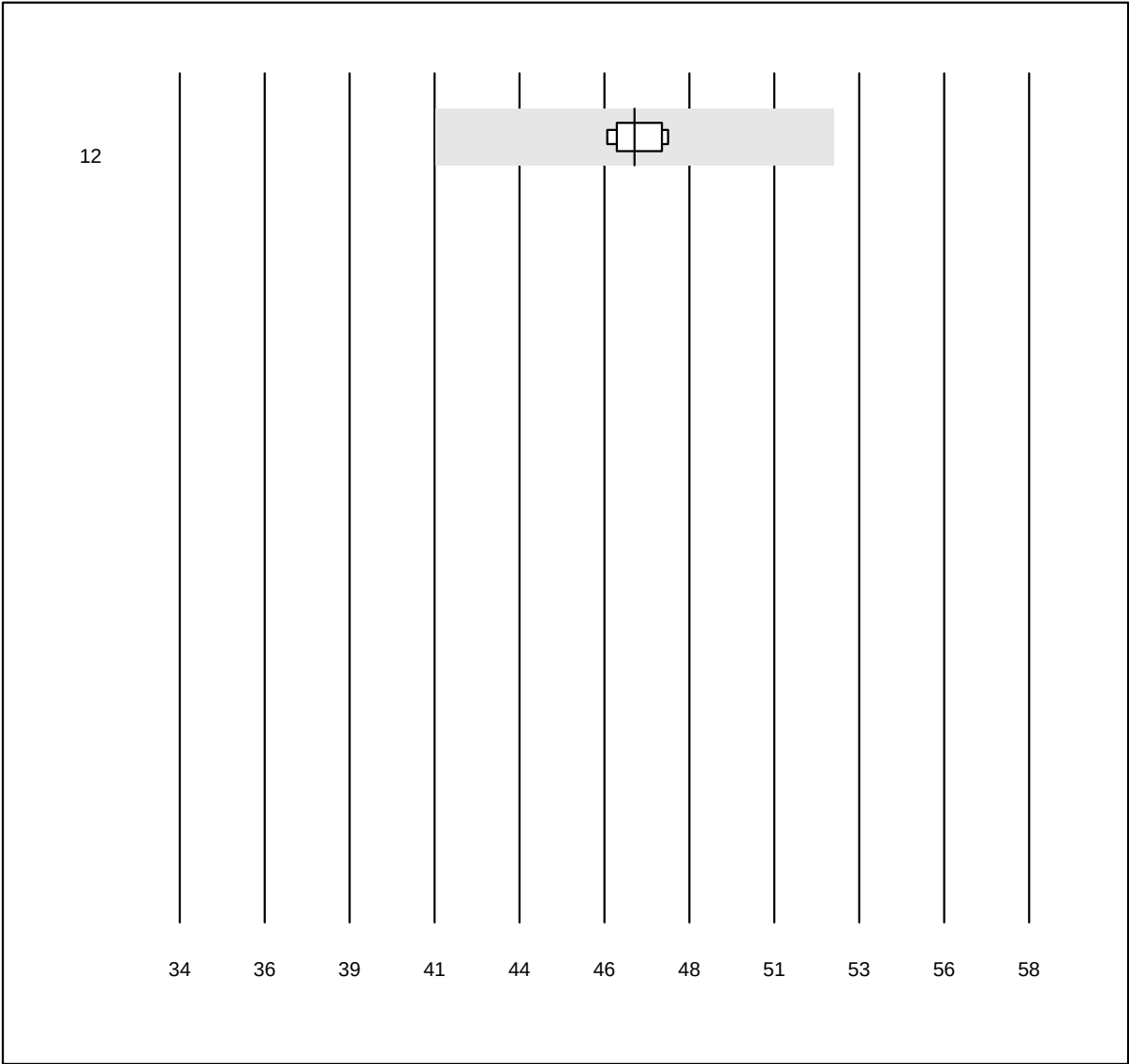
QUALAB Toleranz: 12%

Protein total (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	46.0	2.8	e
2 Roche	43	100.0	0.0	0.0	45.7	2.5	e
3 Siemens	10	90.0	0.0	10.0	48.0	2.9	e
4 Autolyser	7	100.0	0.0	0.0	47.9	5.2	e*
5 Selectra Pro	7	100.0	0.0	0.0	45.6	4.9	e*
6 Fuji Dri-Chem	183	98.4	1.1	0.5	41.6	4.5	e
7 Spotchem D-Concept	212	84.0	14.2	1.9	48.4	8.1	e
8 Spotchem SP-4430	23	100.0	0.0	0.0	46.8	4.6	e
9 Piccolo	50	100.0	0.0	0.0	48.5	1.8	e
10 Vitros	7	100.0	0.0	0.0	44.4	2.3	e
11 Skyla	6	100.0	0.0	0.0	49.0	2.7	e

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

Protein total 2



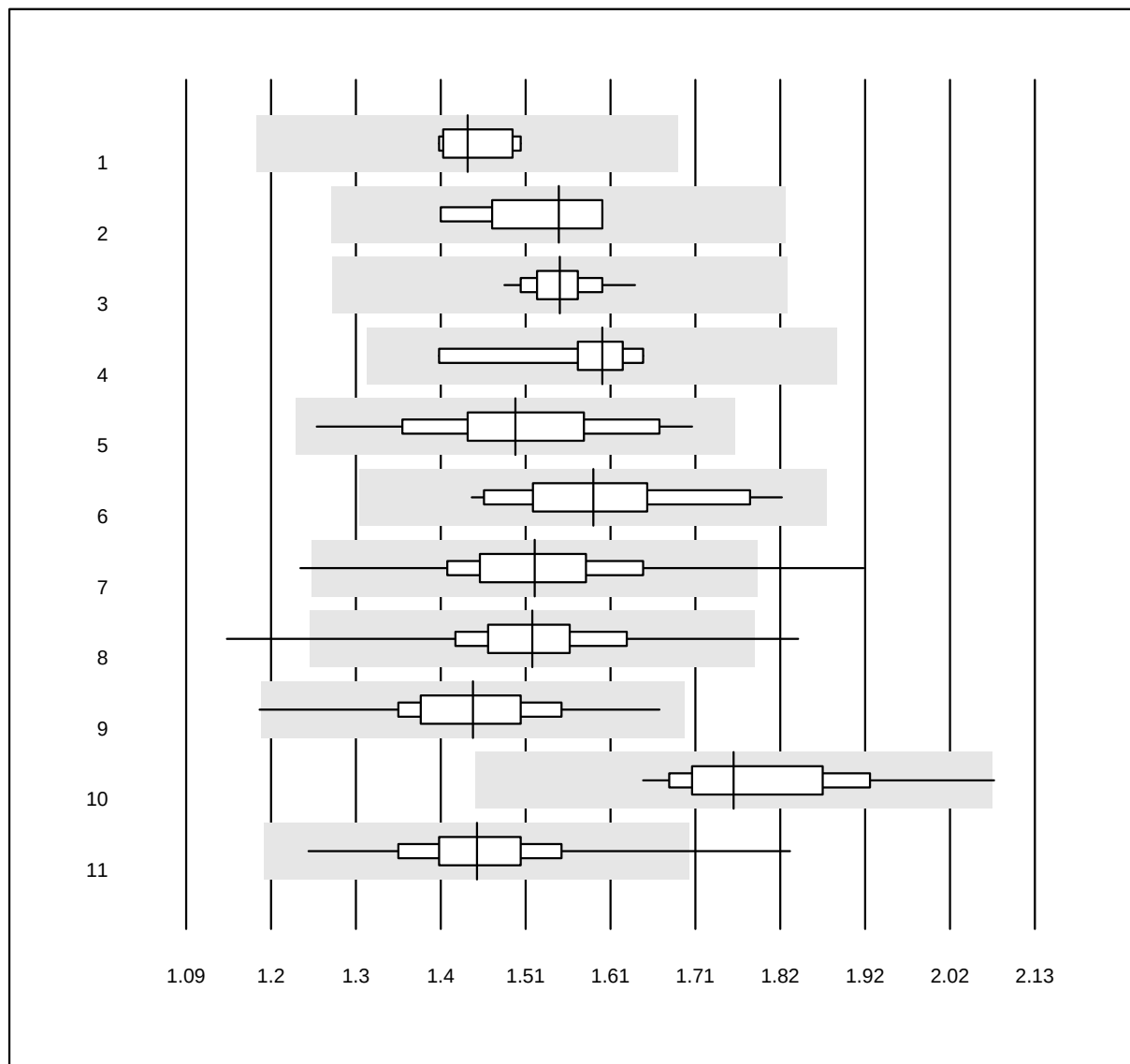
QUALAB Toleranz: 12%

Protein total (g/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12	Seamaty	8	100.0	0.0	0.0	46.9	1.4	e

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

Triglycerides 1



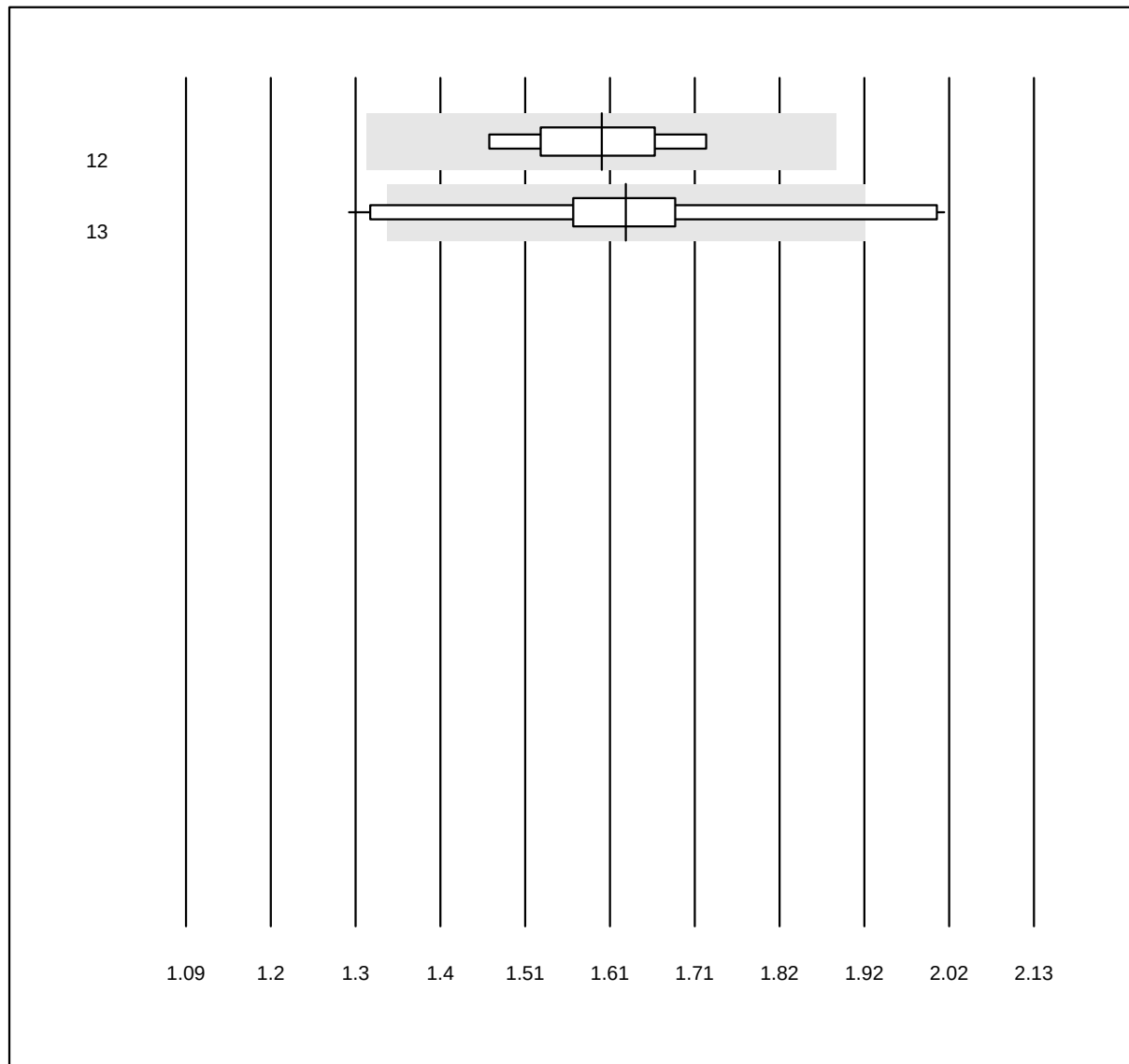
QUALAB Toleranz: 18%

Triglycerides (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	1.44	2.8	e
2 Beckman	5	100.0	0.0	0.0	1.55	4.7	e
3 Roche	39	100.0	0.0	0.0	1.55	2.6	e
4 Siemens	9	100.0	0.0	0.0	1.60	4.6	e
5 Autolyser	24	100.0	0.0	0.0	1.49	7.3	e
6 Selectra Pro	12	100.0	0.0	0.0	1.59	6.3	e
7 Fuji Dri-Chem	994	97.0	1.9	1.1	1.52	6.3	e
8 Spotchem D-Concept	490	97.1	0.8	2.0	1.51	5.6	e
9 Spotchem SP-4430	70	98.6	1.4	0.0	1.44	5.9	e
10 Piccolo	18	88.9	5.6	5.6	1.76	6.0	e
11 Cholestech LDX	199	98.5	1.5	0.0	1.45	5.9	e

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

Triglycerides 2



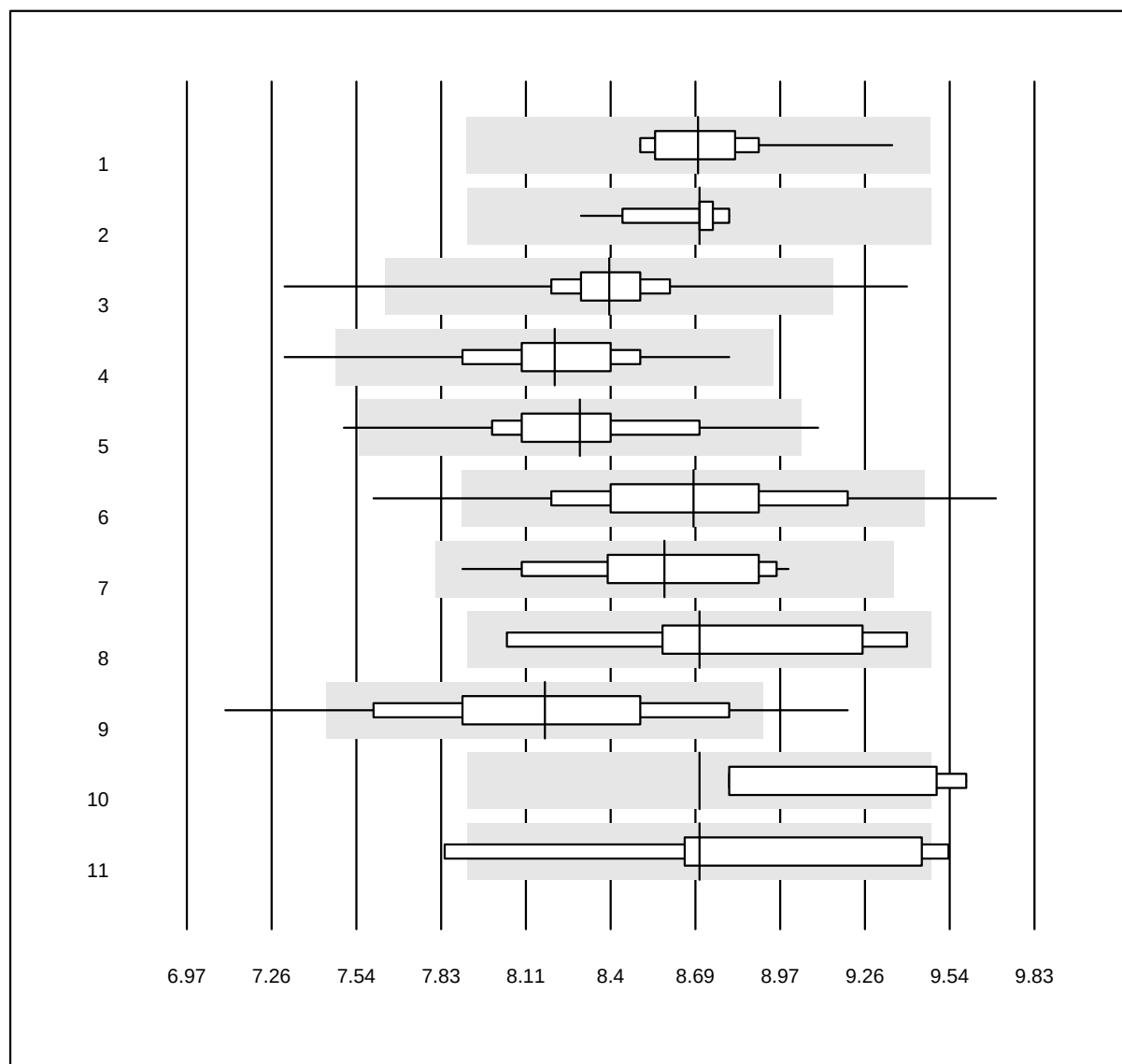
QUALAB Toleranz: 18%

Triglycerides (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 Vitros	5	100.0	0.0	0.0	1.60	4.9	e*
13 Seamaty	11	63.6	27.3	9.1	1.63	12.5	e*

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

HbA1c sample A 1



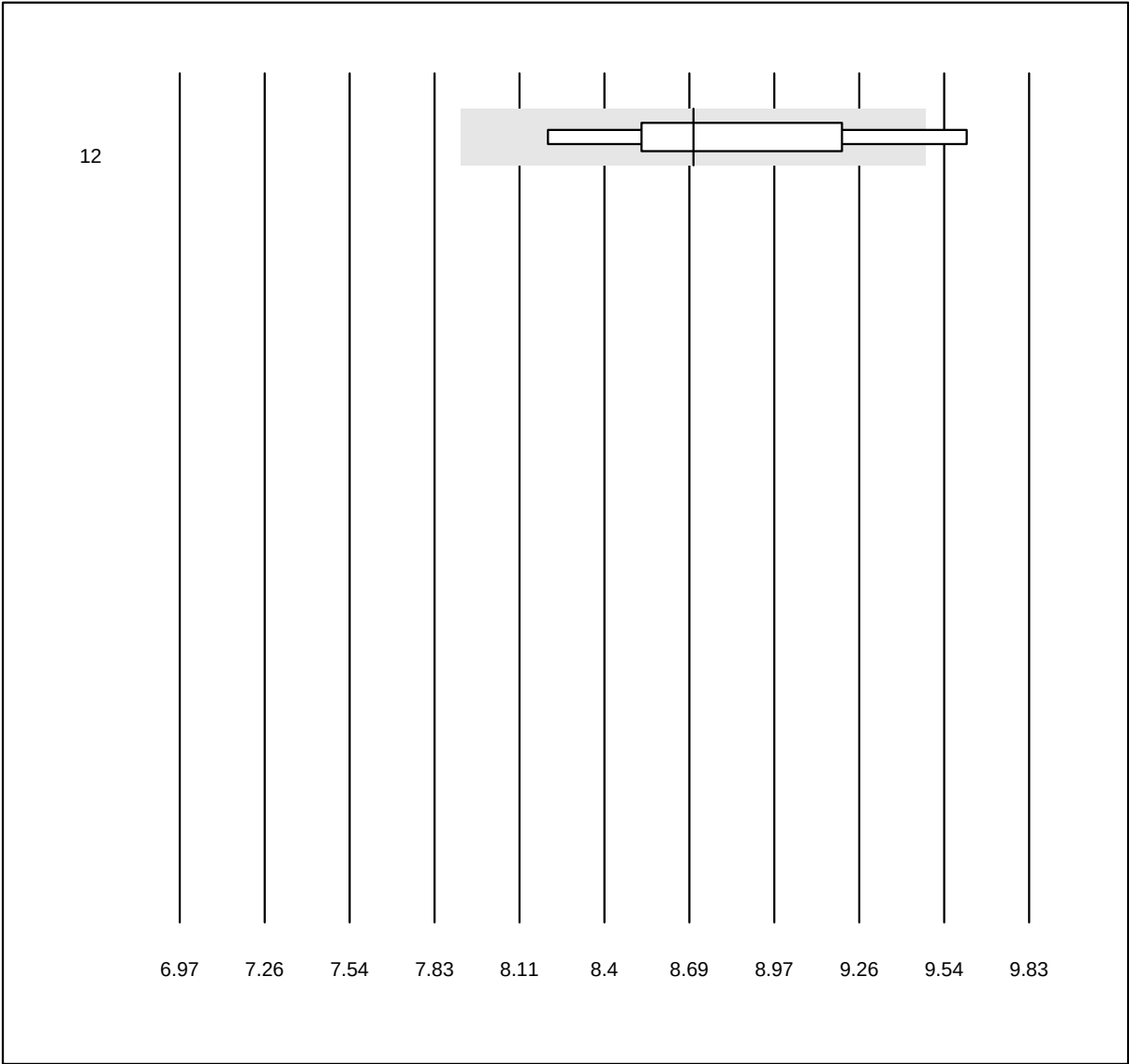
QUALAB Toleranz: 9%

HbA1c sample A (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	26	96.2	0.0	3.8	8.7	2.2	e
2 HPLC	16	100.0	0.0	0.0	8.7	1.4	e
3 Afinion	624	98.4	0.5	1.1	8.4	2.2	e
4 Cobas b101/Click	258	98.4	0.8	0.8	8.2	2.9	e
5 DCA Vantage	156	96.2	1.3	2.6	8.3	3.0	e
6 AFIAS	162	91.4	5.6	3.1	8.7	4.6	e
7 Celltac chemi	43	100.0	0.0	0.0	8.6	3.9	e
8 LumiraDx	4	100.0	0.0	0.0	8.7	4.4	c*
9 A1c Now	202	84.7	8.9	6.4	8.2	5.5	e
10 Quick Read go	9	77.8	22.2	0.0	8.7	3.7	c*
11 Eurolyser	6	66.7	16.7	16.7	8.7	5.8	c*

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

HbA1c sample A 2



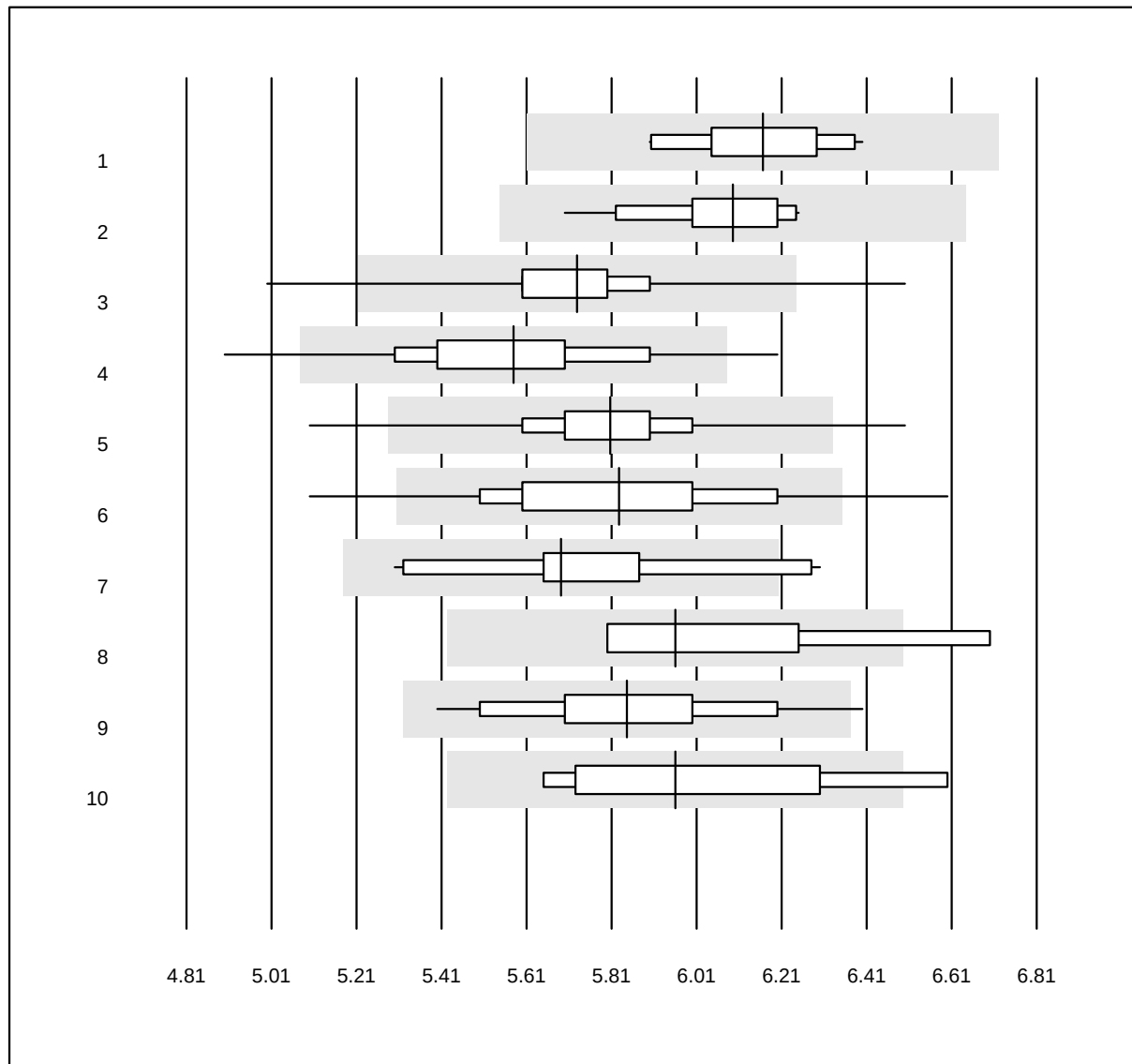
QUALAB Toleranz: 9%

HbA1c sample A (%)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12	Others	6	83.3	16.7	0.0	8.7	4.9	c*

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

HbA1c sample B

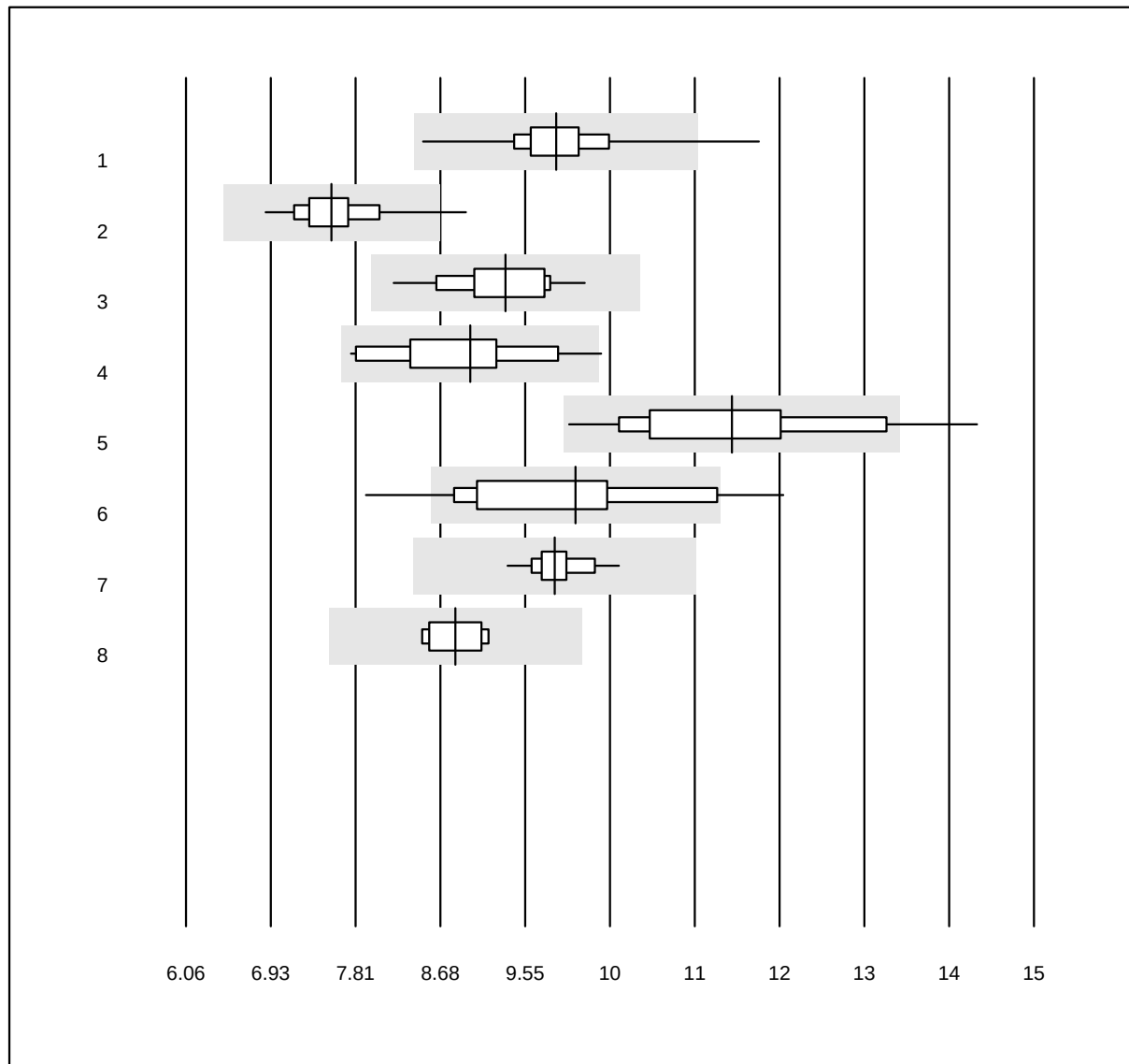


QUALAB Toleranz: 9%

HbA1c sample B (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	23	95.7	0.0	4.3	6.2	2.5	e
2 HPLC	15	100.0	0.0	0.0	6.1	2.3	e
3 Afinion	661	98.3	0.6	1.1	5.7	2.4	e
4 Cobas b101/Click	223	97.3	2.7	0.0	5.6	3.9	e
5 DCA Vantage	169	97.0	2.4	0.6	5.8	3.2	e
6 AFIAS	242	90.1	9.1	0.8	5.8	5.1	e
7 A1c Now	13	69.2	7.7	23.1	5.7	4.8	e*
8 Quick Read go	5	80.0	20.0	0.0	6.0	4.9	c*
9 Celltac chemi	35	94.3	2.9	2.9	5.8	4.0	e
10 Others	4	100.0	0.0	0.0	6.0	5.2	c*

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

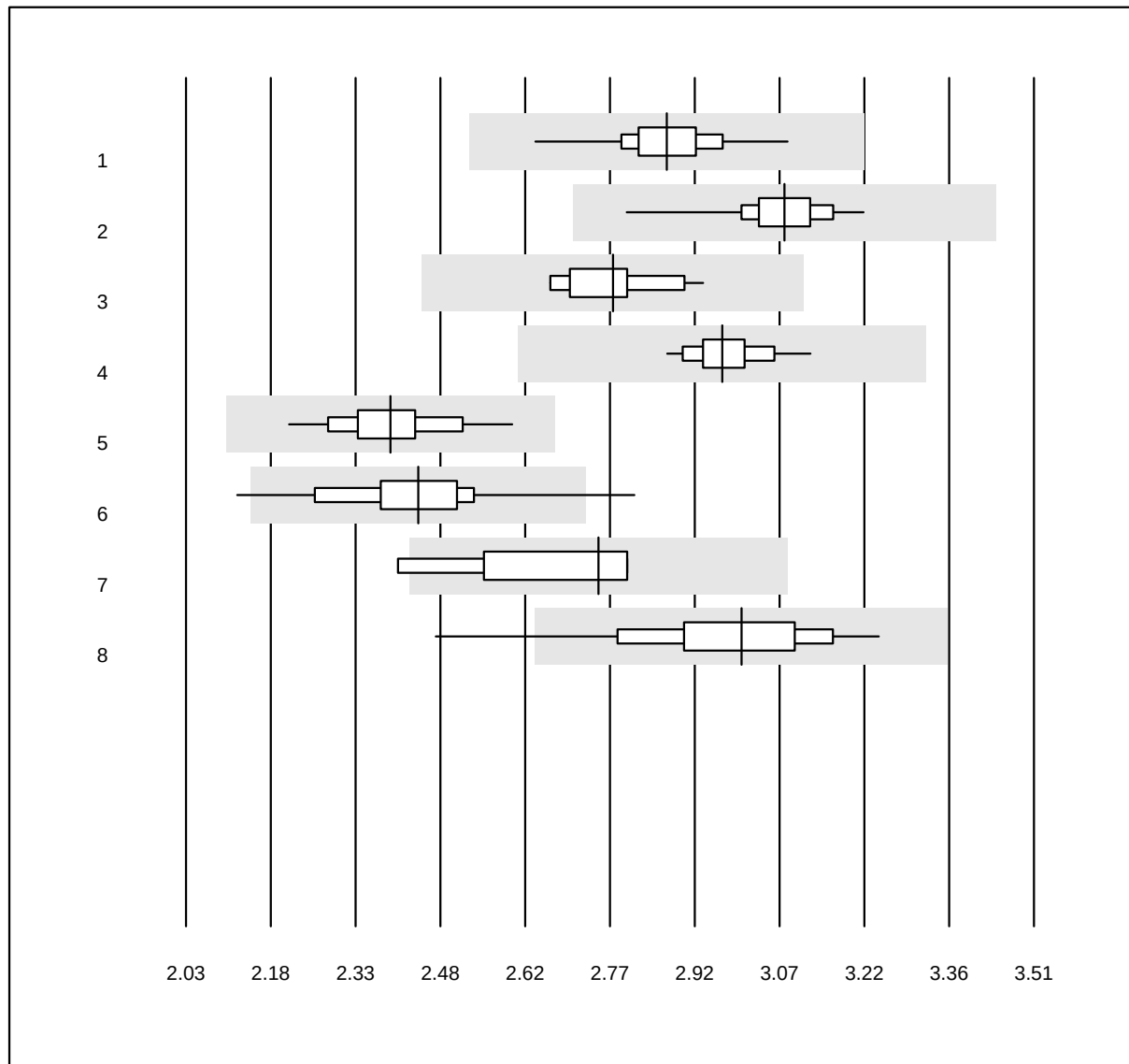
pO₂

QUALAB Toleranz: 15%

pO₂ (kPa)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ABL700/800	122	93.4	2.5	4.1	9.96	5.0	e
2 ABL90 FLEX / PLUS	176	92.6	2.3	5.1	7.59	5.0	e
3 GEM	20	95.0	0.0	5.0	9.43	5.3	e
4 Cobas b 123	18	88.9	5.6	5.6	9.06	7.6	e
5 iStat	57	84.2	8.8	7.0	11.82	8.9	e
6 EPOC	61	80.3	8.2	11.5	10.17	10.0	e
7 RAPIDPoint 500	29	100.0	0.0	0.0	9.95	2.6	e
8 IL	4	100.0	0.0	0.0	8.90	3.3	e

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

pCO₂

QUALAB Toleranz: 12%

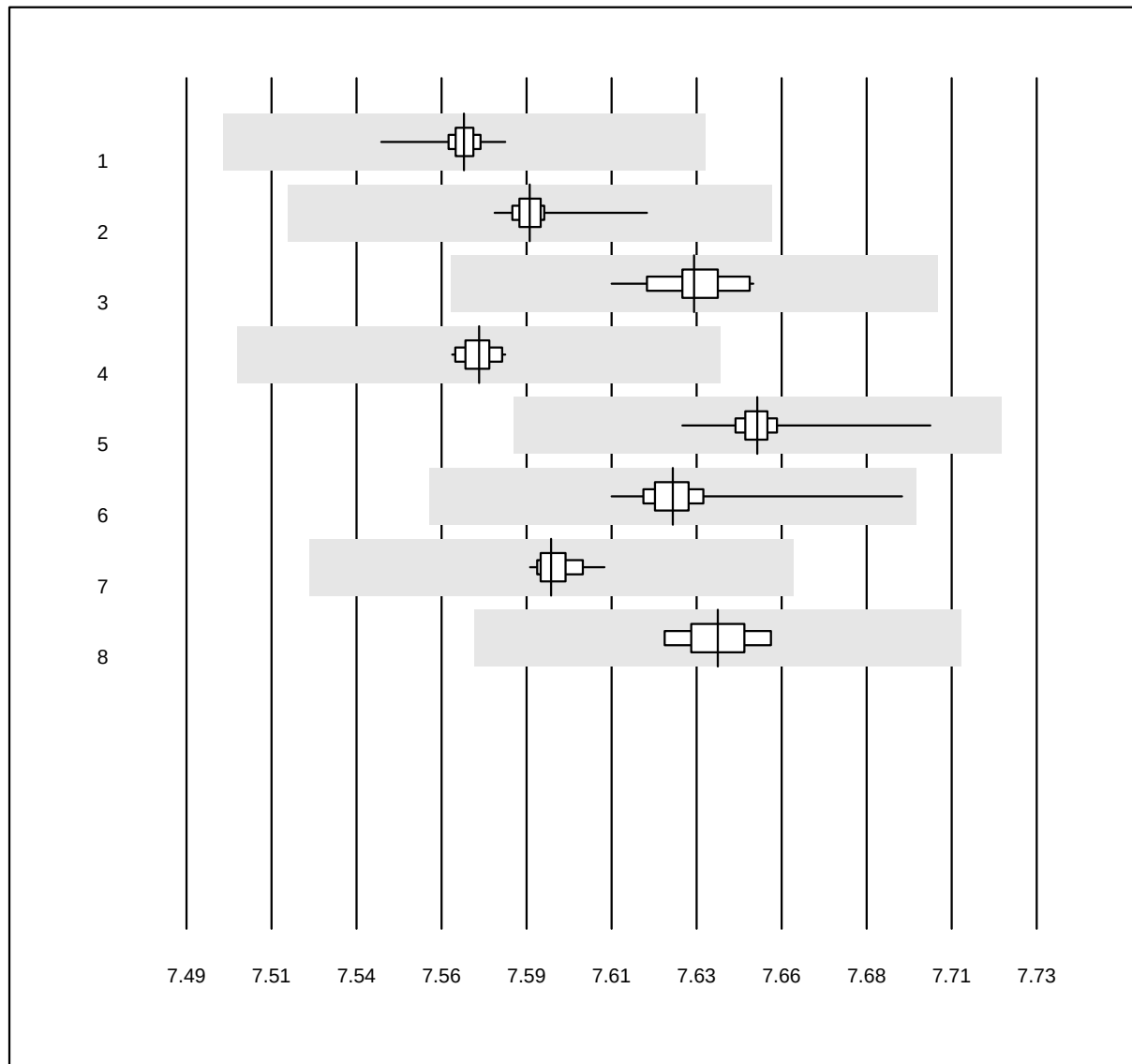
pCO₂ (kPa)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ABL700/800	122	100.0	0.0	0.0	2.87	2.7	e
2 ABL90 FLEX / PLUS	175	99.4	0.0	0.6	3.07	2.2	e
3 GEM	20	100.0	0.0	0.0	2.78	2.9	e
4 Cobas b 123	18	100.0	0.0	0.0	2.97	2.1	e
5 iStat	59	98.3	0.0	1.7	2.39	3.6	e
6 EPOC	61	90.2	3.3	6.6	2.44	5.2	e
7 IL	4	100.0	0.0	0.0	2.75	5.2	e*
8 RAPIDPoint 500	30	96.7	3.3	0.0	3.00	5.2	e

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

K04 Blood gases

pH



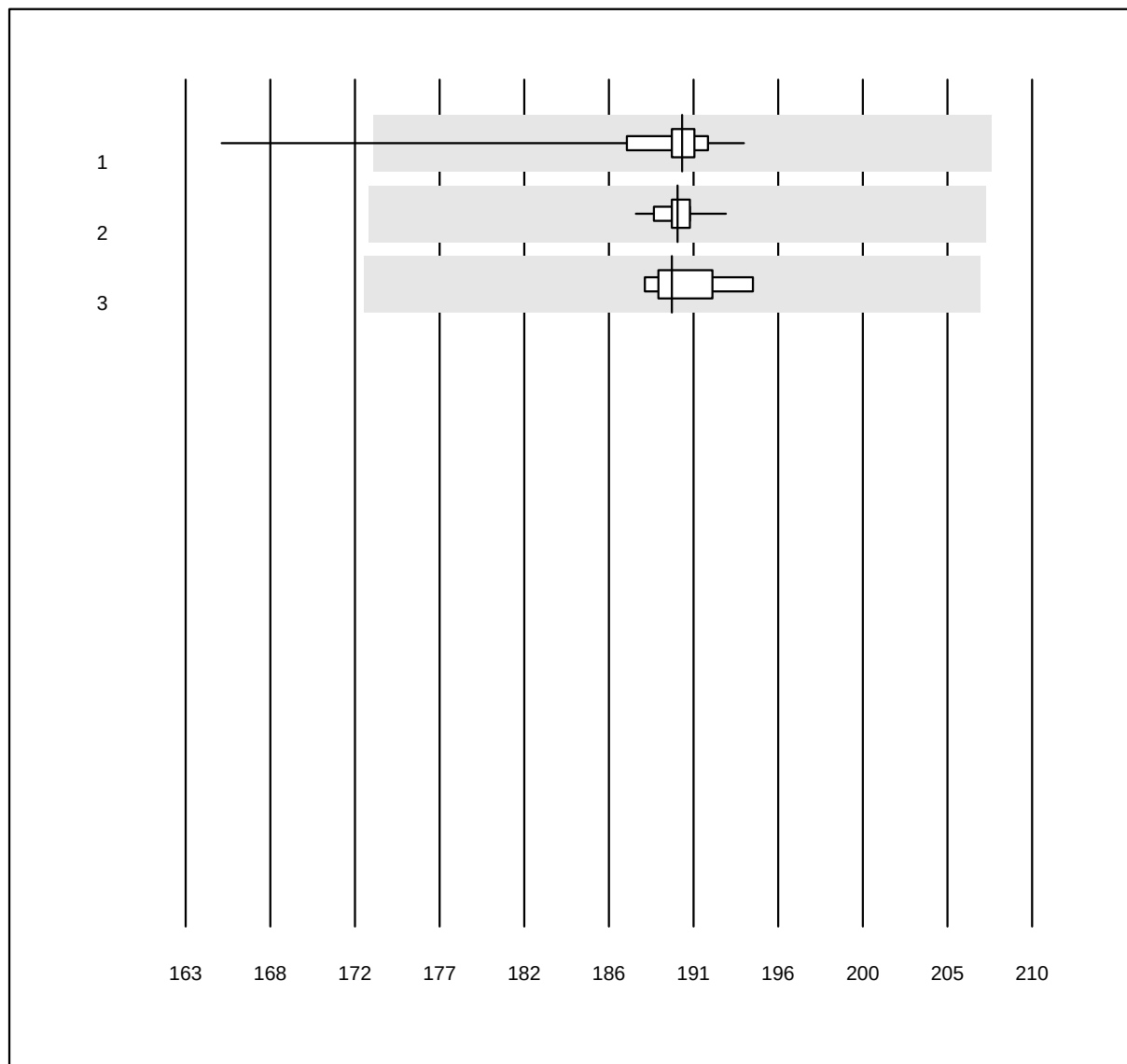
QUALAB Toleranz: 0%

pH ()

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ABL700/800	121	100.0	0.0	0.0	7.57	0.1	e
2 ABL90 FLEX / PLUS	177	100.0	0.0	0.0	7.59	0.1	e
3 GEM	20	100.0	0.0	0.0	7.63	0.1	e
4 Cobas b 123	18	100.0	0.0	0.0	7.57	0.1	e
5 iStat	62	100.0	0.0	0.0	7.65	0.1	e
6 EPOC	61	98.4	0.0	1.6	7.63	0.1	e
7 RAPIDPoint 500	30	100.0	0.0	0.0	7.59	0.1	e
8 IL	4	100.0	0.0	0.0	7.64	0.1	e

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

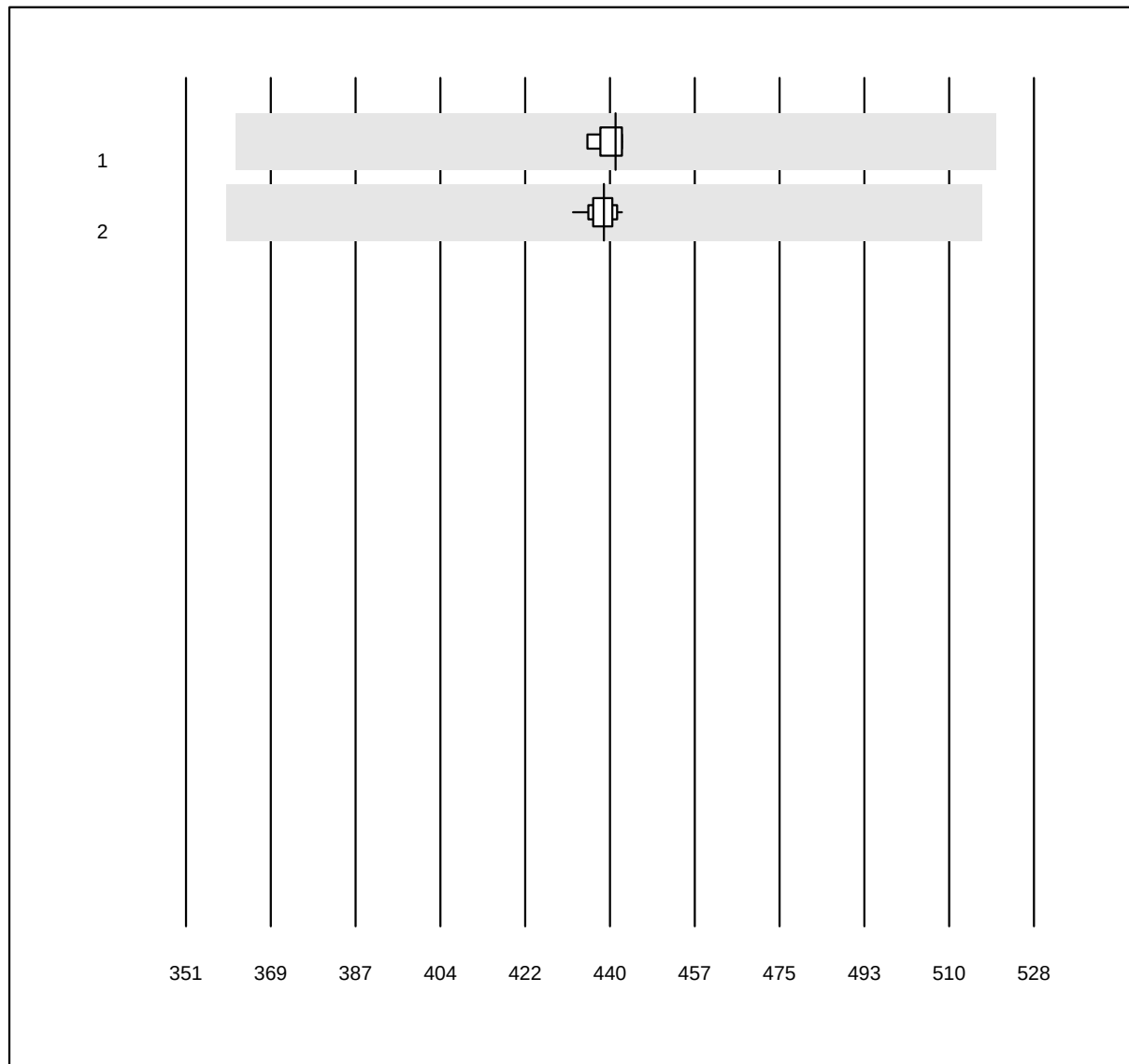
Hemoglobin BG



QUALAB Toleranz: 9%

Hemoglobin BG (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ABL700/800	115	98.3	0.9	0.9	190.6	2.2	e
2 ABL90 FLEX / PLUS	162	99.4	0.0	0.6	190.3	0.5	e
3 ABL80 FLEX CO-OX / OSM	4	100.0	0.0	0.0	190.0	0.9	e

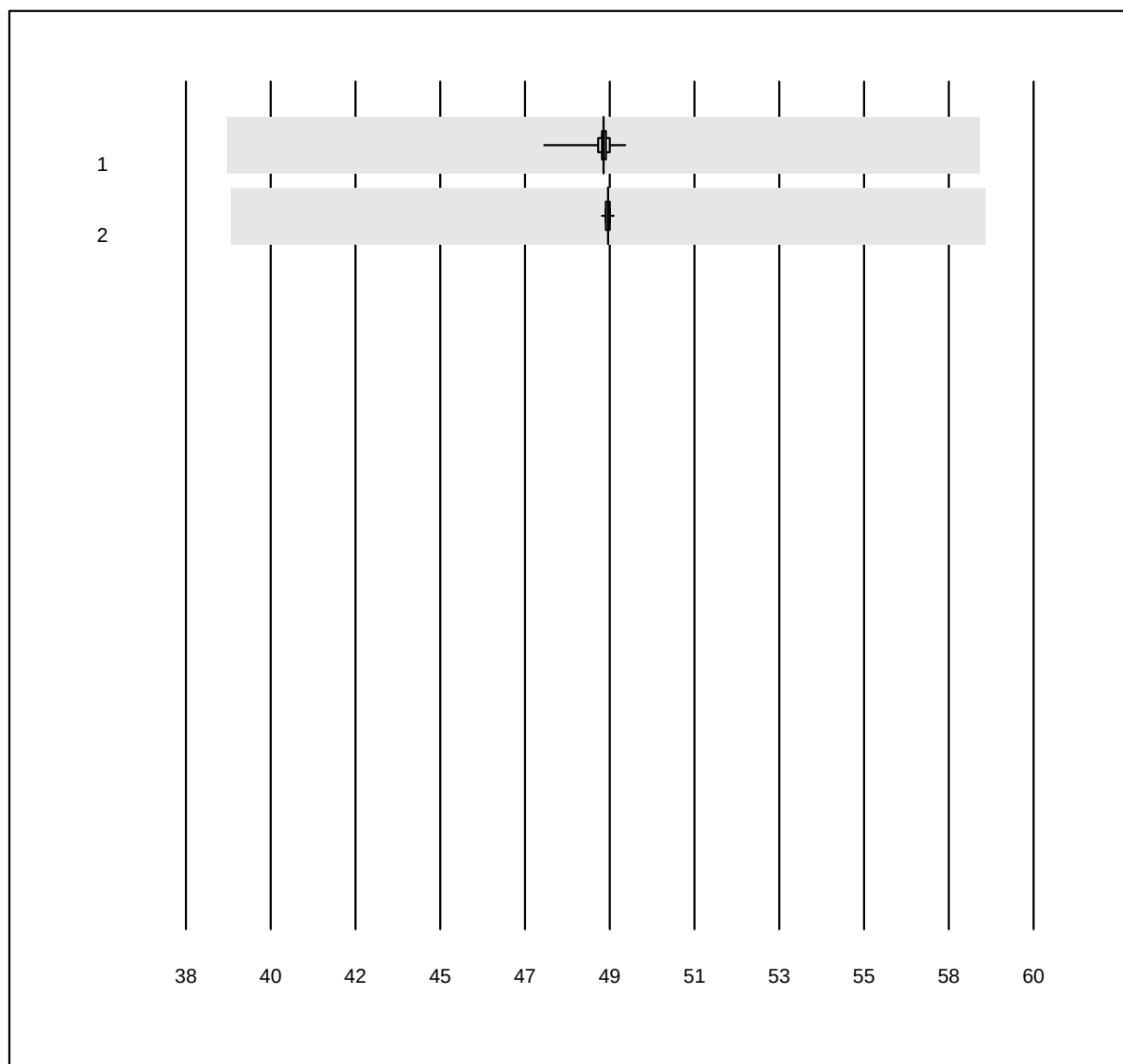
Bilirubin OR

QUALAB Toleranz: 18%

Bilirubin OR (μmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ABL700/800	5	100.0	0.0	0.0	440.7	0.6	e
2 ABL90 FLEX / PLUS	35	100.0	0.0	0.0	438.2	0.5	e

FO2Hb OR



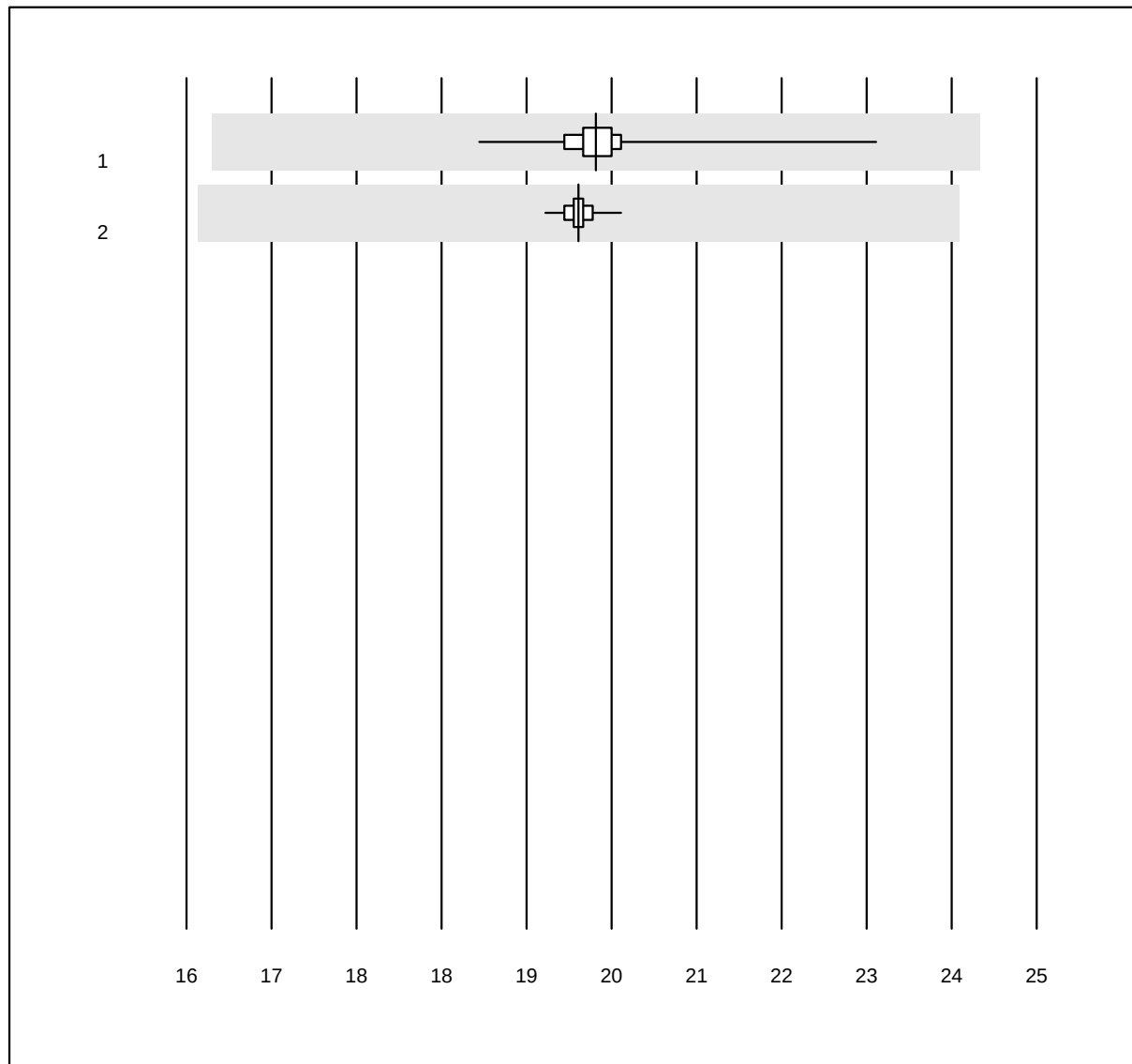
MQ Toleranz: 20%

FO2Hb OR (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ABL700/800	101	99.0	0.0	1.0	48.840	0.4	e
2 ABL90 FLEX / PLUS	151	99.3	0.0	0.7	48.956	0.1	e

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

FCOHb OR



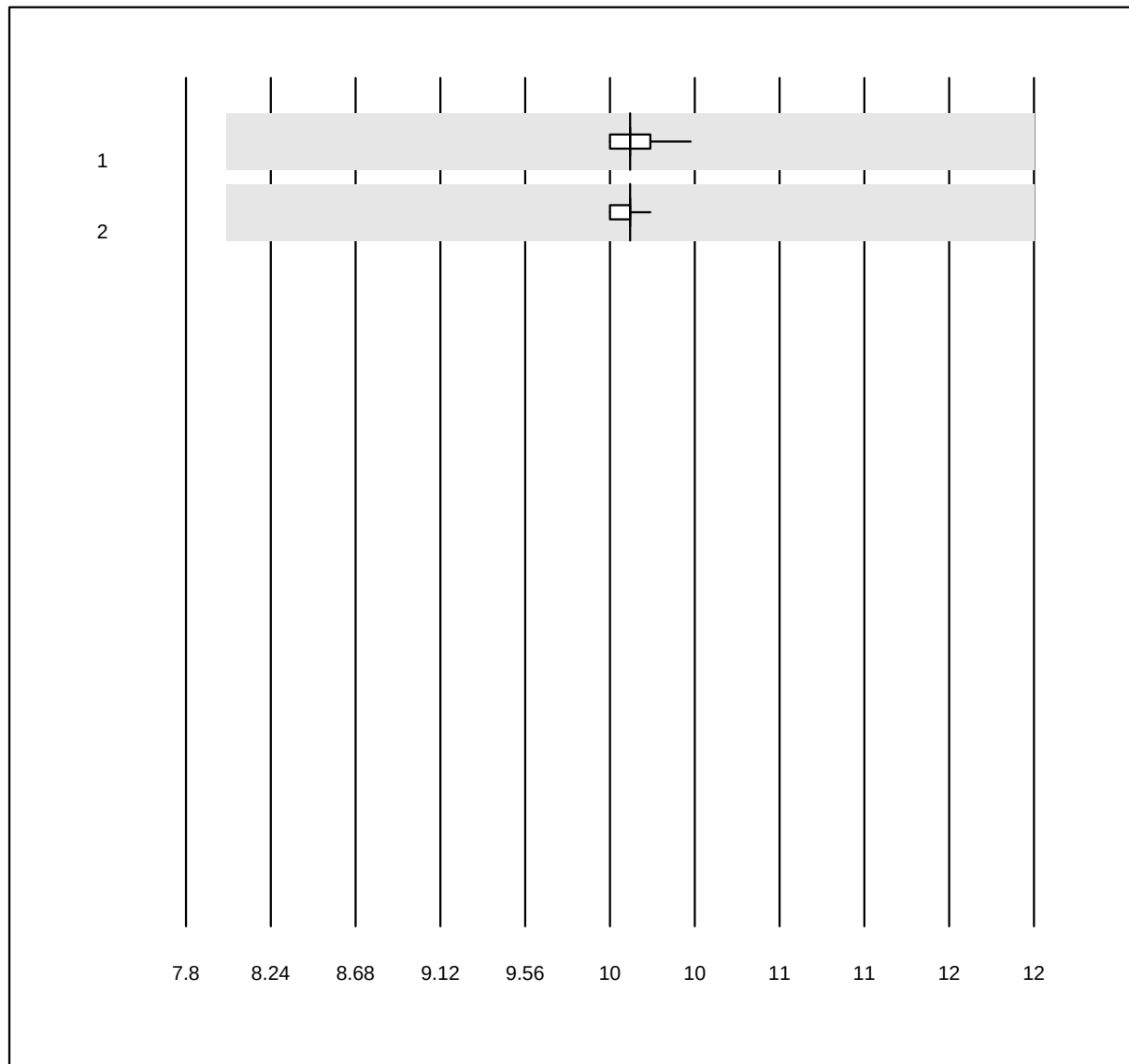
MQ Toleranz: 20%

FCOHb OR (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ABL700/800	102	98.0	0.0	2.0	20.334	2.1	e
2 ABL90 FLEX / PLUS	154	98.7	0.0	1.3	20.149	0.6	e

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

FMetHb OR



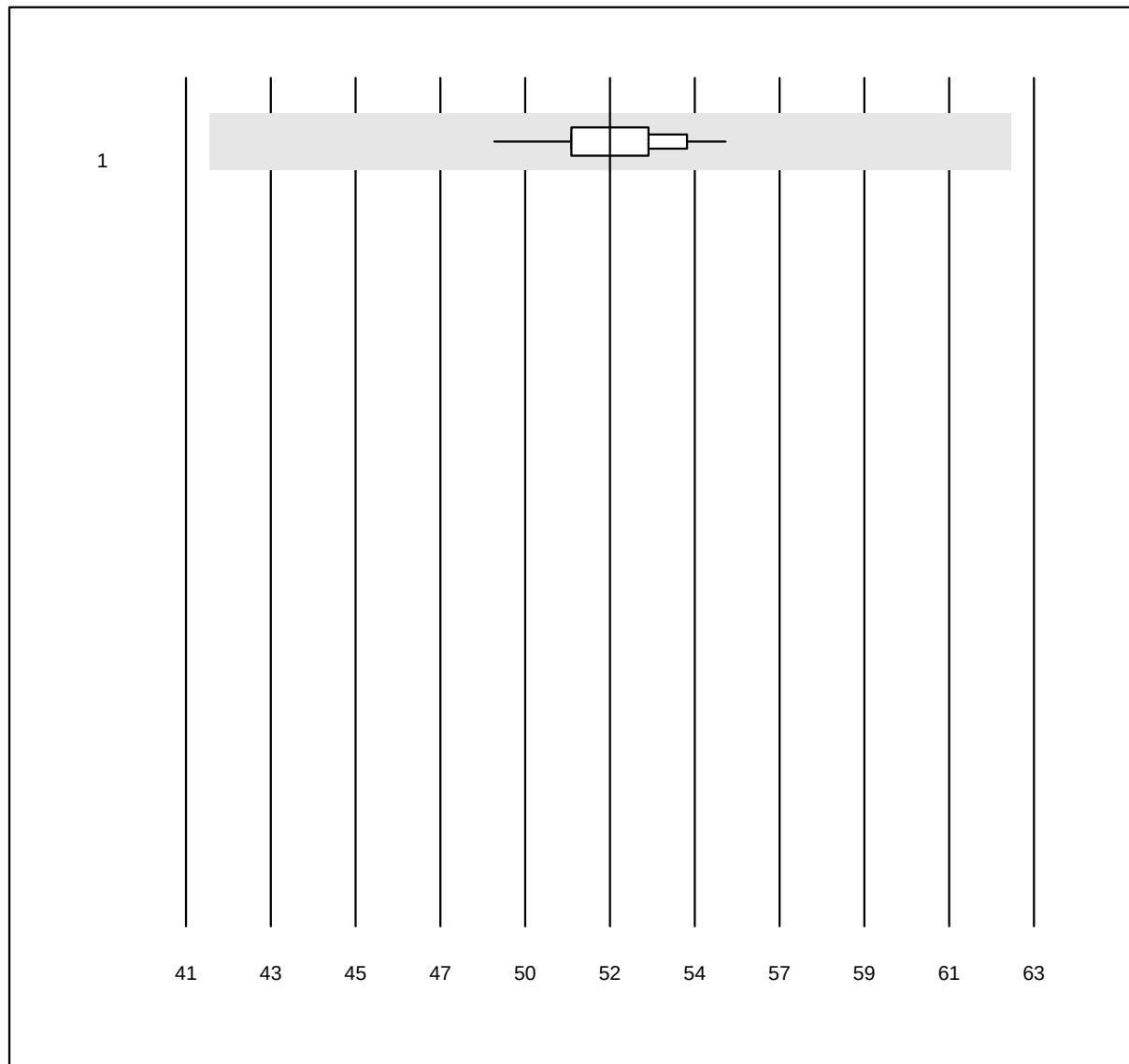
MQ Toleranz: 20%

FMetHb OR (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ABL700/800	102	100.0	0.0	0.0	10.000	0.7	e
2 ABL90 FLEX / PLUS	152	100.0	0.0	0.0	10.000	0.4	e

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

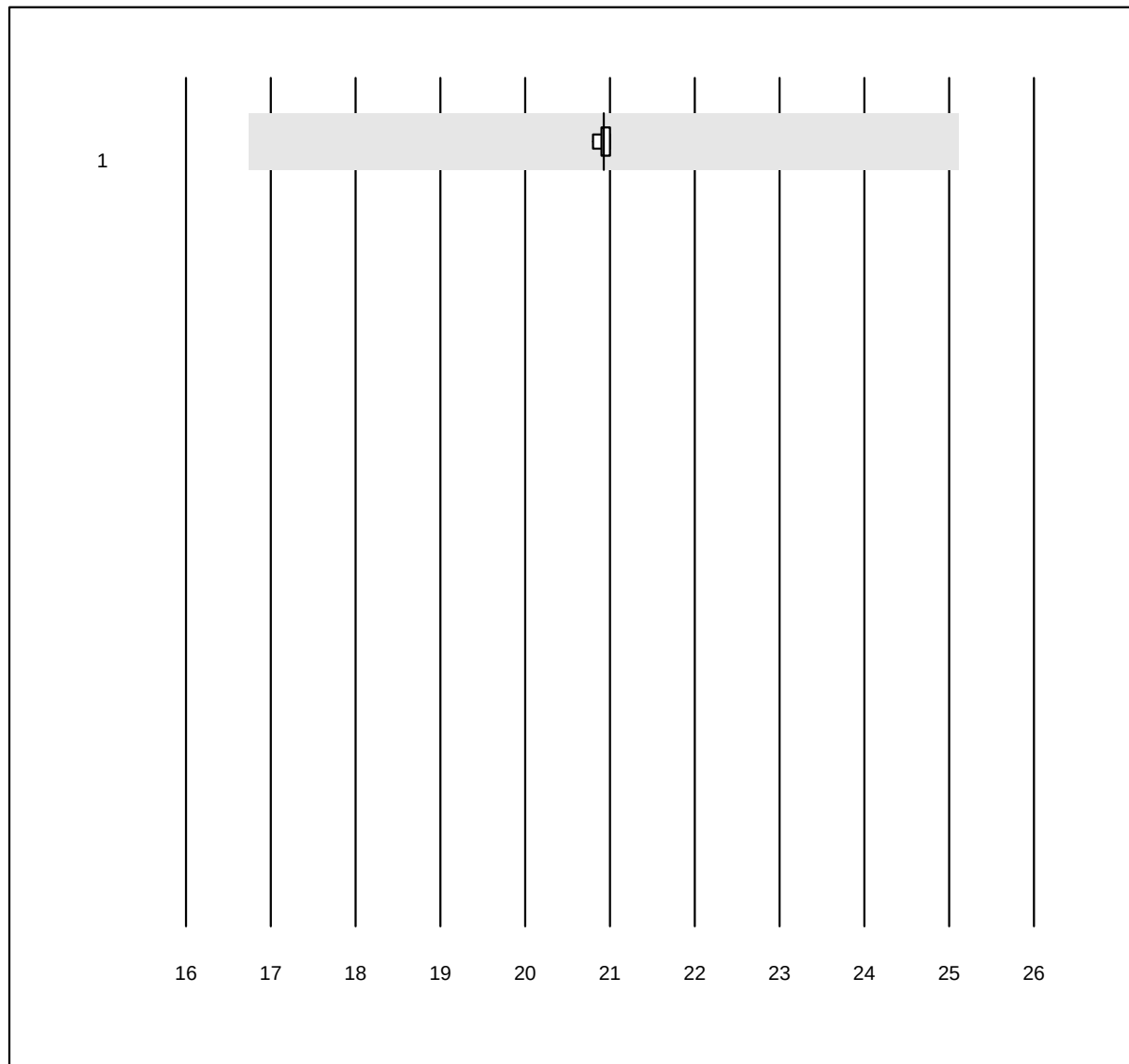
FHbF OR



MQ Toleranz: 20%

FHbF OR (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ABL90 FLEX / PLUS	37	100.0	0.0	0.0	52.000	2.5	e

FHHb

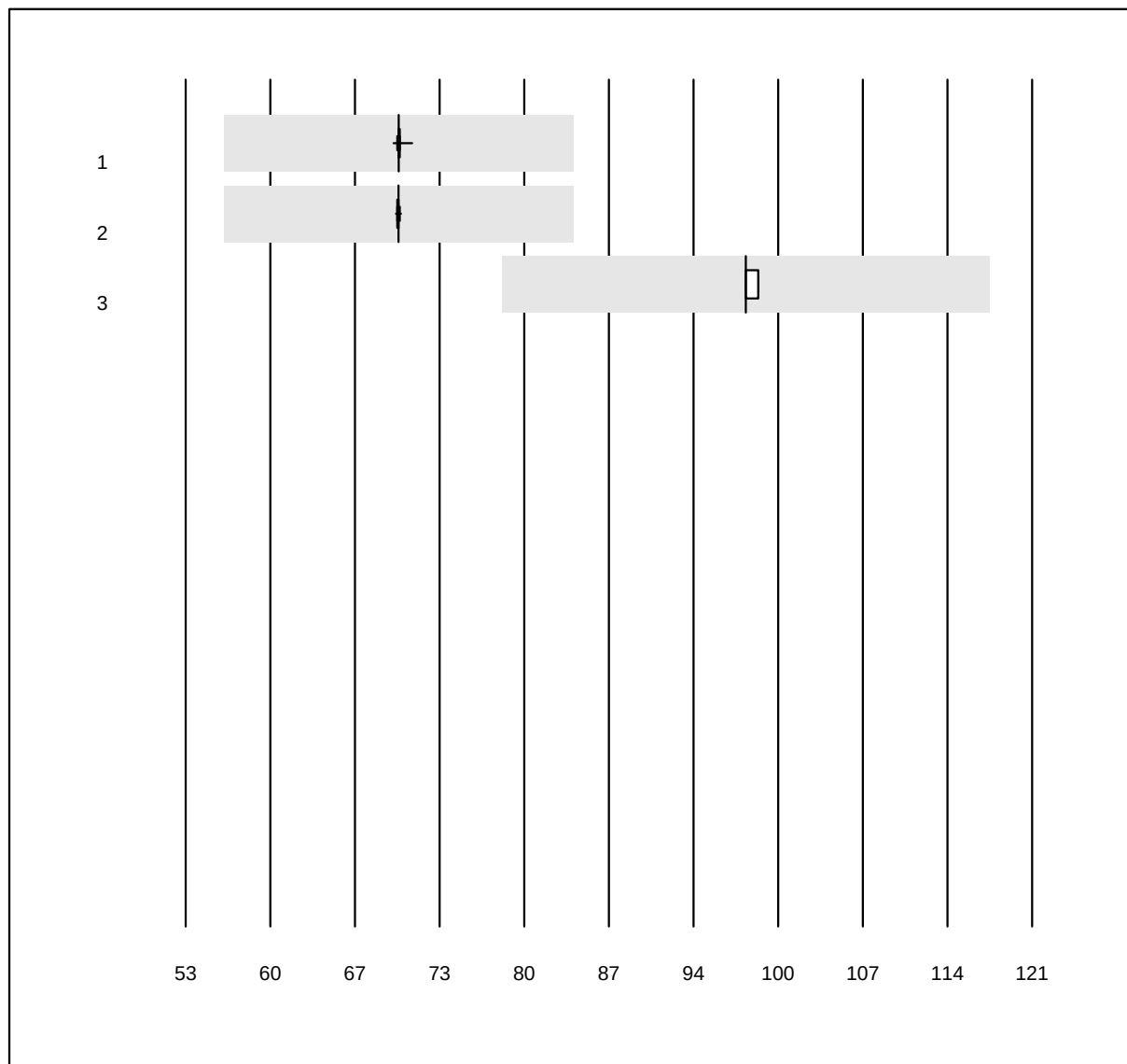
MQ Toleranz: 20%

FHHb (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ABL90 FLEX / PLUS	16	100.0	0.0	0.0	20.927	0.3	e

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

sO2 OR



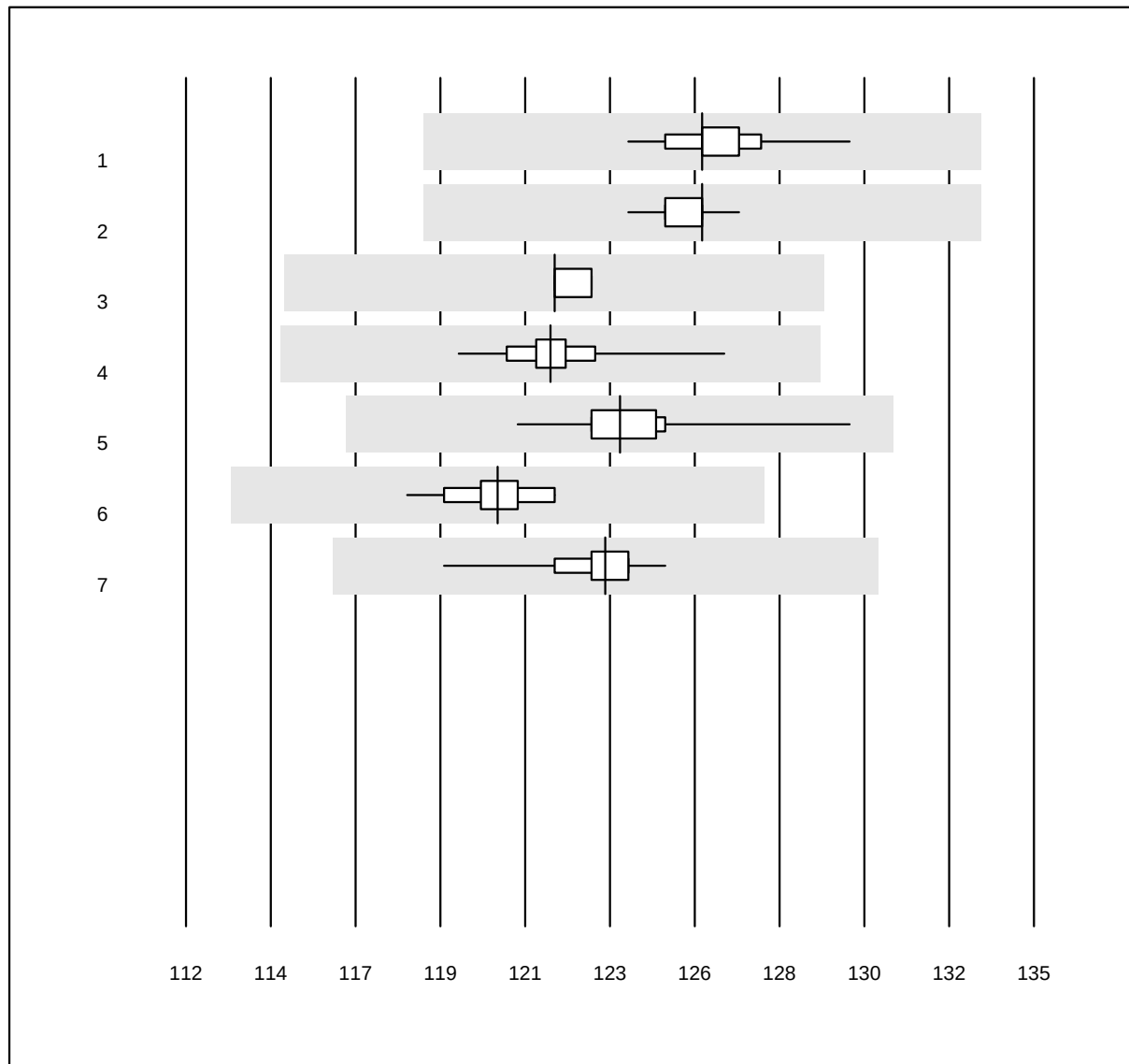
MQ Toleranz: 20%

sO2 OR (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ABL700/800	104	99.0	0.0	1.0	70.114	0.2	e
2 ABL90 FLEX / PLUS	148	100.0	0.0	0.0	70.100	0.1	e
3 iStat	33	100.0	0.0	0.0	98.000	0.5	e

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

Sodium BG



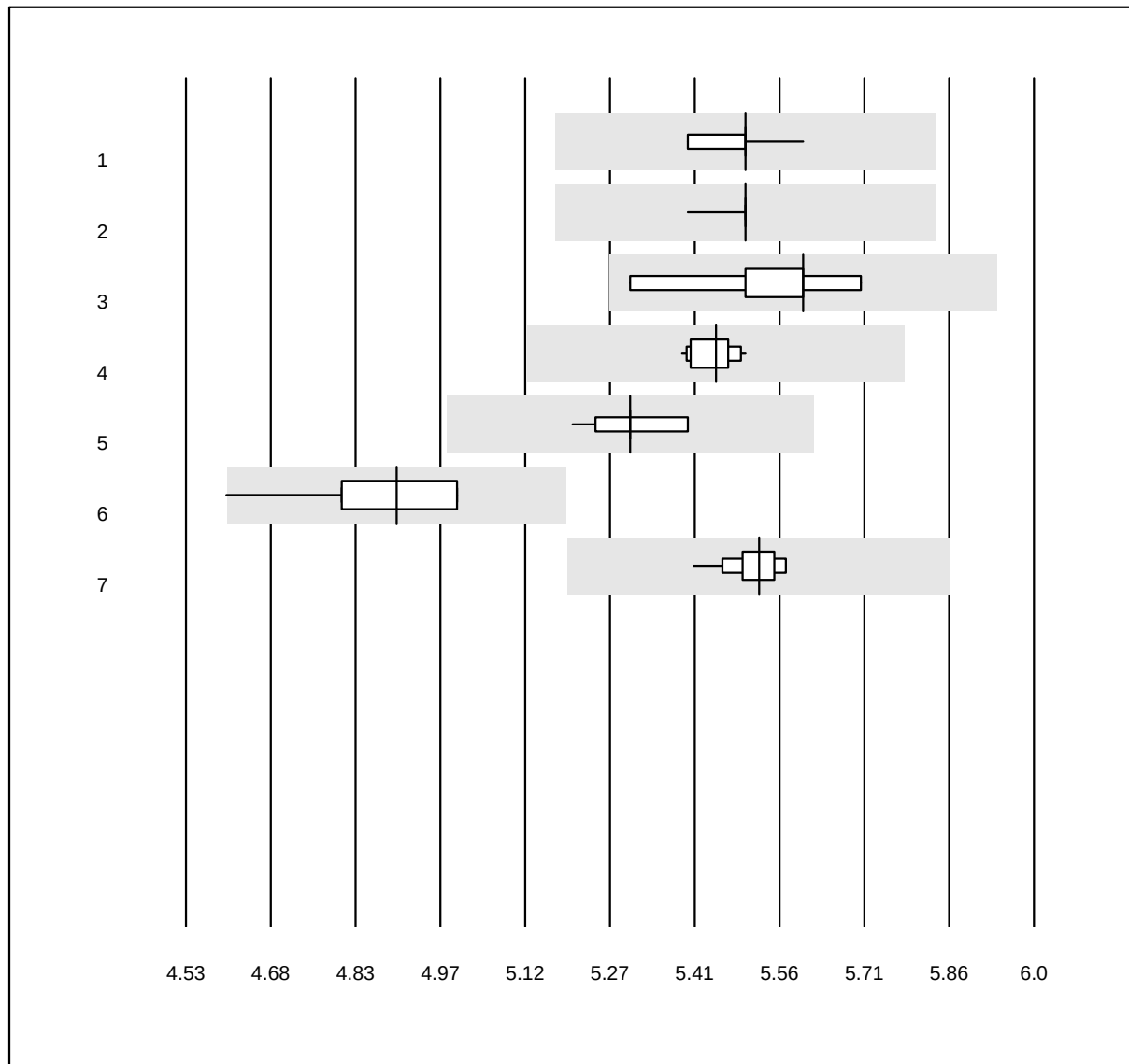
QUALAB Toleranz: 6%

Sodium BG (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ABL700/800	113	100.0	0.0	0.0	126.0	0.7	e
2 ABL90 FLEX / PLUS	161	100.0	0.0	0.0	126.0	0.4	e
3 GEM	14	100.0	0.0	0.0	122.0	0.4	e
4 Cobas b 123	19	100.0	0.0	0.0	121.9	1.1	e
5 iStat	24	100.0	0.0	0.0	123.8	1.3	e
6 EPOC	48	100.0	0.0	0.0	120.5	0.8	e
7 RAPIDPoint 500	29	100.0	0.0	0.0	123.4	0.9	e

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

Potassium BG



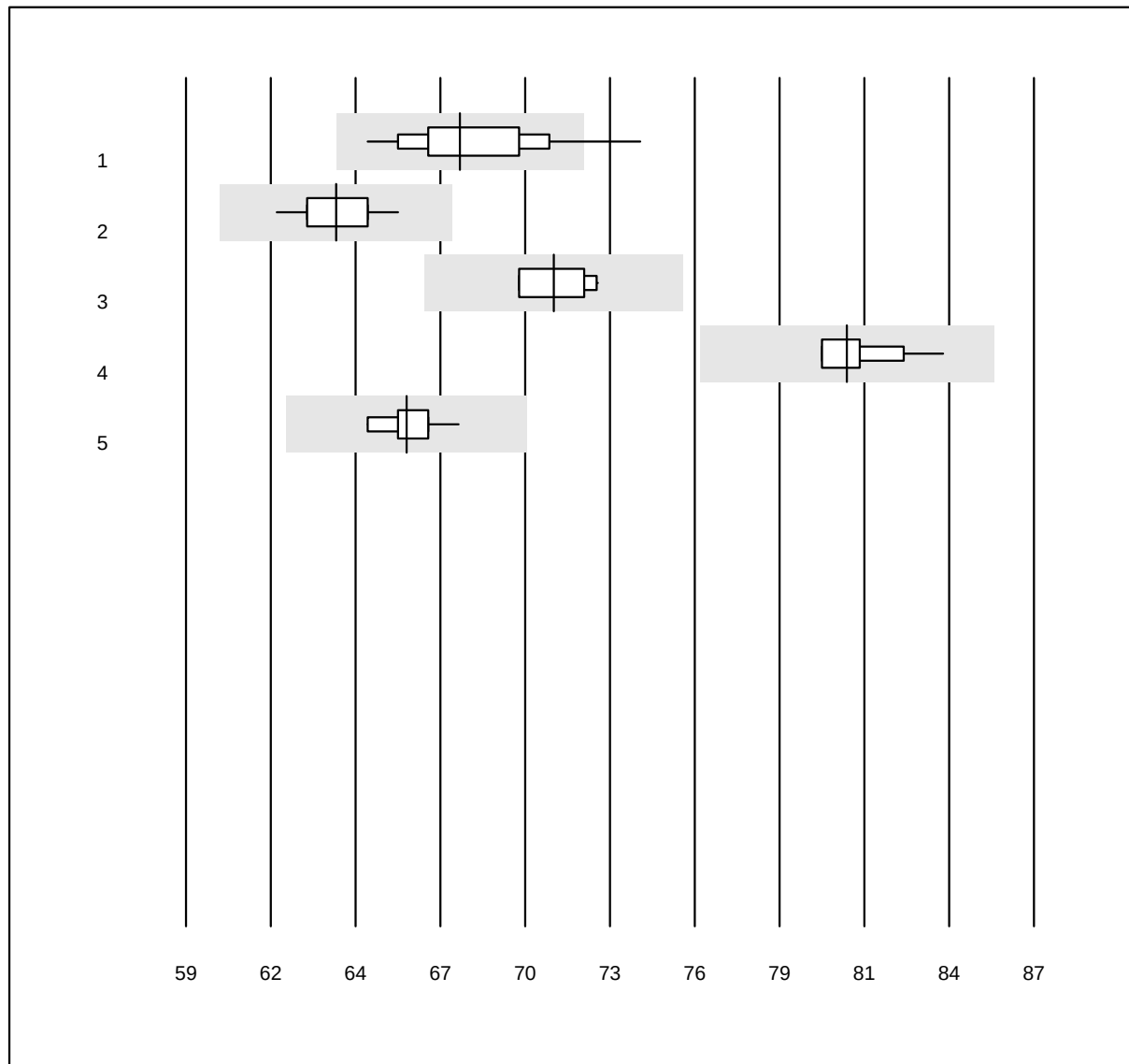
QUALAB Toleranz: 6%

Potassium BG (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ABL700/800	114	100.0	0.0	0.0	5.5	1.0	e
2 ABL90 FLEX / PLUS	162	100.0	0.0	0.0	5.5	0.5	e
3 GEM	13	100.0	0.0	0.0	5.6	2.3	e
4 Cobas b 123	18	94.4	0.0	5.6	5.4	0.6	e
5 iStat	24	95.8	0.0	4.2	5.3	0.9	e
6 EPOC	50	98.0	2.0	0.0	4.9	1.8	e
7 RAPIDPoint 500	29	100.0	0.0	0.0	5.5	0.7	e

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

Chlorid-BG



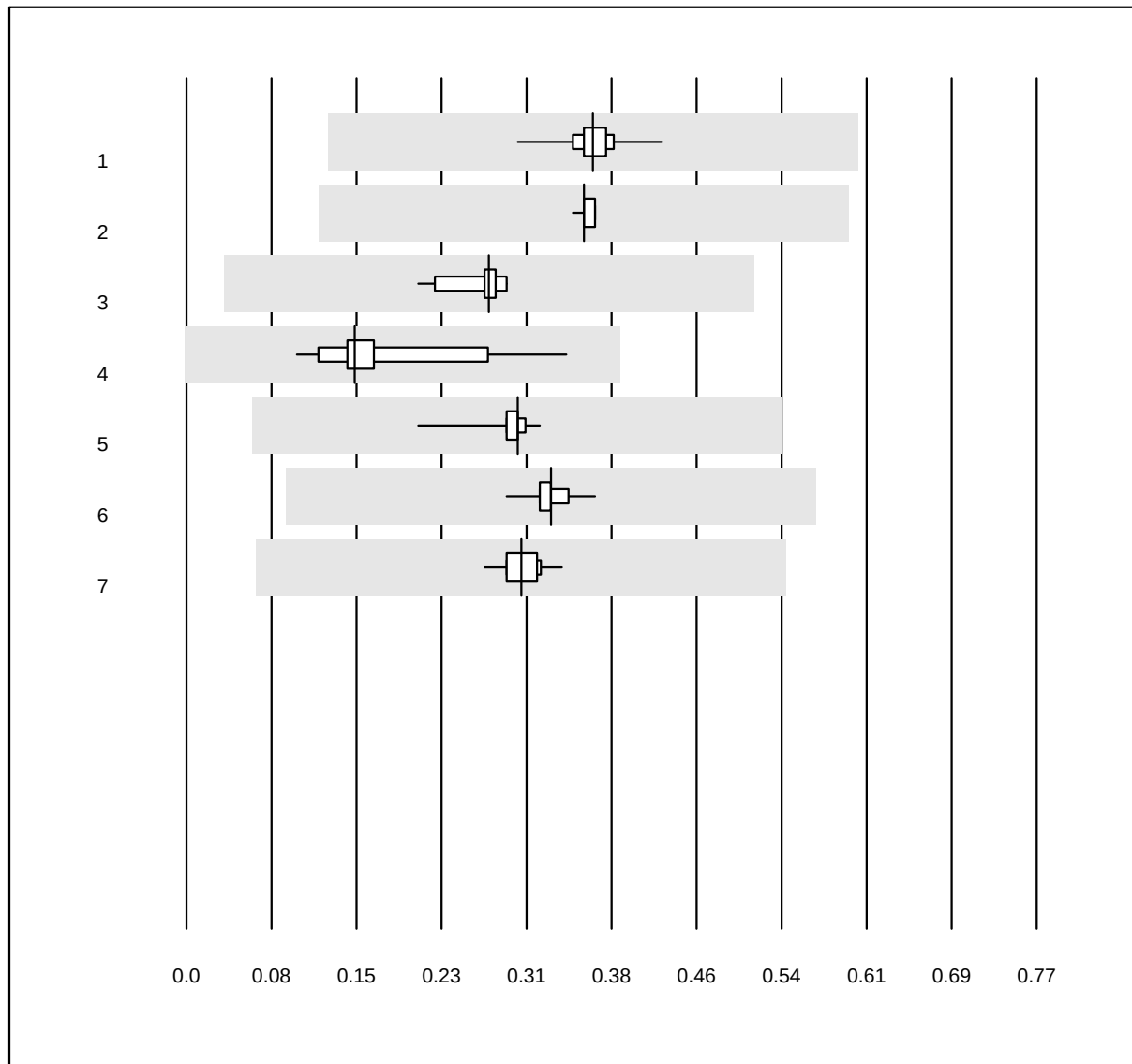
QUALAB Toleranz: 6%

Chlorid-BG (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ABL700/800	111	95.5	3.6	0.9	68.0	3.1	e
2 ABL90 FLEX / PLUS	155	100.0	0.0	0.0	64.0	1.4	e
3 Cobas b 123	13	100.0	0.0	0.0	71.1	1.4	e
4 EPOC	23	95.7	0.0	4.3	80.8	1.3	e
5 RAPIDPoint 500	29	100.0	0.0	0.0	66.3	1.3	e

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

Calcium BG



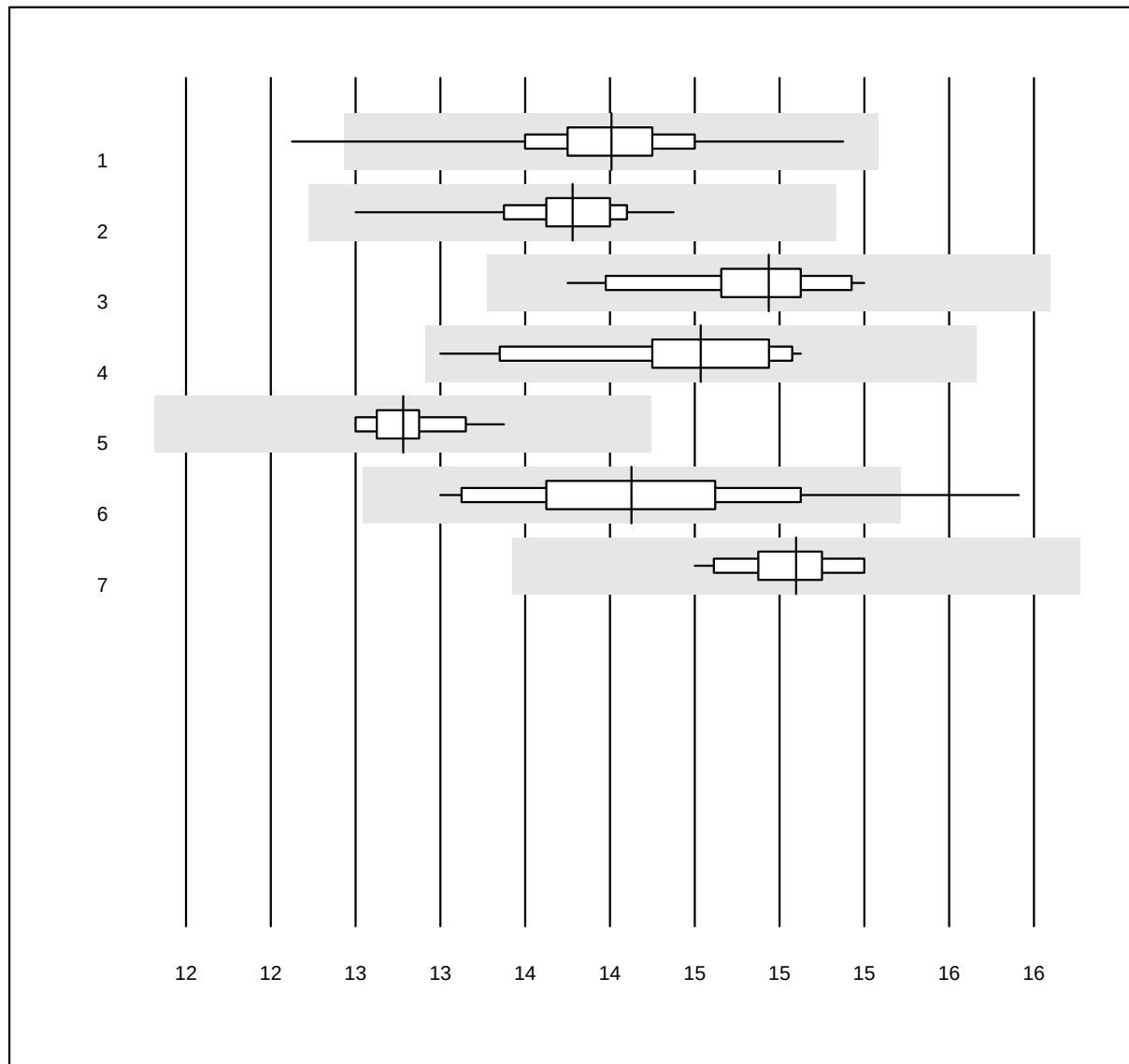
MQ Toleranz: 12%
(< 2.0: +/- 0.24 mmol/l)

Calcium BG (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ABL700/800	113	99.1	0.0	0.9	0.37	4.7	e
2 ABL90 FLEX / PLUS	159	100.0	0.0	0.0	0.36	1.6	e
3 GEM	12	100.0	0.0	0.0	0.27	7.7	e
4 Cobas b 123	14	100.0	0.0	0.0	0.15	34.1	e
5 iStat	22	100.0	0.0	0.0	0.30	6.8	e
6 EPOC	45	95.6	0.0	4.4	0.33	4.3	e
7 RAPIDPoint 500	28	100.0	0.0	0.0	0.30	5.0	e

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

Glucose BG



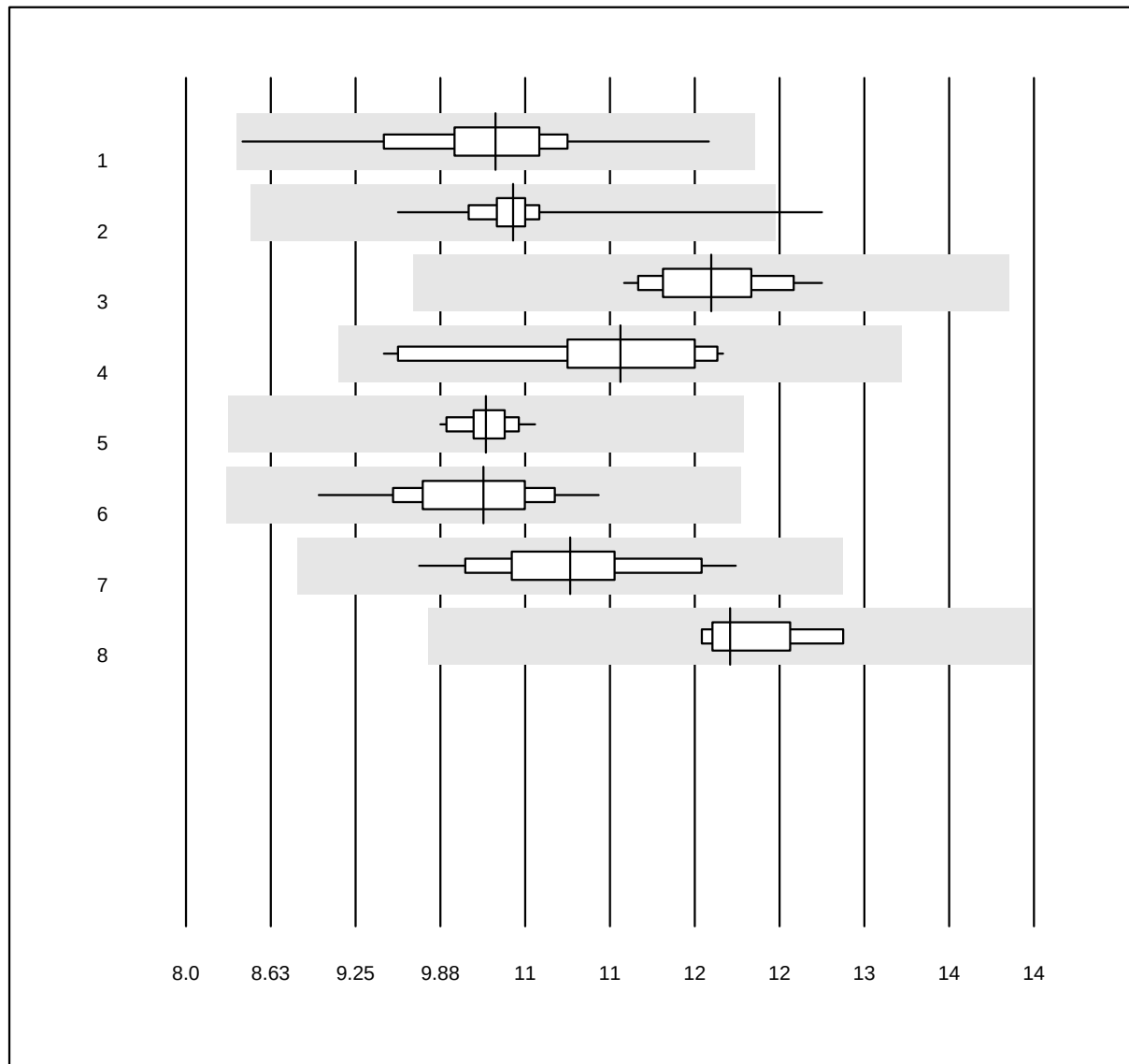
QUALAB Toleranz: 9%

Glucose BG (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ABL700/800	114	99.1	0.9	0.0	14.0	2.7	e
2 ABL90 FLEX / PLUS	151	100.0	0.0	0.0	13.8	1.8	e
3 GEM	12	100.0	0.0	0.0	14.7	2.5	e
4 Cobas b 123	13	100.0	0.0	0.0	14.4	3.2	e
5 iStat	15	100.0	0.0	0.0	13.0	1.4	e
6 EPOC	48	95.8	4.2	0.0	14.1	4.2	e
7 RAPIDPoint 500	28	100.0	0.0	0.0	14.9	1.6	e

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

Lactate-BG



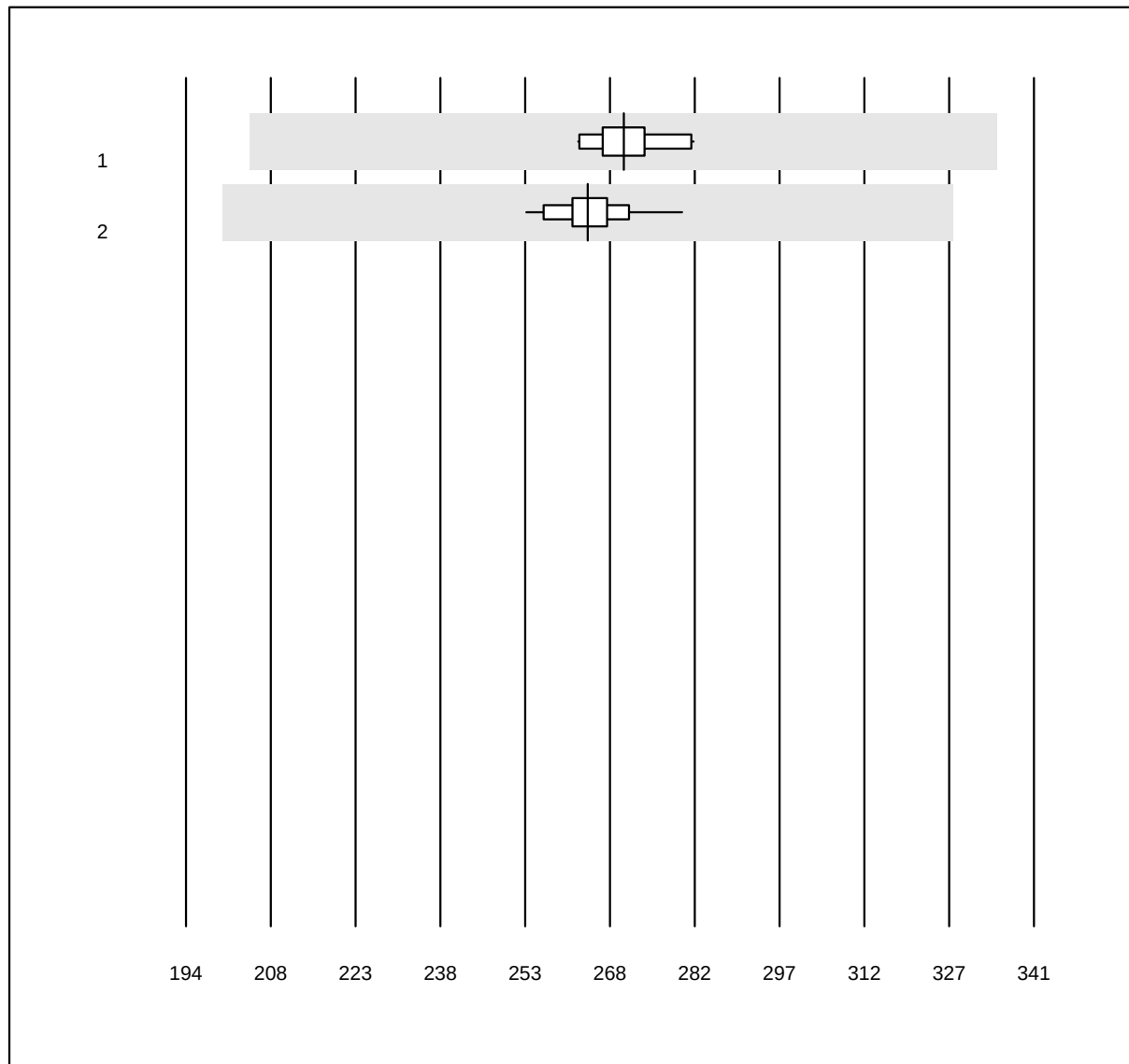
QUALAB Toleranz: 18%

Lactate-BG (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ABL700/800	119	100.0	0.0	0.0	10.19	5.2	e
2 ABL90 FLEX / PLUS	164	99.4	0.6	0.0	10.31	2.8	e
3 GEM	14	100.0	0.0	0.0	11.72	3.2	e
4 Cobas b 123	11	100.0	0.0	0.0	11.07	7.0	e
5 iStat	20	100.0	0.0	0.0	10.12	1.8	e
6 EPOC	46	95.7	0.0	4.3	10.10	4.3	e
7 RAPIDPoint 500	30	100.0	0.0	0.0	10.72	5.3	e
8 IL	4	100.0	0.0	0.0	11.85	2.6	e

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

Troponin T



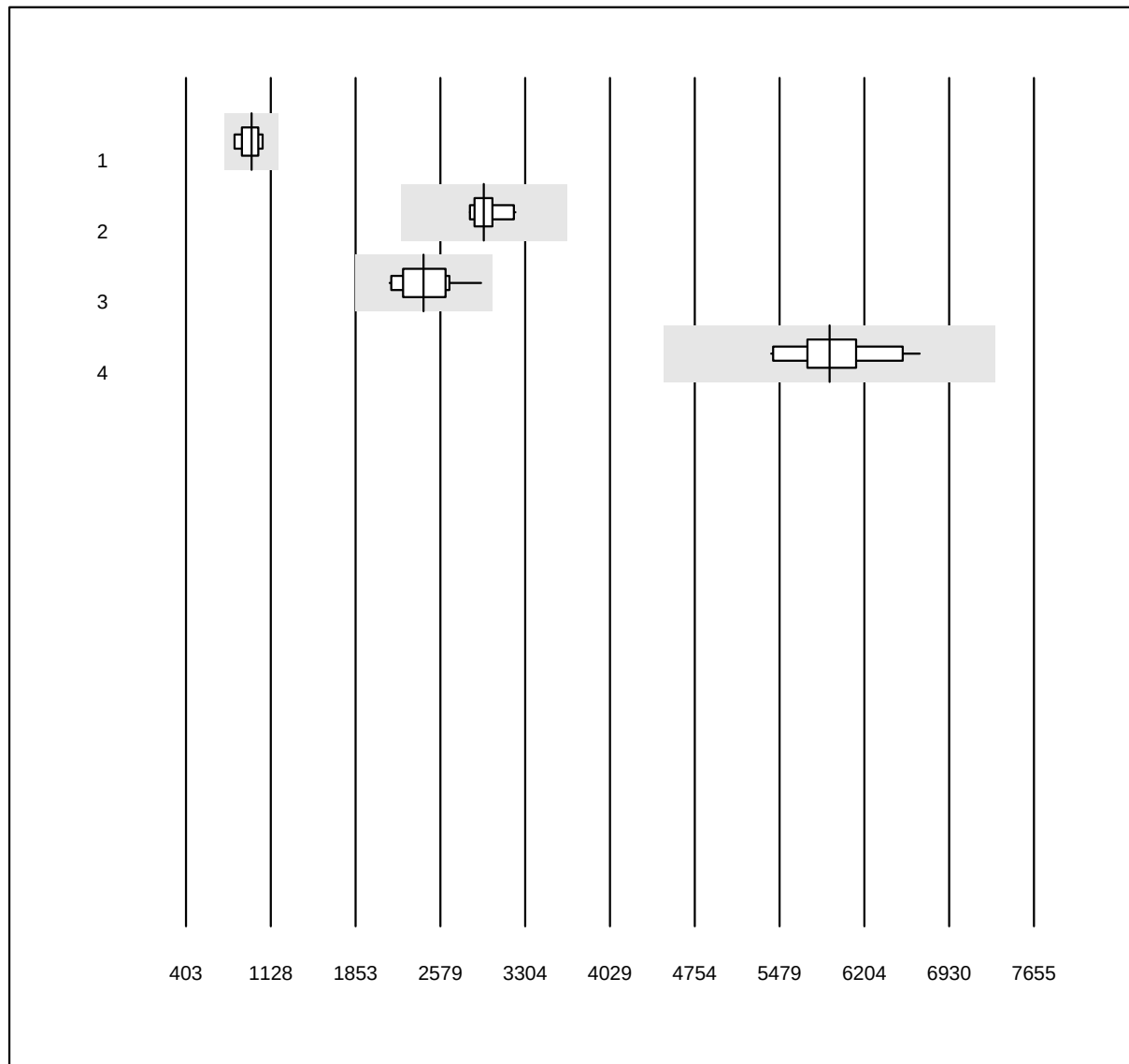
QUALAB Toleranz: 24%

Troponin T (ng/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Cobas hs	10	100.0	0.0	0.0	269.91	2.2	e
2 Cobas hs STAT	25	100.0	0.0	0.0	263.65	2.2	e

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

Troponin I



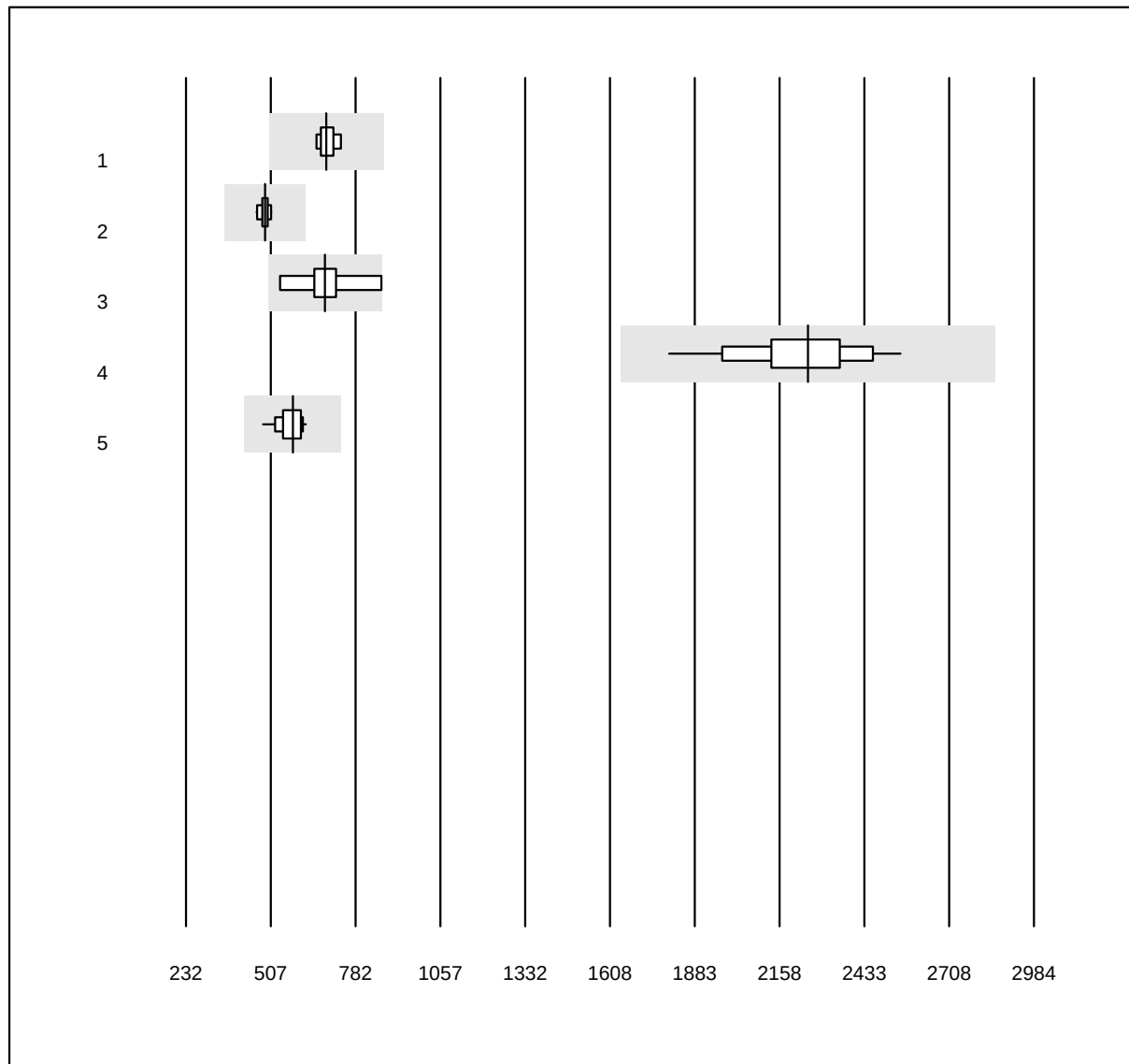
QUALAB Toleranz: 24%

Troponin I (ng/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	4	100.0	0.0	0.0	964.2	7.7	e*
2 Siemens	10	100.0	0.0	0.0	2949.9	4.0	e
3 Pathfast	20	100.0	0.0	0.0	2434.7	8.5	e
4 Vidas	14	100.0	0.0	0.0	5907.4	6.0	e

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

NT-proBNP



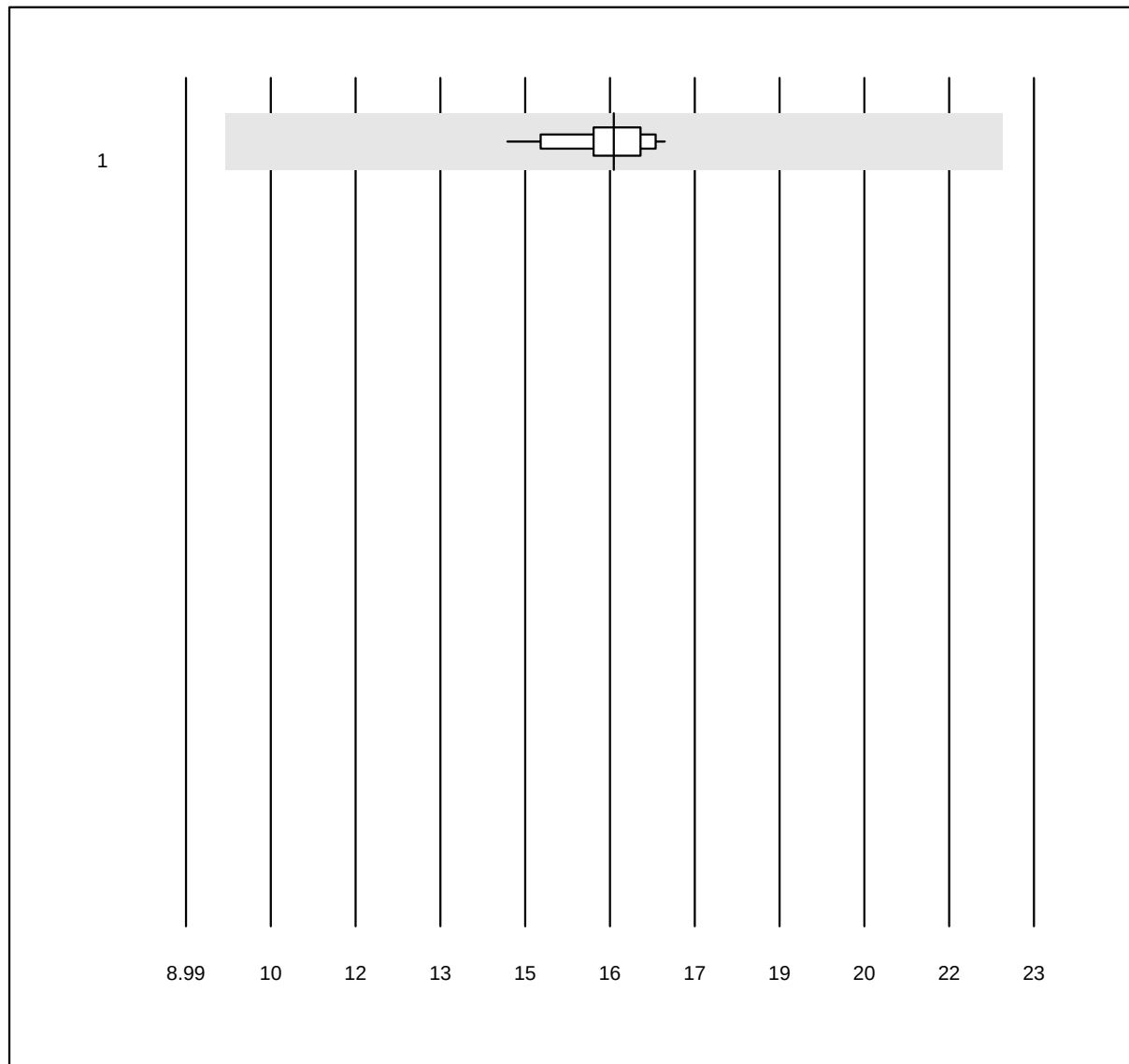
QUALAB Toleranz: 27%

NT-proBNP (ng/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	5	100.0	0.0	0.0	687.4	3.4	e
2 Siemens	10	100.0	0.0	0.0	488.8	2.7	e
3 VIDAS	9	88.9	0.0	11.1	683.0	12.4	e*
4 Pathfast	16	100.0	0.0	0.0	2250.8	7.9	e
5 Cobas E / Elecsys	31	100.0	0.0	0.0	579.0	6.1	e

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

CK-MB mass



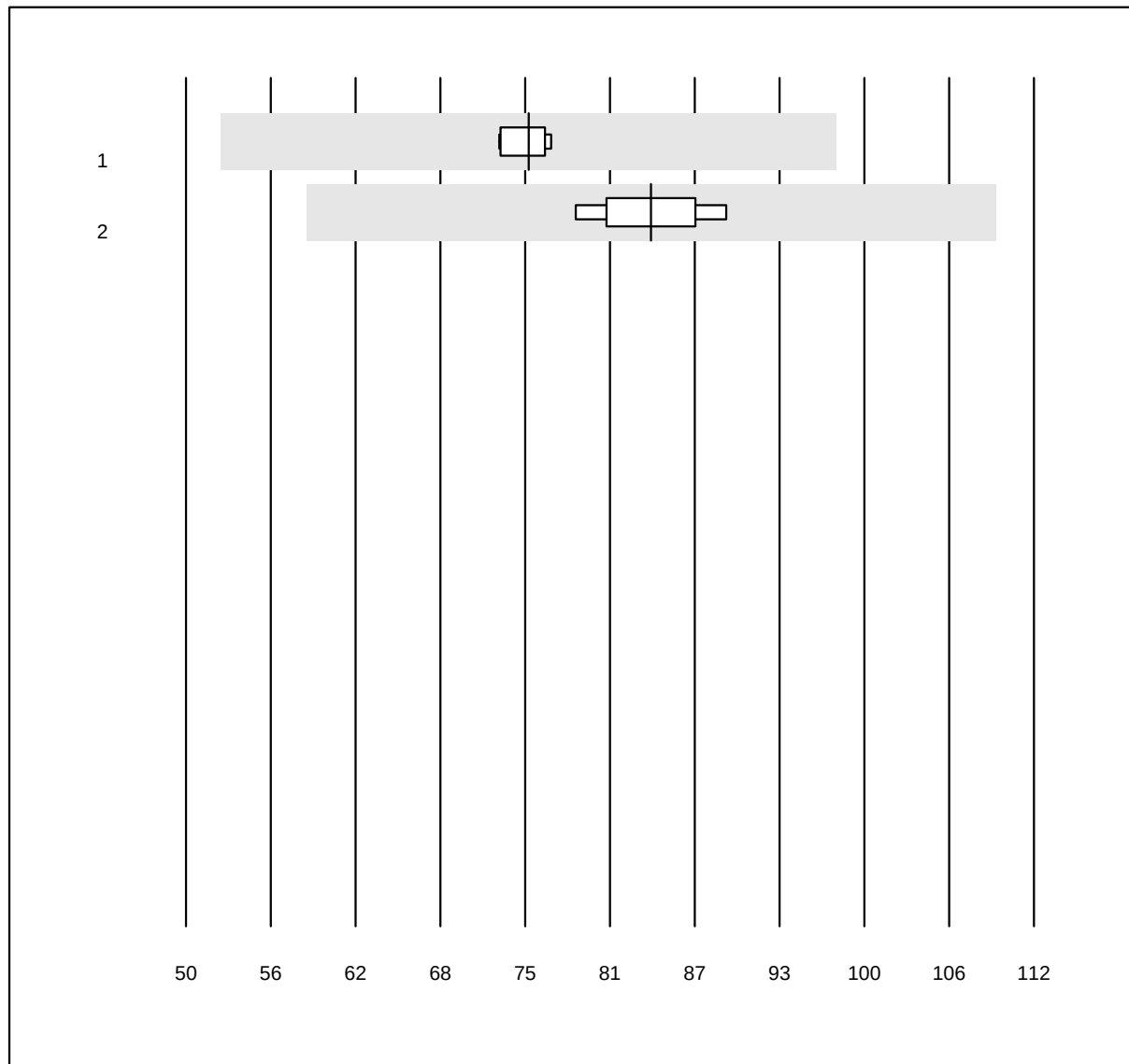
MQ Toleranz: 40%

CK-MB mass (µg/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Cobas E / Elecsys	14	100.0	0.0	0.0	16.1	4.0	e

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

Myoglobin



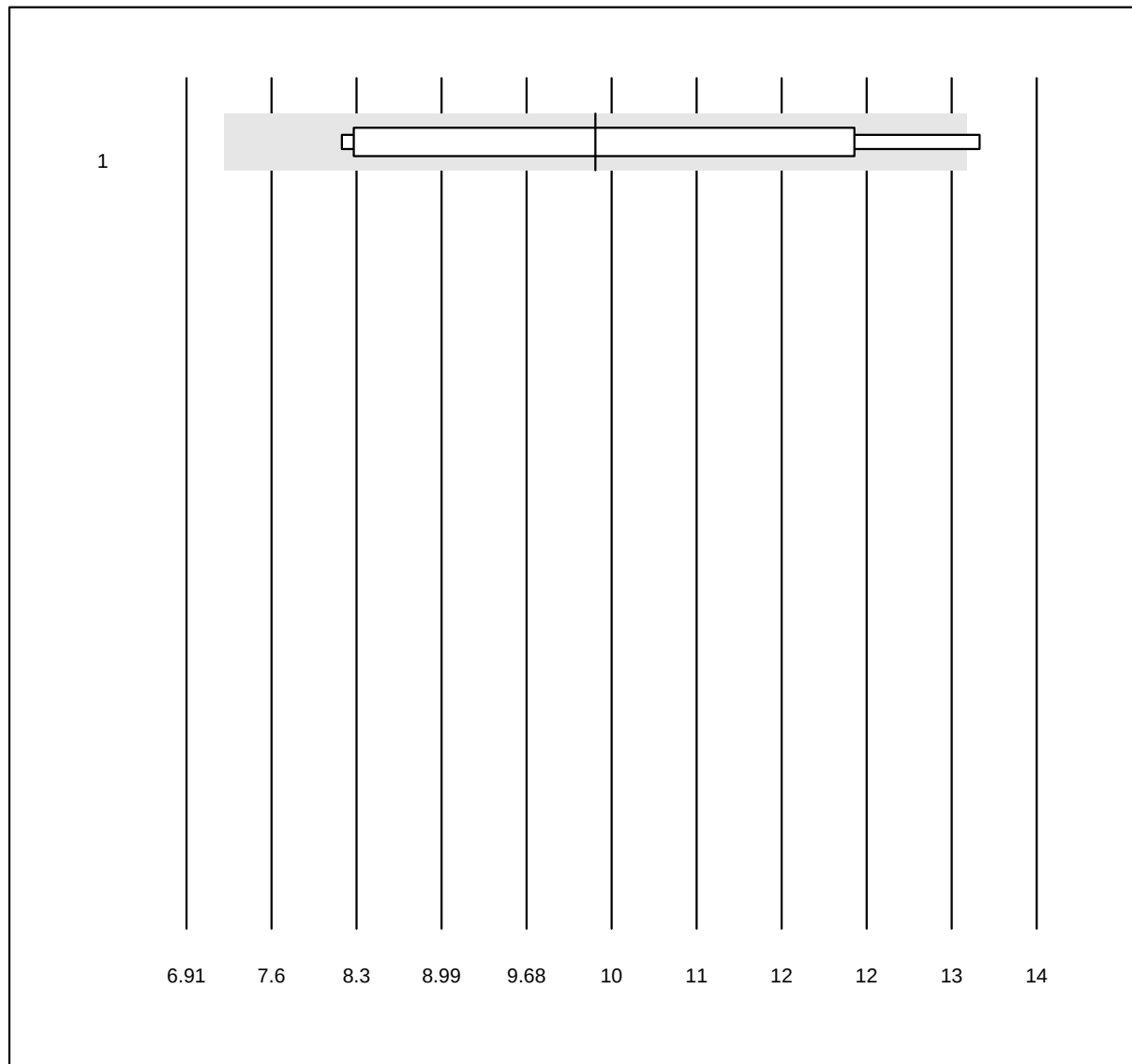
QUALAB Toleranz: 30%

Myoglobin (µg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Cobas E / Elecsys	10	100.0	0.0	0.0	75.1	2.1	e
2 Other methods	4	100.0	0.0	0.0	84.0	4.0	e

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

17-OH-Progesteron



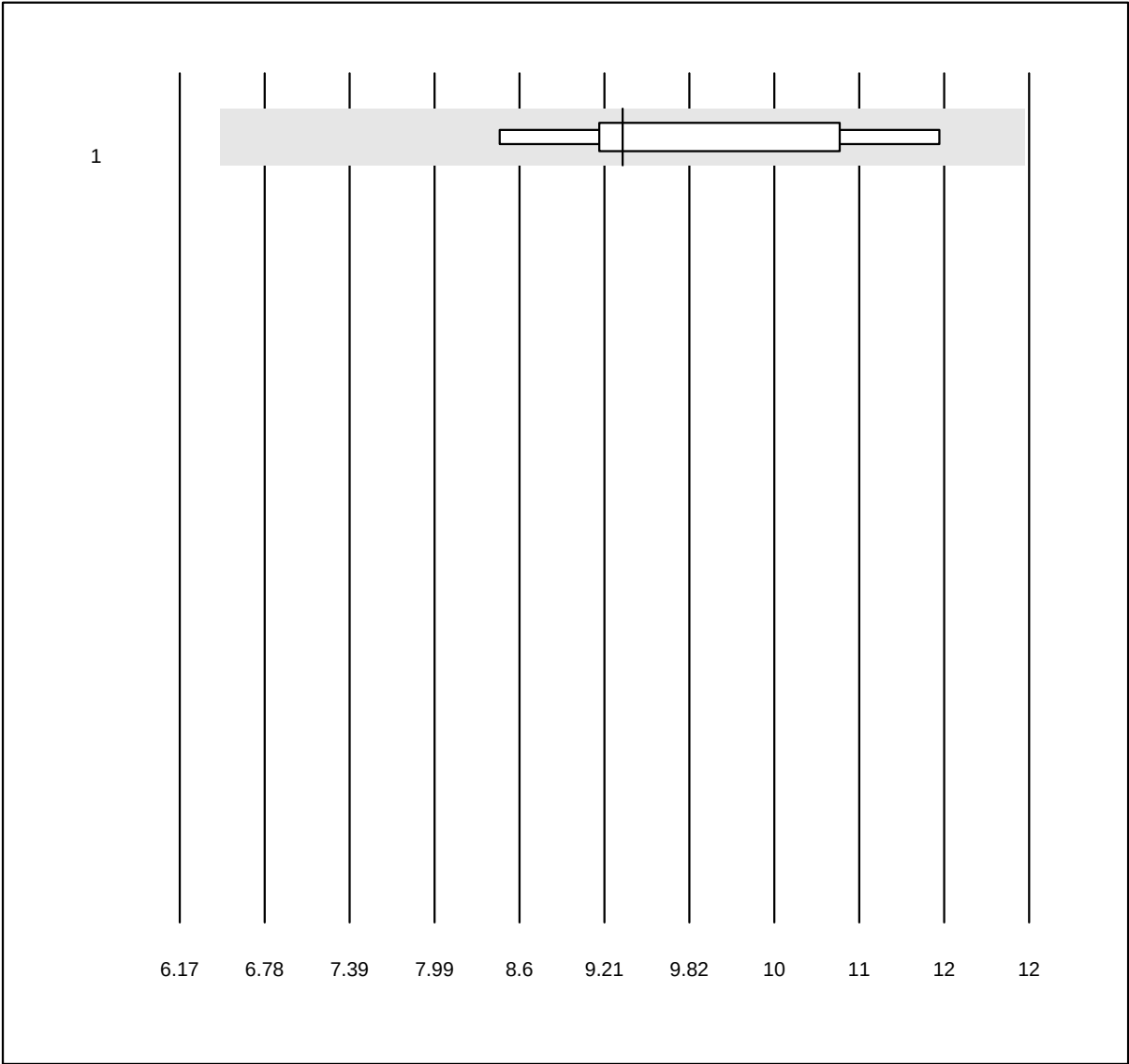
MQ Toleranz: 30%

17-OH-Progesteron (nmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Other methods	5	100.0	0.0	0.0	10.3	20.4	e*

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

Androstendion



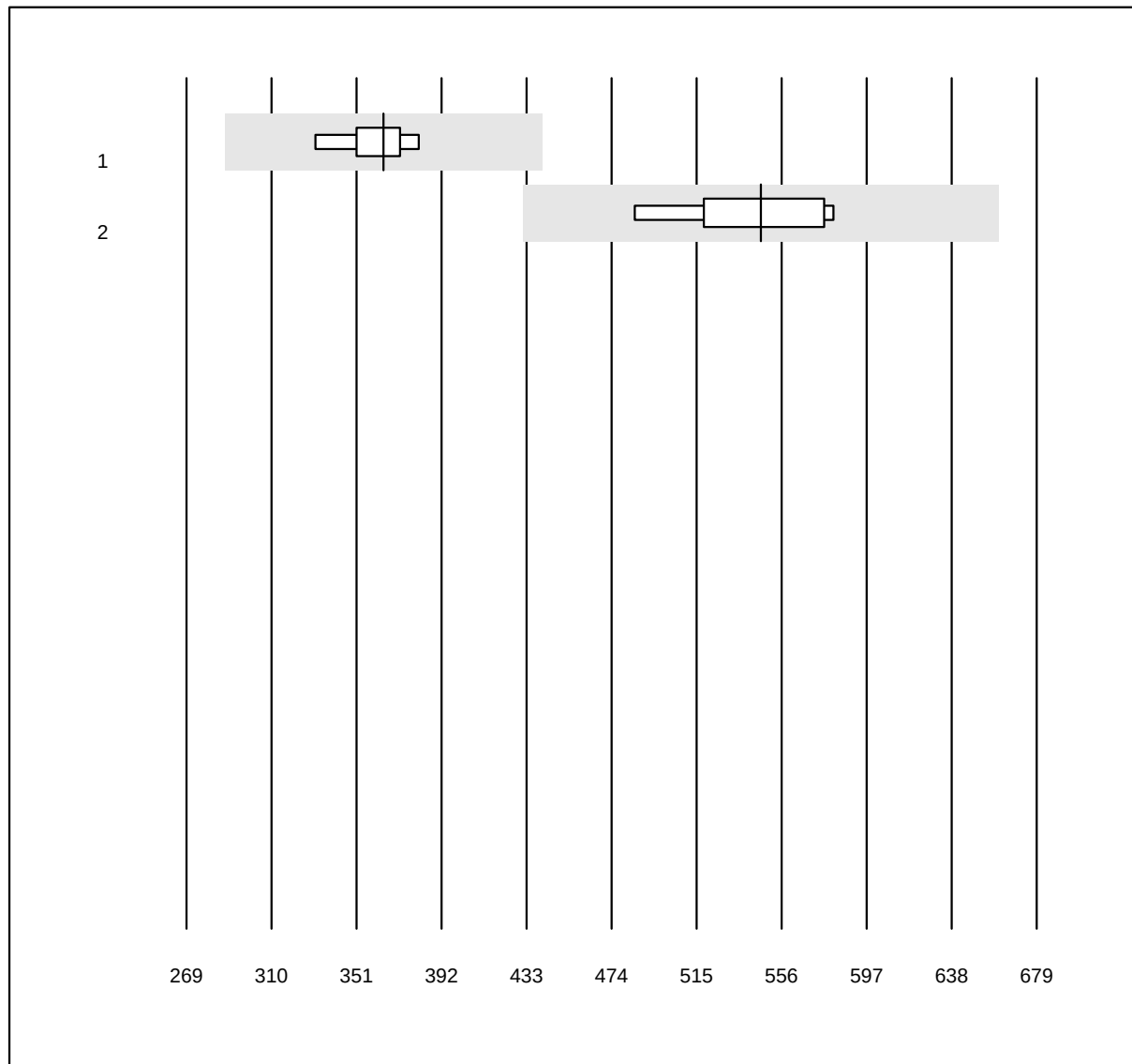
MQ Toleranz: 30%

Androstendion (nmol/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	7	100.0	0.0	0.0	9.2	10.5	e*

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

Beta-HCG total



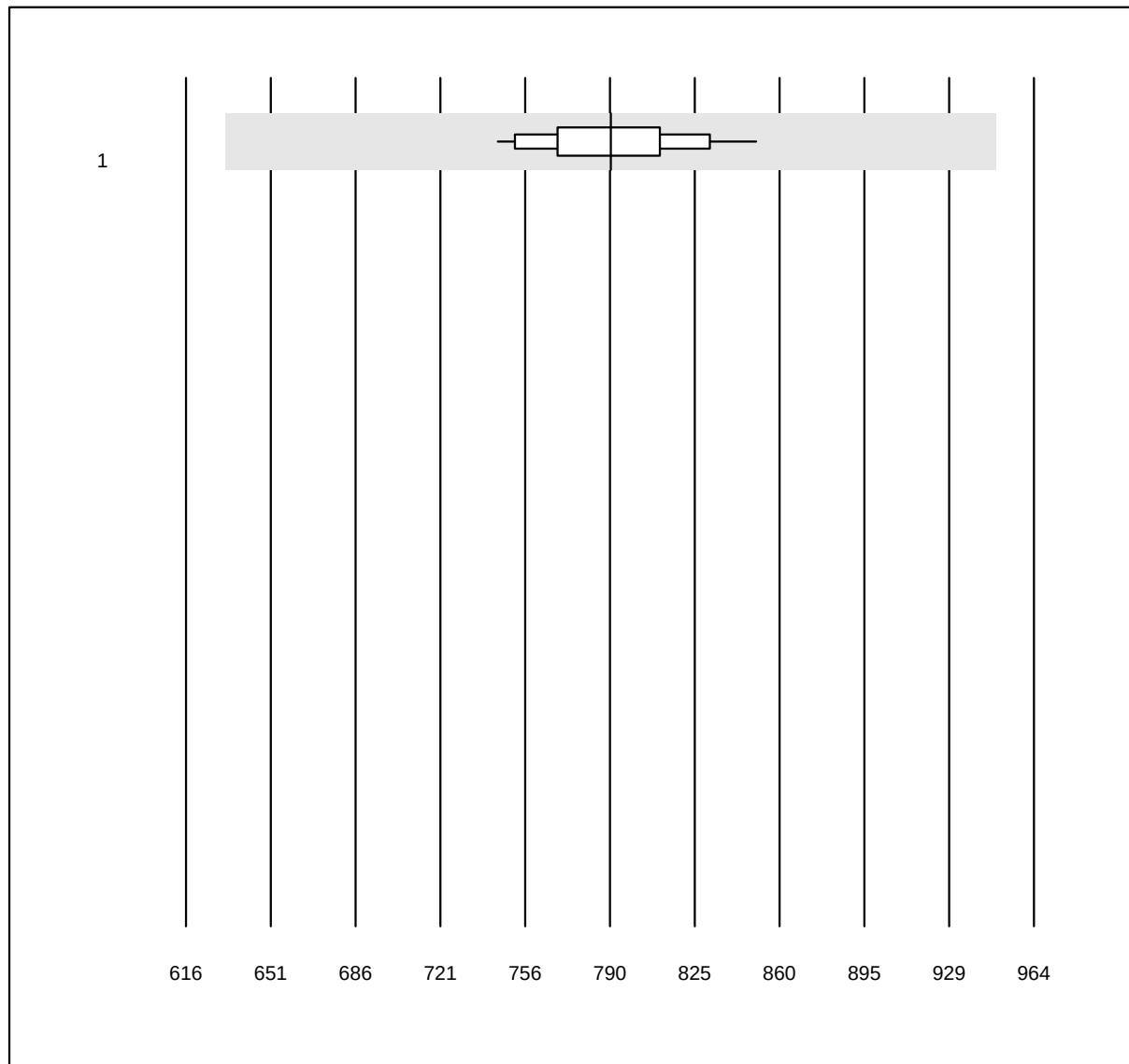
QUALAB Toleranz: 21%

Beta-HCG total (U/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	5	100.0	0.0	0.0	364.0	3.7	e
2	AFIAS	6	83.3	0.0	16.7	546.0	5.8	e

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

Cortisol



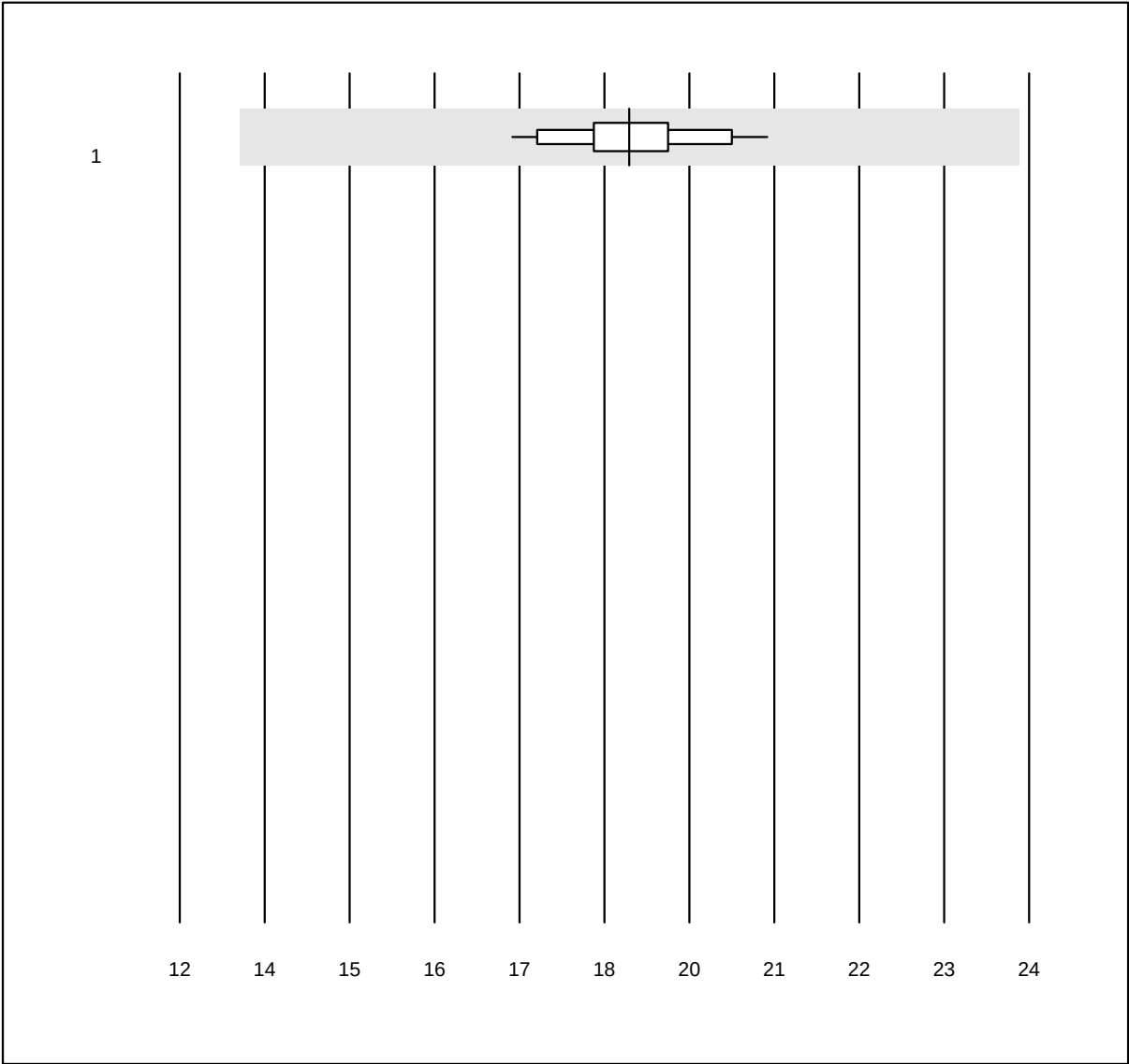
QUALAB Toleranz: 20%

Cortisol (nmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	26	100.0	0.0	0.0	790	3.6	e

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

DHEAS



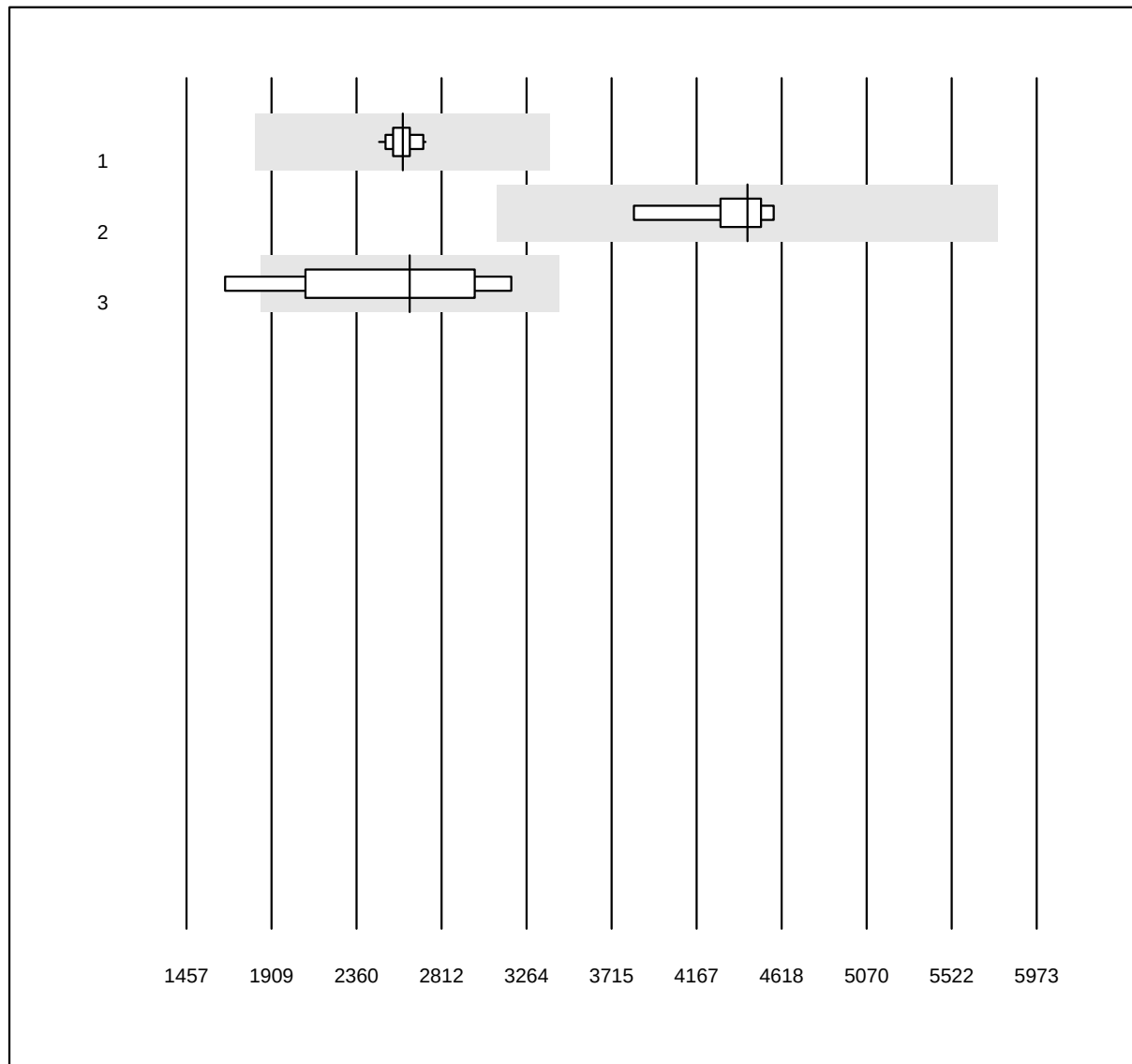
MQ Toleranz: 30%

DHEAS (μmol/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	14	100.0	0.0	0.0	18.35	4.9	e

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

Estradiol



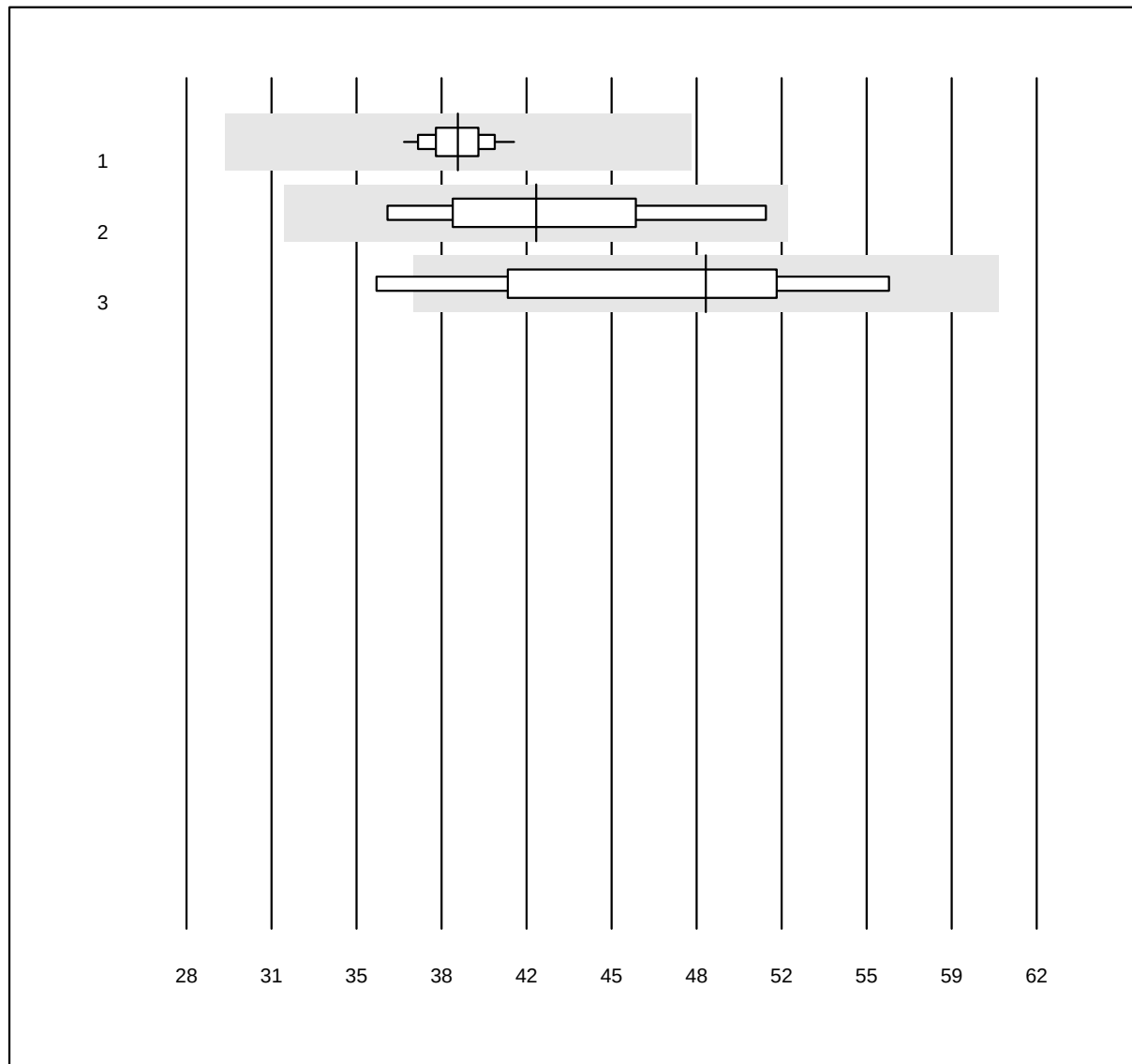
QUALAB Toleranz: 30%

Estradiol (pmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	17	100.0	0.0	0.0	2606	2.5	e
2 Siemens	8	100.0	0.0	0.0	4437	5.1	e
3 Other methods	5	100.0	0.0	0.0	2642	19.1	e*

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

Follicle-stimulating hormone

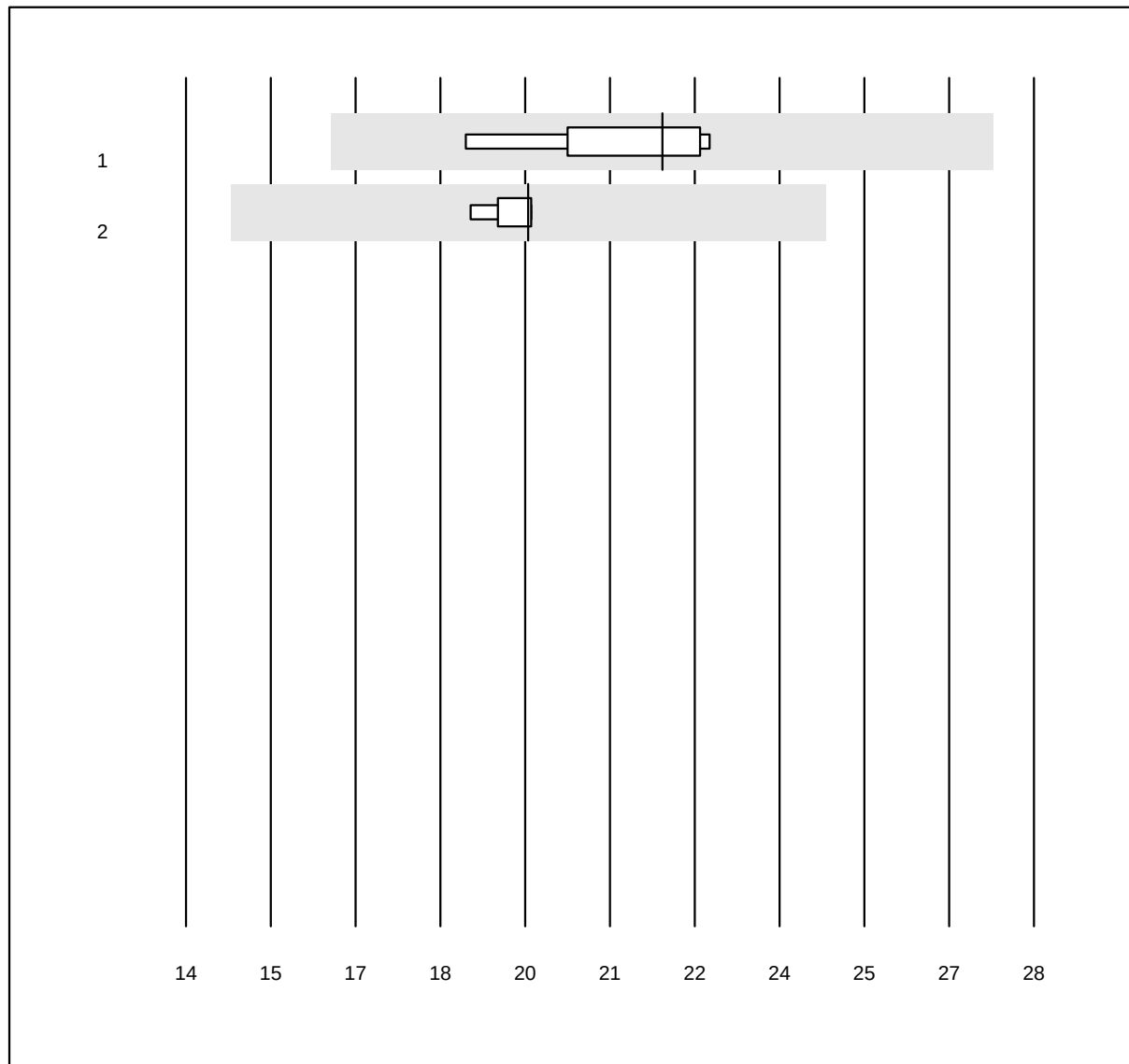


QUALAB Toleranz: 24%

Follicle-stimulating hormone
(U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	16	100.0	0.0	0.0	38.9	2.9	e
2 ADVIA Centaur XP/CP	5	100.0	0.0	0.0	42.0	10.2	e*
3 Other methods	5	80.0	0.0	20.0	48.8	12.4	e*

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

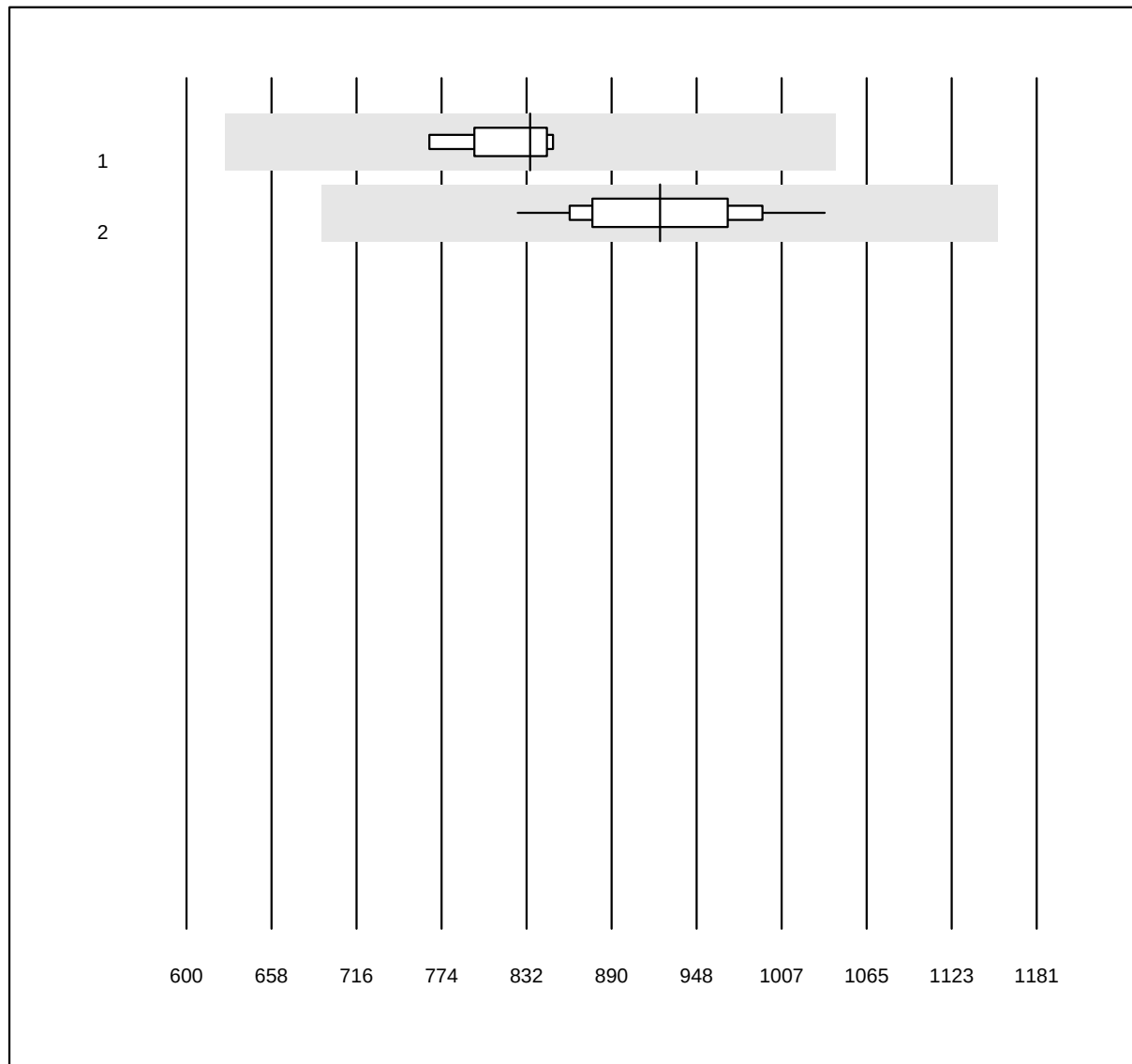
HGH

MQ Toleranz: 25%

HGH (µg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Other methods	7	85.7	0.0	14.3	21.87	6.1	e
2 Liaison	4	100.0	0.0	0.0	19.65	1.7	e

Insulin



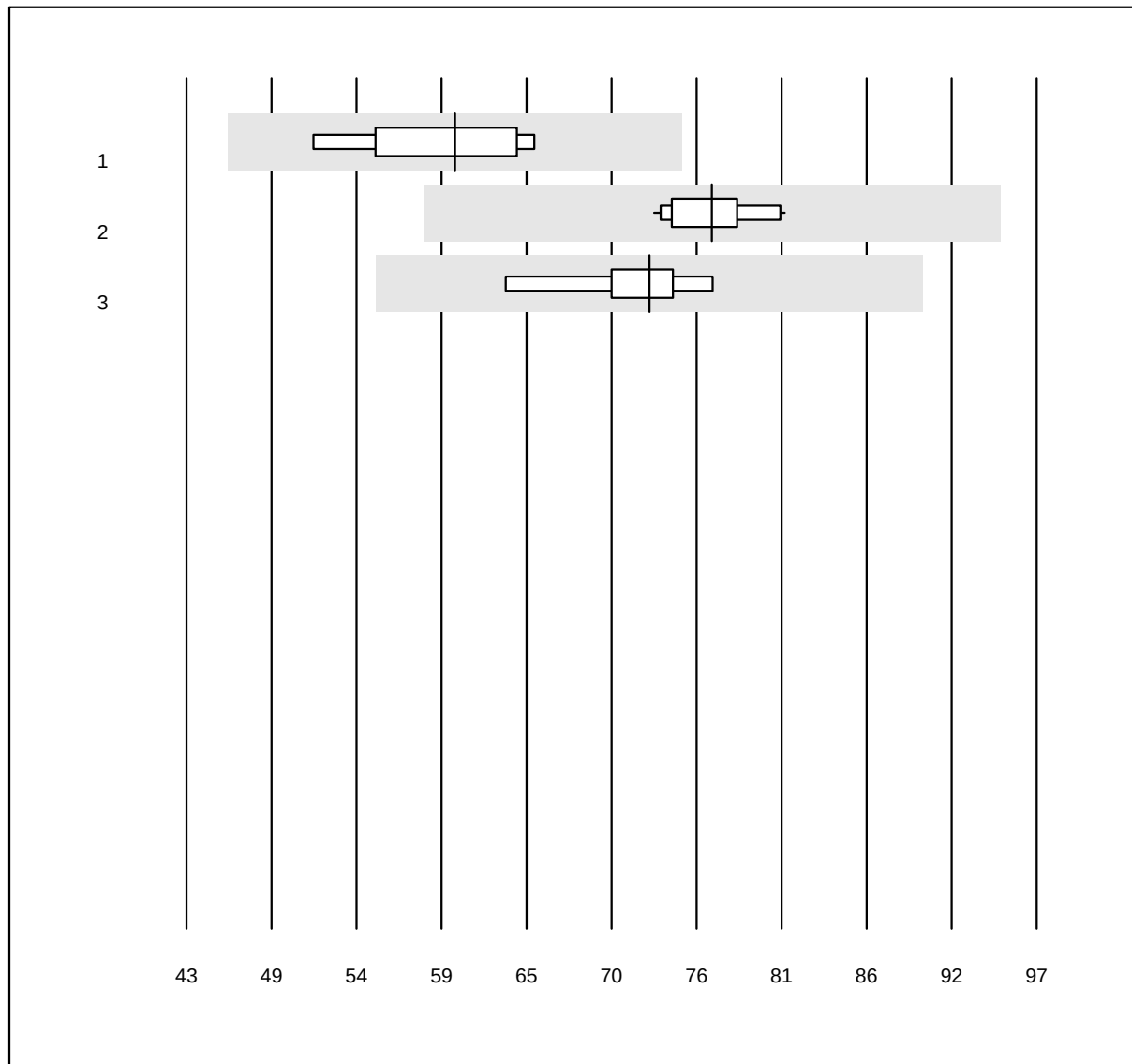
MQ Toleranz: 25%

Insulin (pmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	4	100.0	0.0	0.0	835	3.3	e
2 Roche	20	100.0	0.0	0.0	924	5.9	e

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

Luteinizing hormone



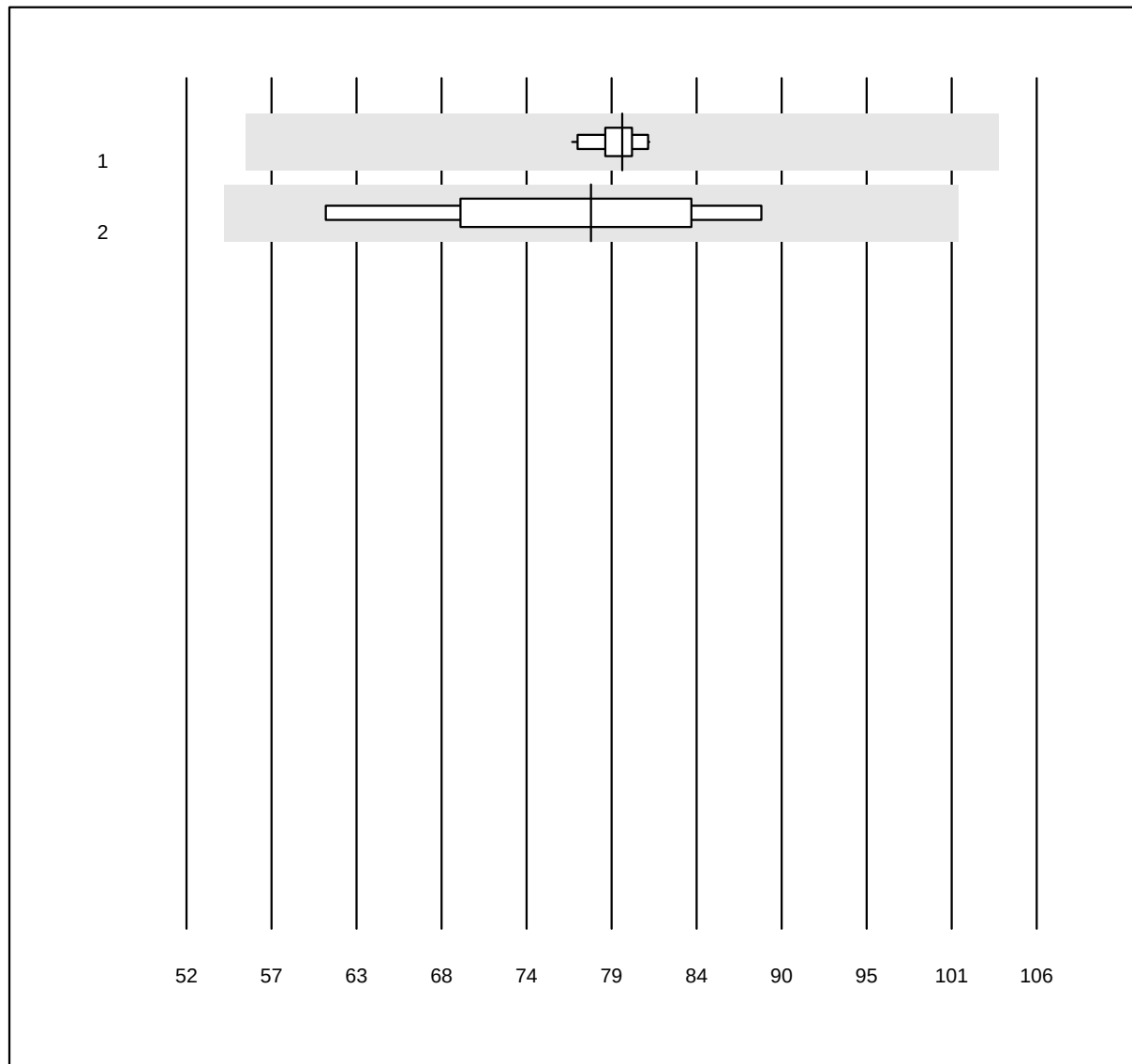
QUALAB Toleranz: 24%

Luteinizing hormone (U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	5	100.0	0.0	0.0	60.1	8.0	e*
2 Roche	16	100.0	0.0	0.0	76.4	3.4	e
3 Siemens	7	100.0	0.0	0.0	72.4	5.1	e

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

Progesteron



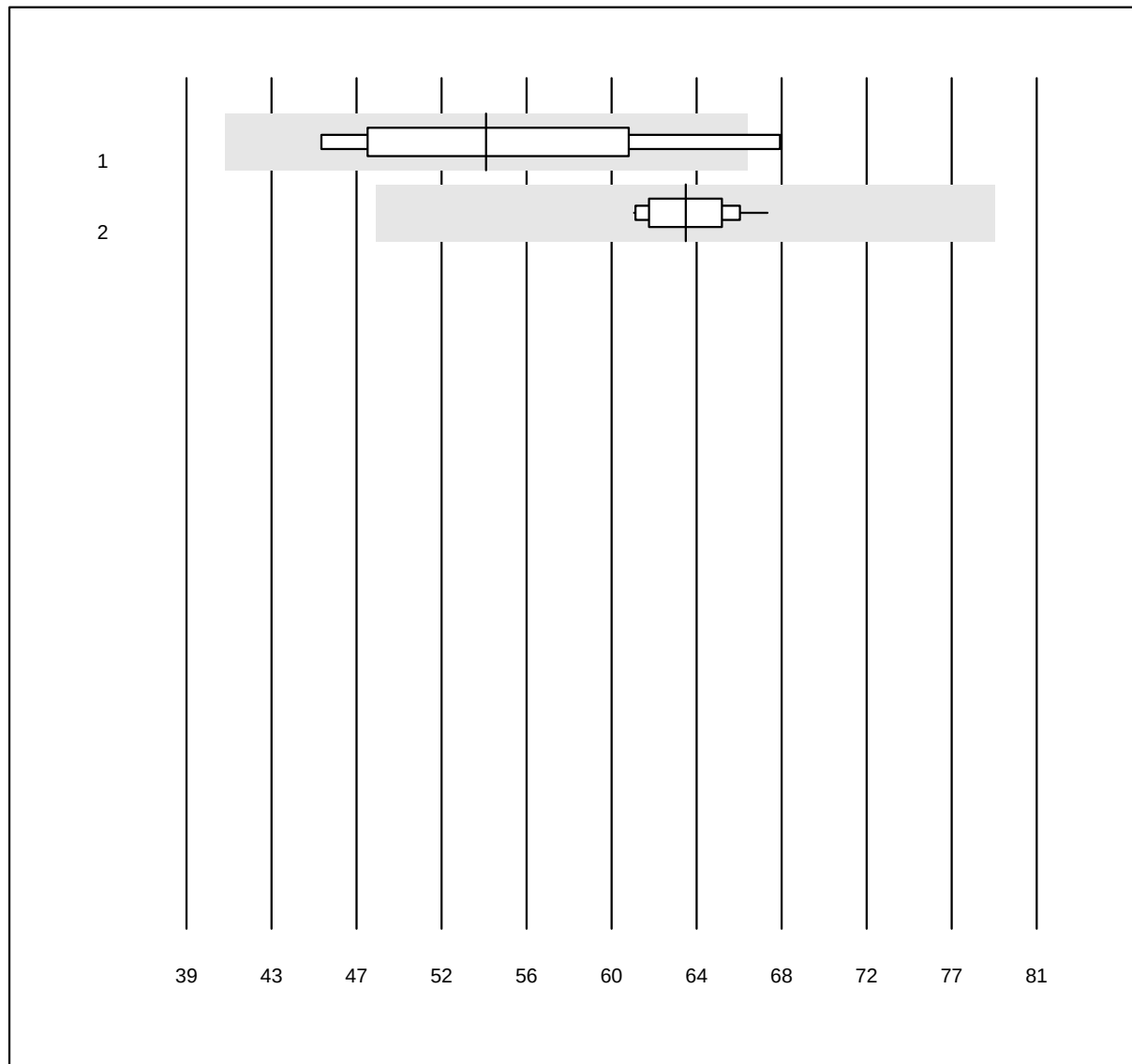
MQ Toleranz: 30%

Progesteron (nmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	11	100.0	0.0	0.0	79.7	1.7	e
2 Other methods	5	100.0	0.0	0.0	77.7	10.7	e*

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

Prolactin (PRL)

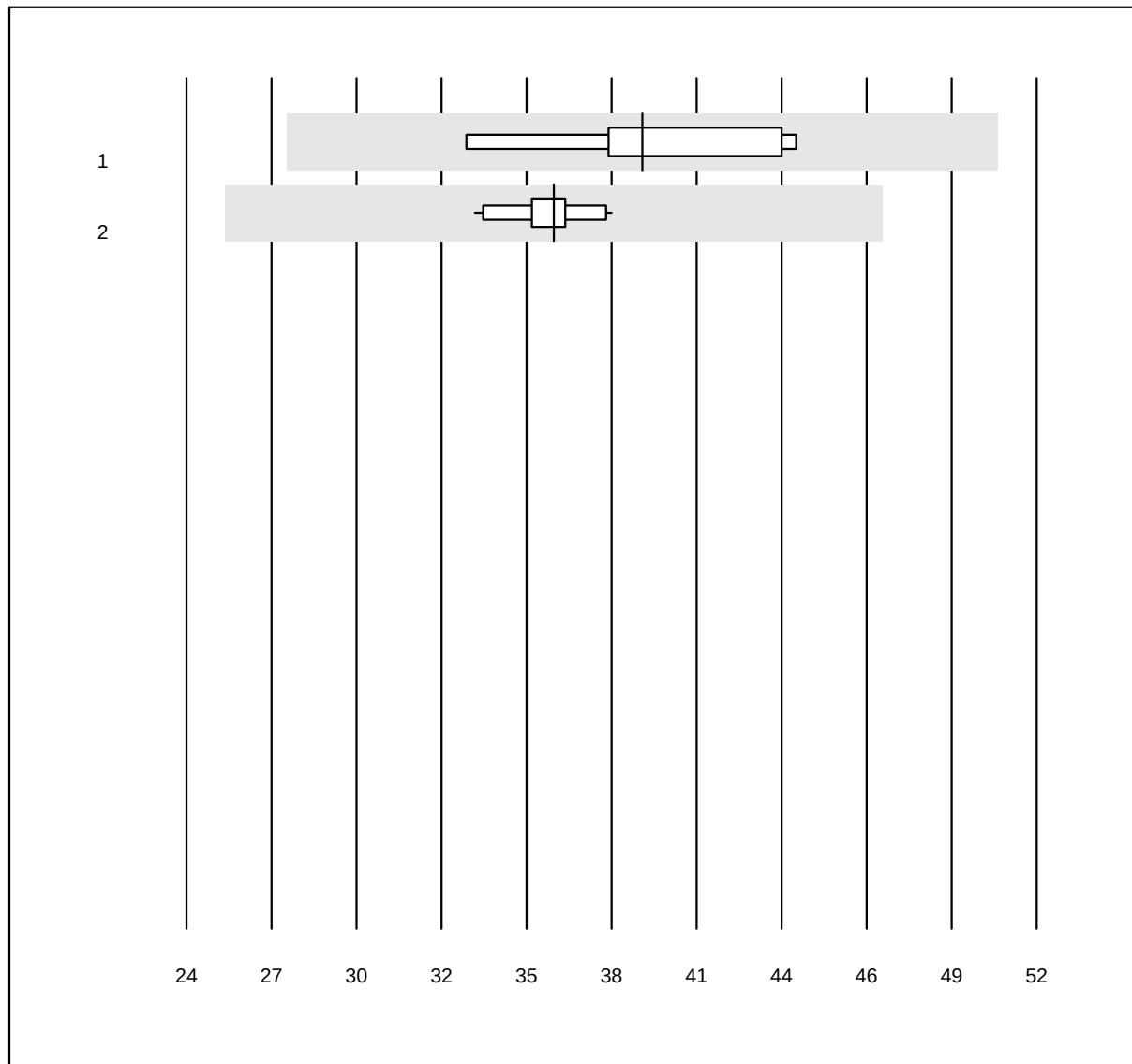


QUALAB Toleranz: 24%

Prolactin (PRL) (µg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	5	100.0	0.0	0.0	53.8	13.1	d*
2 Cobas/Roche	17	100.0	0.0	0.0	63.7	3.1	e

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

SHBG

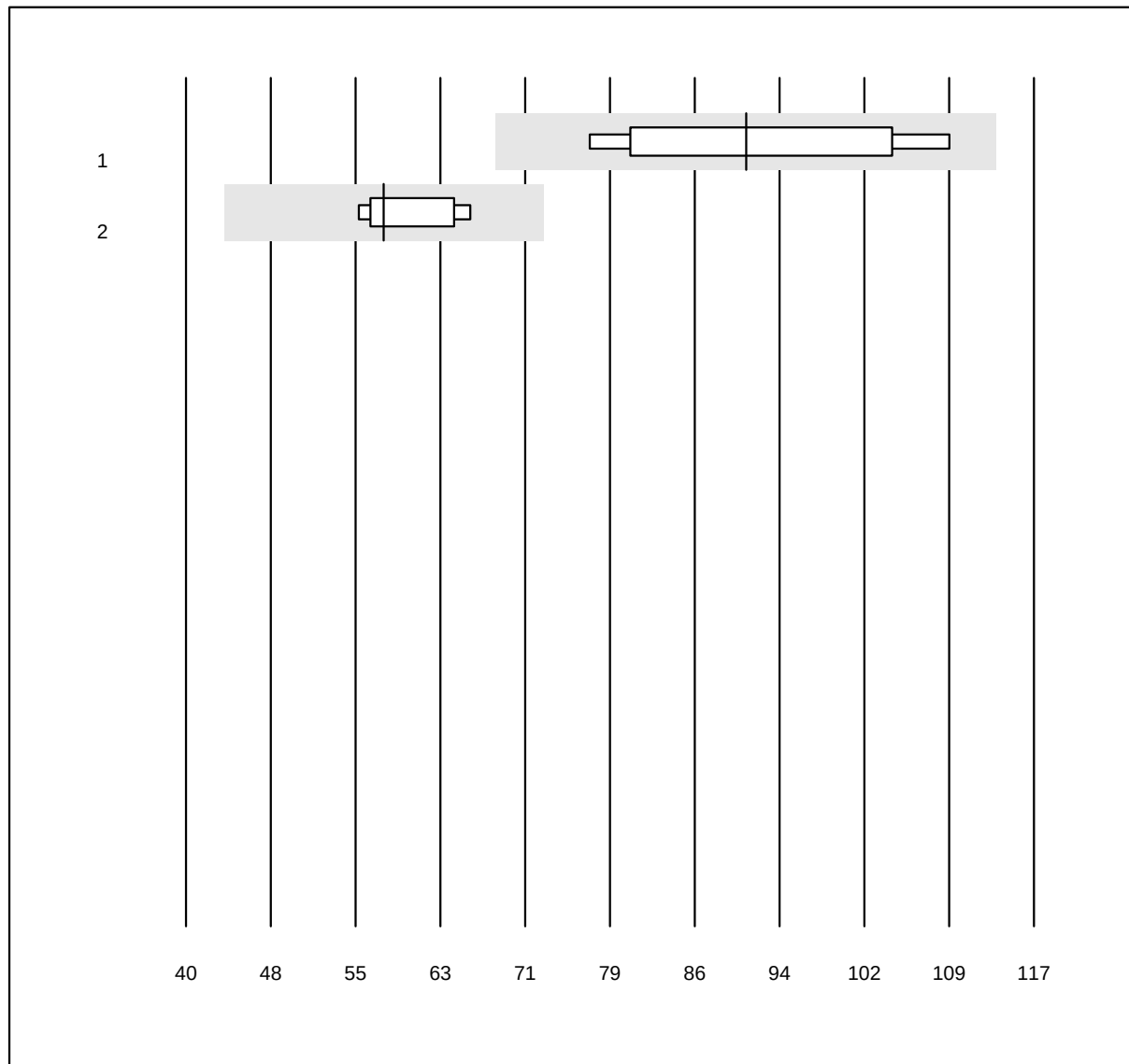
MQ Toleranz: 30%

SHBG (nmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	7	100.0	0.0	0.0	39.0	8.8	e
2 Roche	18	100.0	0.0	0.0	36.1	3.3	e

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

IGF-1

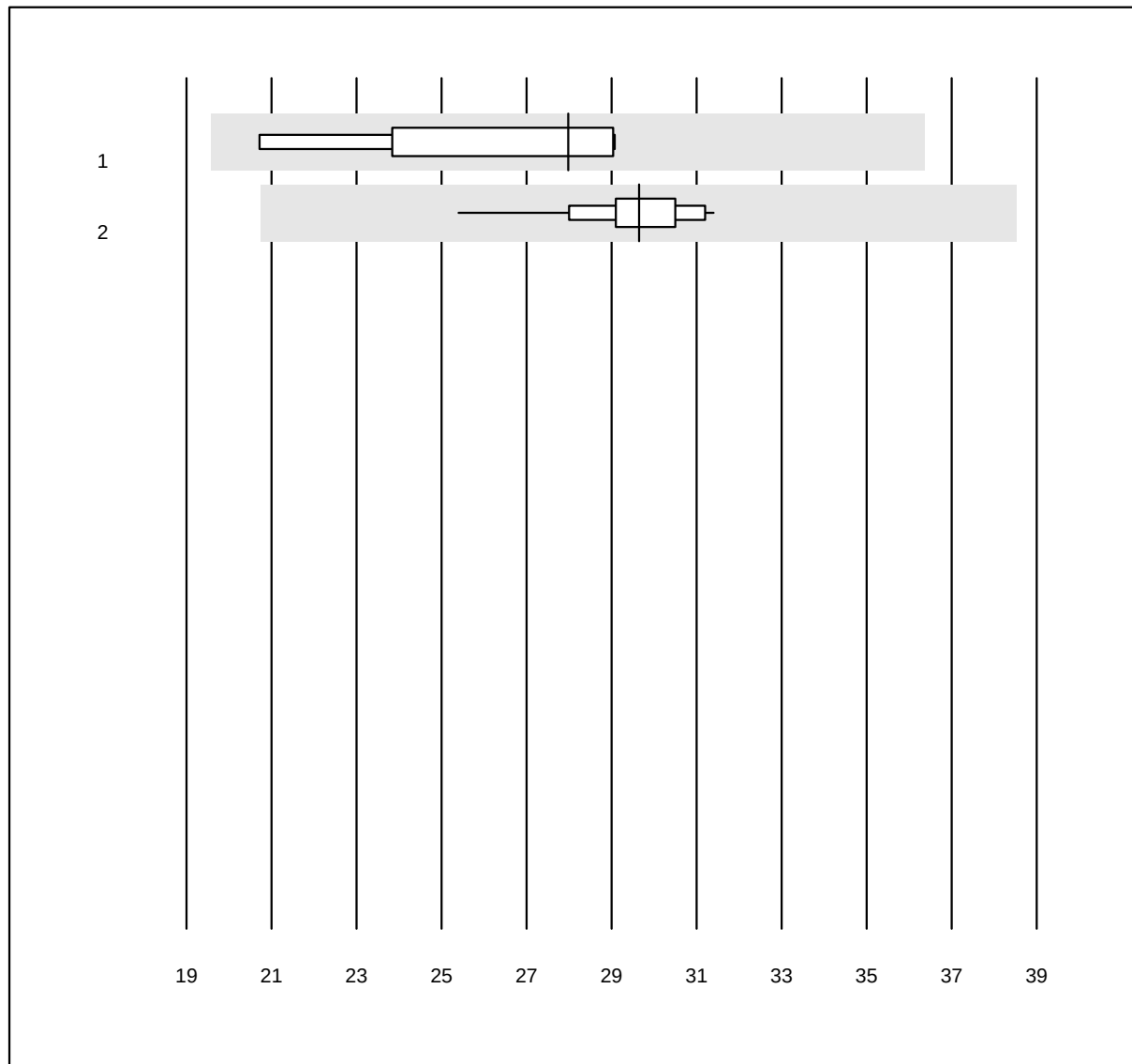


MQ Toleranz: 25%

IGF-1 (µg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Liaison	8	100.0	0.0	0.0	91	13.1	e*
2 Other methods	6	100.0	0.0	0.0	58	6.7	e

Testosterone



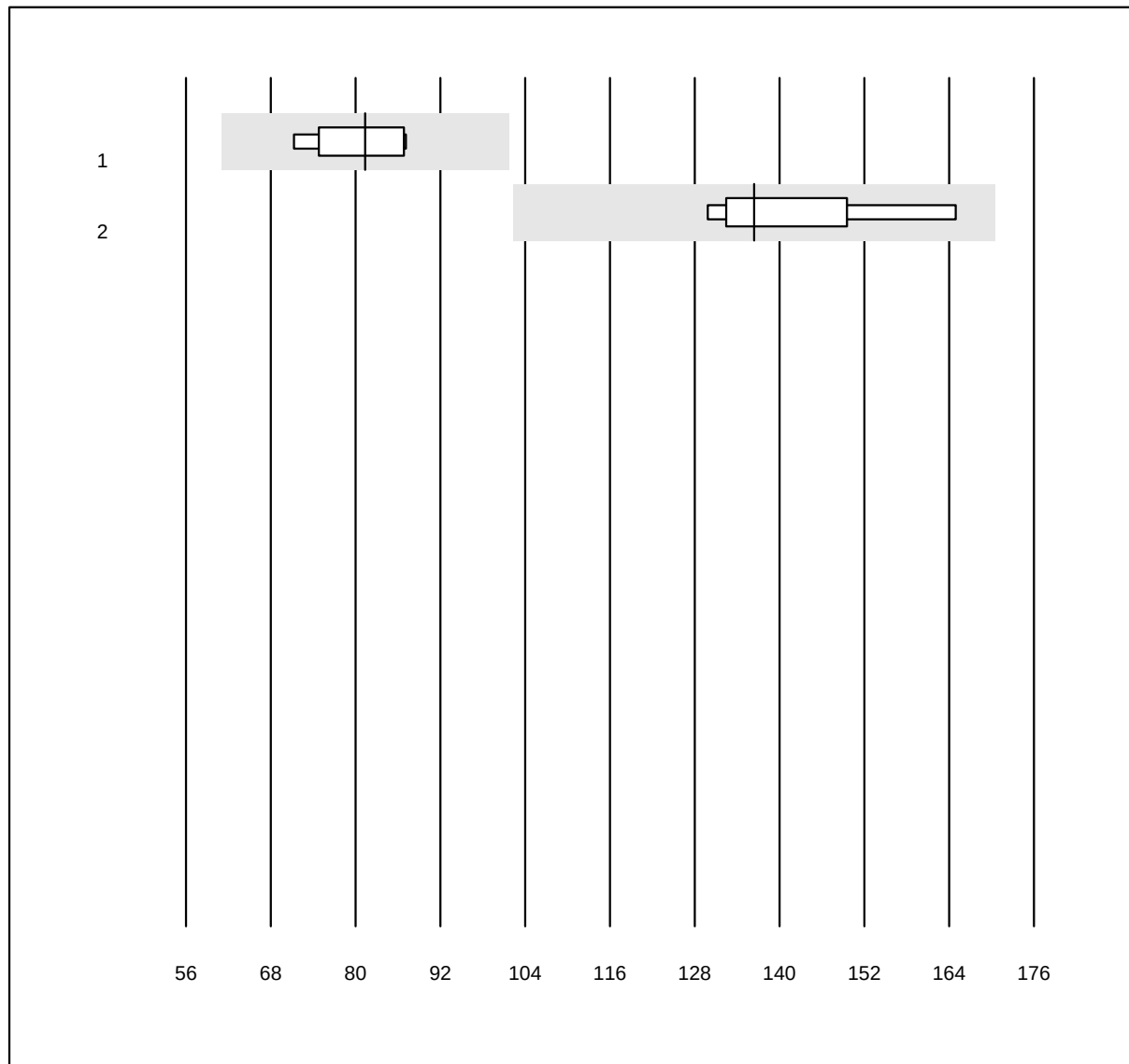
QUALAB Toleranz: 30%

Testosterone (nmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	4	100.0	0.0	0.0	28.0	10.9	e*
2 Roche	19	100.0	0.0	0.0	29.6	4.6	e

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

free testosterone

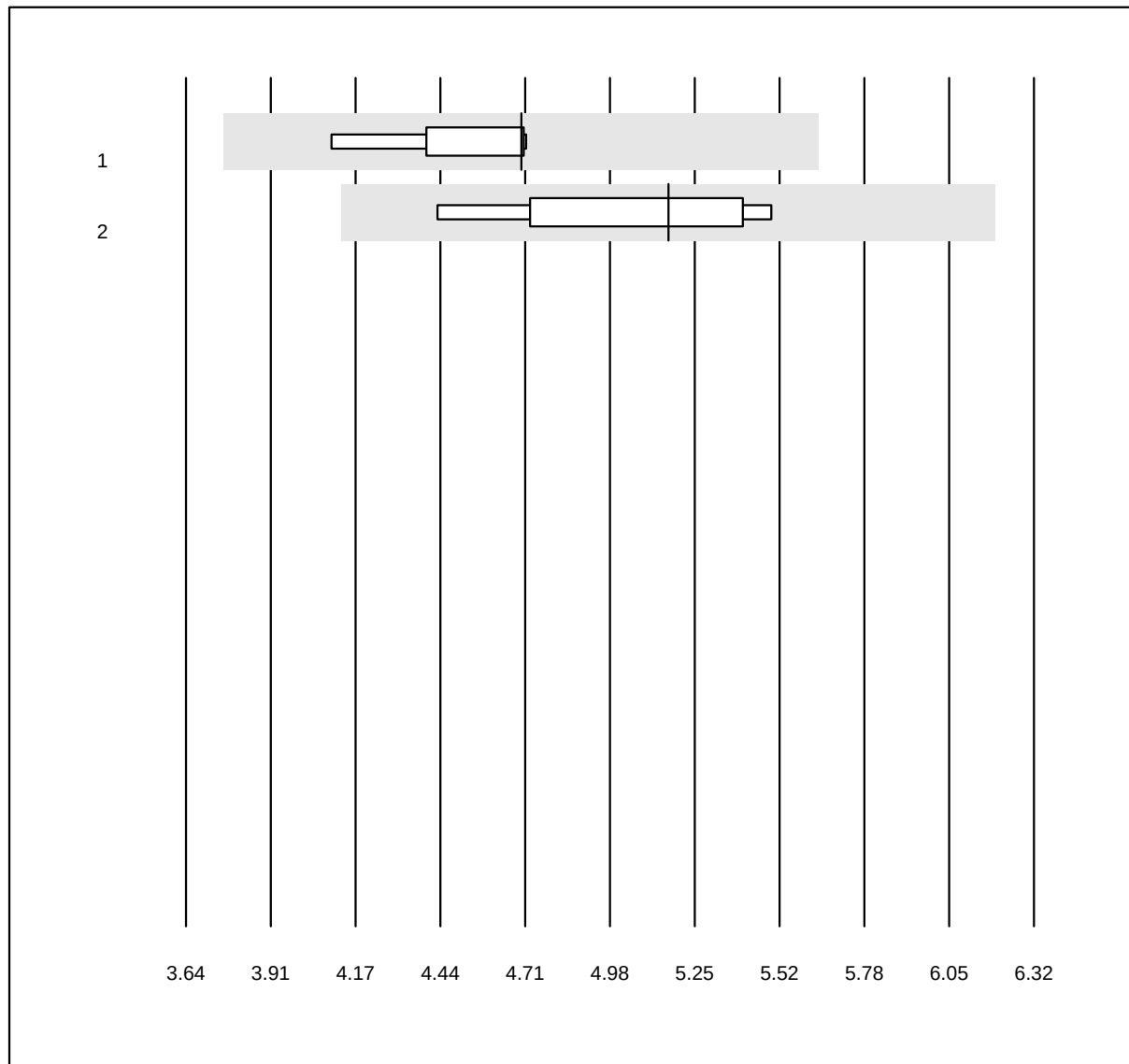


MQ Toleranz: 25%

free testosterone (pmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 IDS	5	100.0	0.0	0.0	81.4	7.6	e*
2 Other methods	5	100.0	0.0	0.0	136.4	7.8	e*

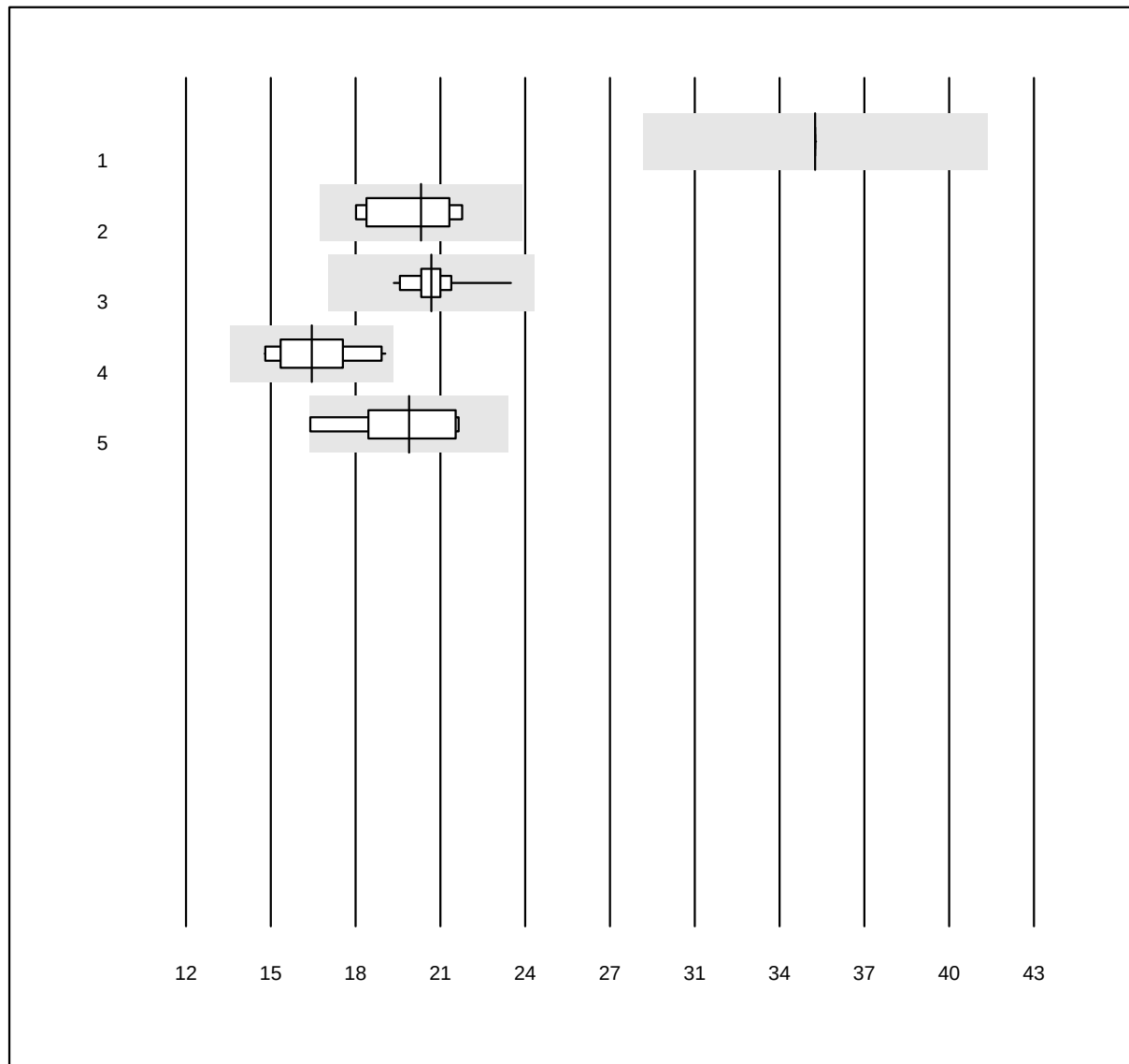
1 additional results were submitted but not published because the method groups were too small. (< results per group)

T3

MQ Toleranz: 20%

T3 (nmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	4	100.0	0.0	0.0	4.7	4.4	e
2 AFIAS	4	100.0	0.0	0.0	5.2	7.0	e*

FT3

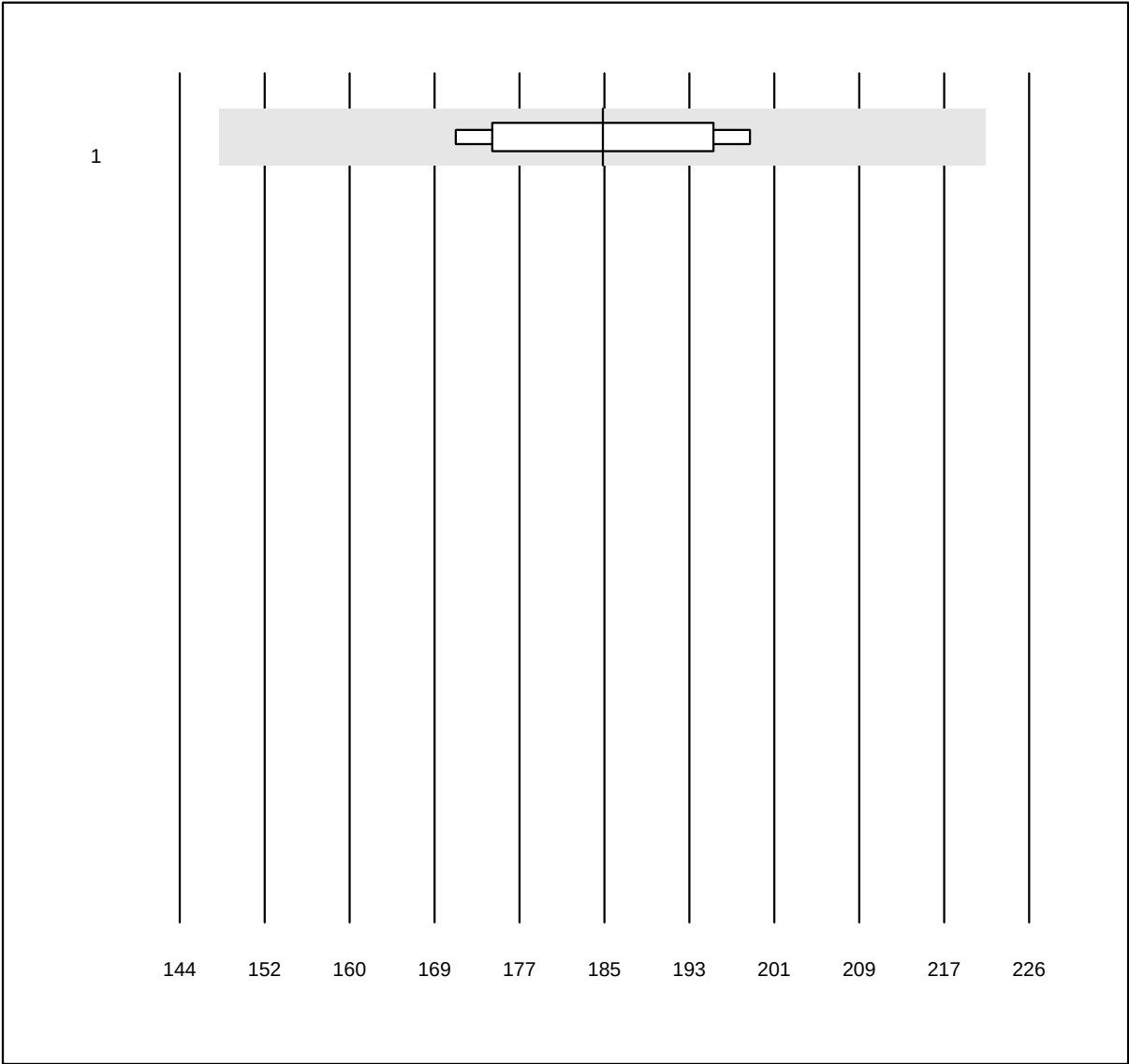
QUALAB Toleranz: 18%

FT3 (pmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Vitros	5	100.0	0.0	0.0	35.0	0.0	e
2 Abbott	7	100.0	0.0	0.0	20.6	7.5	e*
3 Roche	31	100.0	0.0	0.0	21.0	4.2	e
4 Siemens	10	100.0	0.0	0.0	16.6	8.2	e*
5 VIDAS	7	100.0	0.0	0.0	20.2	9.4	e*

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

T4

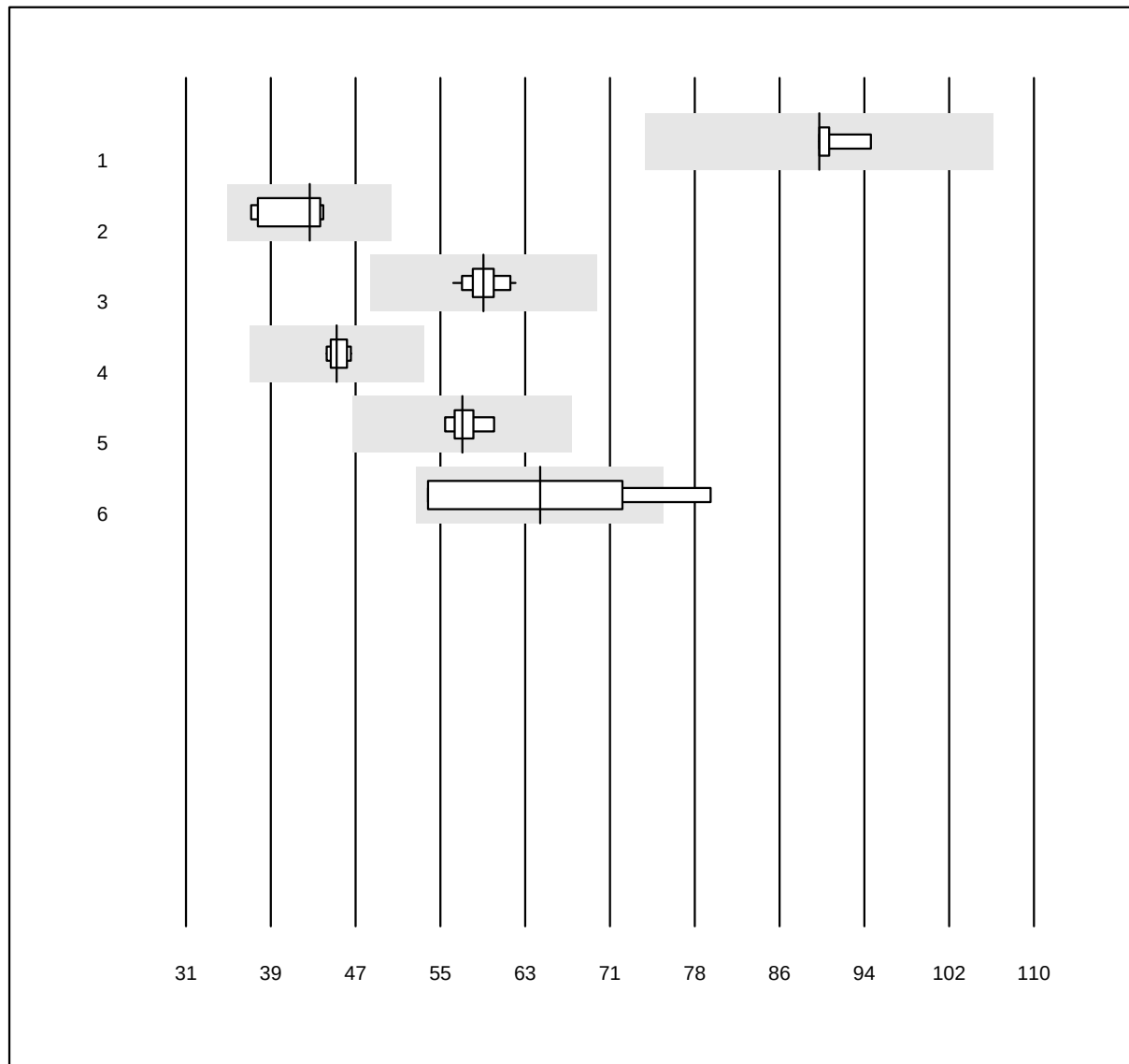


MQ Toleranz: 20%

T4 (nmol/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Abbott	4	100.0	0.0	0.0	185	6.1	e*

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

FT4

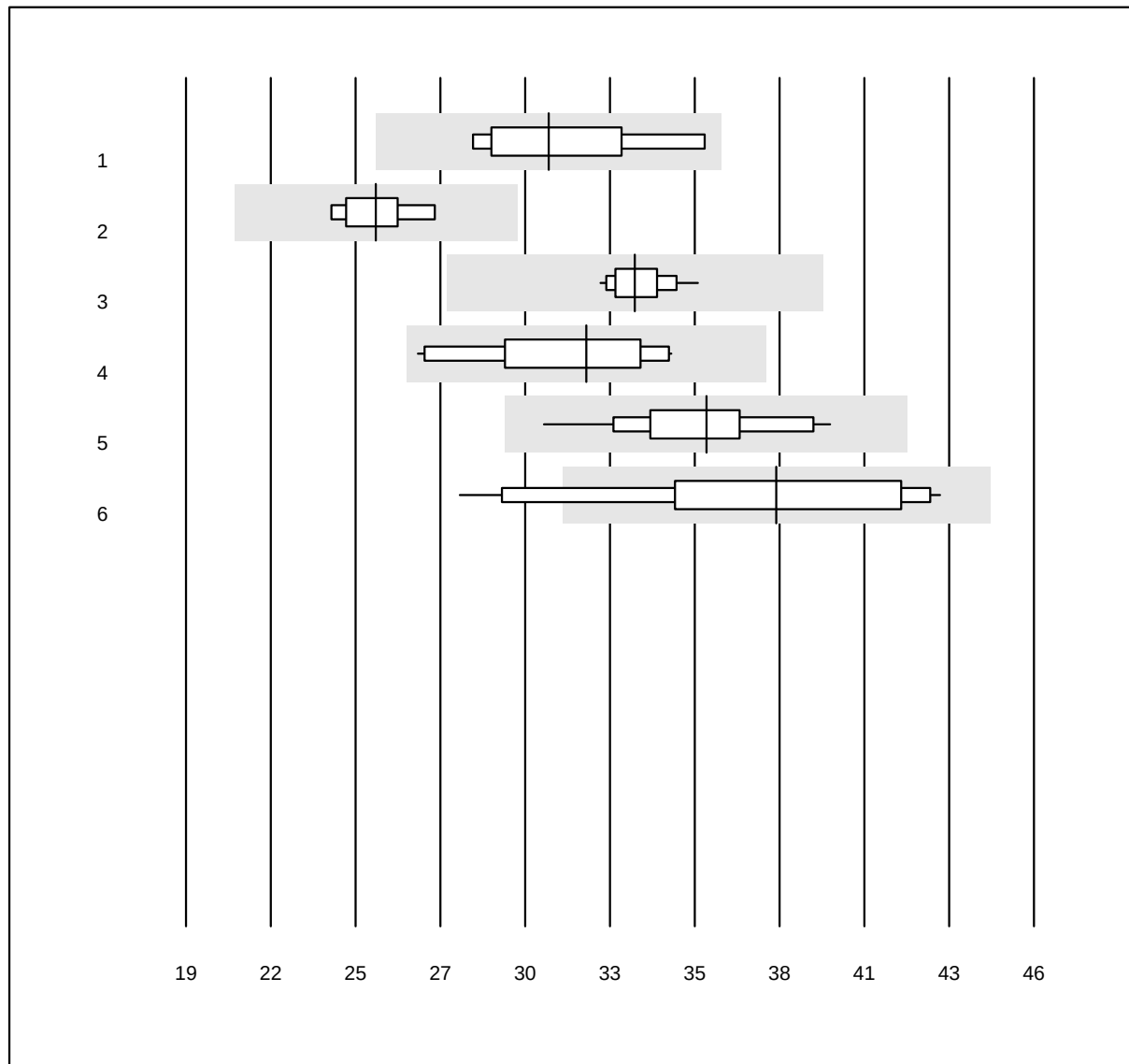
QUALAB Toleranz: 18%

FT4 (pmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Vitros	6	100.0	0.0	0.0	90.0	1.7	e
2 Abbott	7	85.7	0.0	14.3	42.5	6.9	e*
3 Roche	32	100.0	0.0	0.0	58.7	2.6	e
4 Siemens	10	100.0	0.0	0.0	45.0	1.8	e
5 VIDAS	8	100.0	0.0	0.0	56.8	2.3	e
6 Other methods	4	100.0	0.0	0.0	64.0	16.2	a*

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

TSH



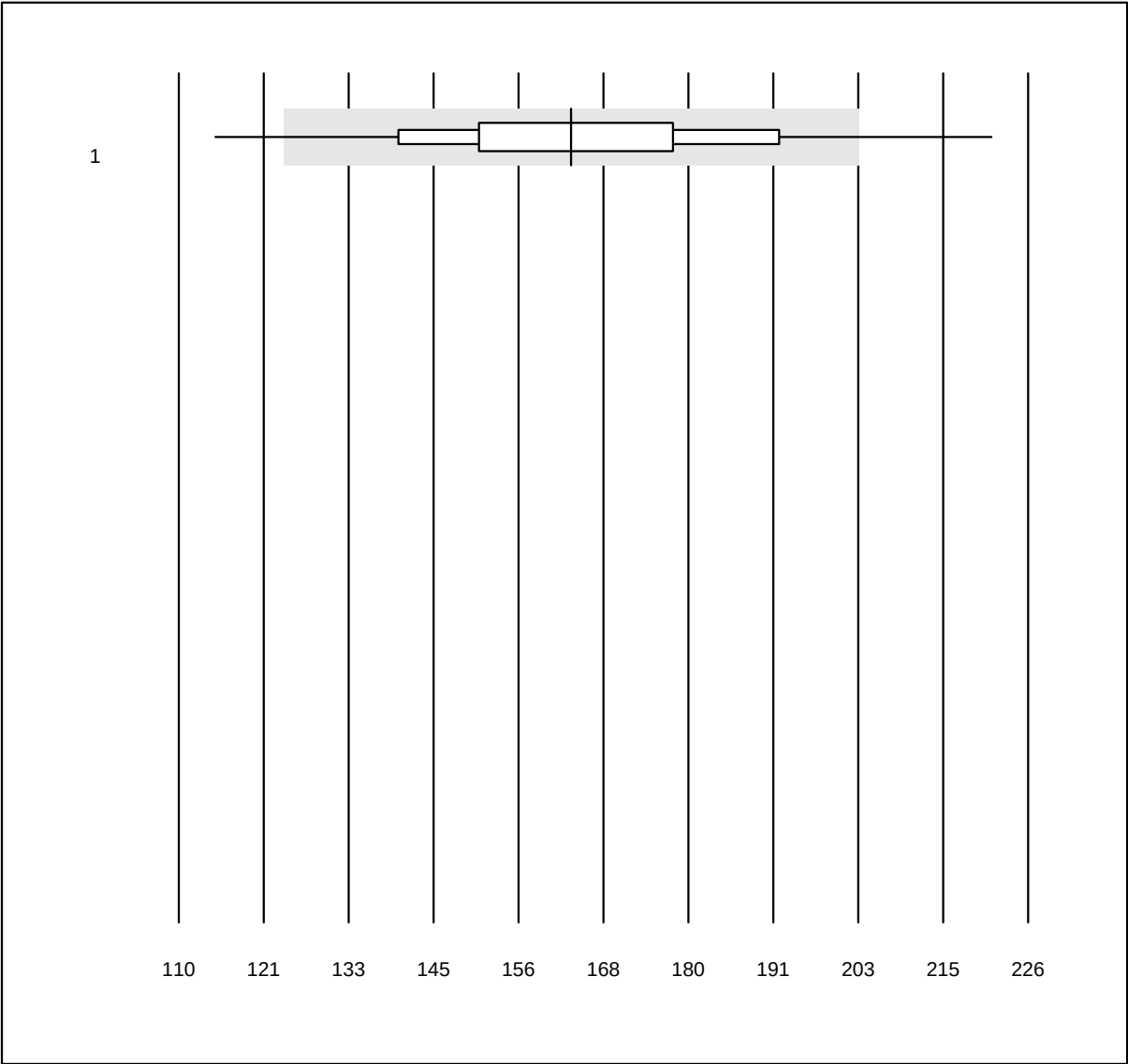
QUALAB Toleranz: 18%

TSH (mU/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Vitros	5	100.0	0.0	0.0	30.55	7.6	e*
2 Abbott	7	100.0	0.0	0.0	25.04	4.2	e
3 Roche	38	100.0	0.0	0.0	33.29	2.5	e
4 Siemens	10	100.0	0.0	0.0	31.75	8.3	e*
5 VIDAS	16	100.0	0.0	0.0	35.57	6.4	e
6 AFIAS	12	91.7	8.3	0.0	37.80	12.4	e*

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

Troponin T CR

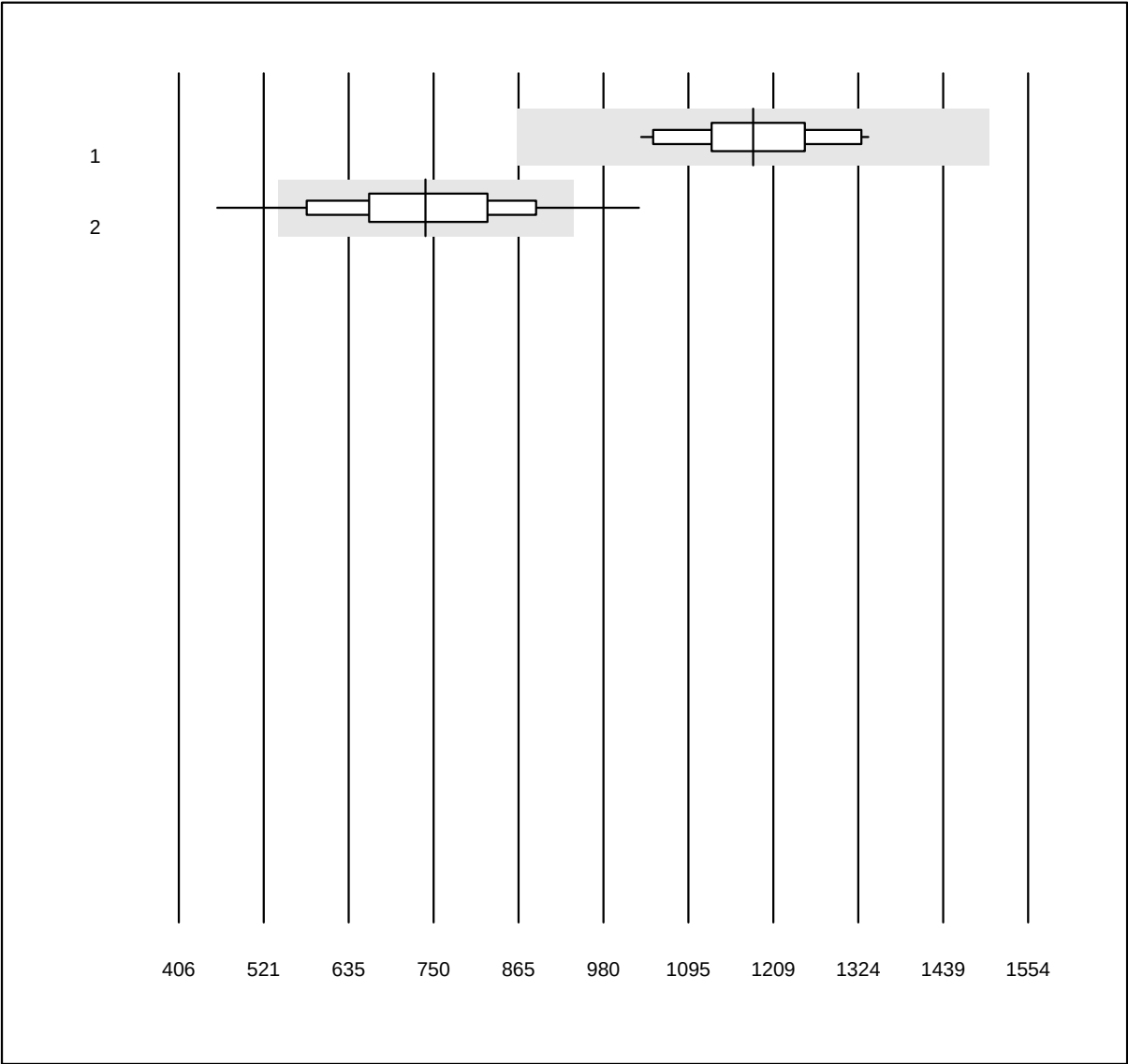


MQ Toleranz: 24%

Troponin T CR (ng/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Cobas h 232	229	90.4	7.4	2.2	163.58	12.4	e

NT-proBNP CR

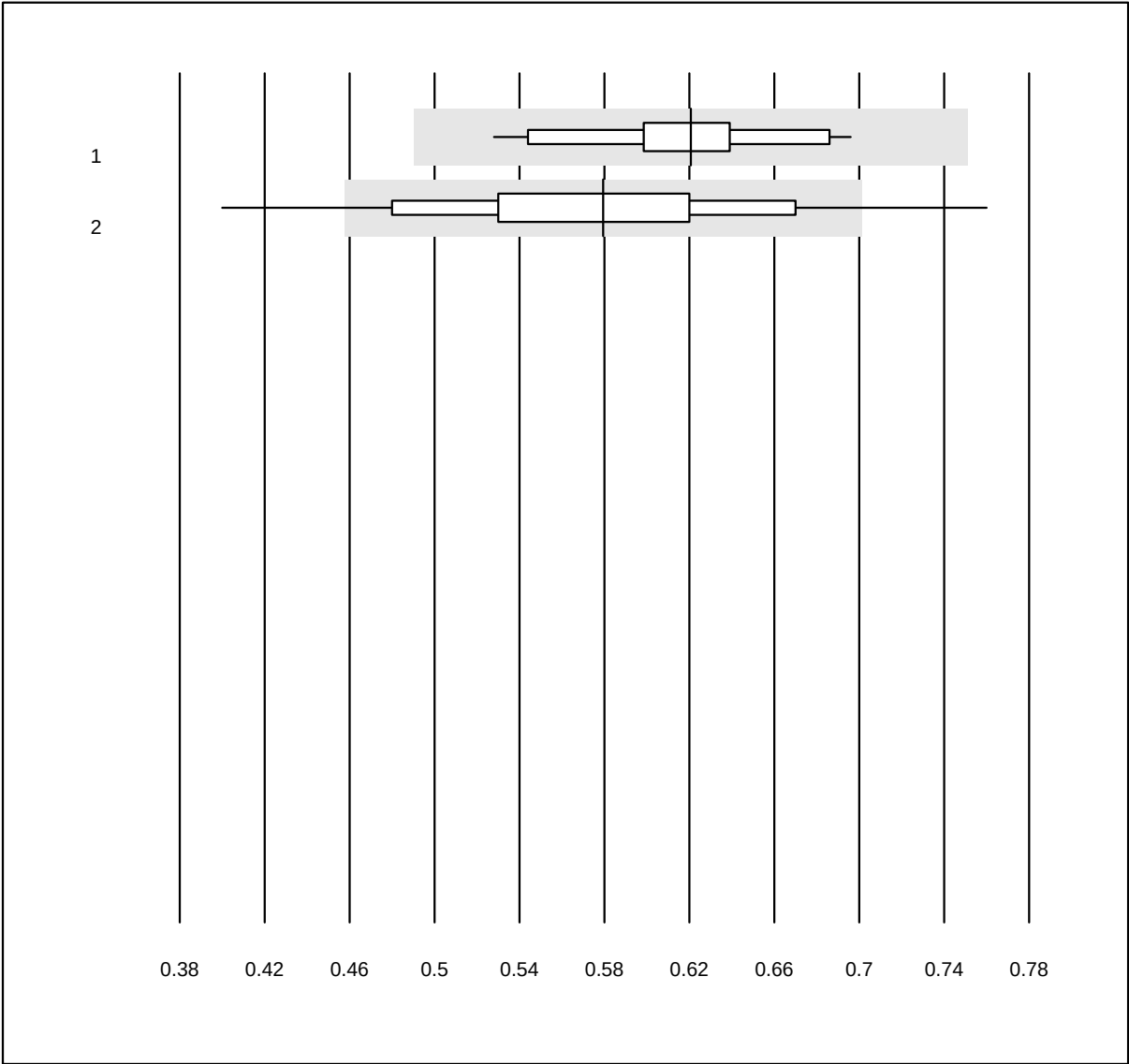


QUALAB Toleranz: 27%

NT-proBNP CR (ng/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Lumira Dx	13	92.3	0.0	7.7	1182	7.4	e
2 Cobas h 232	278	88.5	9.4	2.2	739	15.7	e

D-dimer CR

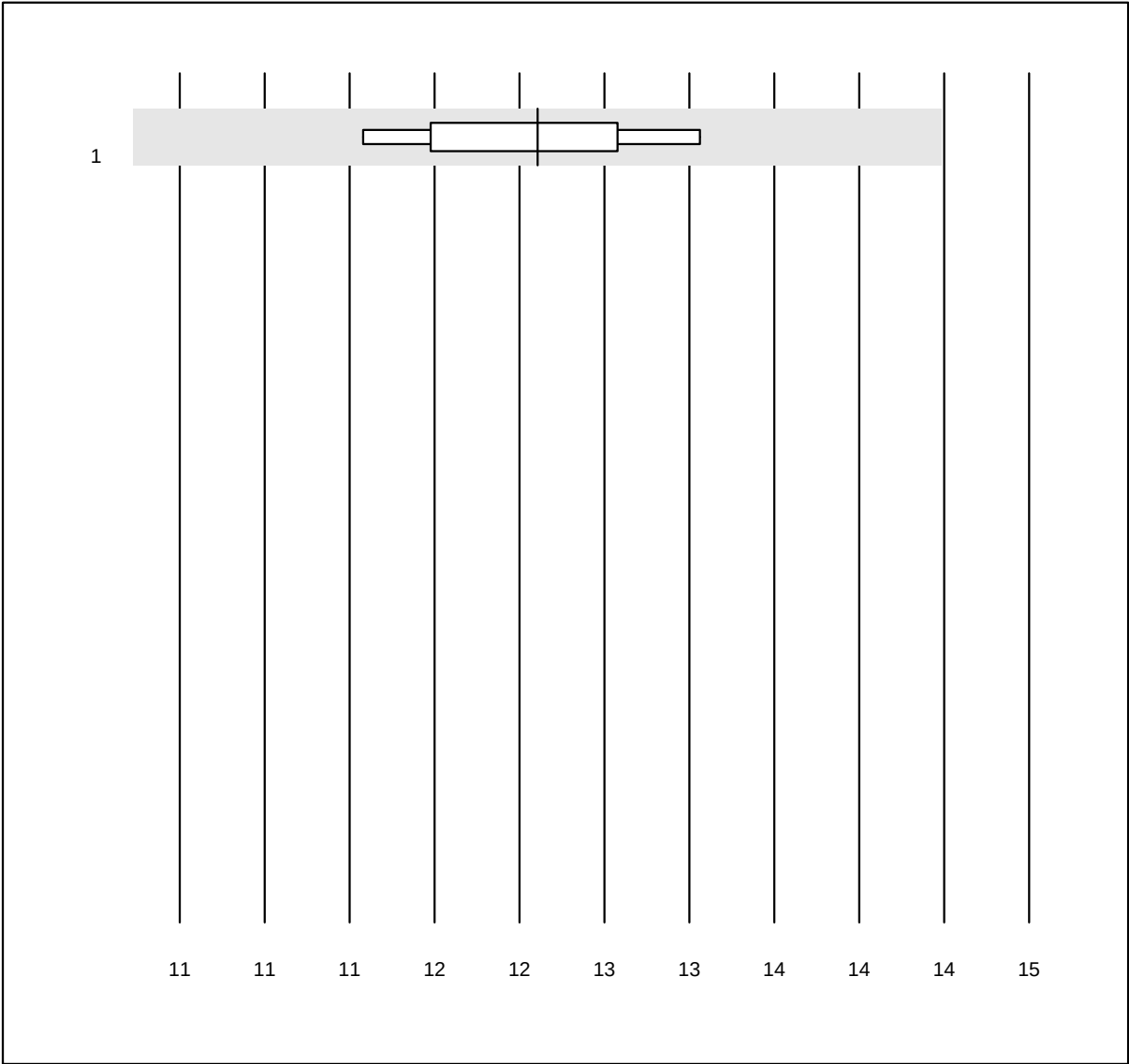


QUALAB Toleranz: 21%

D-dimer CR (mg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Lumira Dx	15	93.3	0.0	6.7	0.62	7.0	e
2 Cobas h 232	506	90.9	7.5	1.6	0.58	11.8	e

PO2 CCA

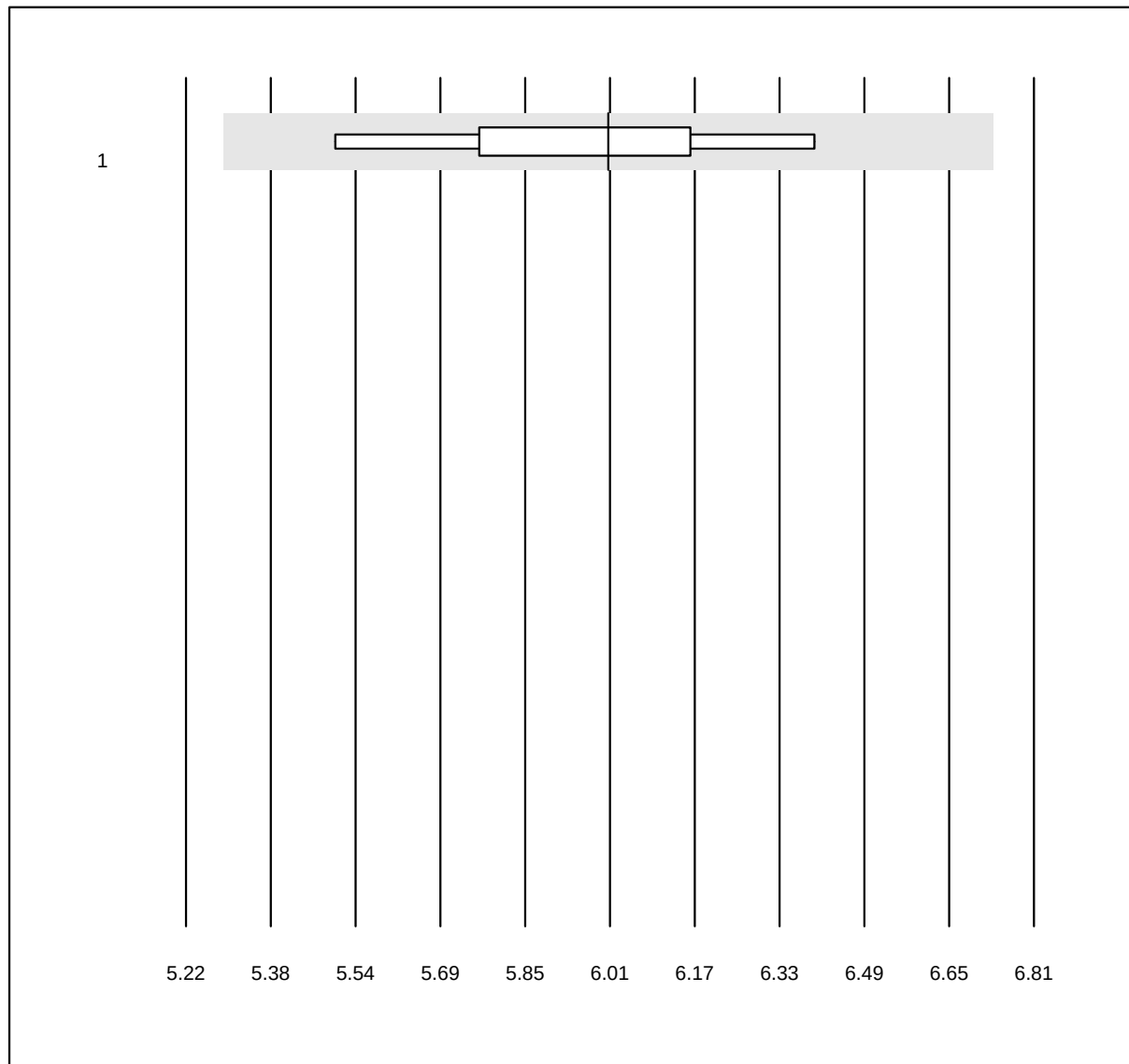


QUALAB Toleranz: 15%

PO2 CCA (kPa)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	OPTI CCA	9	100.0	0.0	0.0	12.69	4.1	e

PCO2 CCA

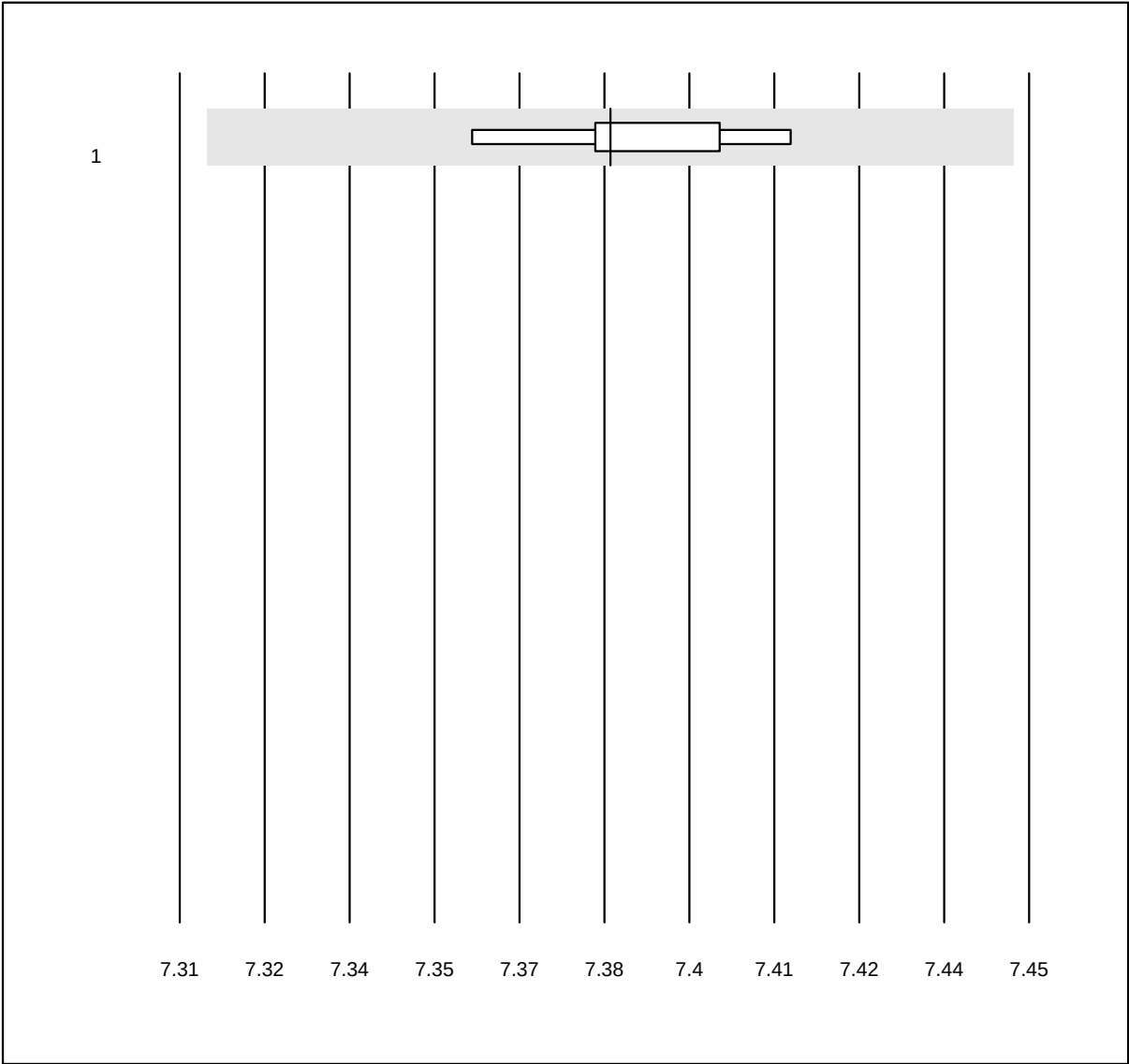


QUALAB Toleranz: 12%

PCO2 CCA (kPa)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 OPTI CCA	9	100.0	0.0	0.0	6.01	4.8	e*

pH CCA



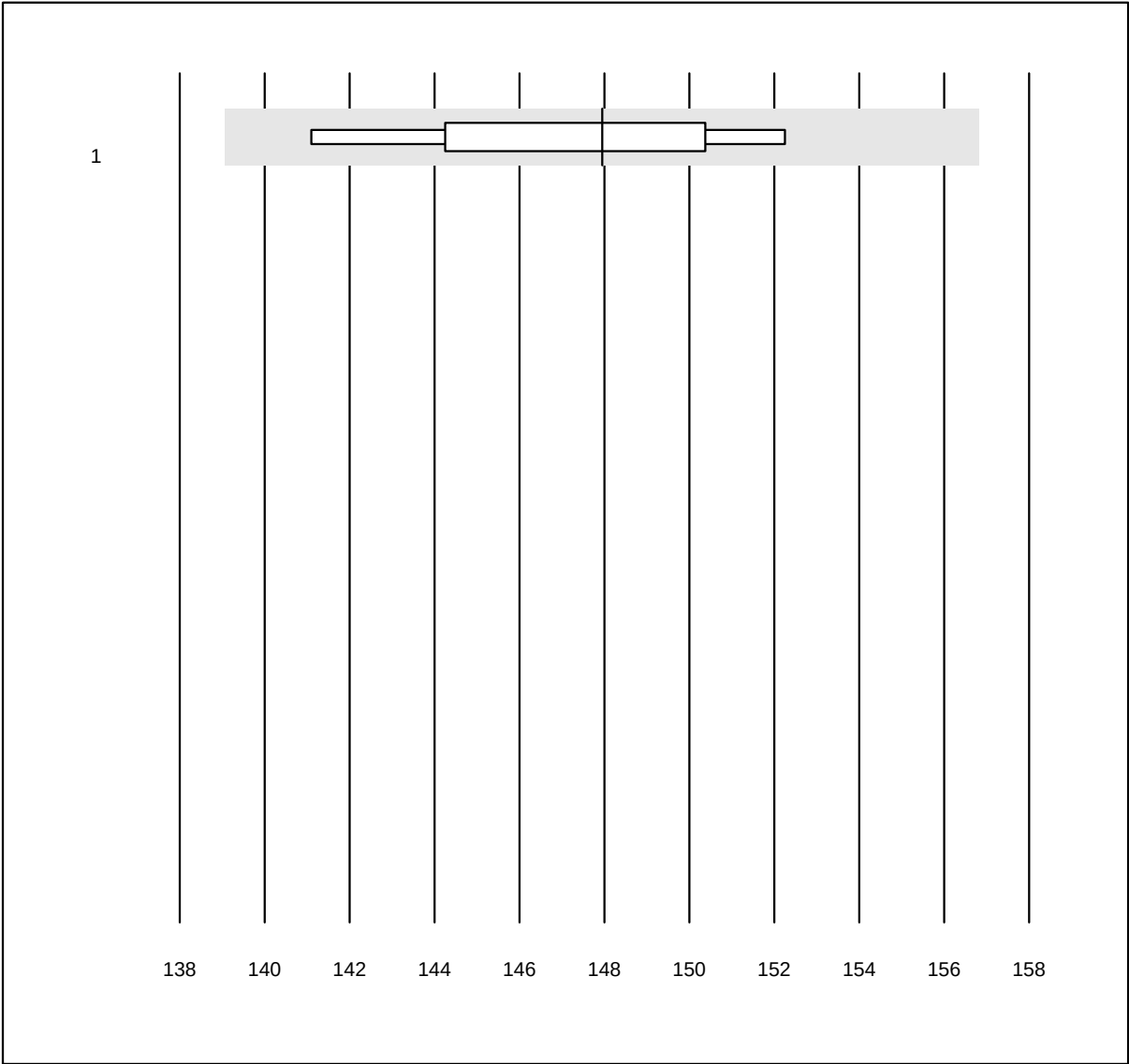
QUALAB Toleranz: 0%

pH CCA ()

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	OPTI CCA	8	100.0	0.0	0.0	7.38	0.2	e

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

Sodium CCA

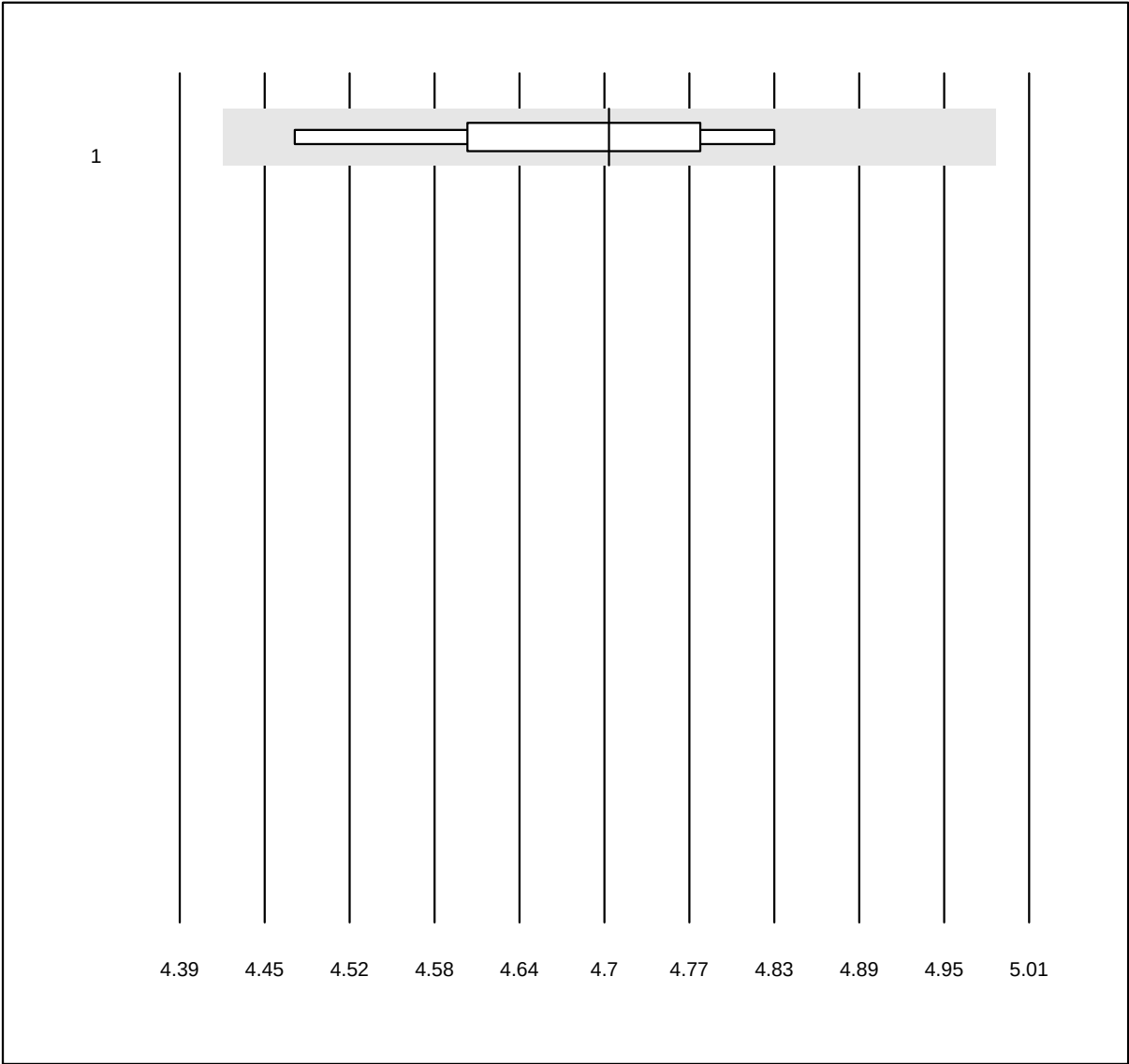


QUALAB Toleranz: 6%

Sodium CCA (mmol/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	OPTI CCA	4	100.0	0.0	0.0	147.9	2.2	e*

Potassium CCA

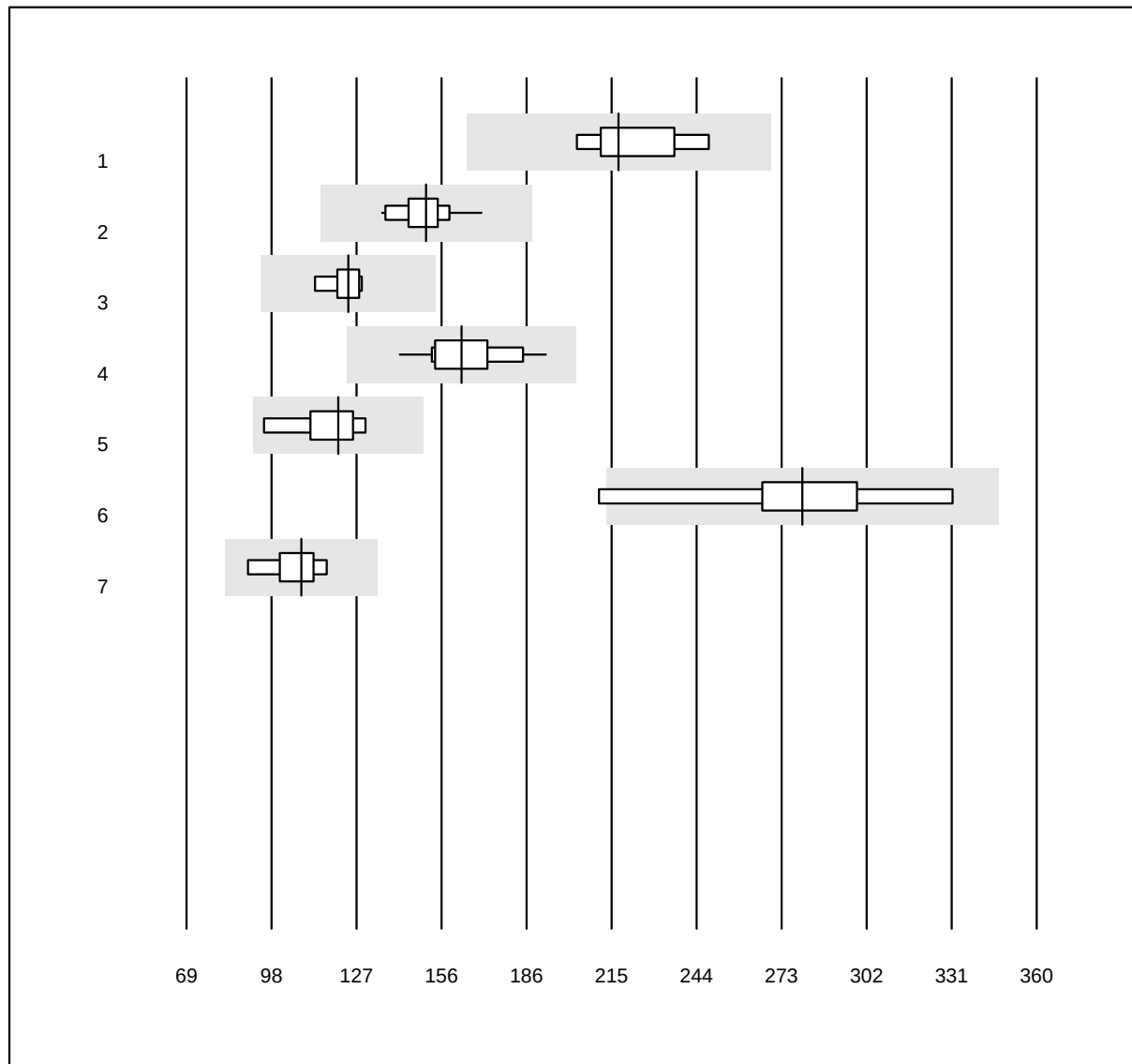


QUALAB Toleranz: 6%

Potassium CCA (mmol/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	OPTI CCA	5	100.0	0.0	0.0	4.7	2.2	e*

Ferritin



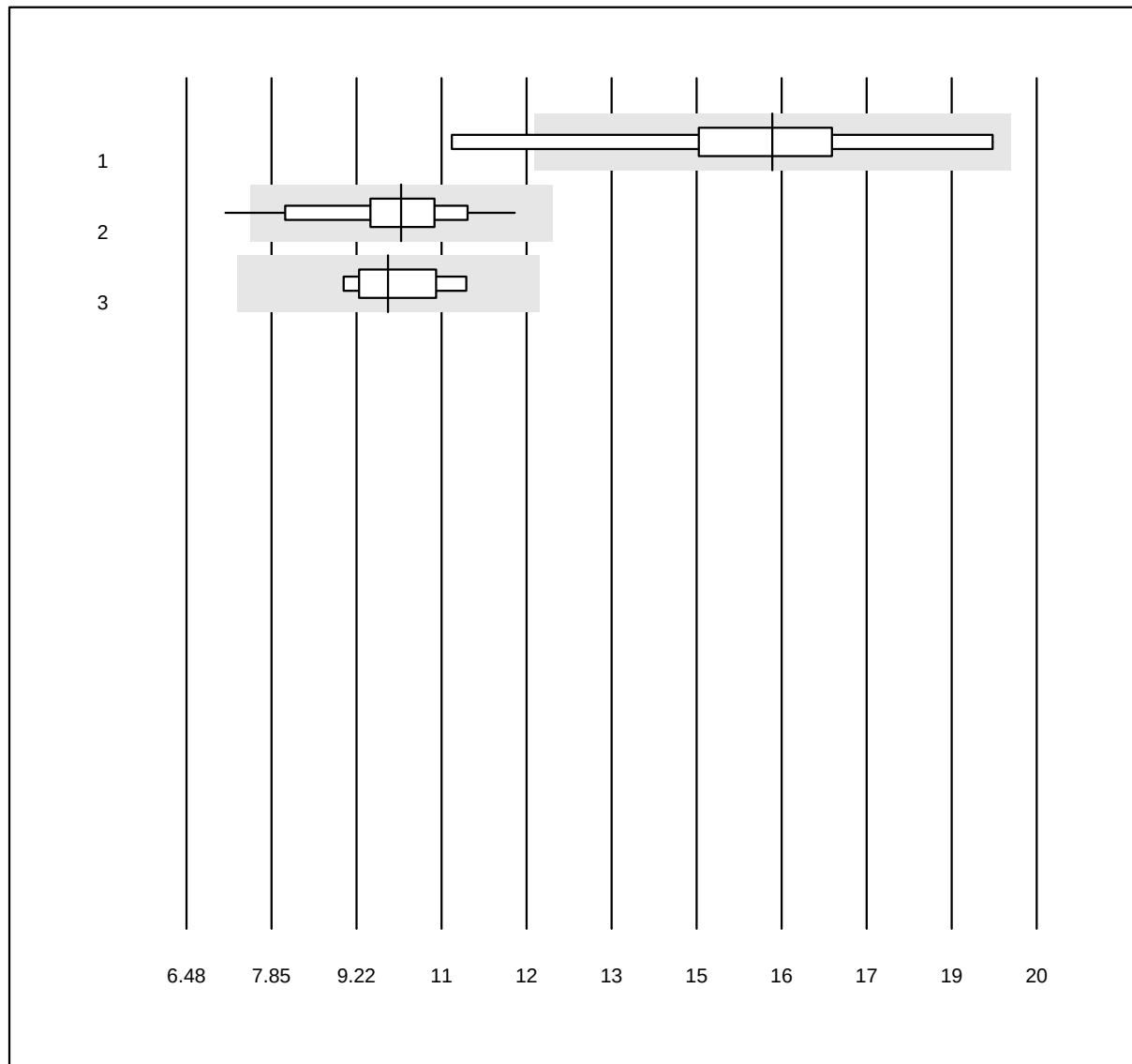
QUALAB Toleranz: 24%

Ferritin (µg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	7	100.0	0.0	0.0	216.87	6.7	e
2 Roche	40	100.0	0.0	0.0	150.99	5.4	e
3 Siemens	9	100.0	0.0	0.0	124.40	4.2	e
4 AFIAS	21	100.0	0.0	0.0	163.14	7.5	e
5 Mini Vidas	8	100.0	0.0	0.0	120.97	9.1	e*
6 RapidReader Cube Reader	9	88.9	11.1	0.0	279.80	11.9	e*
7 Other methods	5	100.0	0.0	0.0	108.33	6.9	e*

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

Folate



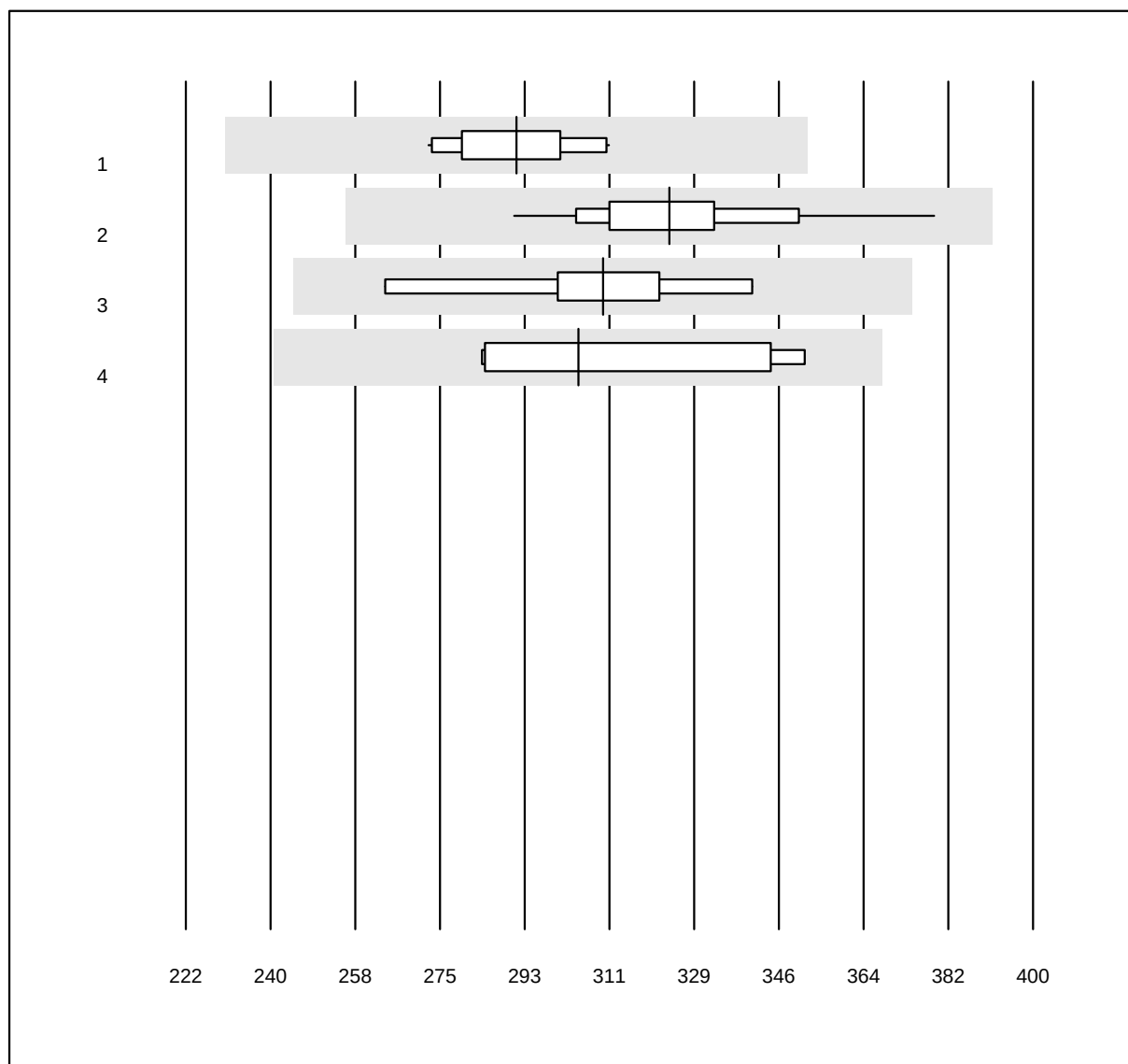
QUALAB Toleranz: 24%

Folate (nmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	9	88.9	11.1	0.0	15.80	14.9	e*
2 Roche	24	95.8	4.2	0.0	9.89	10.4	e
3 Siemens	8	100.0	0.0	0.0	9.69	6.9	e

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

Vitamin B12



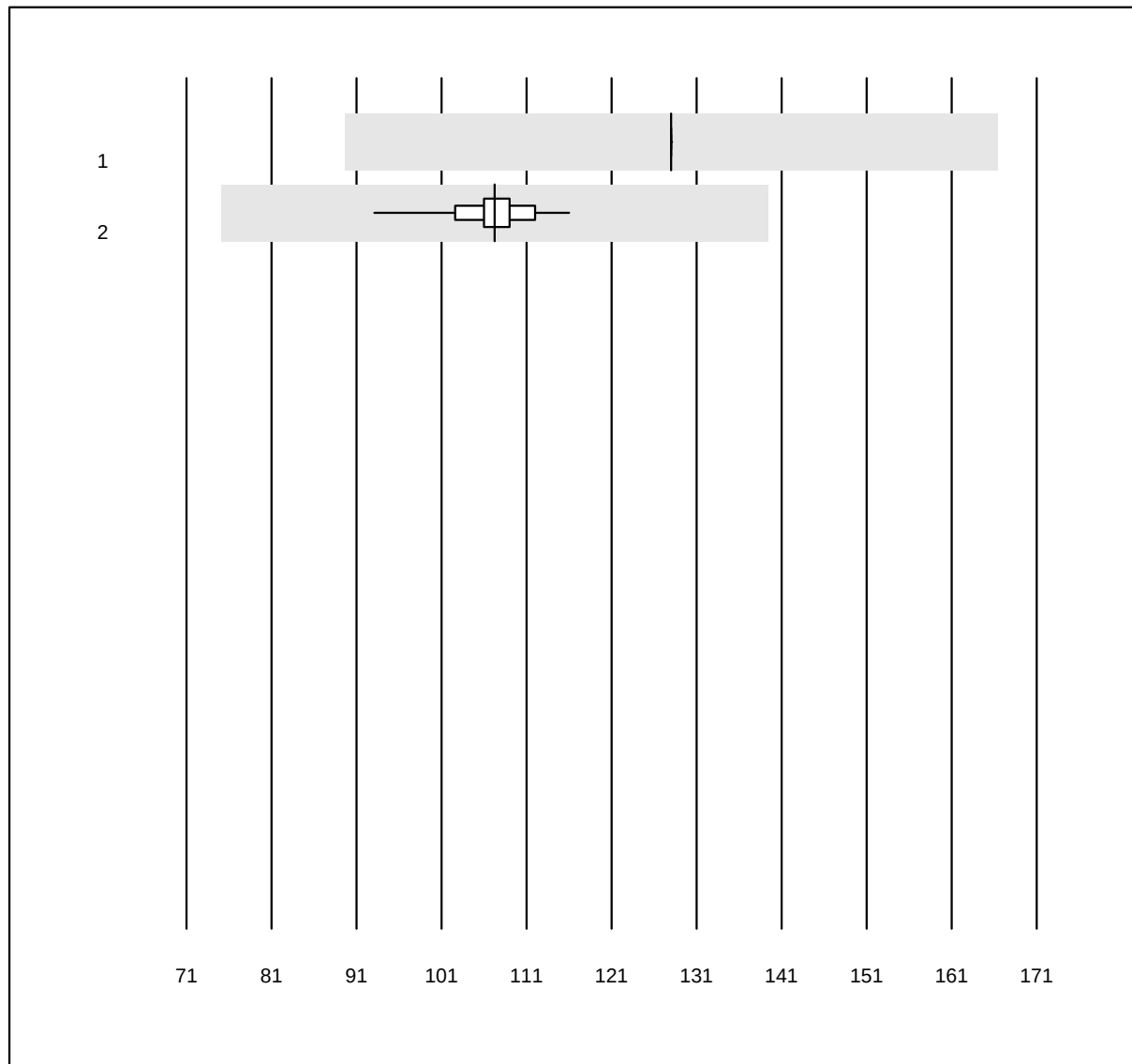
QUALAB Toleranz: 21%

Vitamin B12 (pmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	10	100.0	0.0	0.0	291.47	4.2	e
2 Roche	25	100.0	0.0	0.0	323.60	5.9	e
3 Siemens	9	100.0	0.0	0.0	309.67	6.9	e
4 Other methods	6	100.0	0.0	0.0	304.50	9.1	e*

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

Holotranscobalamine



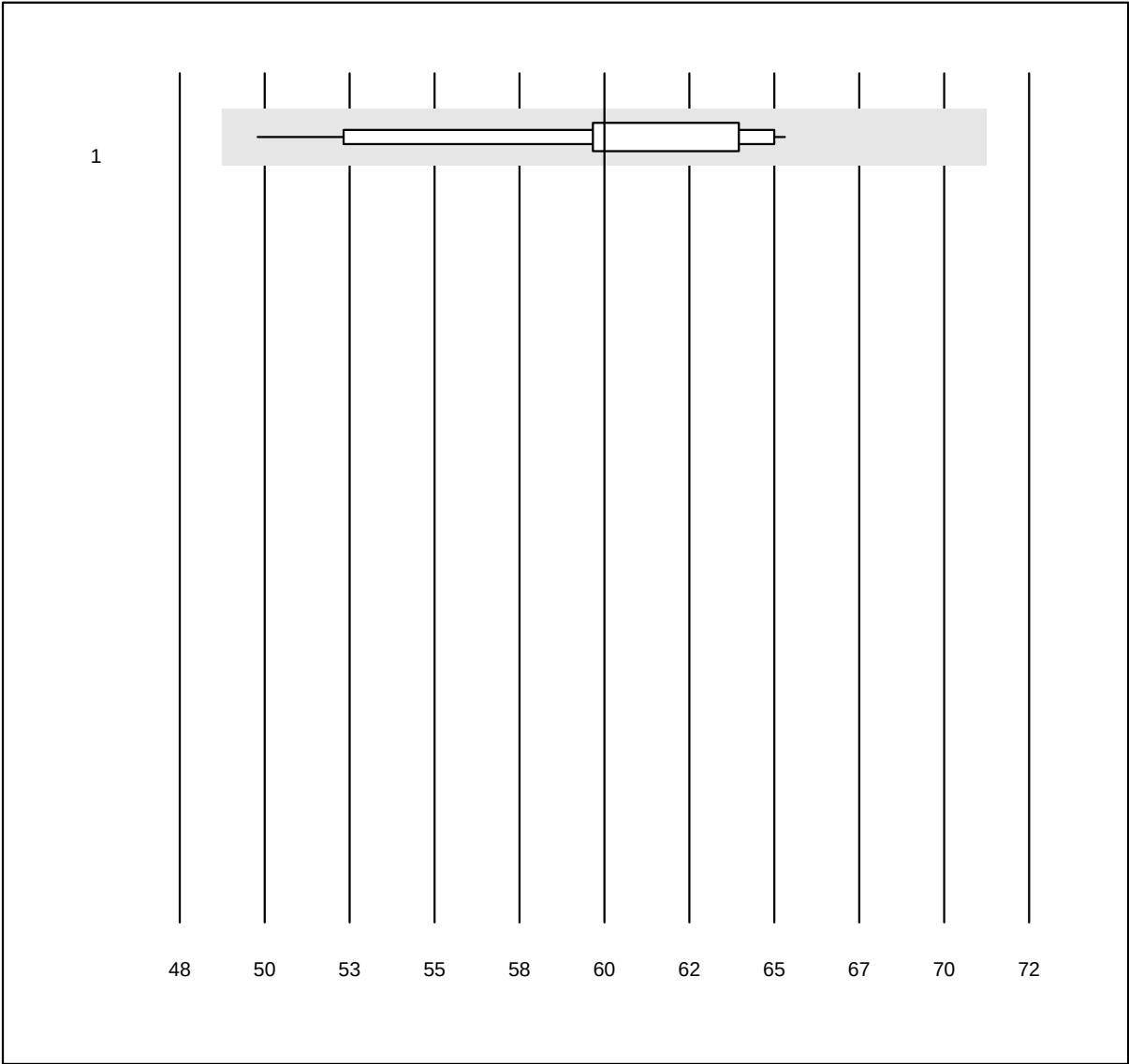
QUALAB Toleranz: 30%

Holotranscobalamine
(pmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	9	100.0	0.0	0.0	128.0	0.0	e
2 Cobas	47	100.0	0.0	0.0	107.2	3.8	e

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

Bilirubin direct



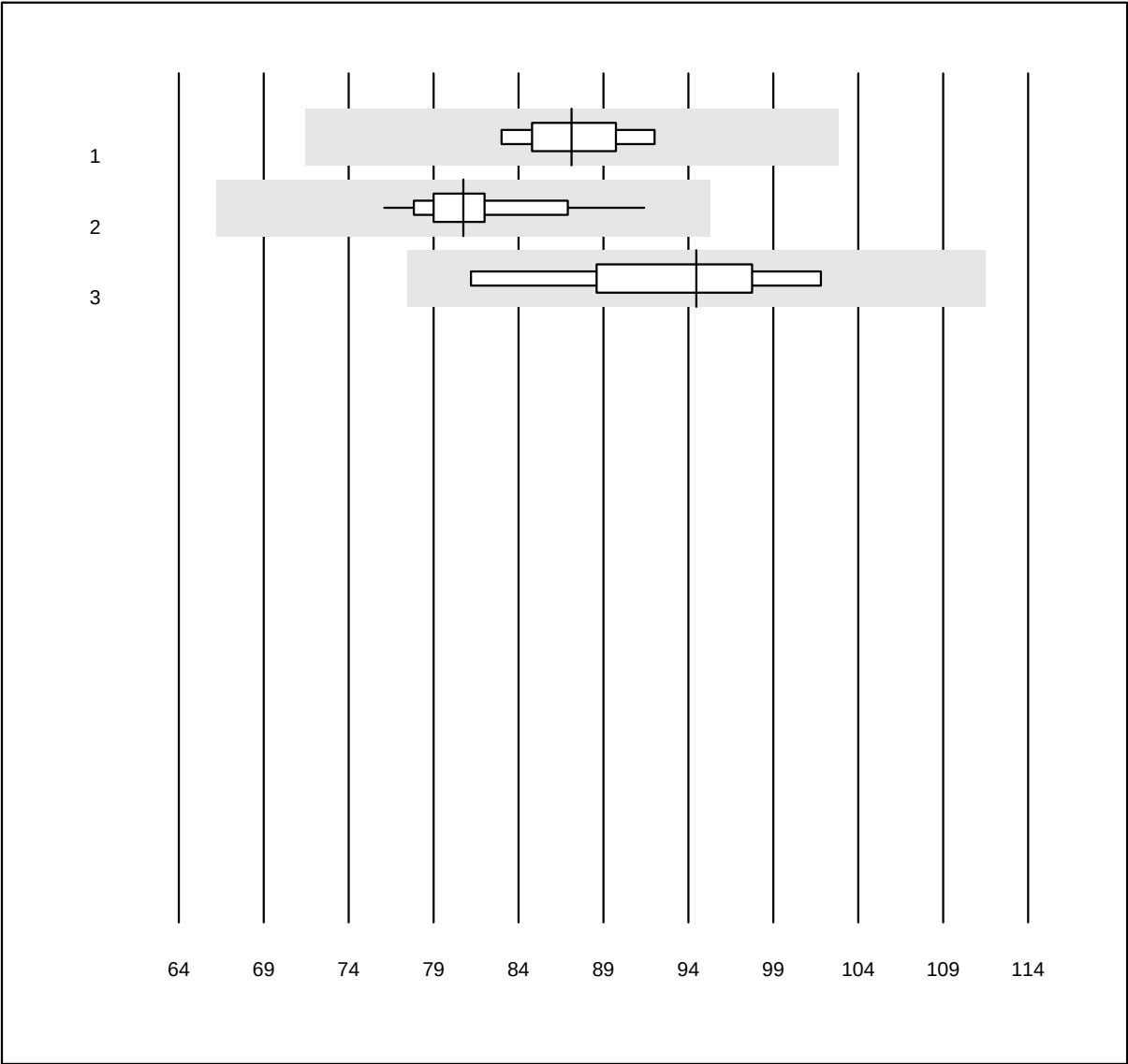
QUALAB Toleranz: 18%

Bilirubin direct (µmol/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	22	100.0	0.0	0.0	60	6.7	a

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

Bilirubin total Neo

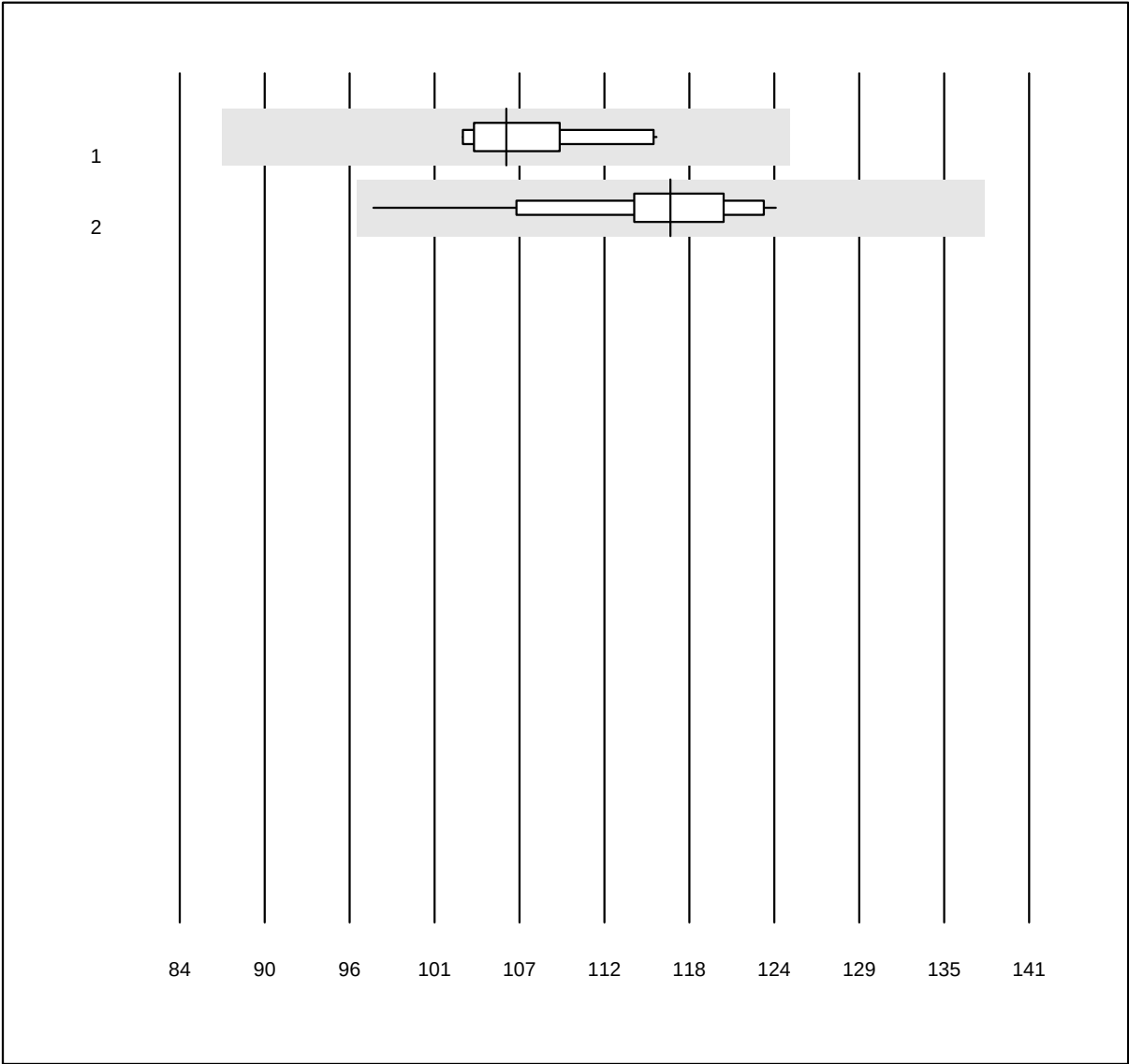


QUALAB Toleranz: 18%

Bilirubin total Neo (μmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Other methods	5	100.0	0.0	0.0	87	3.1	e
2 Roche	15	100.0	0.0	0.0	81	4.2	e
3 Siemens	9	100.0	0.0	0.0	94	6.9	e*

Bilirubin neonatal

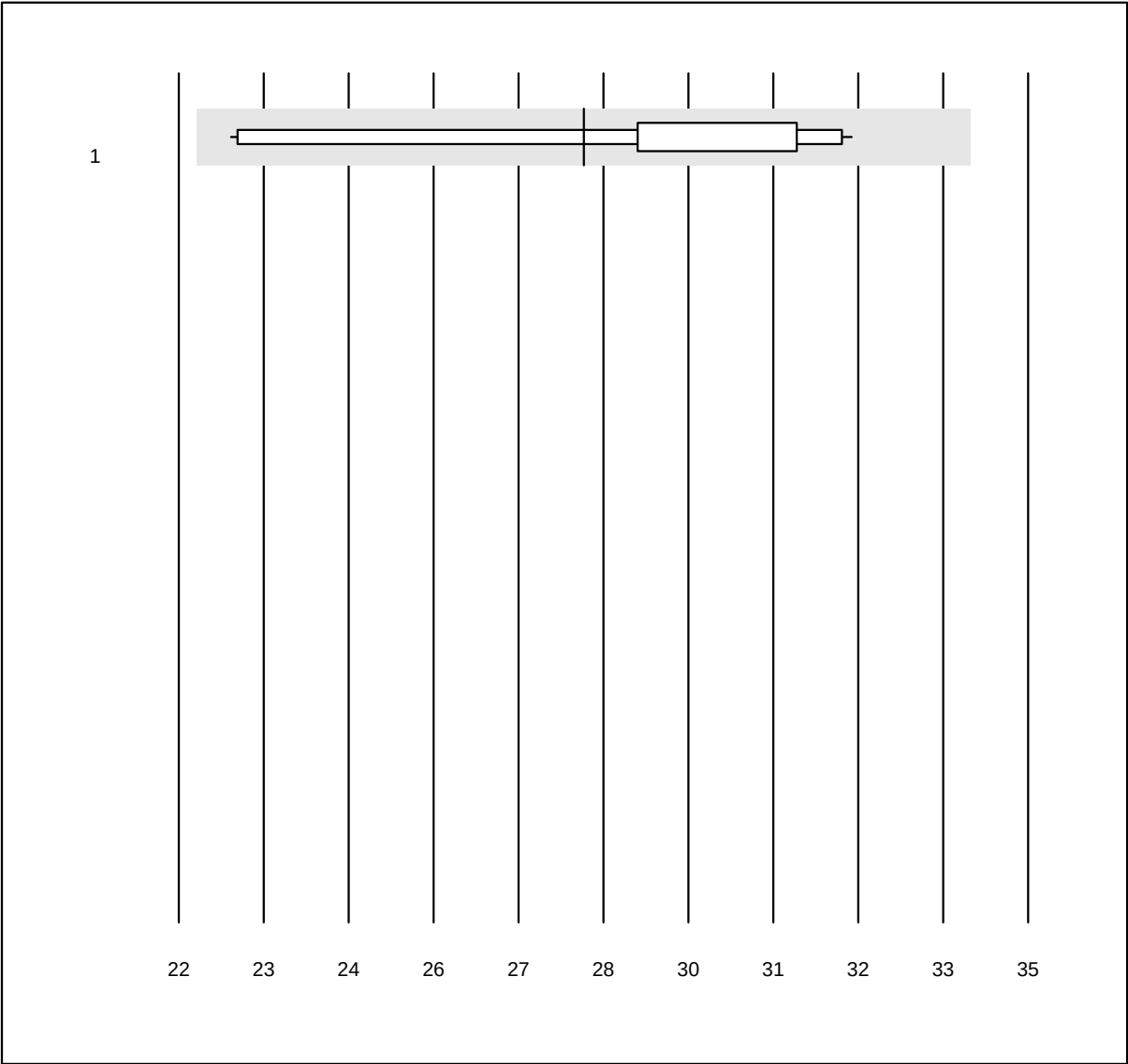


QUALAB Toleranz: 18%

Bilirubin neonatal (μmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ABL700/800	10	100.0	0.0	0.0	106	4.4	e
2 Other methods	17	100.0	0.0	0.0	117	5.6	e

AFP



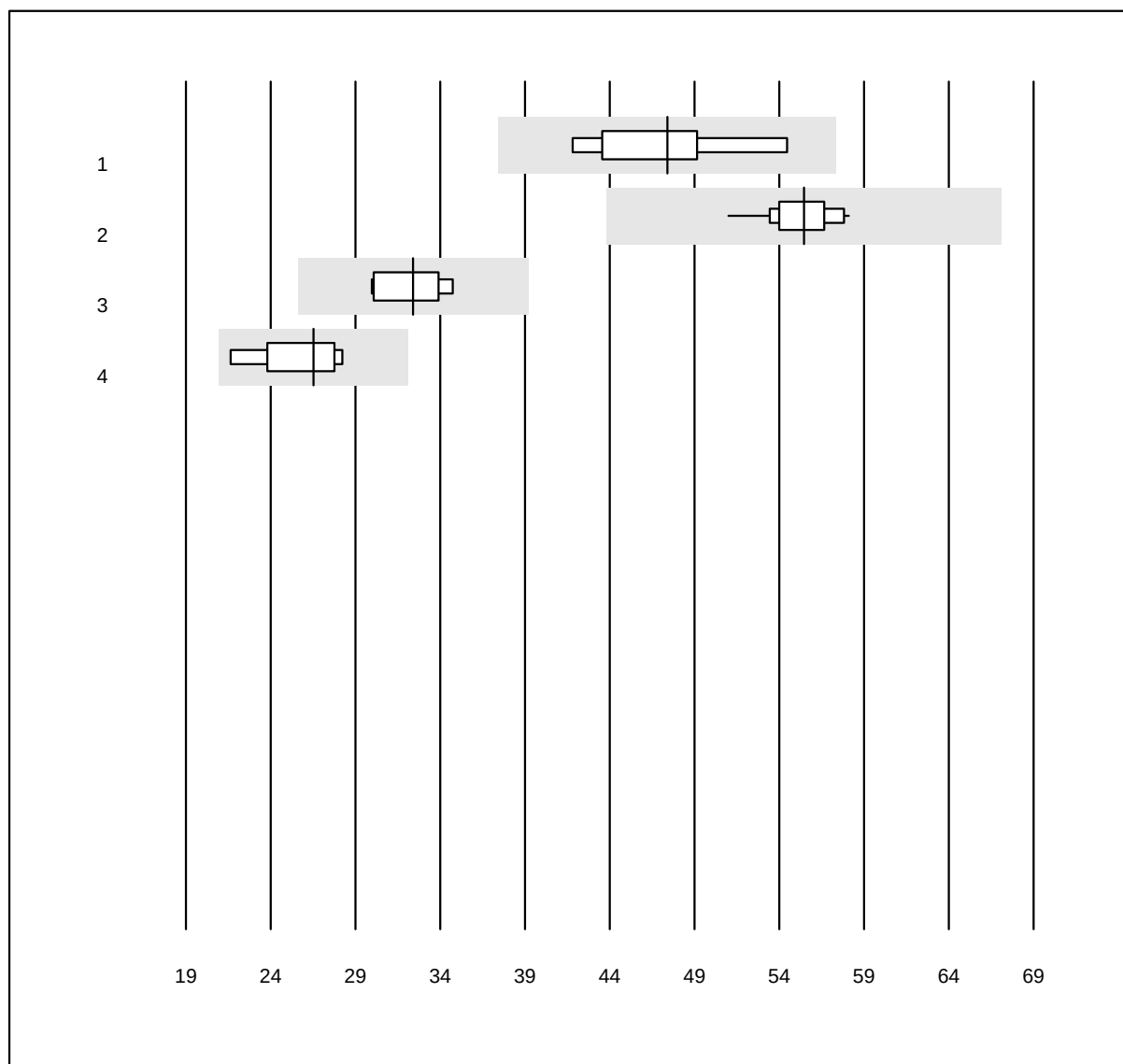
QUALAB Toleranz: 21%

AFP (μg/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	14	100.0	0.0	0.0	28.2	10.0	d*

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

HCG qn



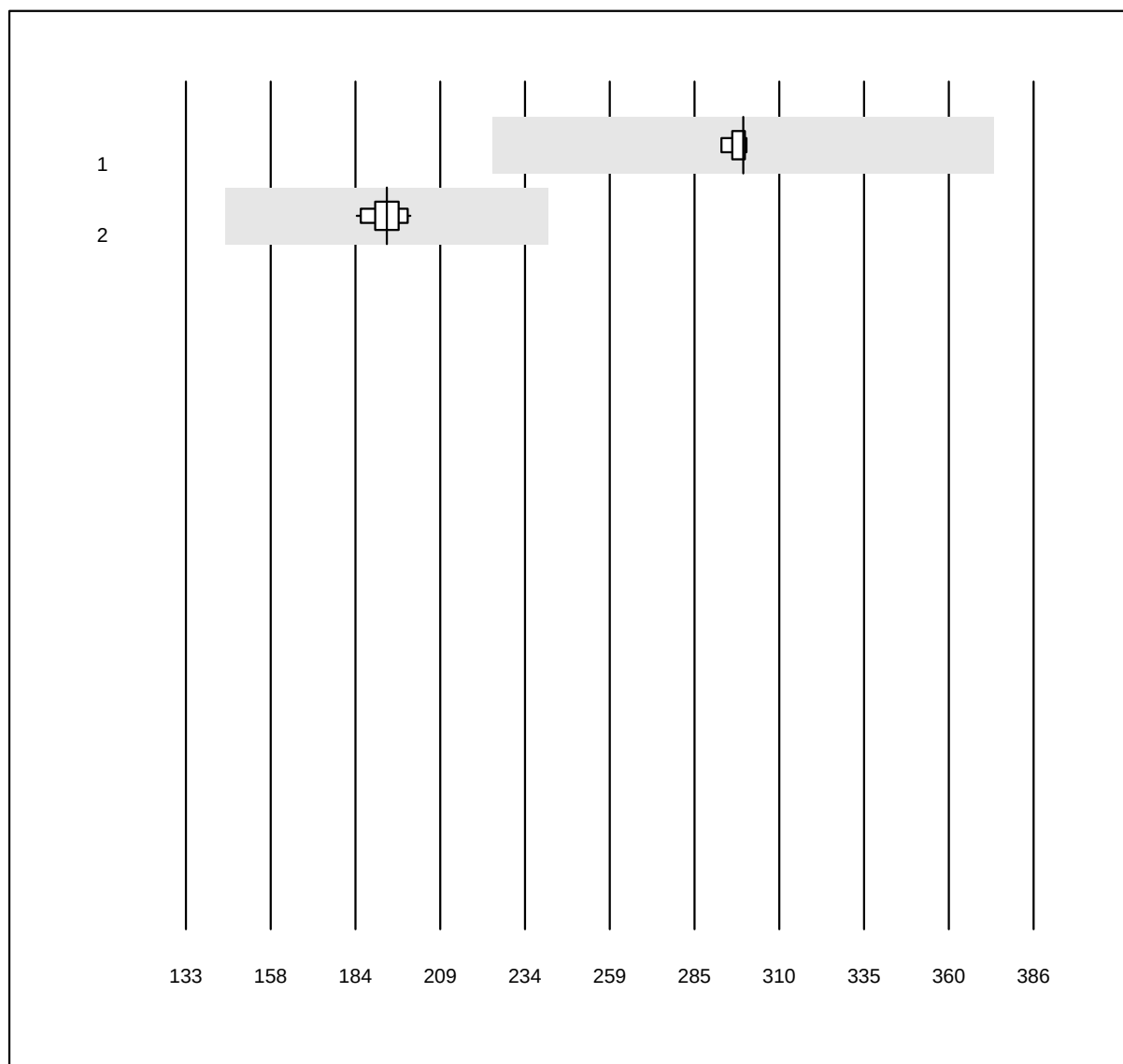
QUALAB Toleranz: 21%

HCG qn (U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	47.4	8.1	e*
2 Roche	25	100.0	0.0	0.0	55.5	3.0	e
3 Siemens	6	100.0	0.0	0.0	32.4	5.9	e
4 VIDAS	5	100.0	0.0	0.0	26.5	8.6	e*

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

CA 125



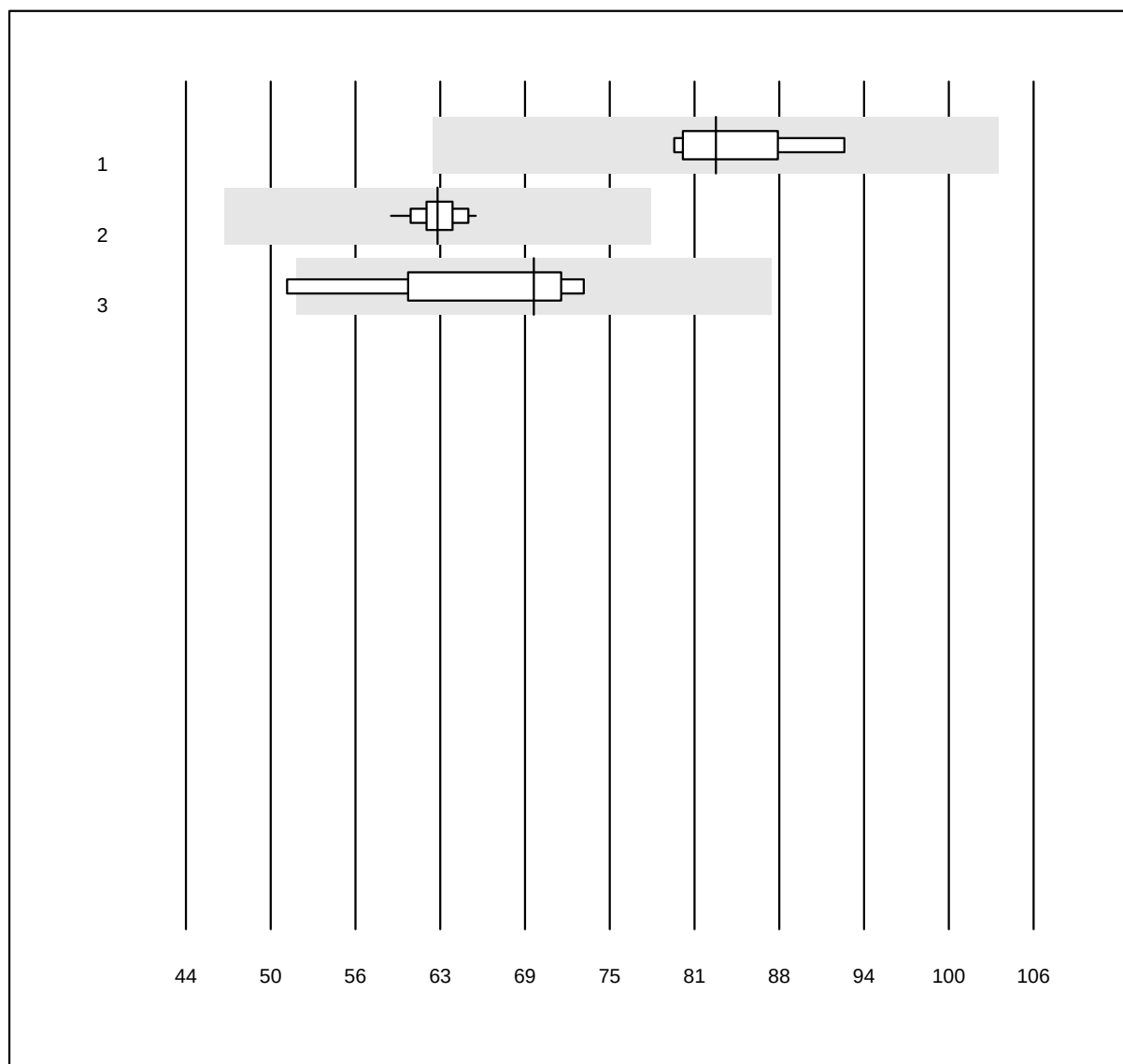
MQ Toleranz: 25%

CA 125 (kIU/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Abbott	4	100.0	0.0	0.0	299.4	0.8	e
2	Roche	13	100.0	0.0	0.0	193.0	2.4	e

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

CA 15-3



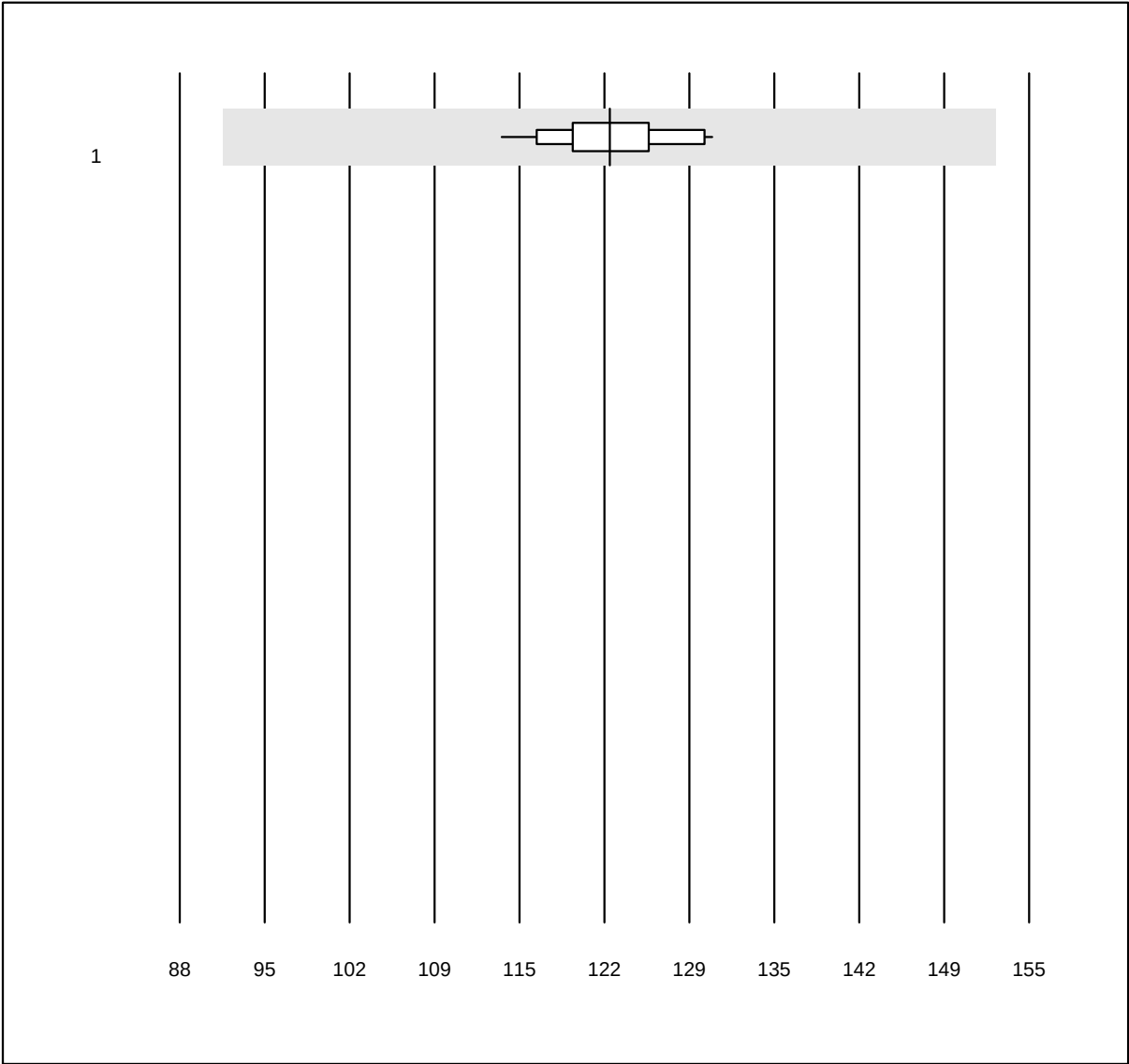
MQ Toleranz: 25%

CA 15-3 (kIU/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	5	100.0	0.0	0.0	82.8	4.8	e
2 Roche	15	100.0	0.0	0.0	62.4	2.3	e
3 Siemens	4	100.0	0.0	0.0	69.5	9.9	e*

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

CA 19-9



MQ Toleranz: 25%

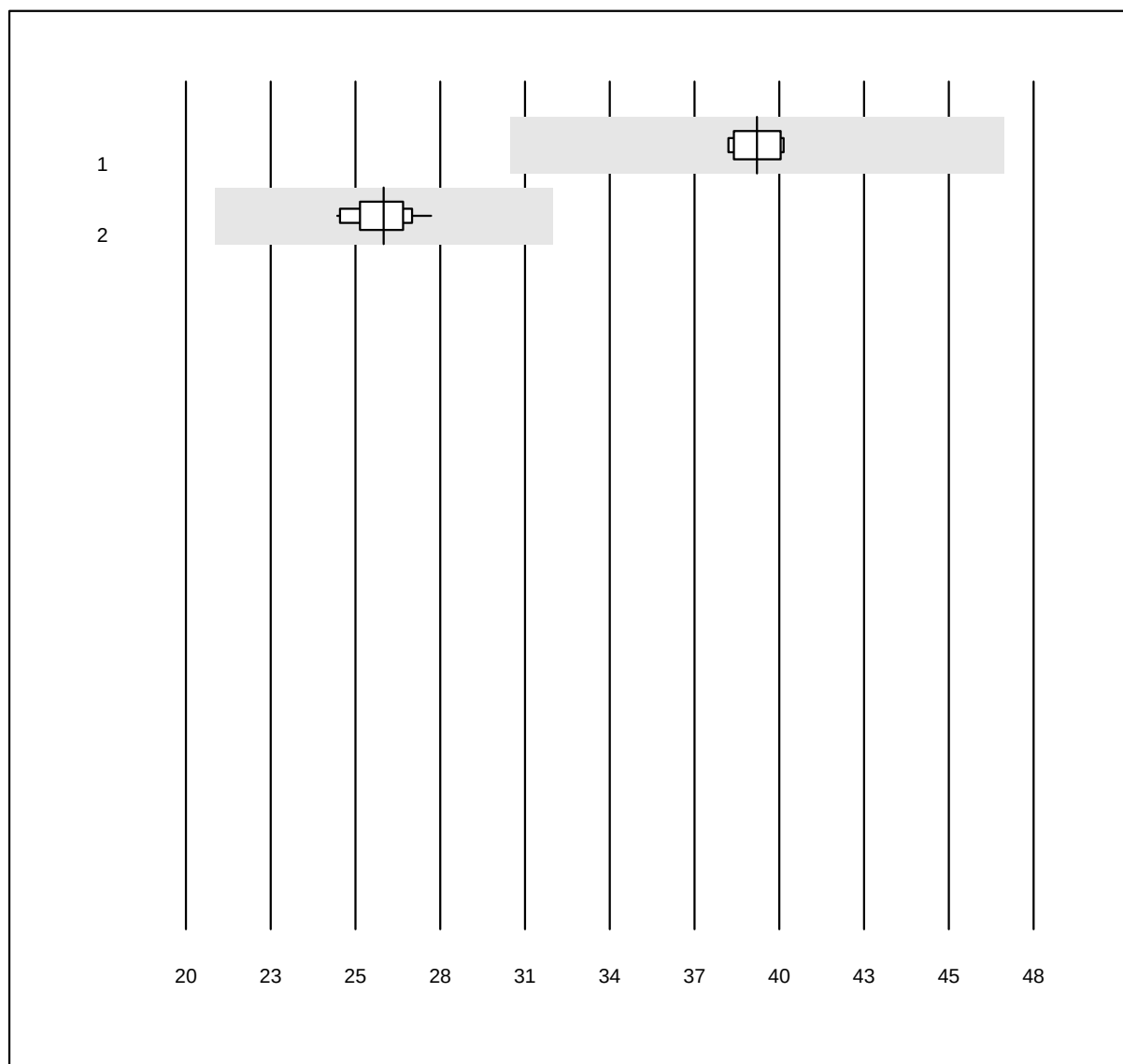
CA 19-9 (kIU/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	15	100.0	0.0	0.0	121.9	3.5	e

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

K14 Tumor Markers

CEA



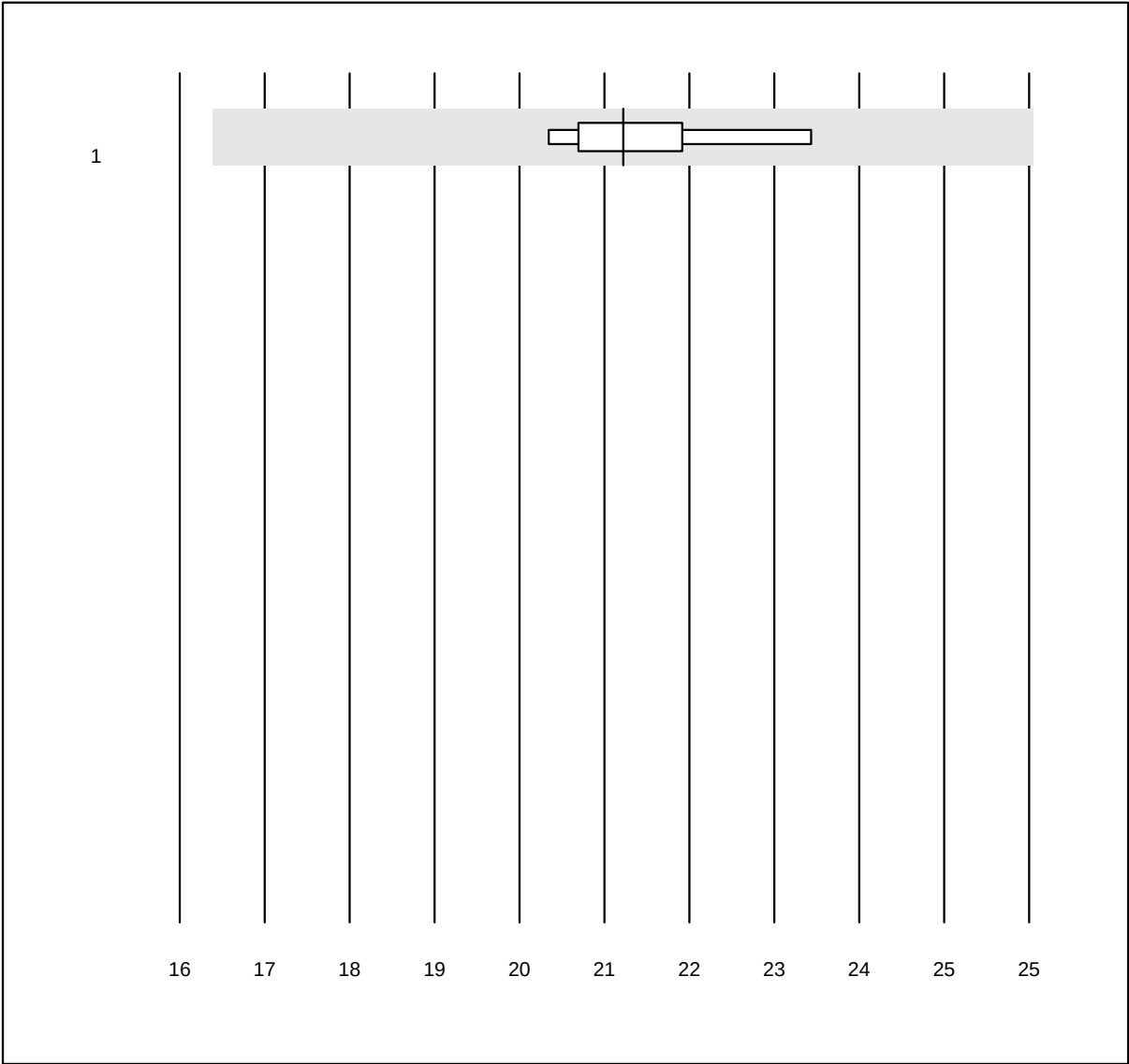
QUALAB Toleranz: 21%

CEA (µg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	5	100.0	0.0	0.0	38.9	2.0	e
2 Roche	18	100.0	0.0	0.0	26.5	3.3	e

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

HCG intact



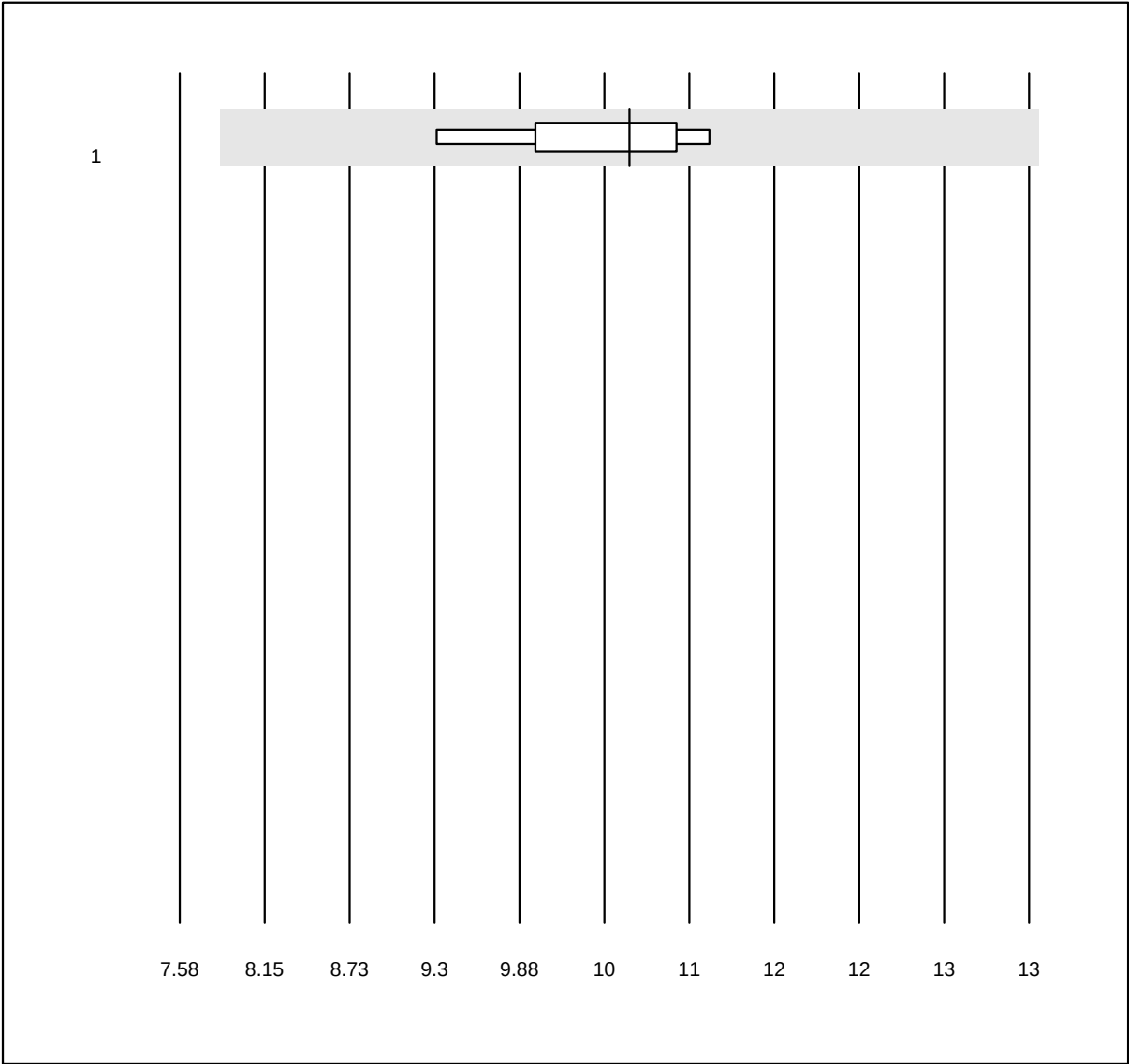
QUALAB Toleranz: 21%

HCG intact (U/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Cobas	6	100.0	0.0	0.0	20.7	3.9	e

K14 Tumor Markers

NSE



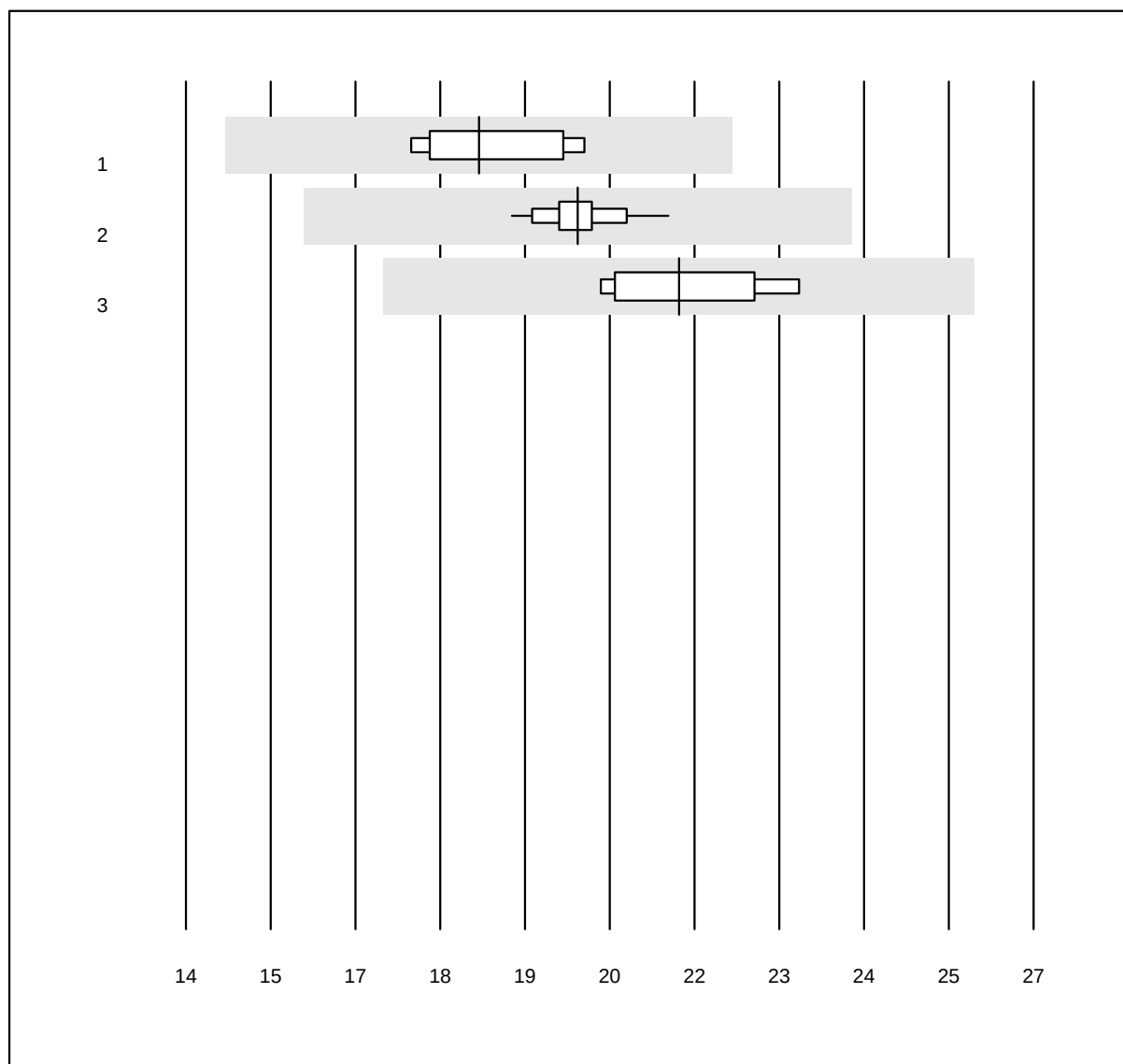
MQ Toleranz: 25%

NSE (ng/ml)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	6	100.0	0.0	0.0	10.4	5.3	e

K14 Tumor Markers

PSA



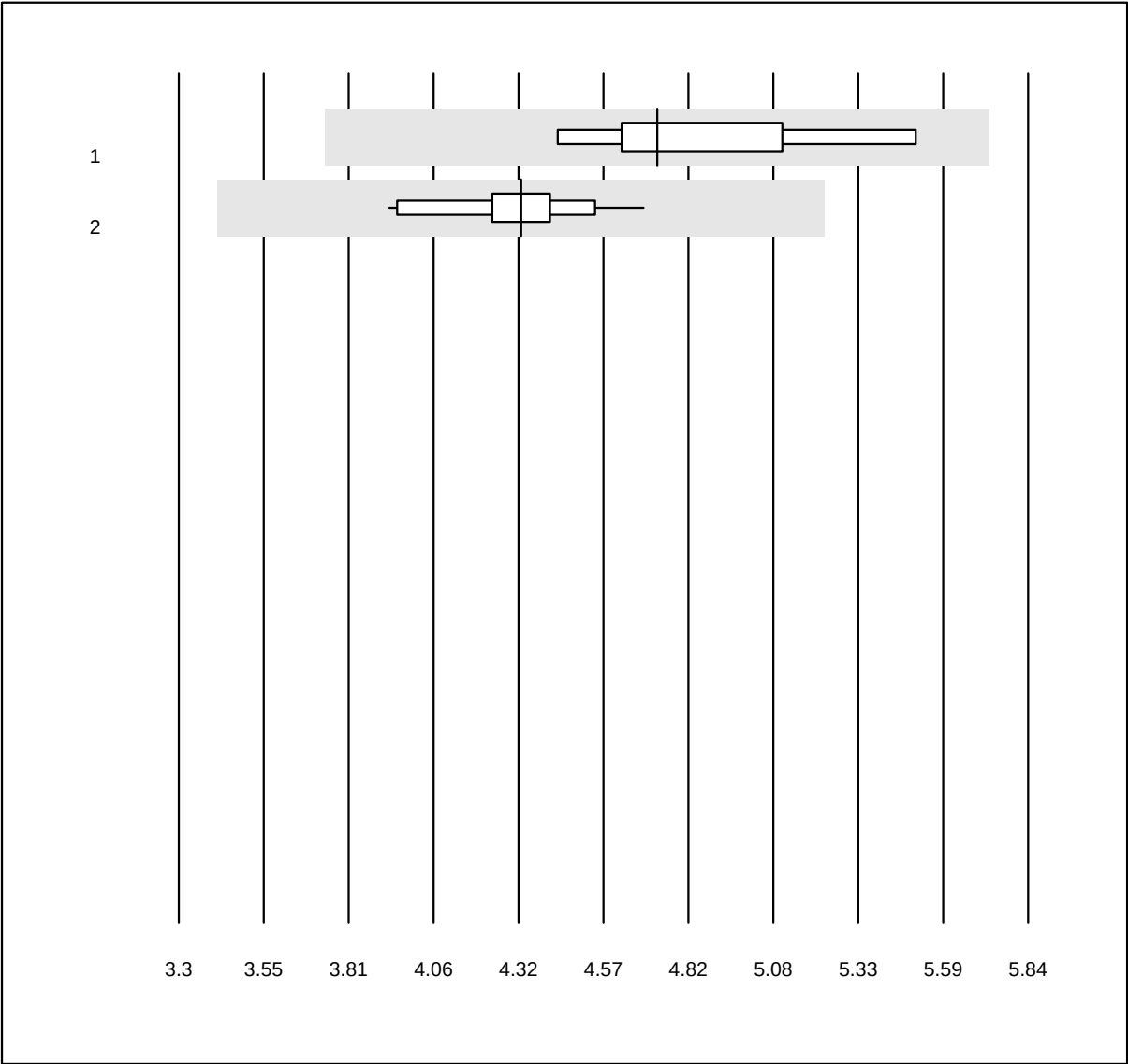
QUALAB Toleranz: 21%

PSA (µg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	18.50	5.3	e
2 Roche	26	100.0	0.0	0.0	20.01	2.6	e
3 AFIAS	5	100.0	0.0	0.0	21.56	5.1	e

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

free PSA



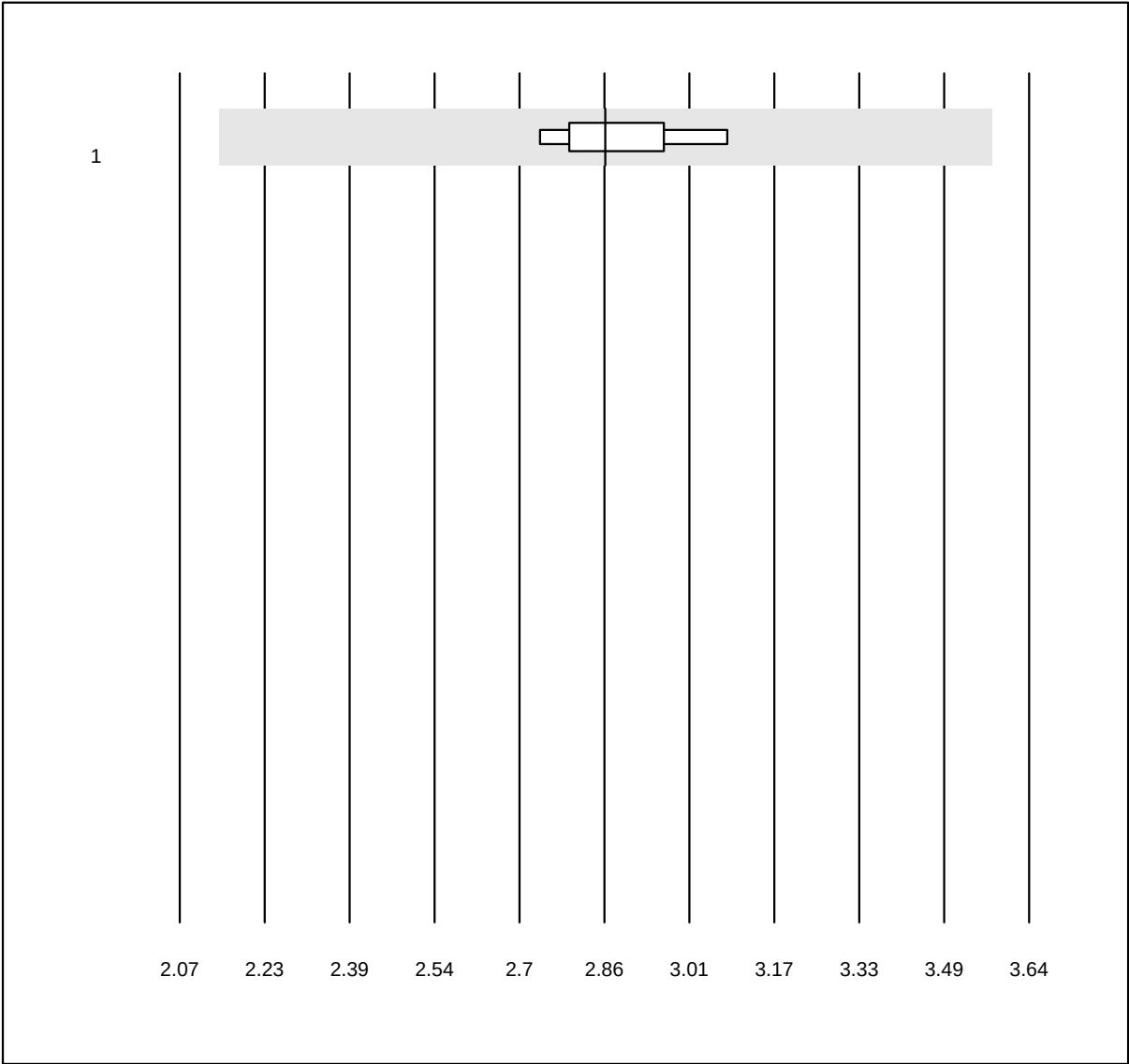
QUALAB Toleranz: 21%

free PSA (µg/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Abbott	6	100.0	0.0	0.0	4.73	6.6	e*
2	Roche	20	100.0	0.0	0.0	4.32	4.4	e

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

S100

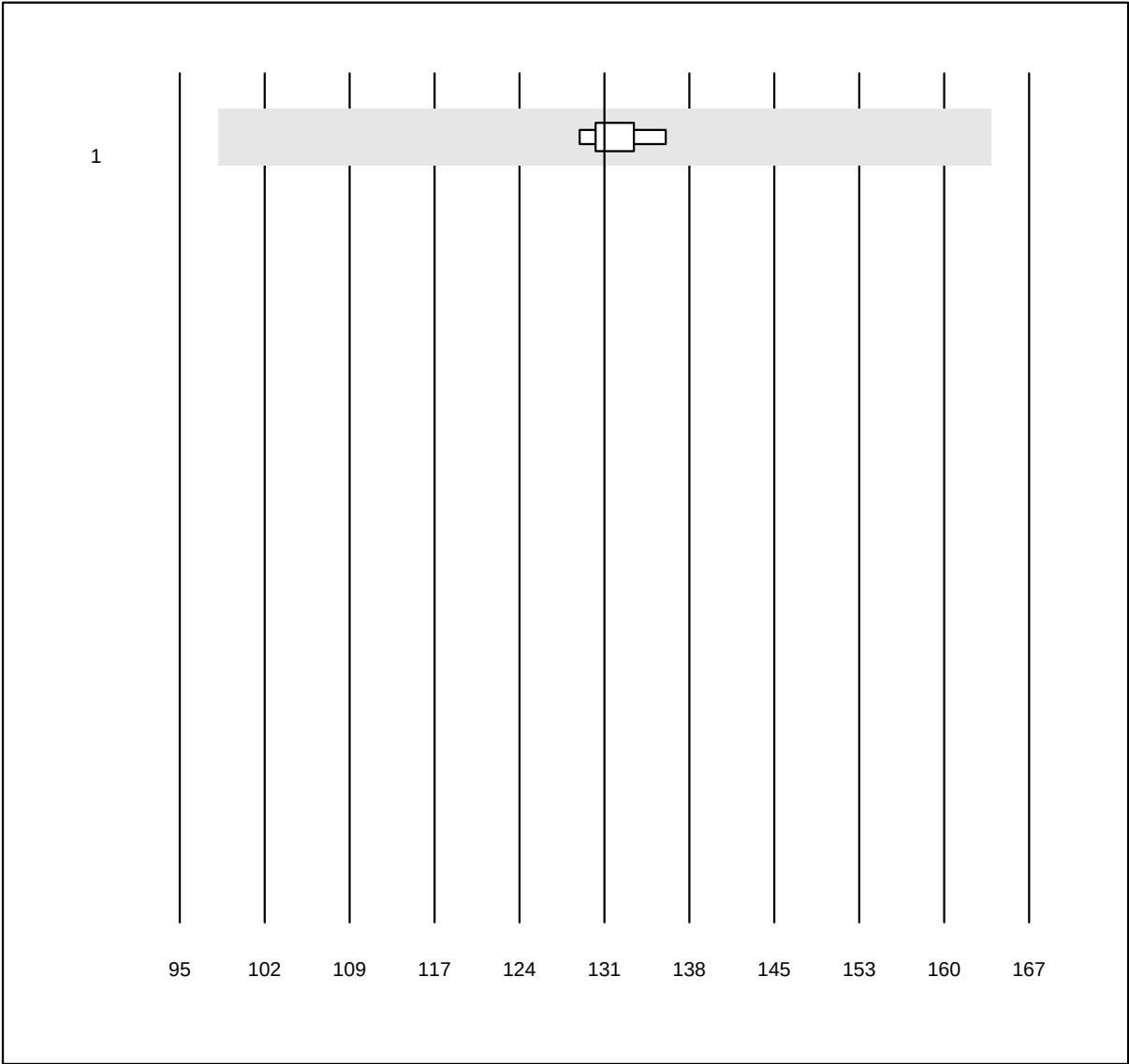


MQ Toleranz: 25%

S100 (µg/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	5	100.0	0.0	0.0	2.86	3.5	e

Thyreoglobulin



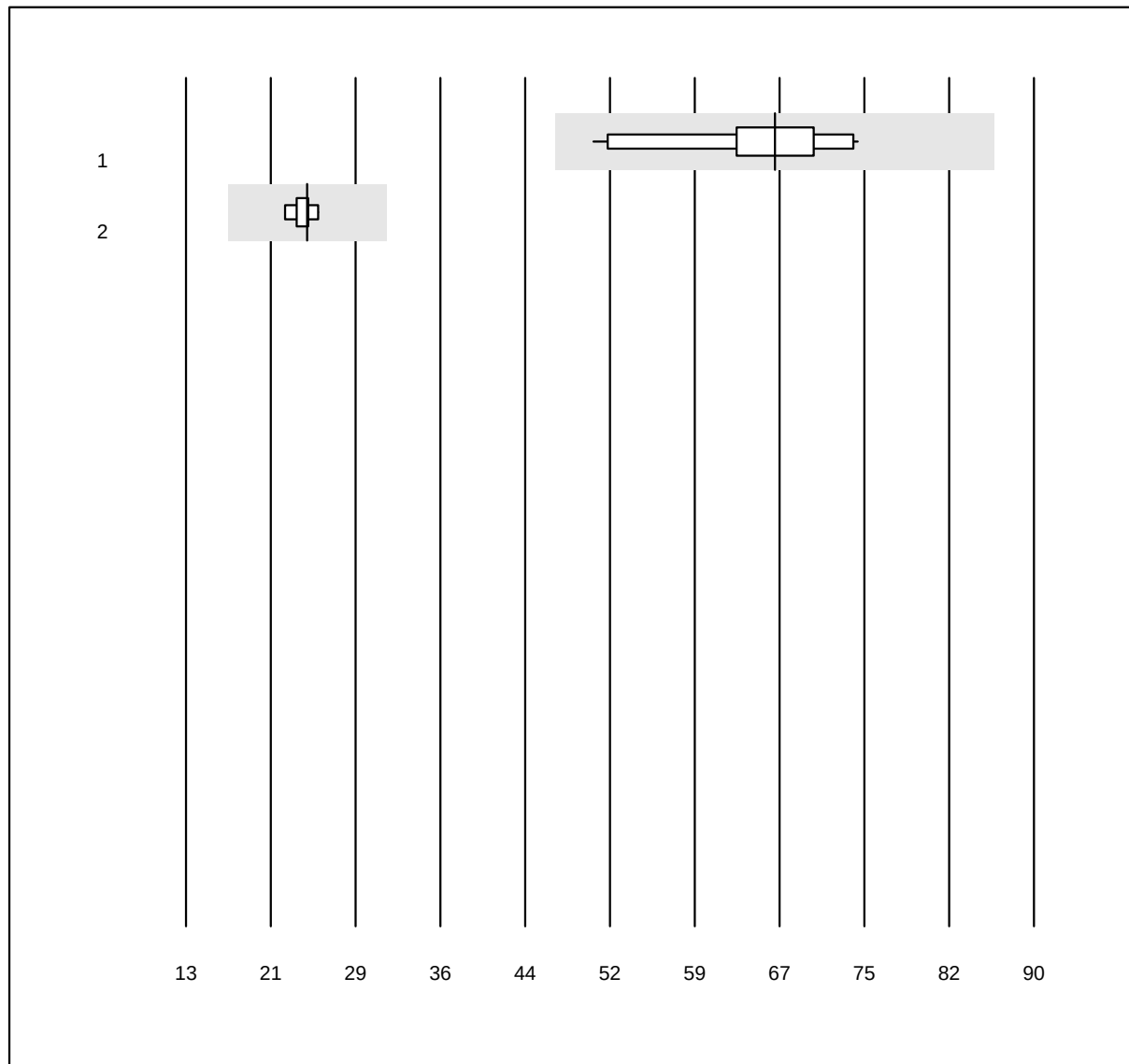
MQ Toleranz: 25%

Thyreoglobulin (µg/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	8	100.0	0.0	0.0	131.0	1.7	e

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

CK-MB

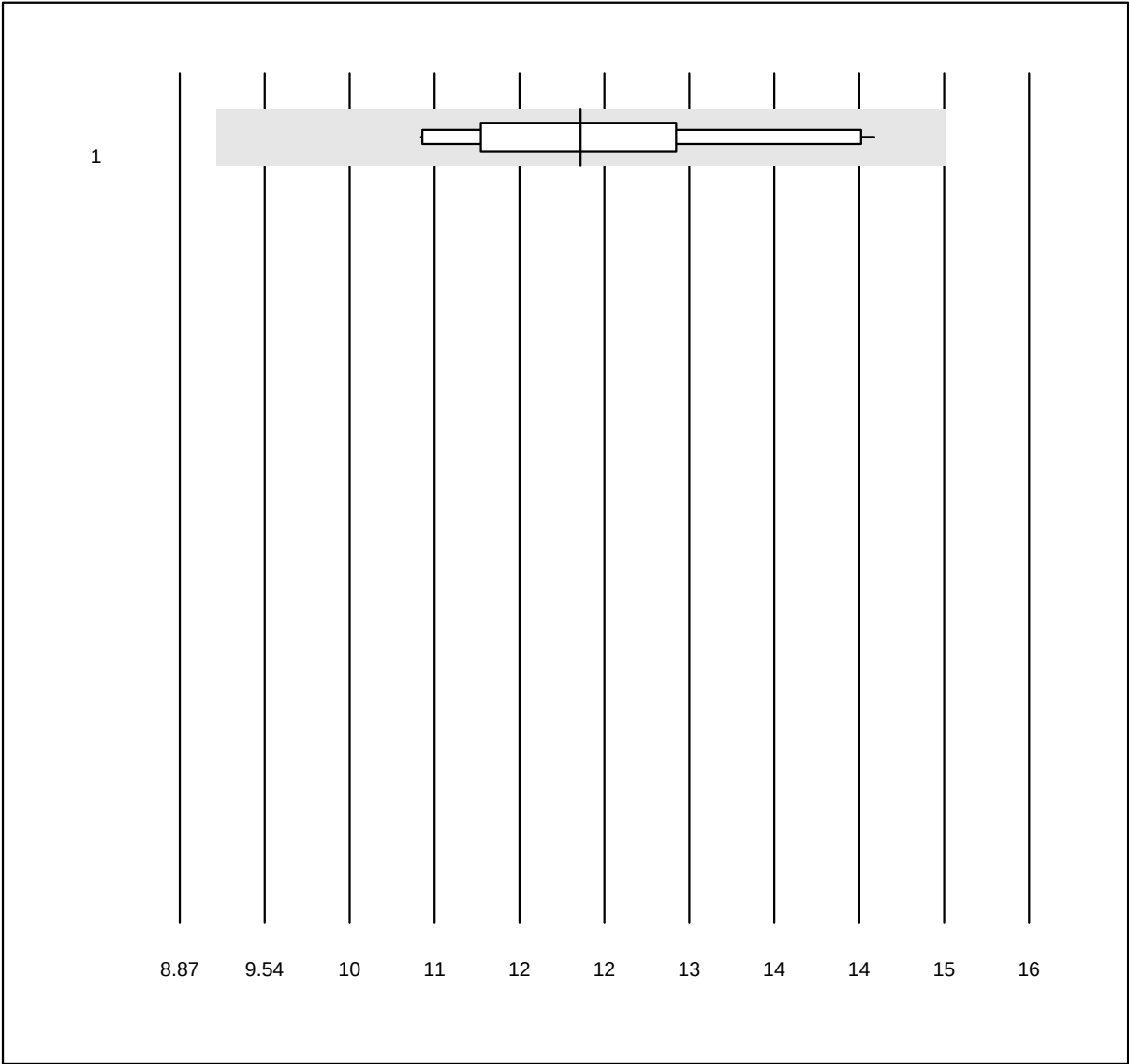


MQ Toleranz: 30%

CK-MB (U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Fuji Dri-Chem	10	100.0	0.0	0.0	66.5	10.0	e
2 Cobas/Roche	9	100.0	0.0	0.0	24.0	3.9	e

ACTH



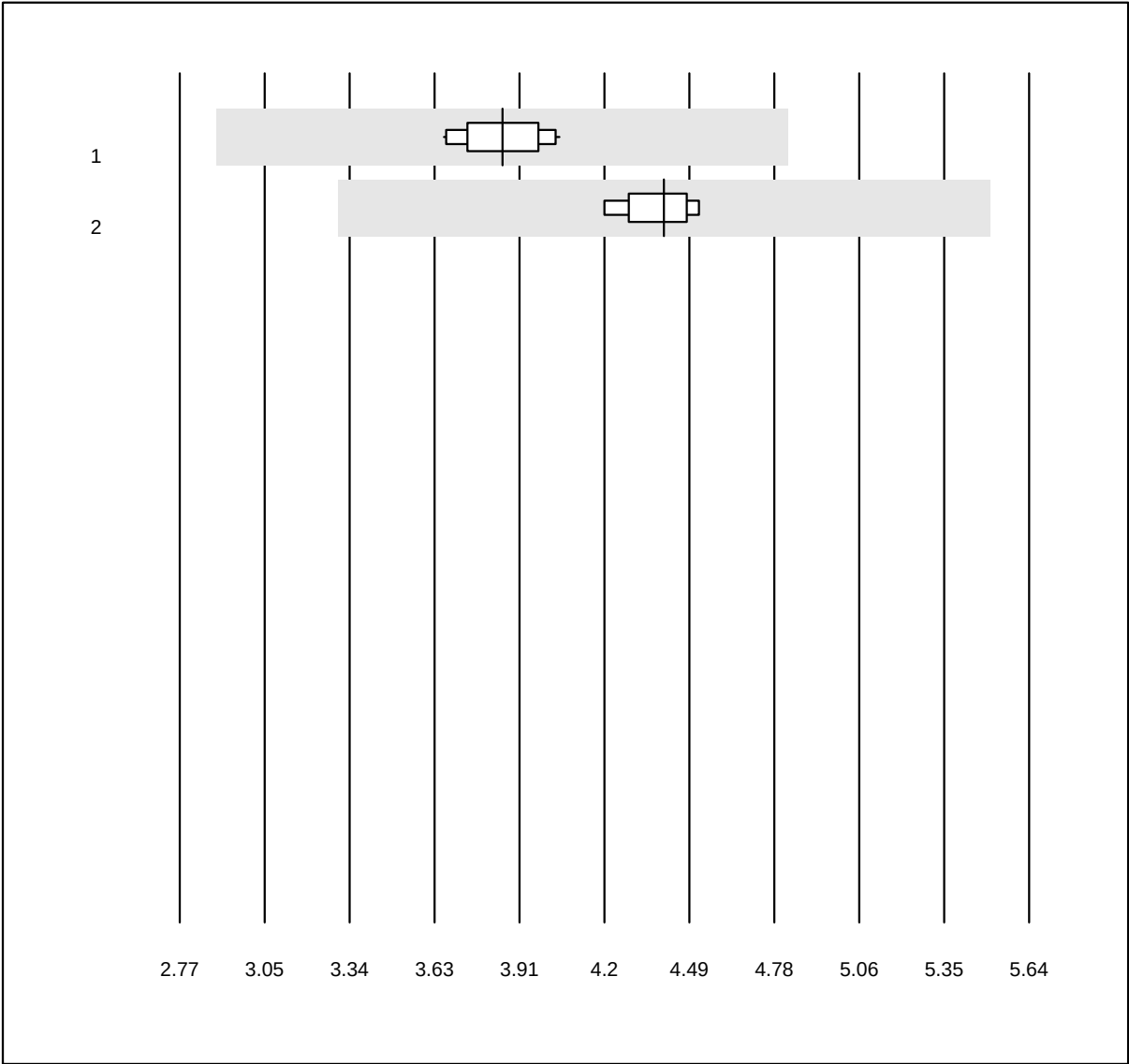
MQ Toleranz: 25%

ACTH (ng/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	10	100.0	0.0	0.0	12.24	9.6	e*

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

C-Peptid



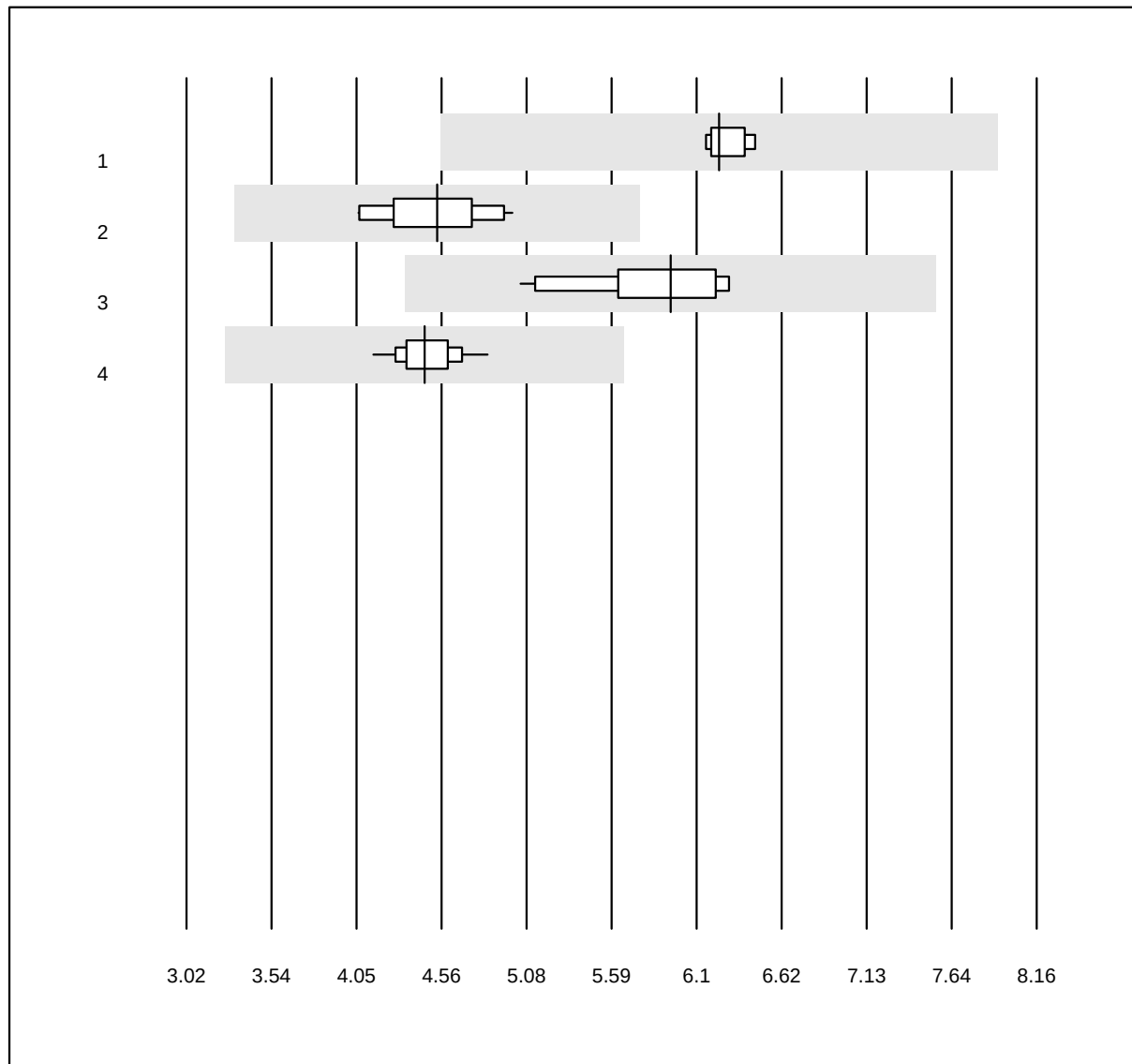
MQ Toleranz: 25%

C-Peptid (nmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	11	100.0	0.0	0.0	3.86	3.3	e
2	Other methods	4	100.0	0.0	0.0	4.41	2.3	e

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

Procalcitonin



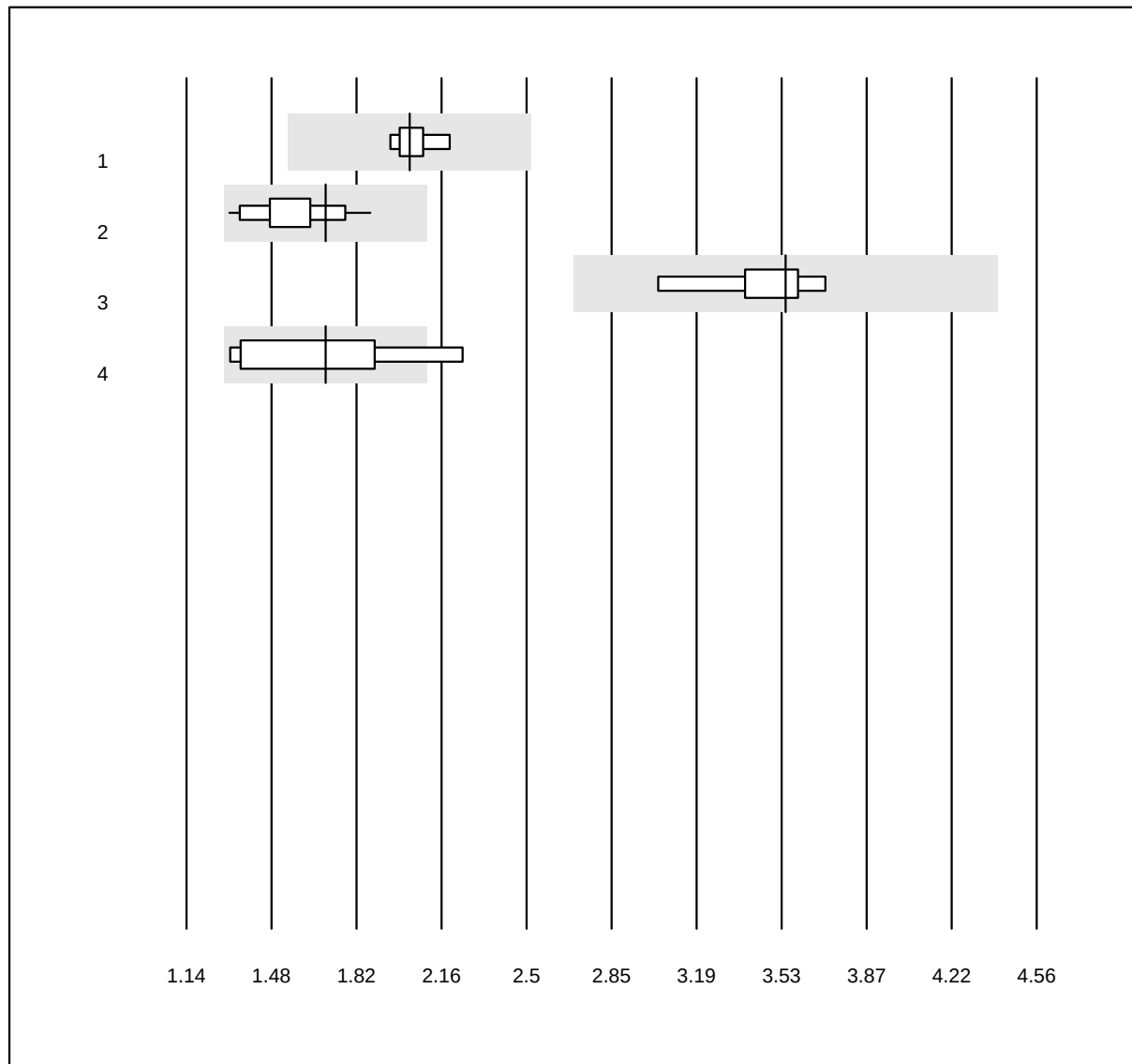
QUALAB Toleranz: 27%

Procalcitonin (µg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	6	100.0	0.0	0.0	6.24	1.7	e
2 VIDAS	14	100.0	0.0	0.0	4.54	6.7	e
3 Siemens	11	100.0	0.0	0.0	5.95	6.6	e
4 Roche	23	100.0	0.0	0.0	4.46	3.6	e

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

Parathyroid hormone



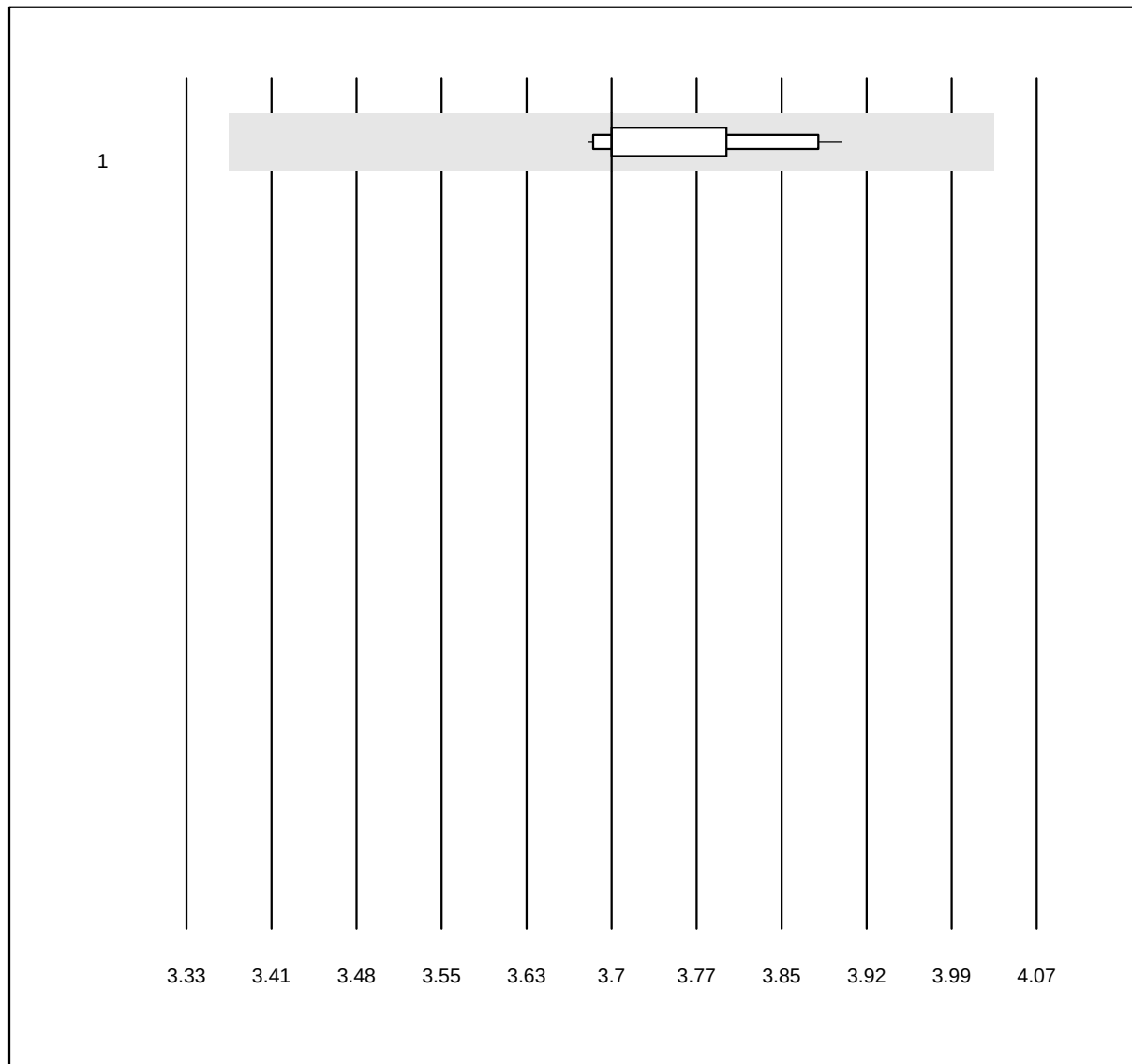
QUALAB Toleranz: 24%

Parathyroid hormone
(pmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Cobas	8	100.0	0.0	0.0	2.0	3.5	e
2 Cobas PTH STAT	17	100.0	0.0	0.0	1.7	9.3	a
3 ADVIA Centaur XP/CP	8	100.0	0.0	0.0	3.5	5.7	e
4 Other methods	4	100.0	0.0	0.0	1.7	19.3	a*

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

Glucose-K22

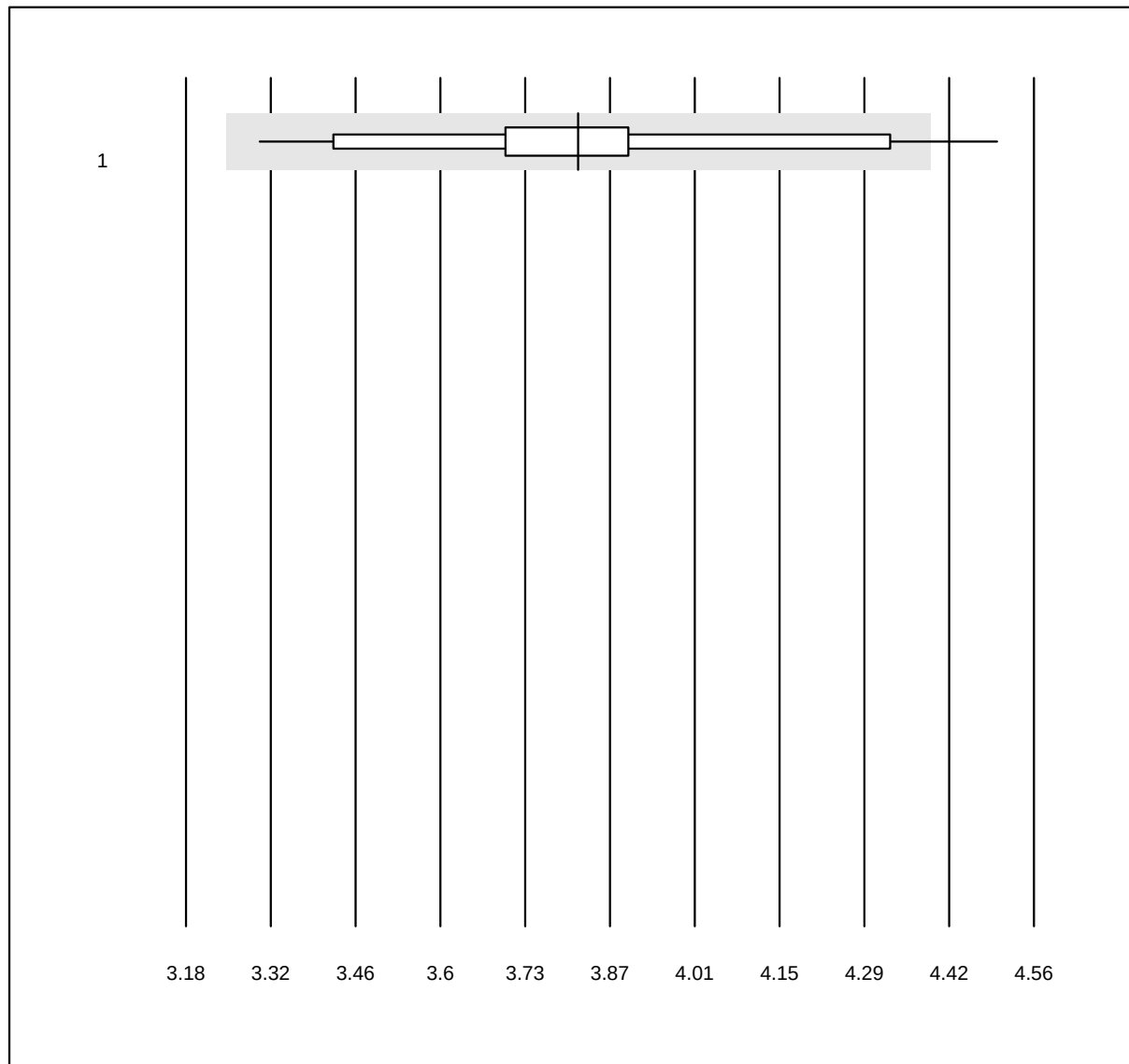


QUALAB Toleranz: 9%

Glucose-K22 (mmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Standard chemistry	13	84.6	0.0	15.4	3.7	1.8	e

Urea-K22

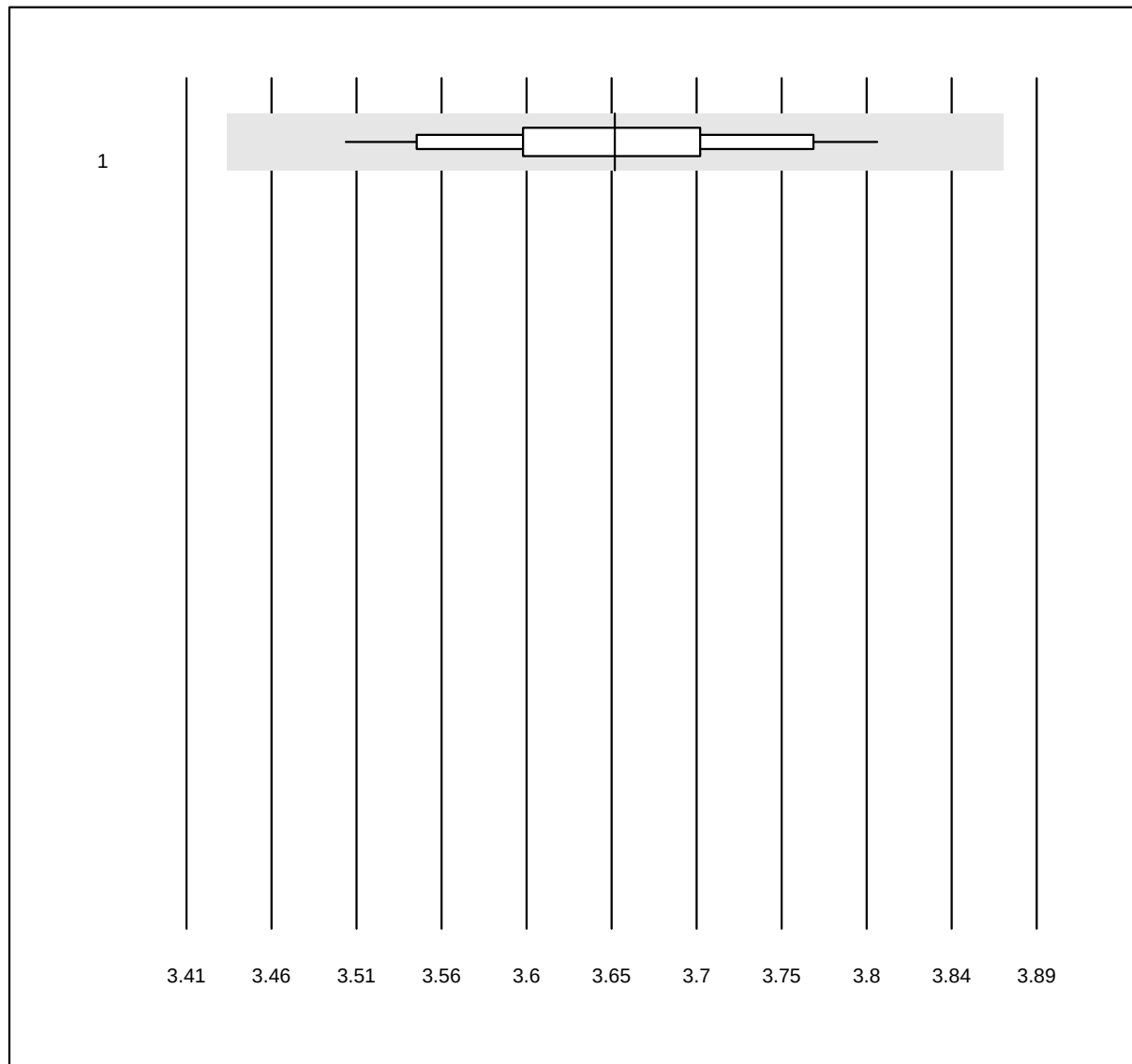


QUALAB Toleranz: 15%

Urea-K22 (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Standard chemistry	13	84.6	7.7	7.7	3.8	7.1	e*

Potassium-K22

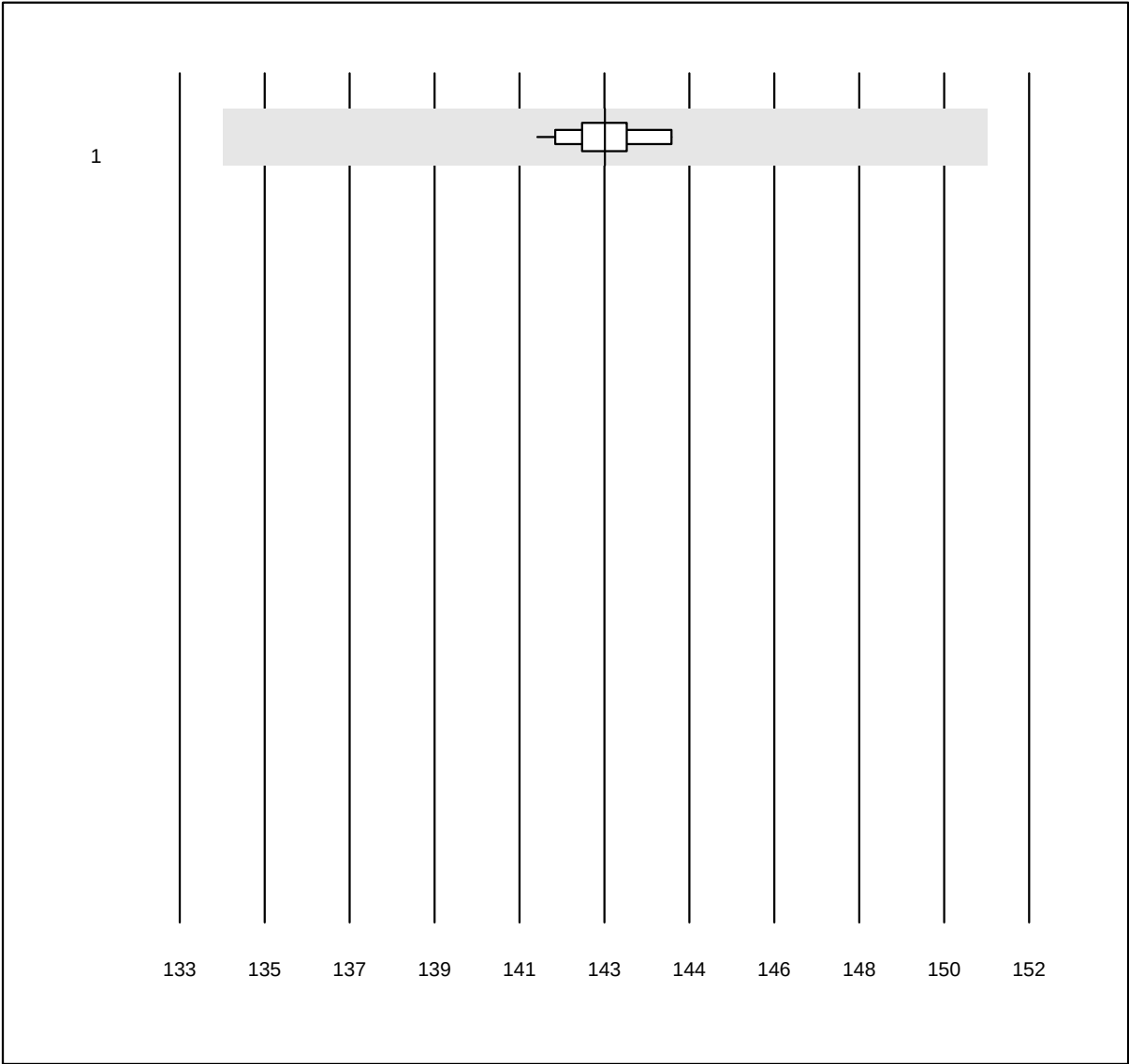


QUALAB Toleranz: 6%

Potassium-K22 (mmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	ISE	13	100.0	0.0	0.0	3.7	2.1	e

Sodium-K22

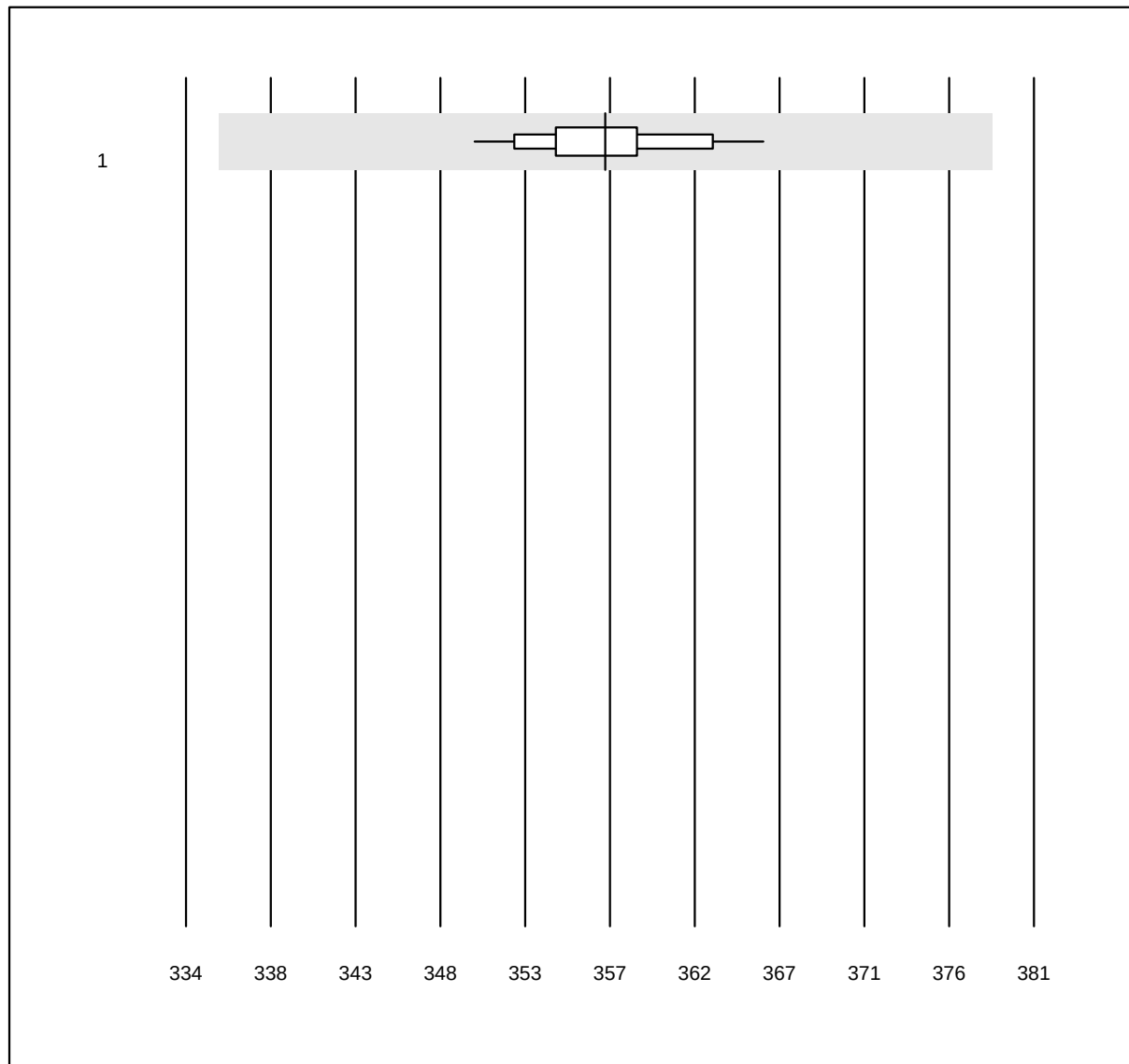


QUALAB Toleranz: 6%

Sodium-K22 (mmol/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	ISE	13	100.0	0.0	0.0	143	0.6	e

Osmolality

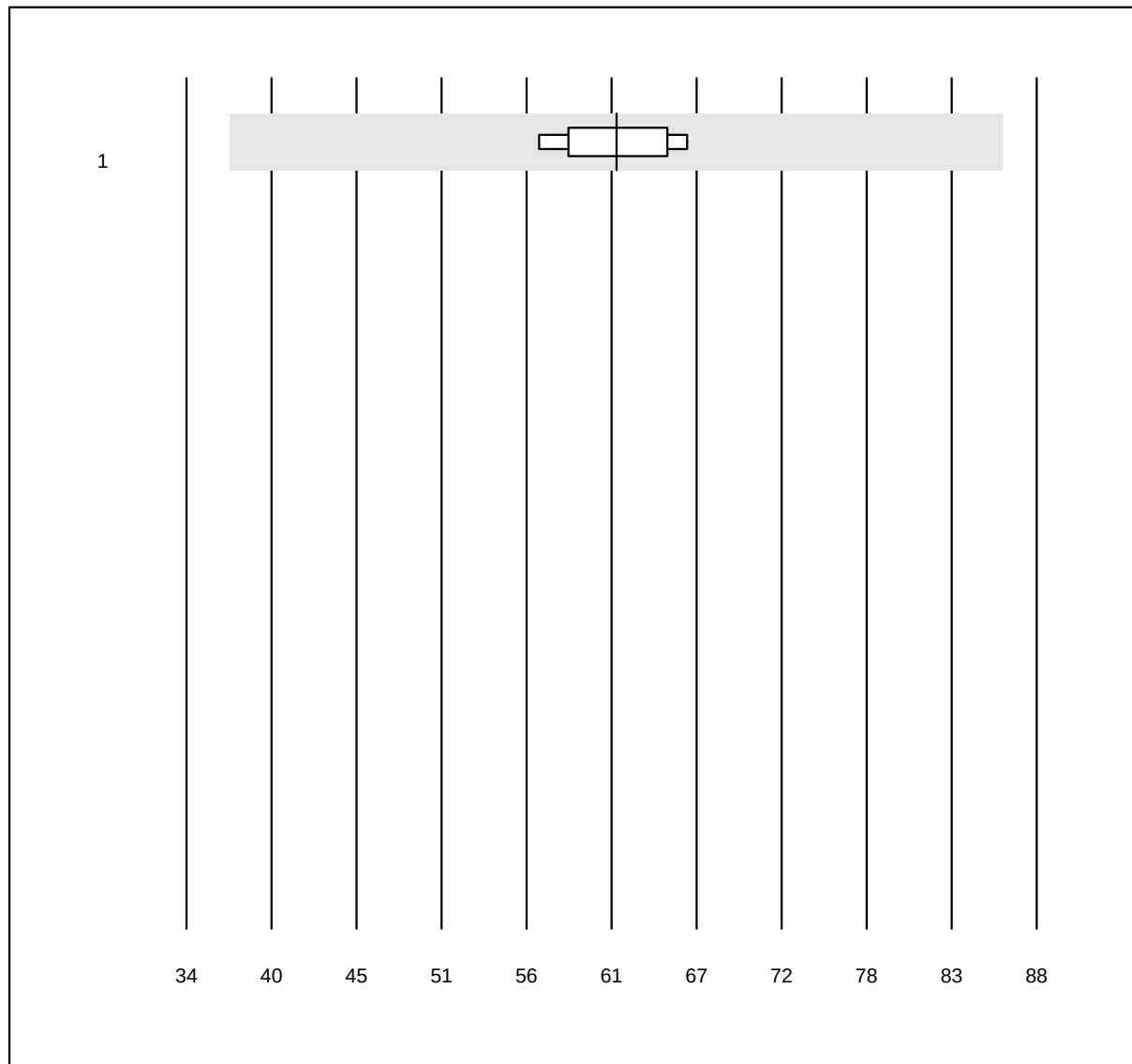


QUALAB Toleranz: 6%

Osmolality (mosm/kg)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Cryoscopy	25	100.0	0.0	0.0	357	1.1	e

Osmotic Gap

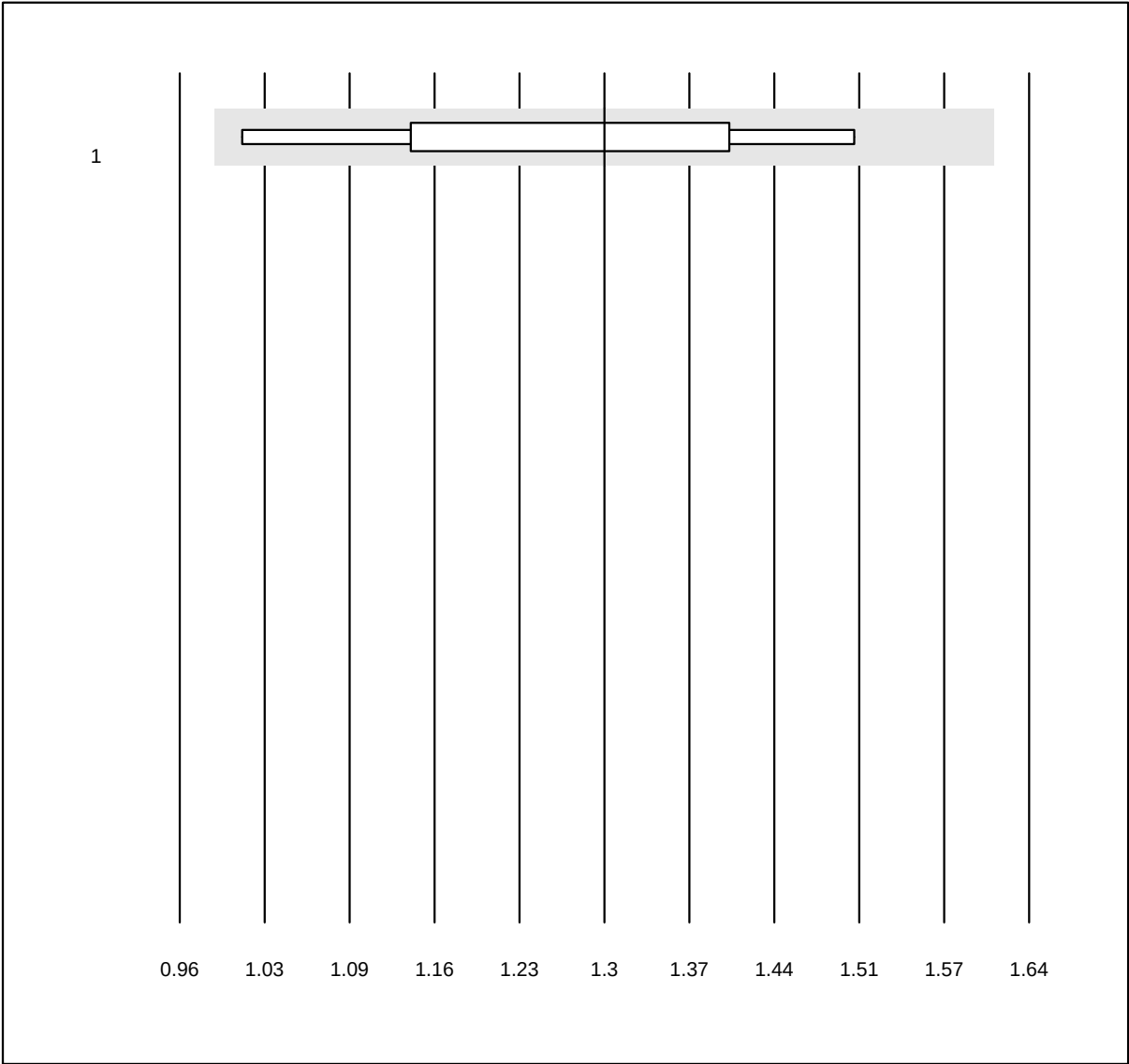


MQ Toleranz: 40%

Osmotic Gap (mmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Formula 1 (2Na+K+Glu+Hst)	9	100.0	0.0	0.0	61.3	5.6	e
1 additional results were submitted but not published because the method groups were too small. (< results per group)								

Digoxin

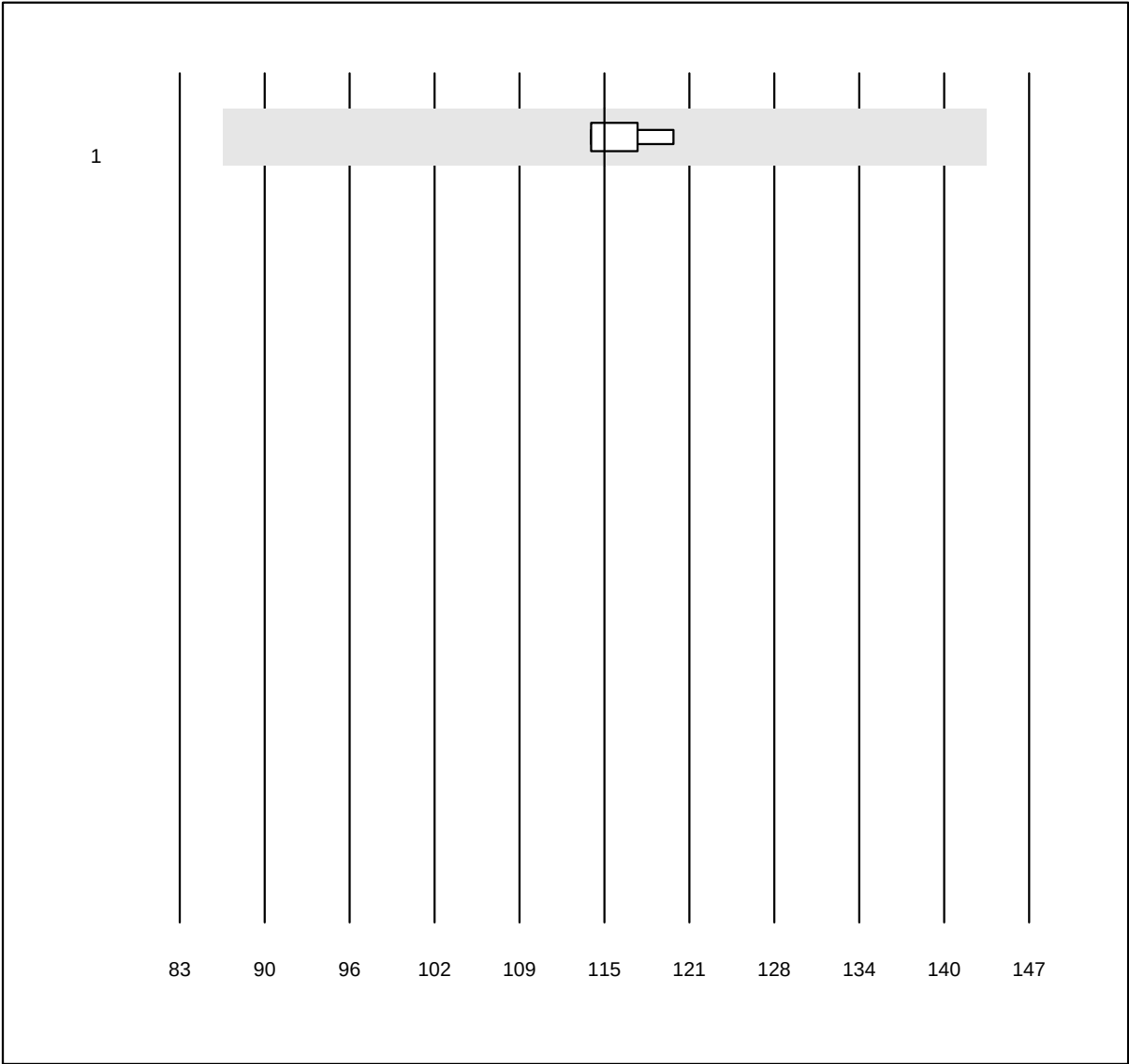


QUALAB Toleranz: 24%

Digoxin (nmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Other methods	9	100.0	0.0	0.0	1.30	12.9	e*
1 additional results were submitted but not published because the method groups were too small. (< results per group)								

Paracetamol

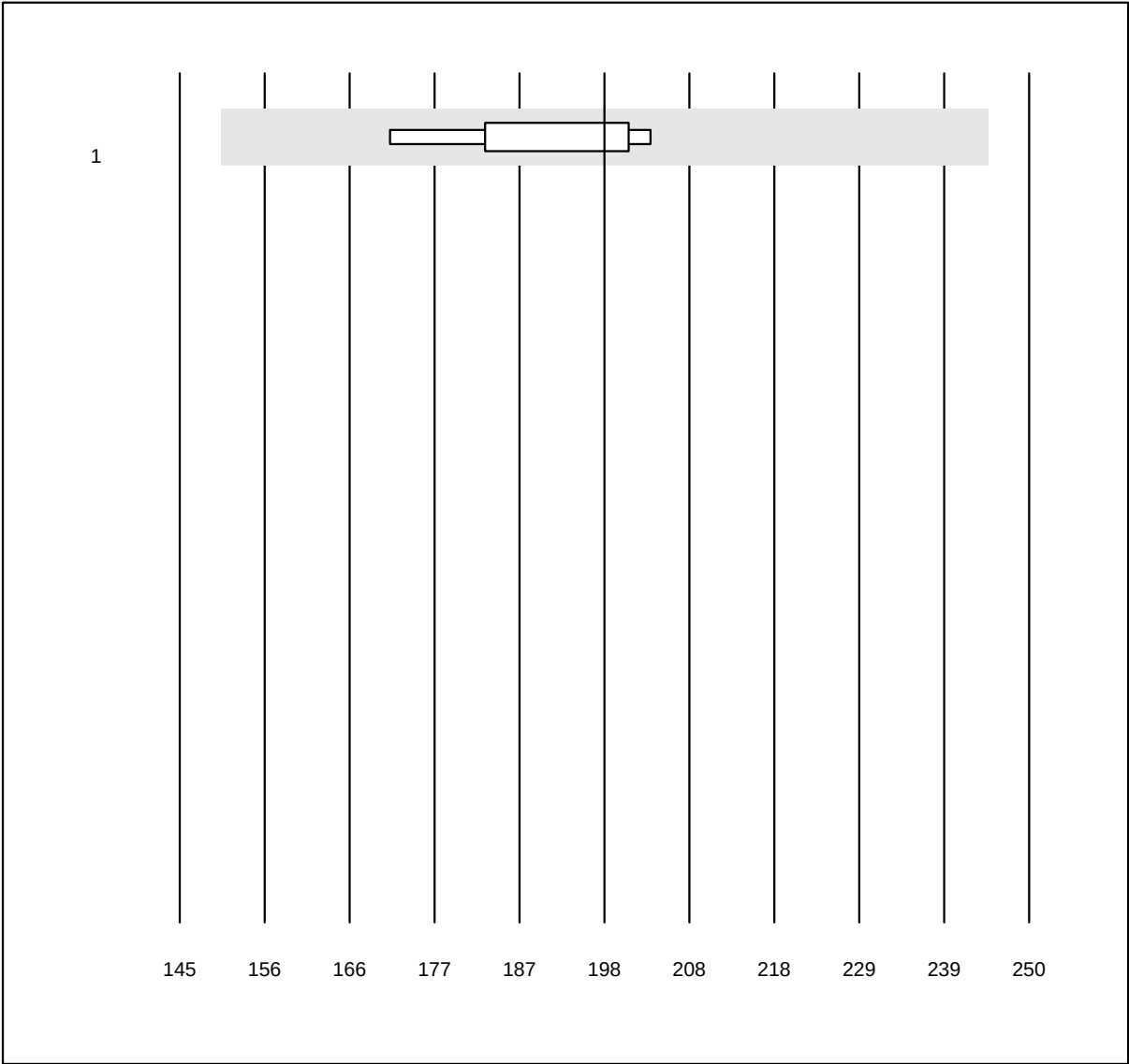


MQ Toleranz: 25%

Paracetamol (µmol/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	5	100.0	0.0	0.0	115.0	1.8	e
1 additional results were submitted but not published because the method groups were too small. (< results per group)								

Valproat

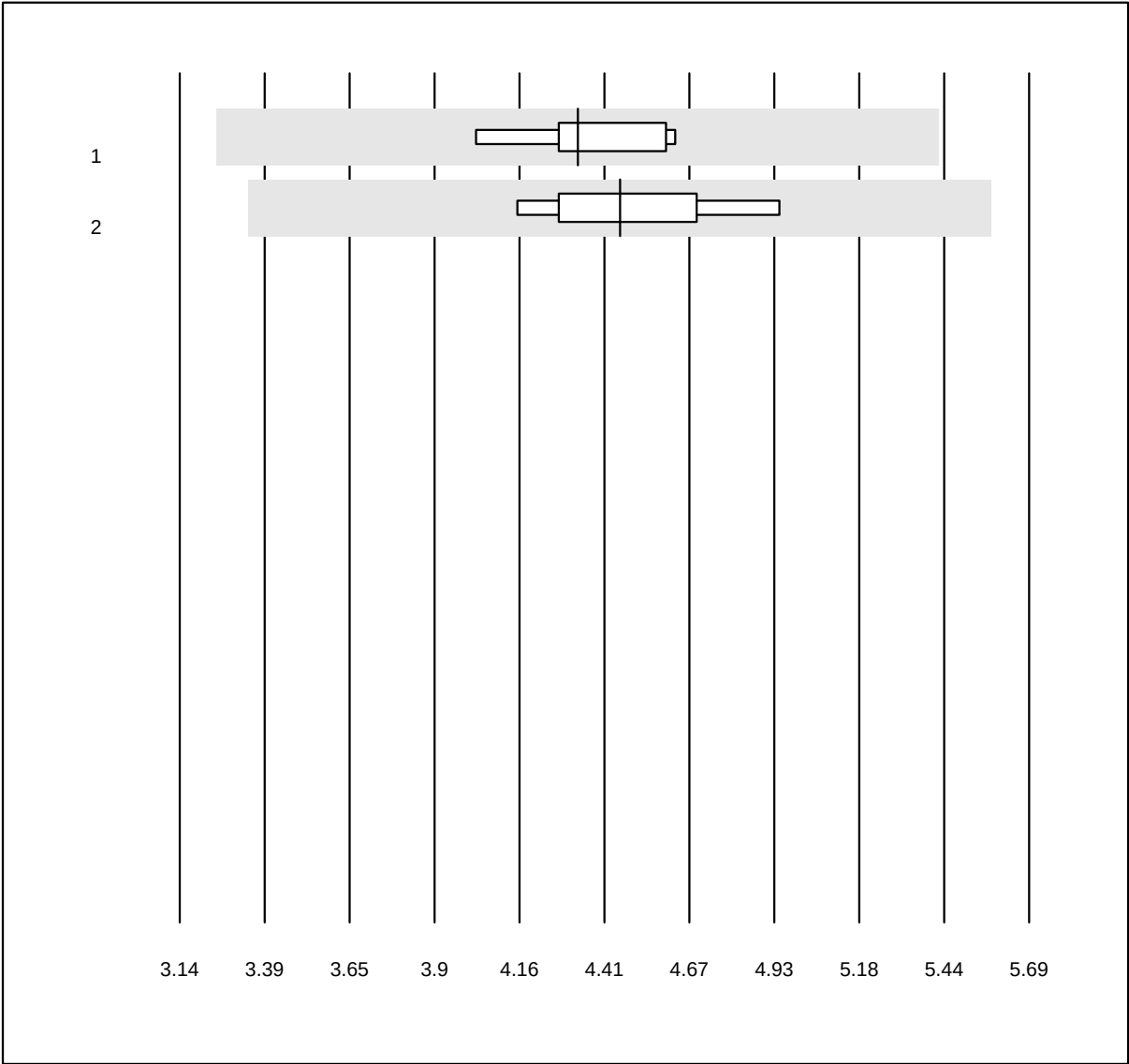


MQ Toleranz: 24%

Valproat (µmol/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	all Participants	8	100.0	0.0	0.0	197.5	5.8	e

Vancomycin



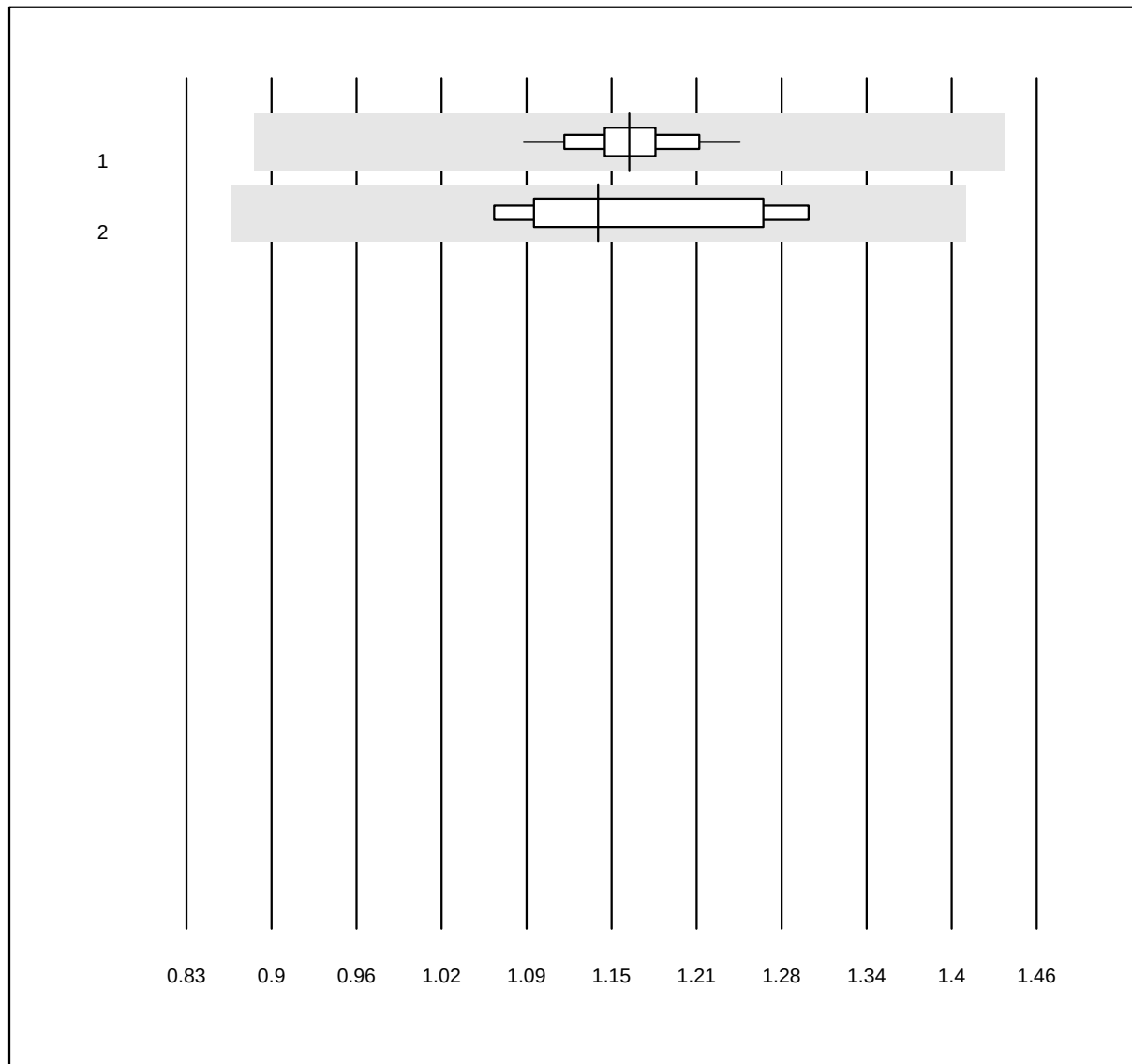
MQ Toleranz: 25%

Vancomycin ($\mu\text{mol/l}$)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	7	100.0	0.0	0.0	4.3	4.4	e
2	Siemens	5	100.0	0.0	0.0	4.5	5.2	e

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

Cystatin C



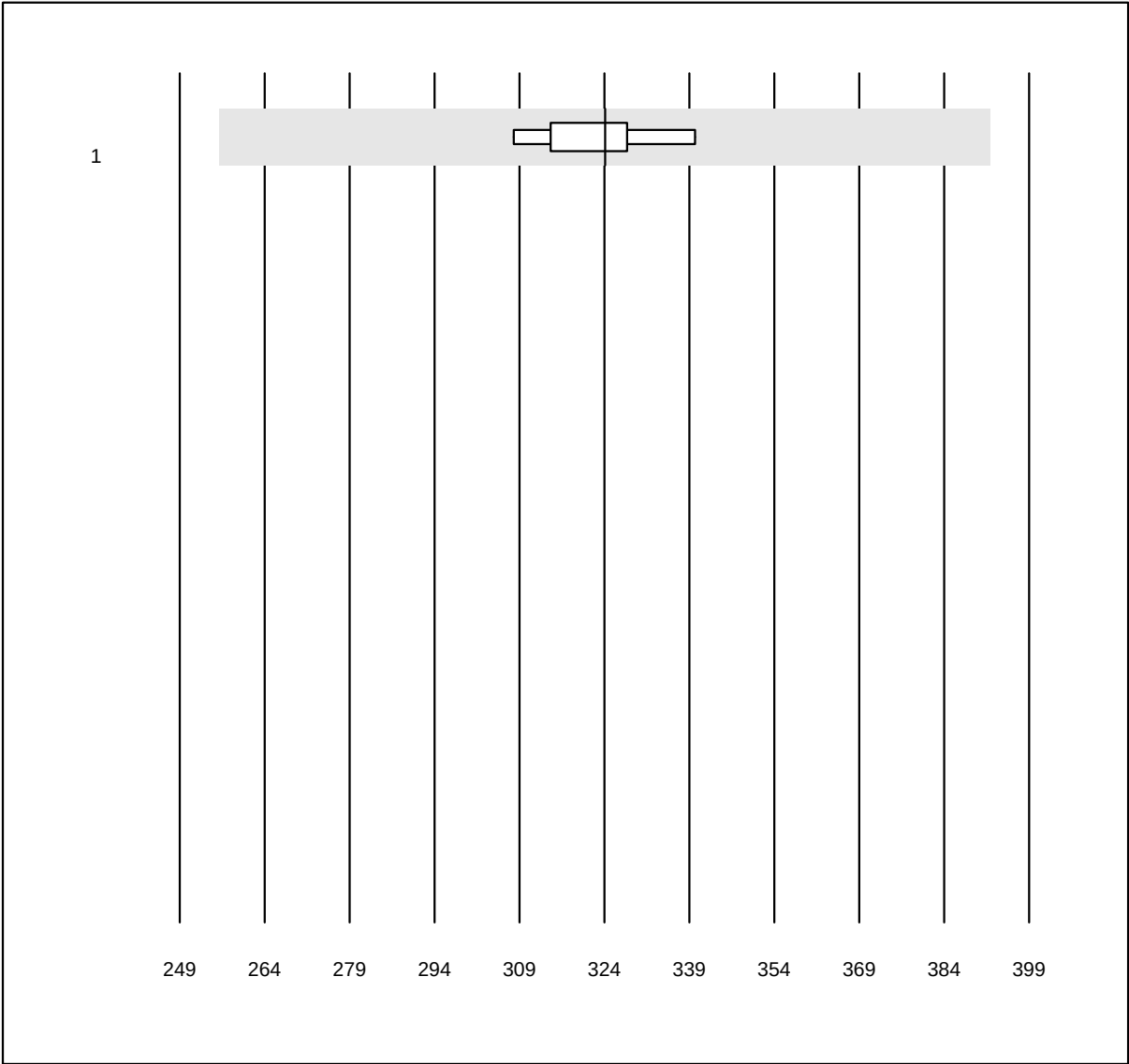
MQ Toleranz: 24%

Cystatin C (mg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	24	100.0	0.0	0.0	1.16	3.0	e
2 Nephelometry	8	100.0	0.0	0.0	1.14	7.5	e

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

Ammonia

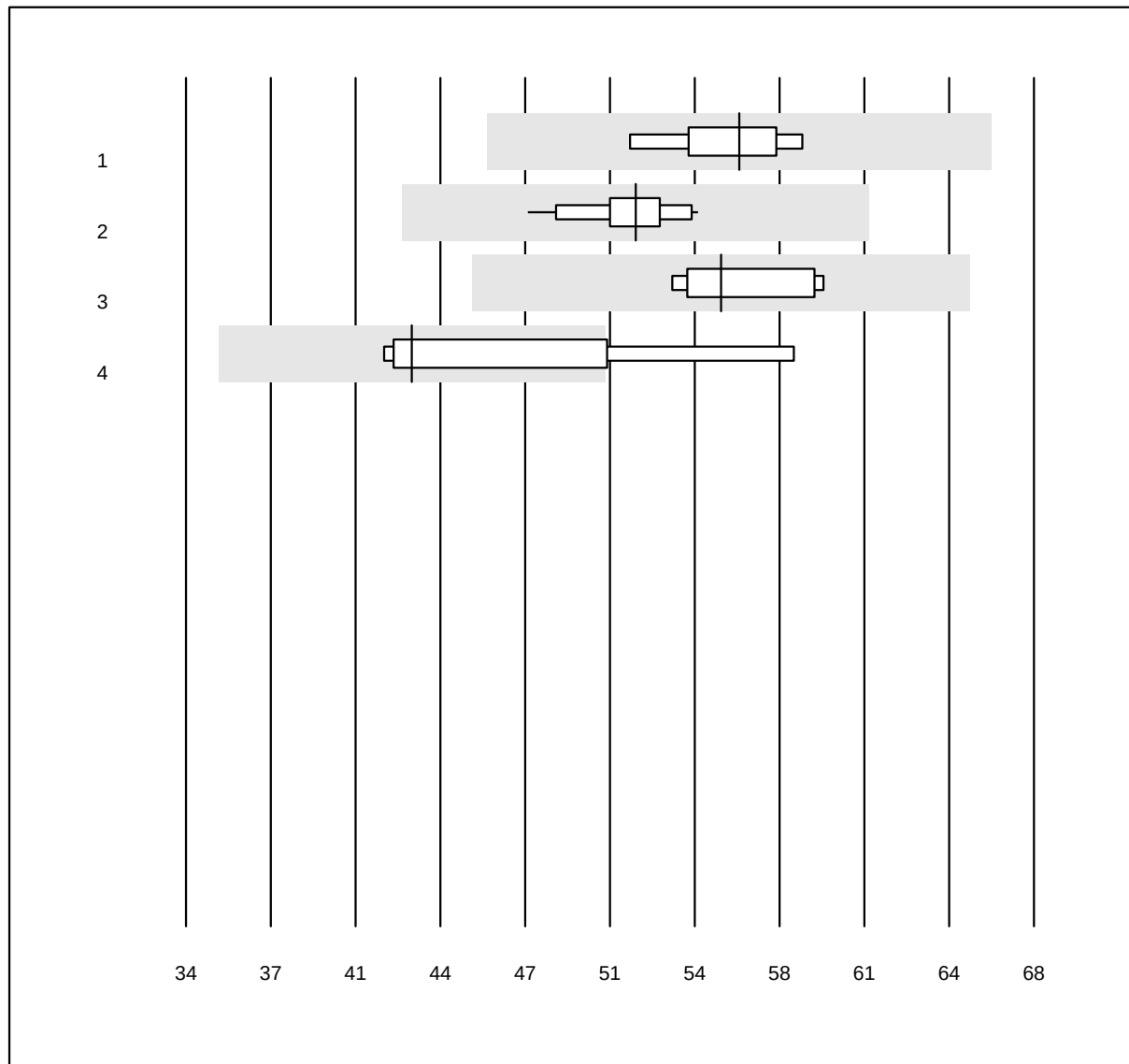


QUALAB Toleranz: 21%

Ammonia (µmol/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	10	90.0	0.0	10.0	324.1	3.0	e
3 additional results were submitted but not published because the method groups were too small. (< results per group)								

Ethanol

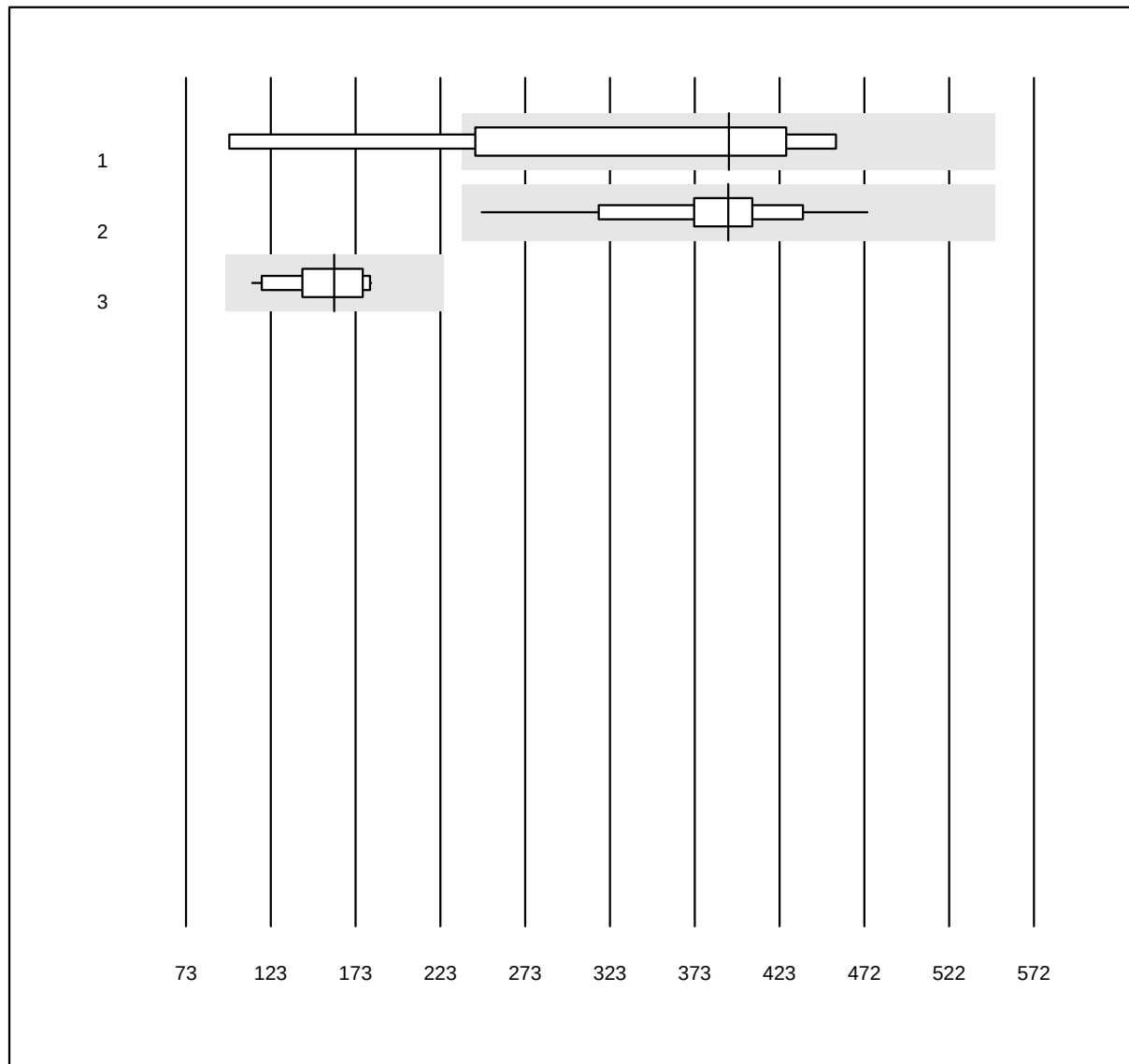


QUALAB Toleranz: 18%

Ethanol (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	5	100.0	0.0	0.0	56.2	3.6	e
2 Roche	28	96.4	0.0	3.6	52.0	3.4	e
3 Siemens	8	87.5	0.0	12.5	55.5	4.2	e
4 Others	4	75.0	25.0	0.0	43.1	11.7	e*

Calprotectin



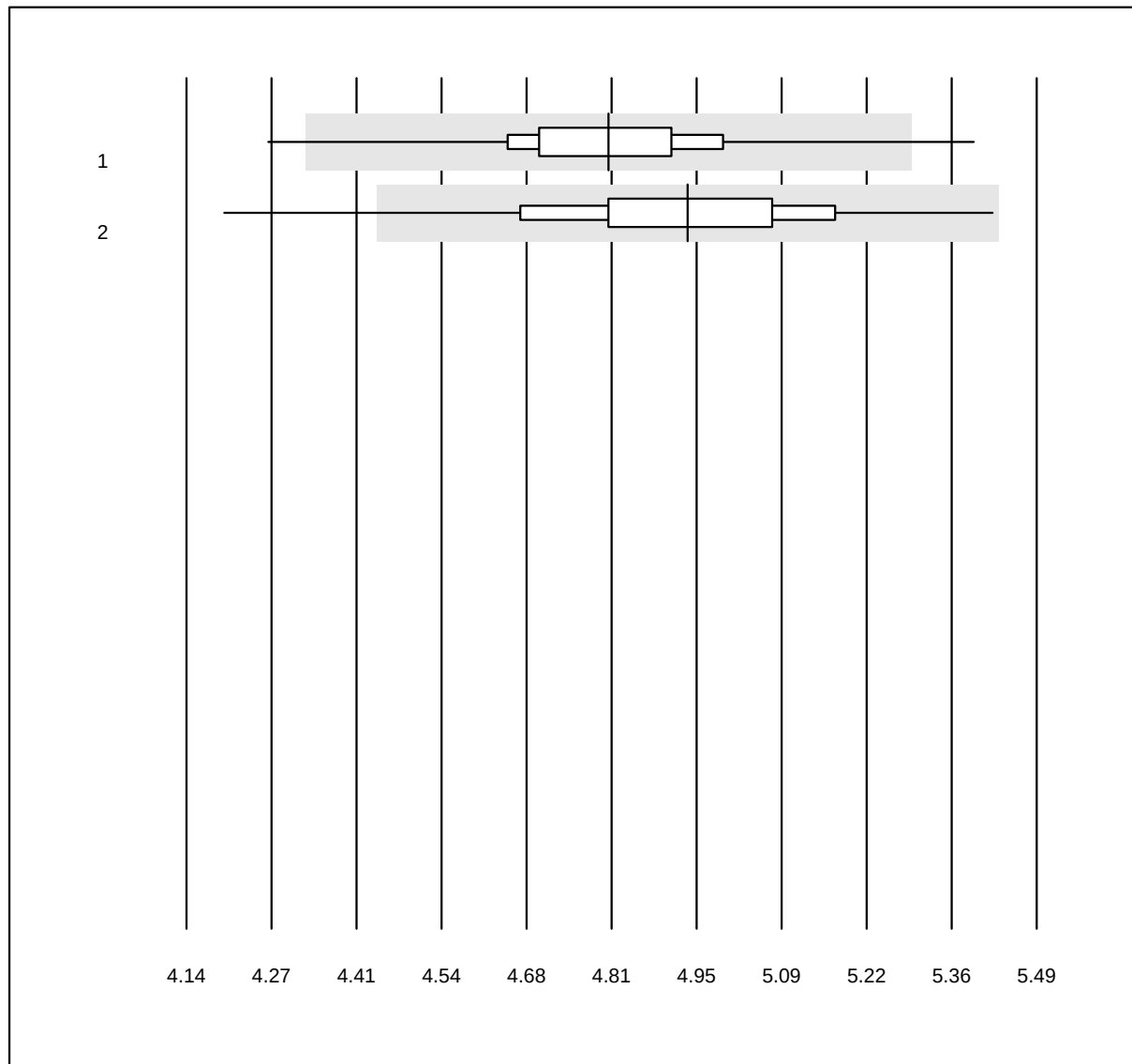
MQ Toleranz: 40%

Calprotectin (µg/g)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Bühlmann Quantum Blue	4	75.0	25.0	0.0	393	30.5	e*
2 Bühlmann fCALturbo	23	95.7	0.0	4.3	392	12.0	e
3 Liaison	16	100.0	0.0	0.0	160	14.0	e

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

Cholesterol total Af/b101

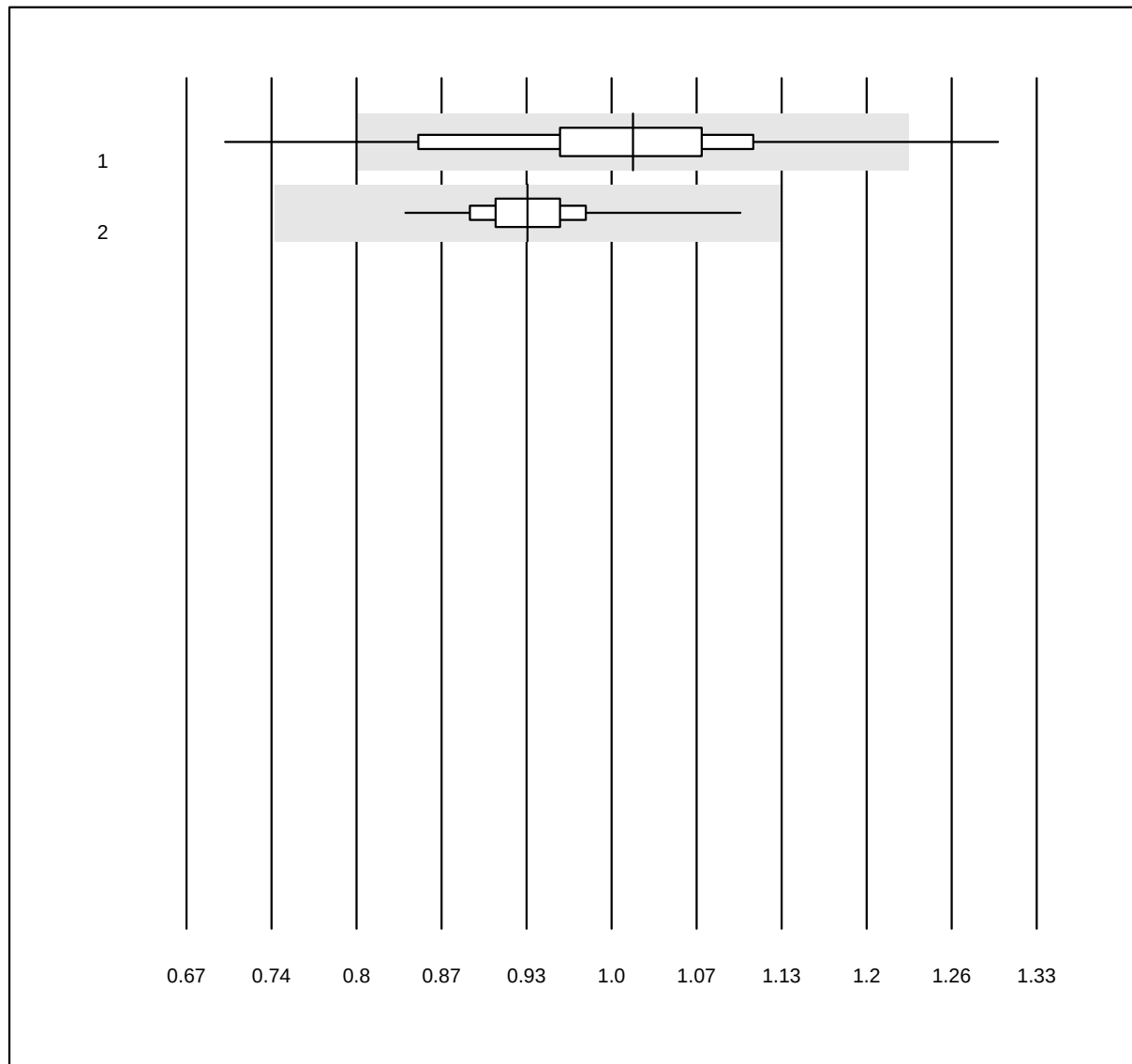


QUALAB Toleranz: 10%

Cholesterol total Af/b101
(mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Cobas b101/Click	369	98.6	0.8	0.5	4.81	2.8	e
2 Afinion	514	98.4	0.6	1.0	4.94	3.8	e

HDL-Cholesterol Af/b101

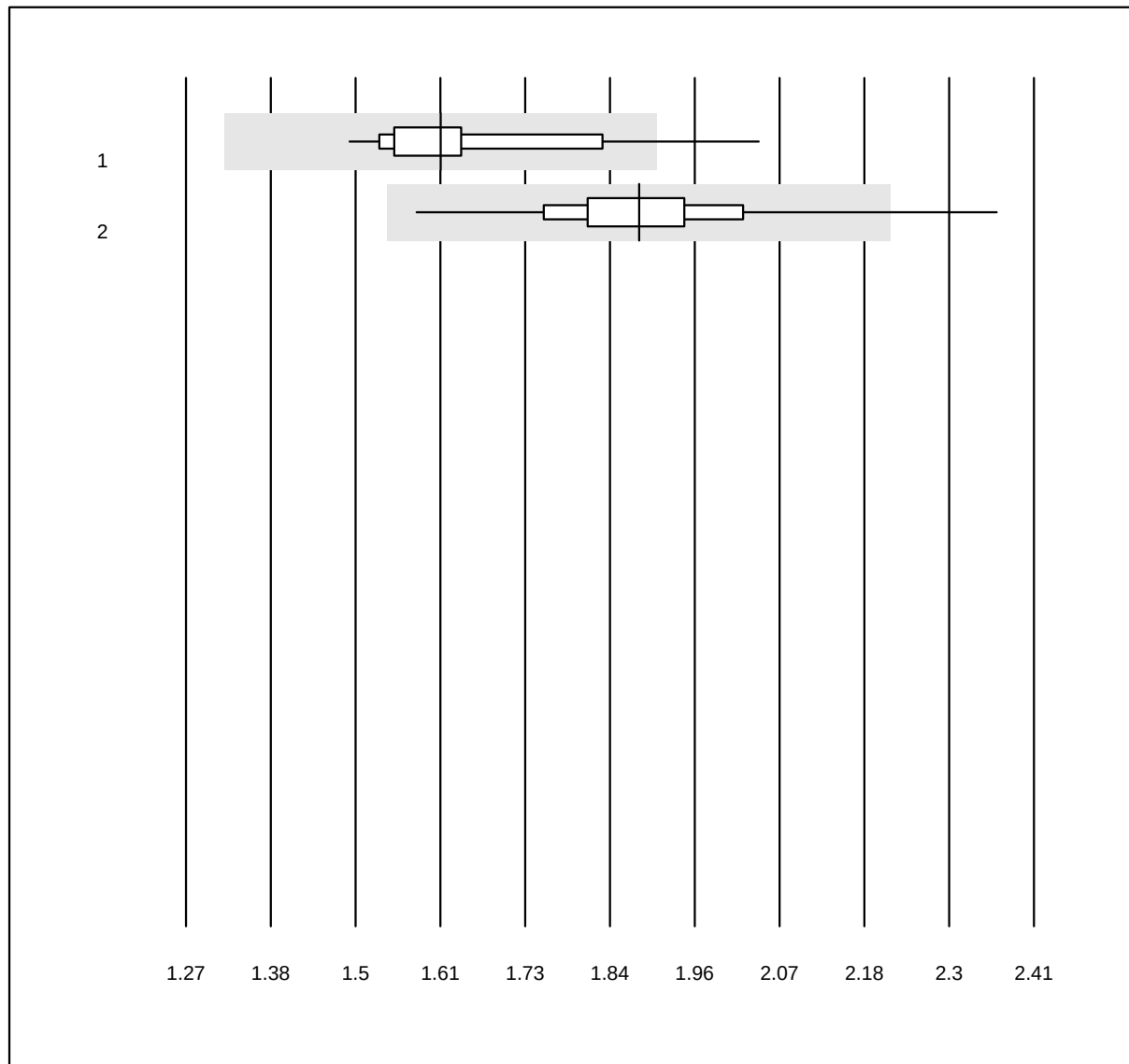


QUALAB Toleranz: 21%

HDL-Cholesterol Af/b101
(mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Cobas b101/Click	367	92.6	4.4	3.0	1.02	9.9	e
2 Afinion	514	97.1	0.0	2.9	0.93	3.9	e

Tryglicerides Af/b101

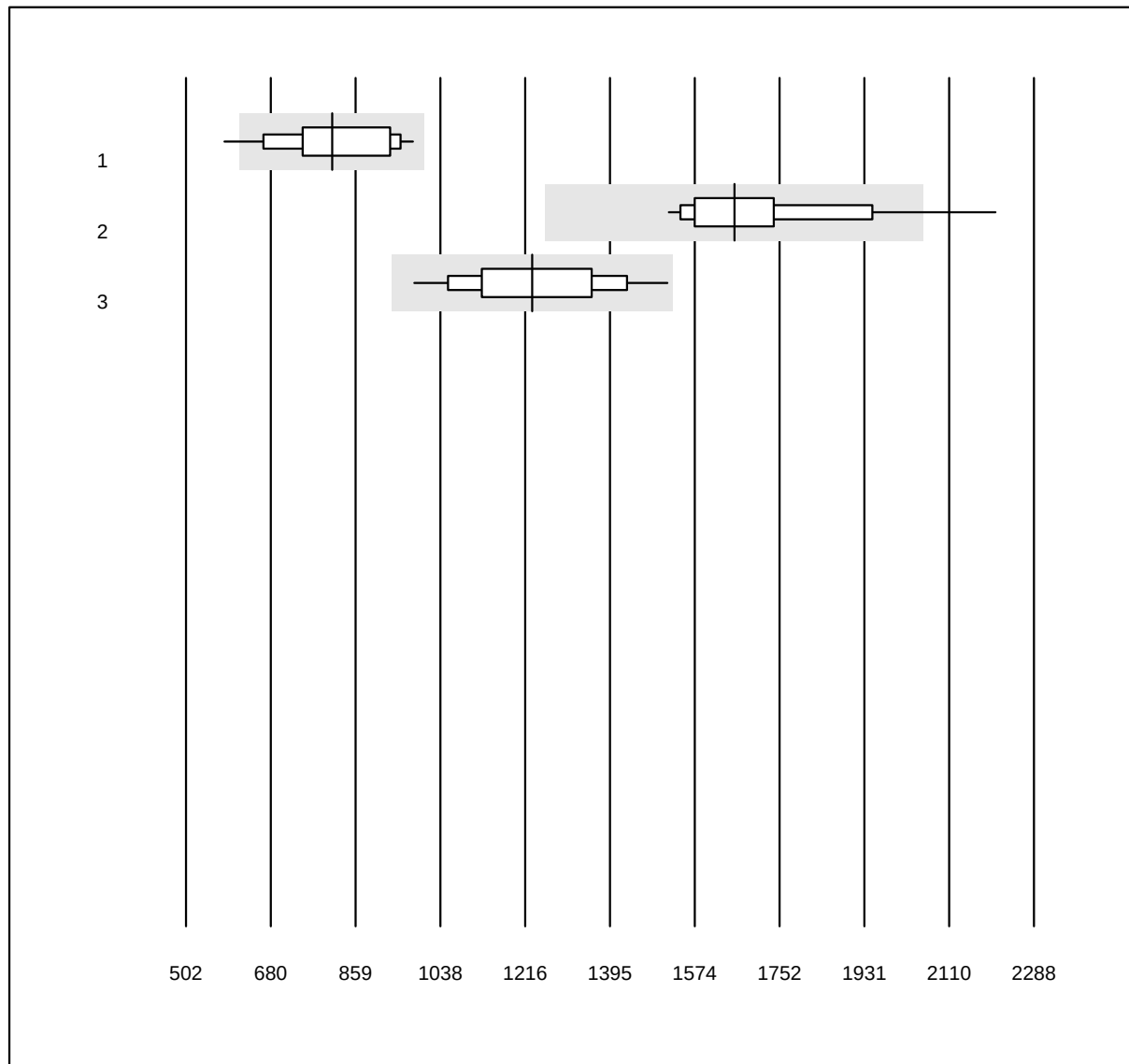


QUALAB Toleranz: 18%

Tryglicerides Af/b101
(mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Cobas b101/Click	367	93.7	3.3	3.0	1.61	7.0	e
2 Afinion	515	98.1	1.0	1.0	1.88	6.0	e

Troponin I AFIAS

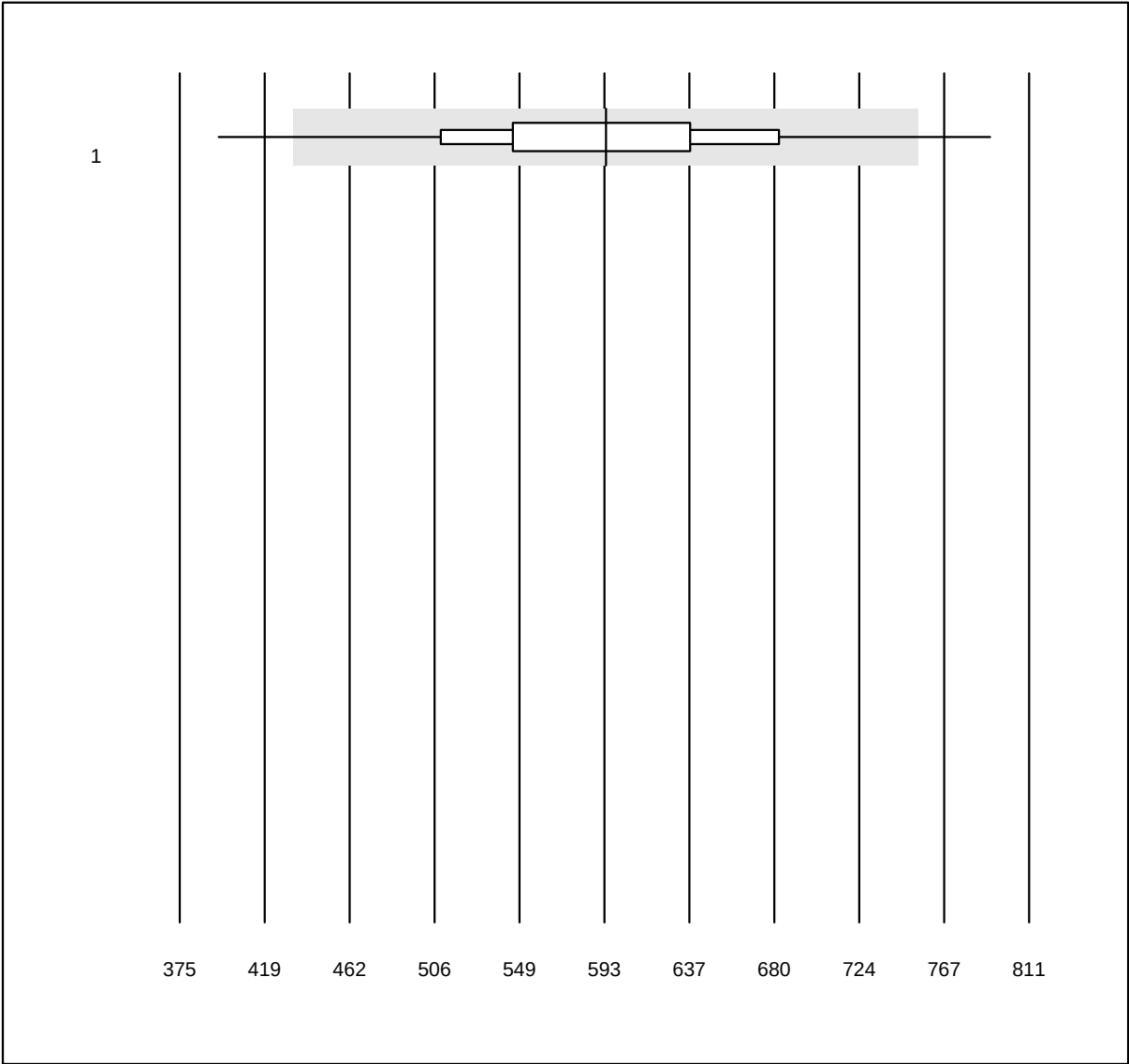


QUALAB Toleranz: 24%

Troponin I AFIAS (ng/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Afias (Lot Gen 1)	131	97.7	2.3	0.0	810.00	12.9	a
2 Afias (Lot-Gen 2)	87	94.3	3.4	2.3	1657.28	9.1	e
3 AFIAS	487	92.2	0.0	7.8	1231.28	11.2	e

NT-proBNP AFIAS

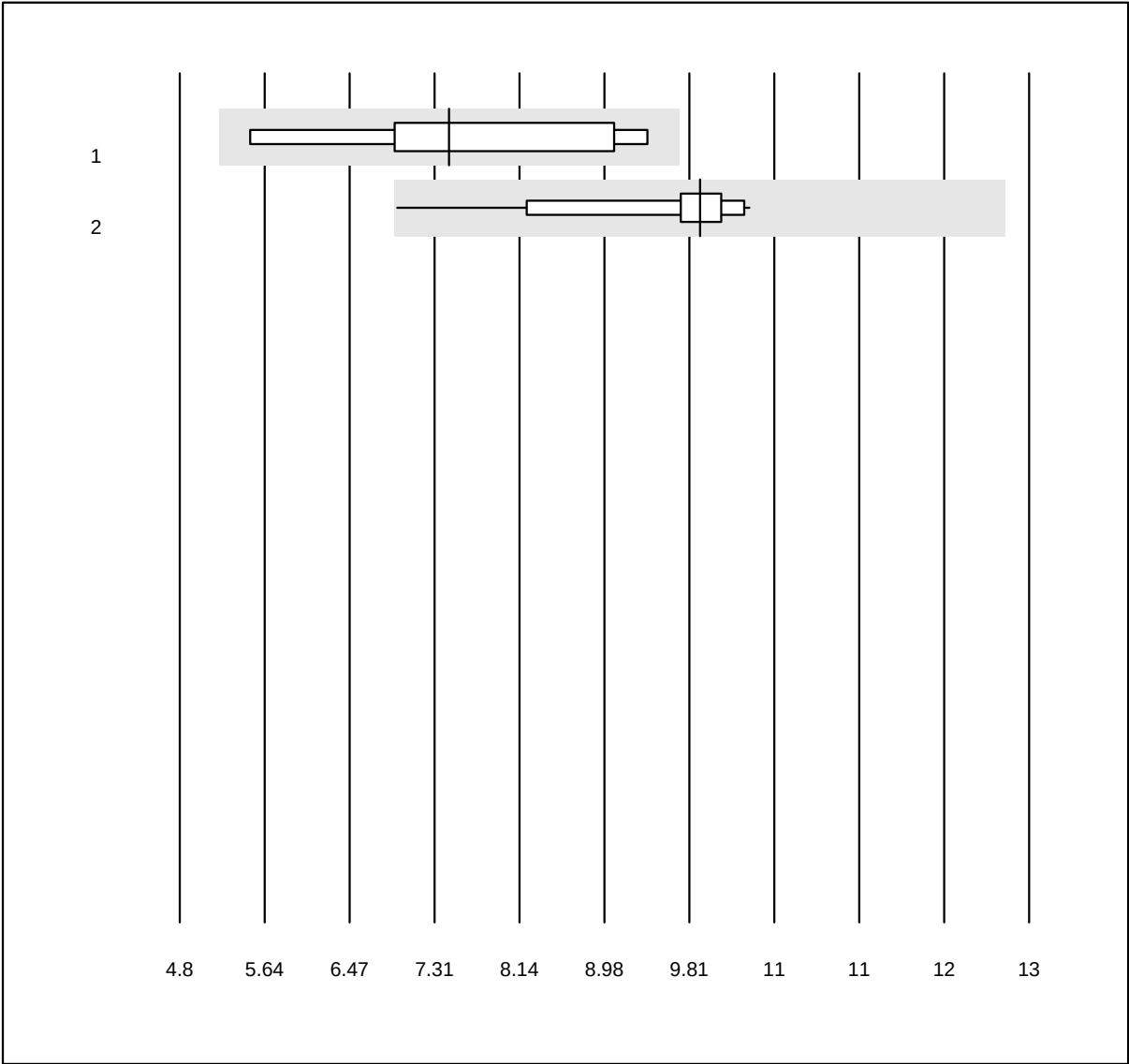


QUALAB Toleranz: 27%

NT-proBNP AFIAS (ng/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	AFIAS	549	94.0	2.7	3.3	593.8	11.3	e

Homocystein

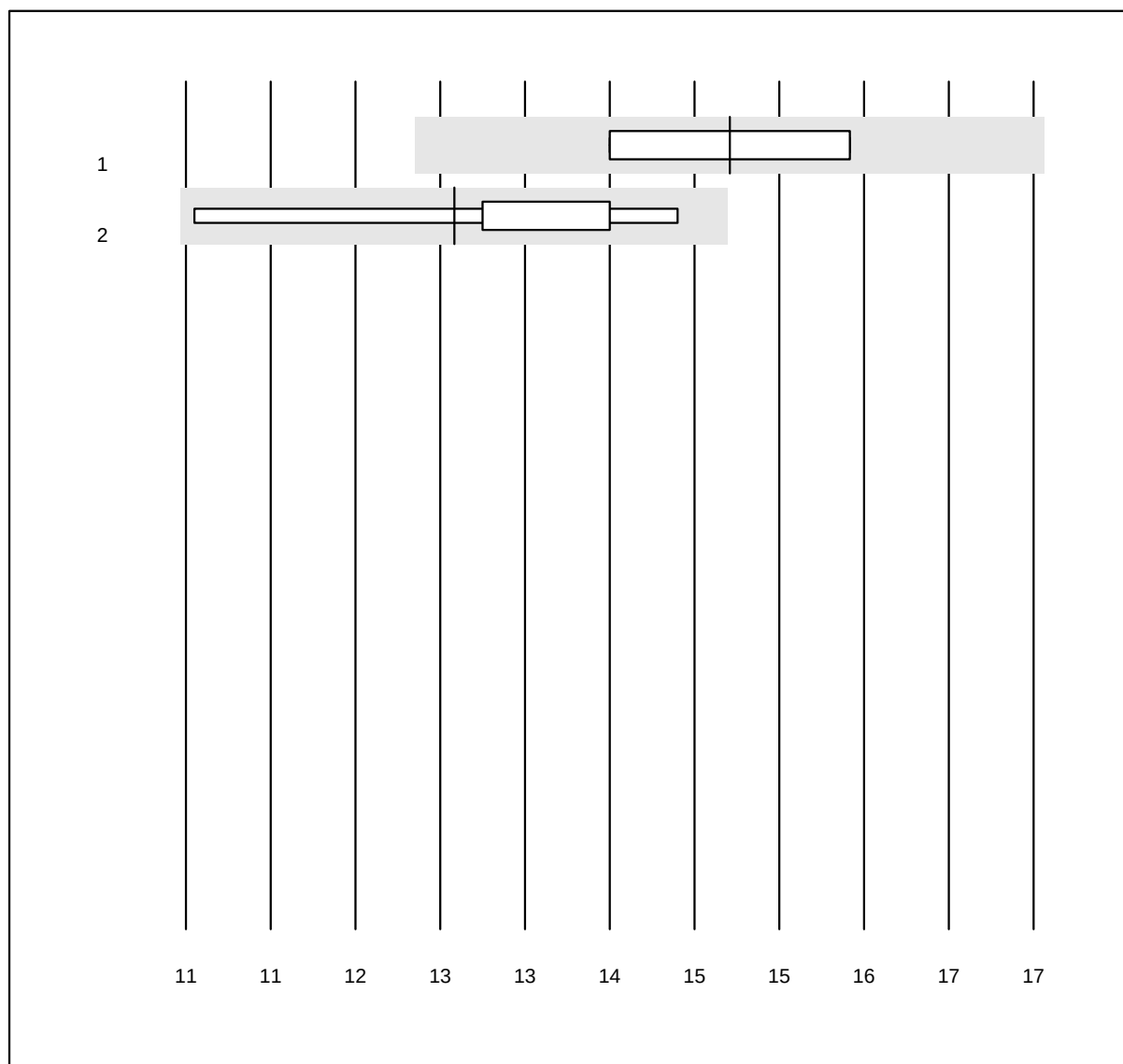


MQ Toleranz: 30%

Homocystein (μmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Abbott	8	100.0	0.0	0.0	7.4	16.4	e*
2	Roche	14	100.0	0.0	0.0	9.8	8.6	e

Bicarbonat



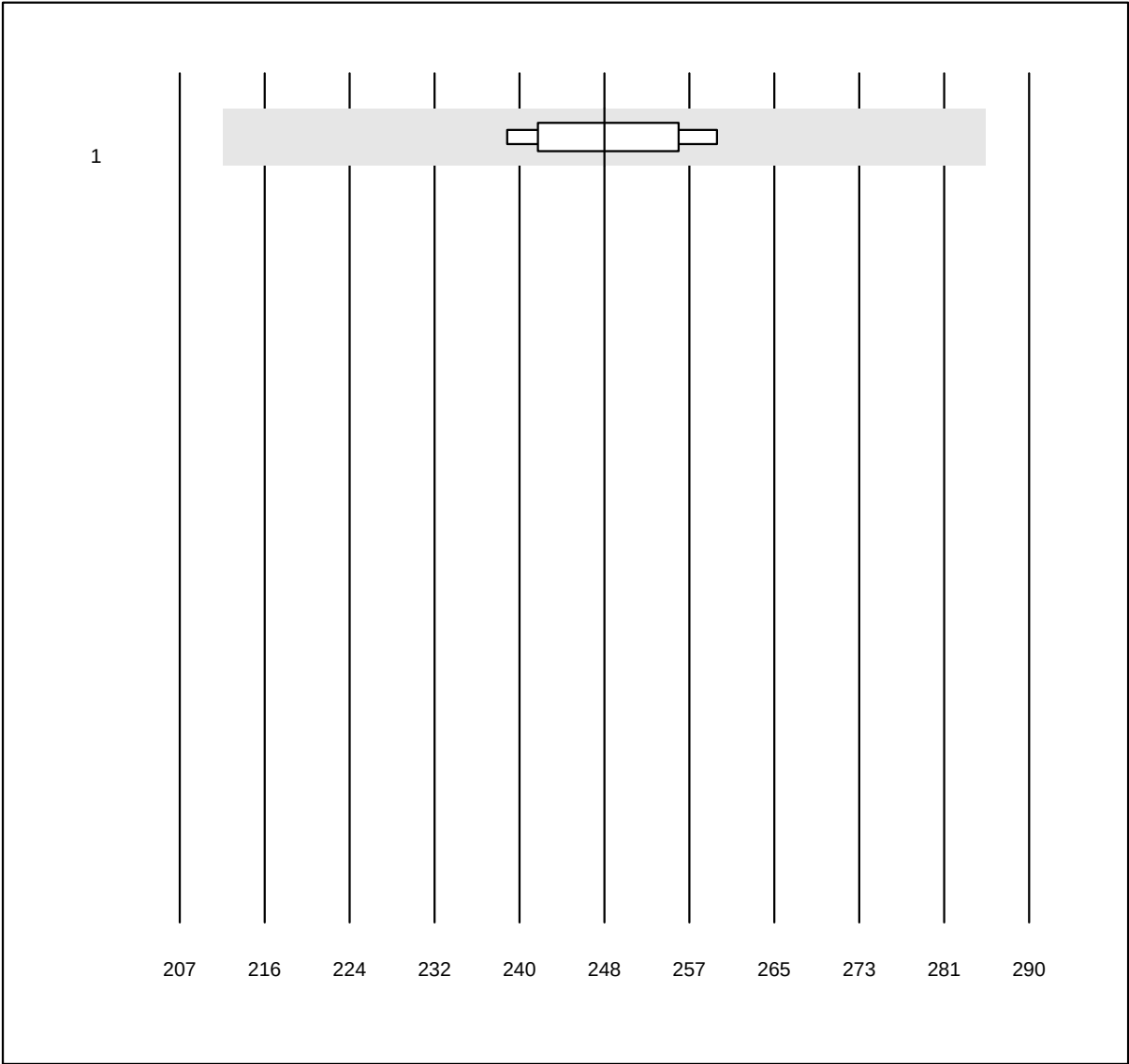
MQ Toleranz: 15%

Bicarbonat (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	4	100.0	0.0	0.0	14.8	6.6	e*
2 Roche	7	100.0	0.0	0.0	12.9	7.4	a*

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

Fructosamine

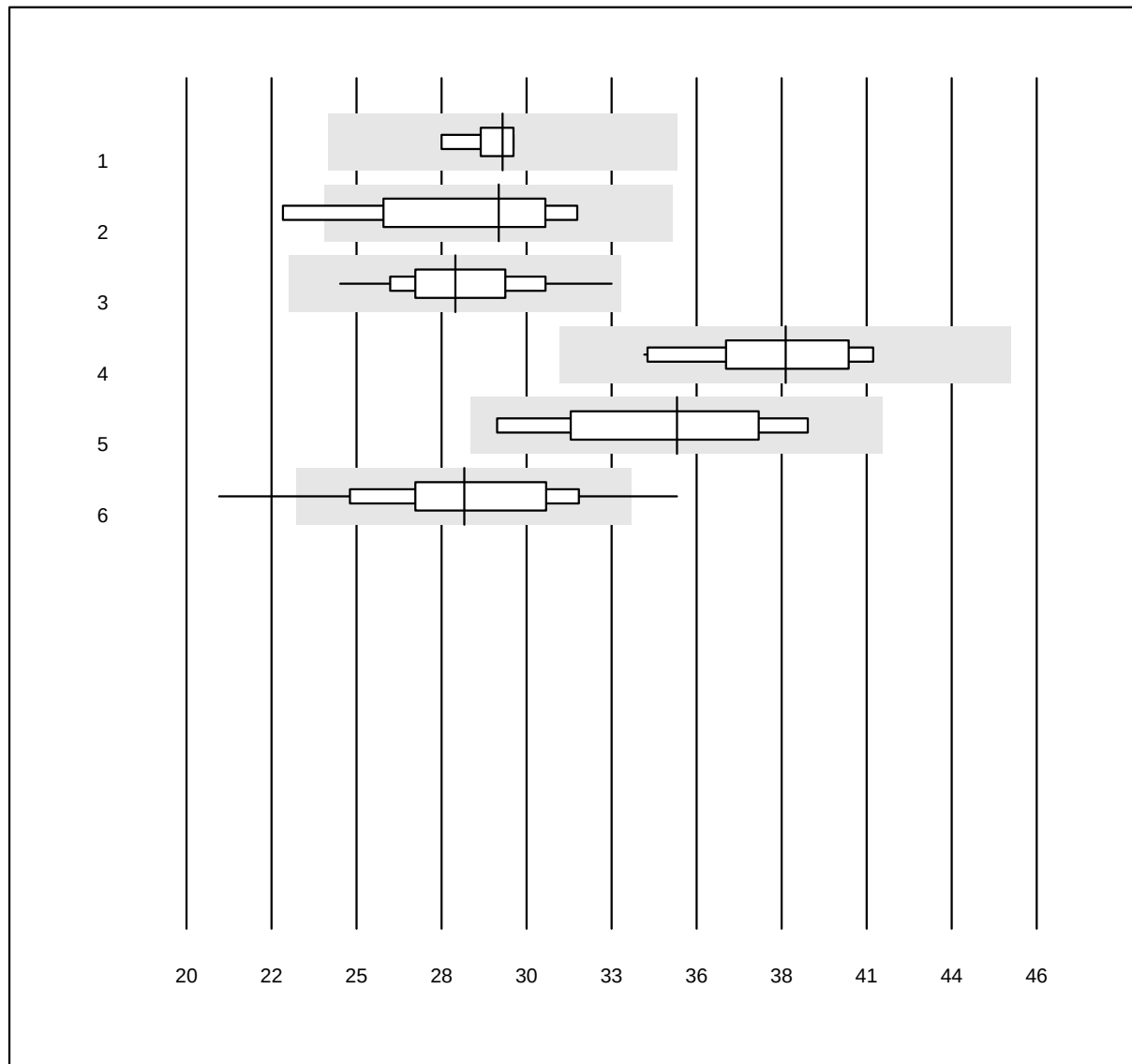


MQ Toleranz: 15%

Fructosamine (μmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Standard chemistry	4	100.0	0.0	0.0	249	2.9	e
1 additional results were submitted but not published because the method groups were too small. (< results per group)								

Lipase



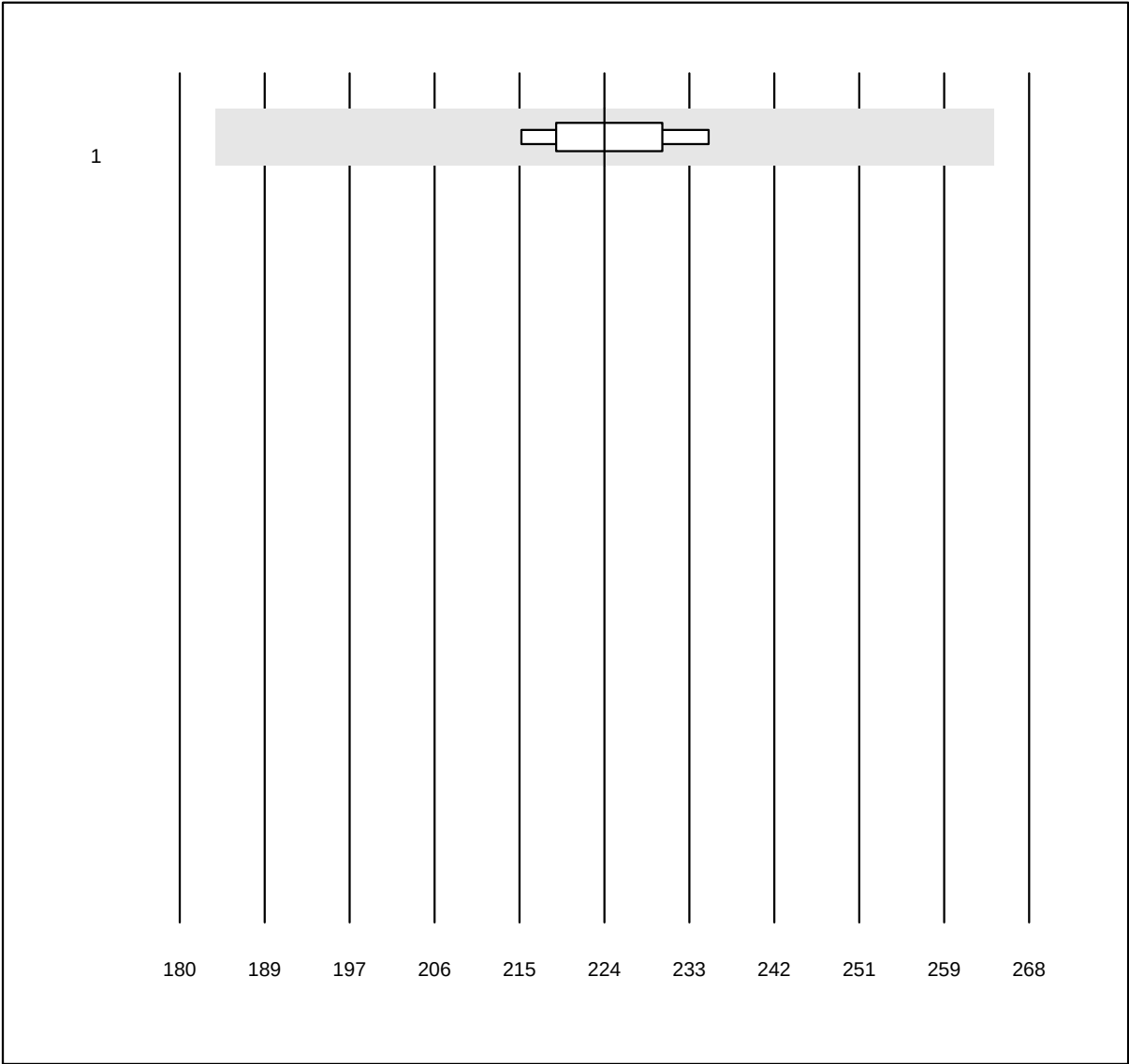
QUALAB Toleranz: 18%

Lipase (U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	7	100.0	0.0	0.0	29.7	2.7	e
2 Beckman	4	100.0	0.0	0.0	29.6	9.4	e*
3 Roche	40	100.0	0.0	0.0	28.2	6.7	e
4 Siemens	10	100.0	0.0	0.0	38.3	6.4	e
5 Autolyser	4	100.0	0.0	0.0	35.0	8.6	e*
6 Fuji Dri-Chem	121	83.5	7.4	9.1	28.5	10.6	e

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

Lipase Vitros

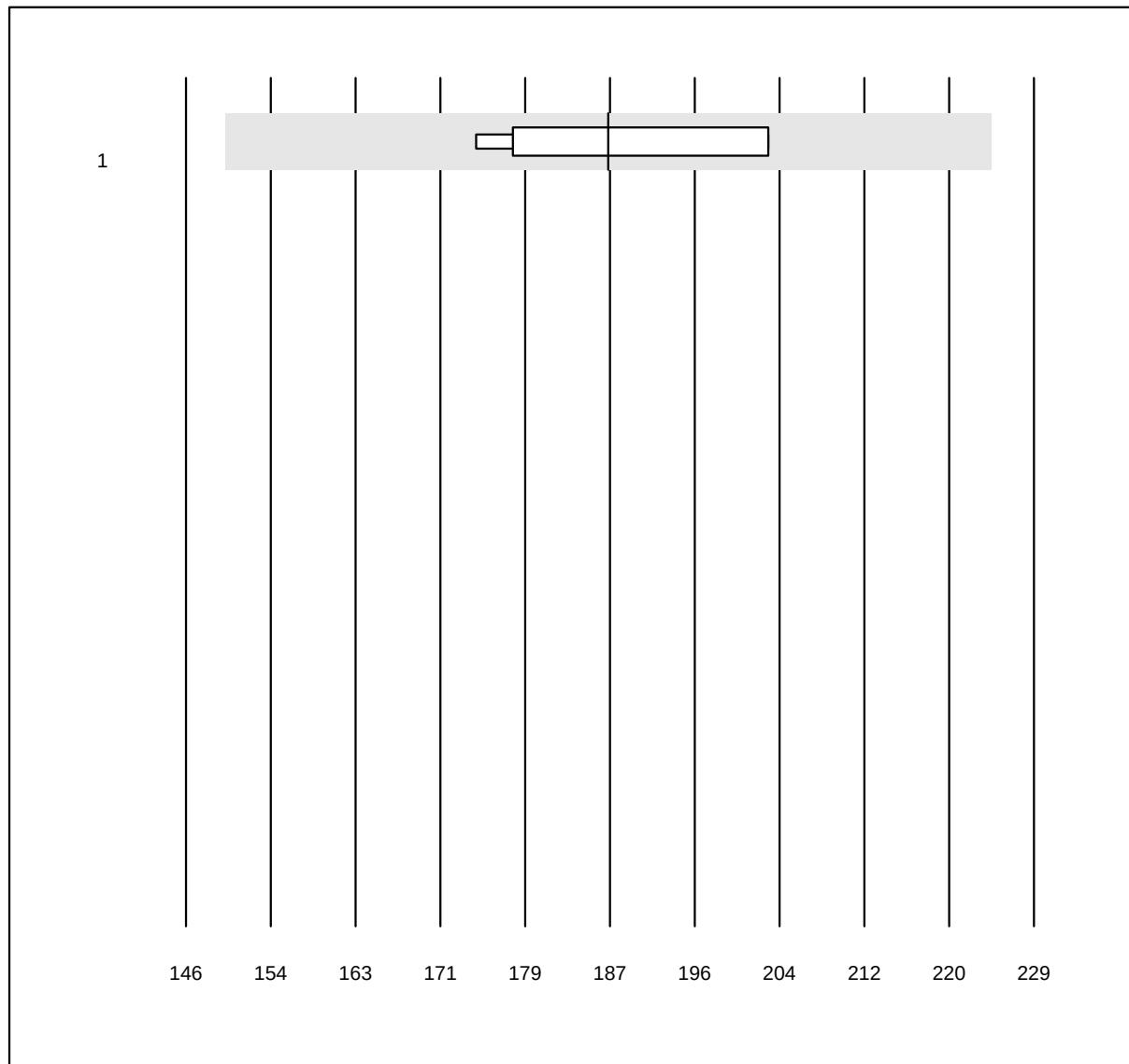


QUALAB Toleranz: 18%

Lipase Vitros (U/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Vitros	7	100.0	0.0	0.0	224.0	2.8	e

Albumine CSF



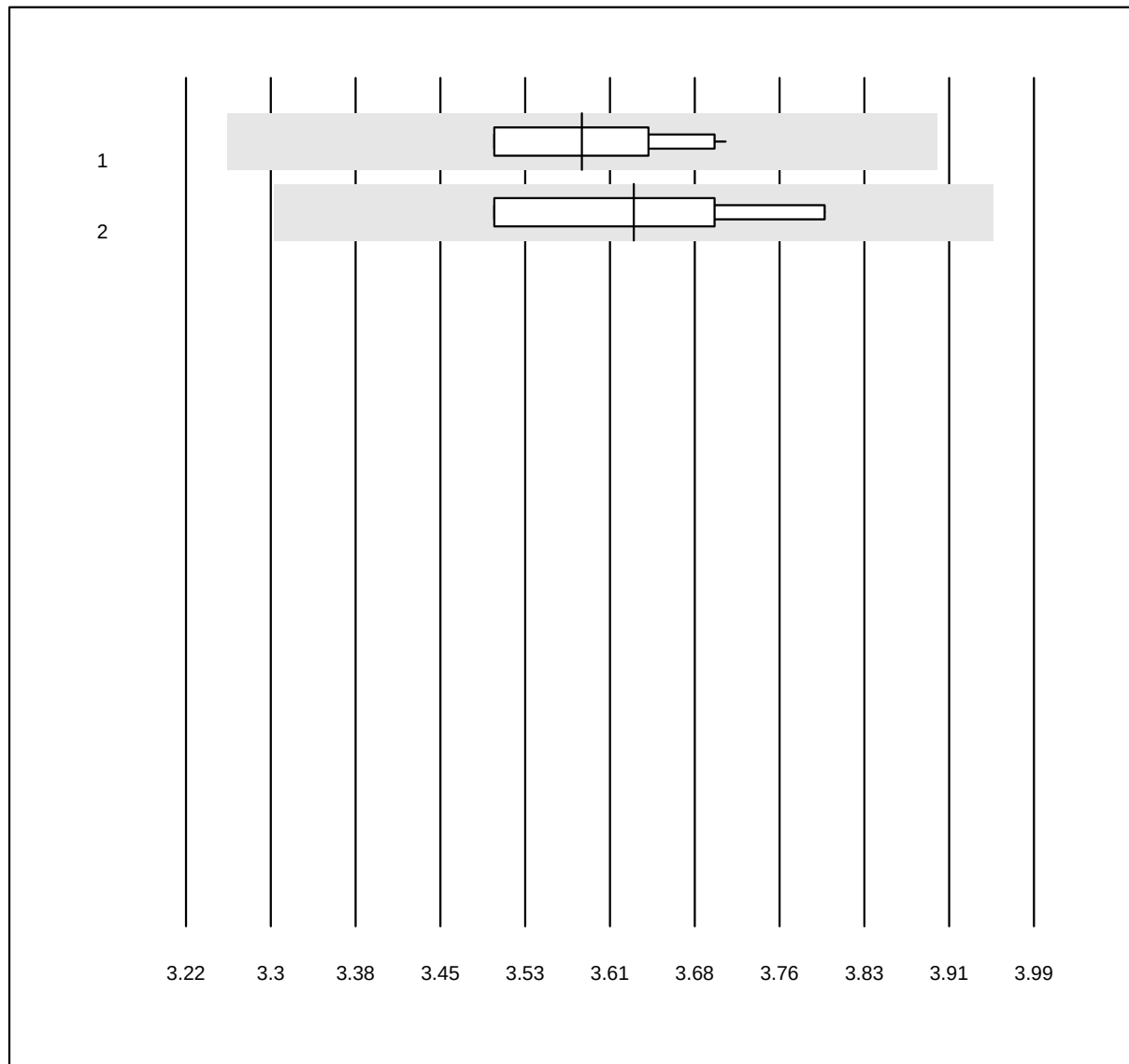
MQ Toleranz: 20%

Albumine CSF (mg/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	7	100.0	0.0	0.0	187.33	6.0	e

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

Glucose CSF

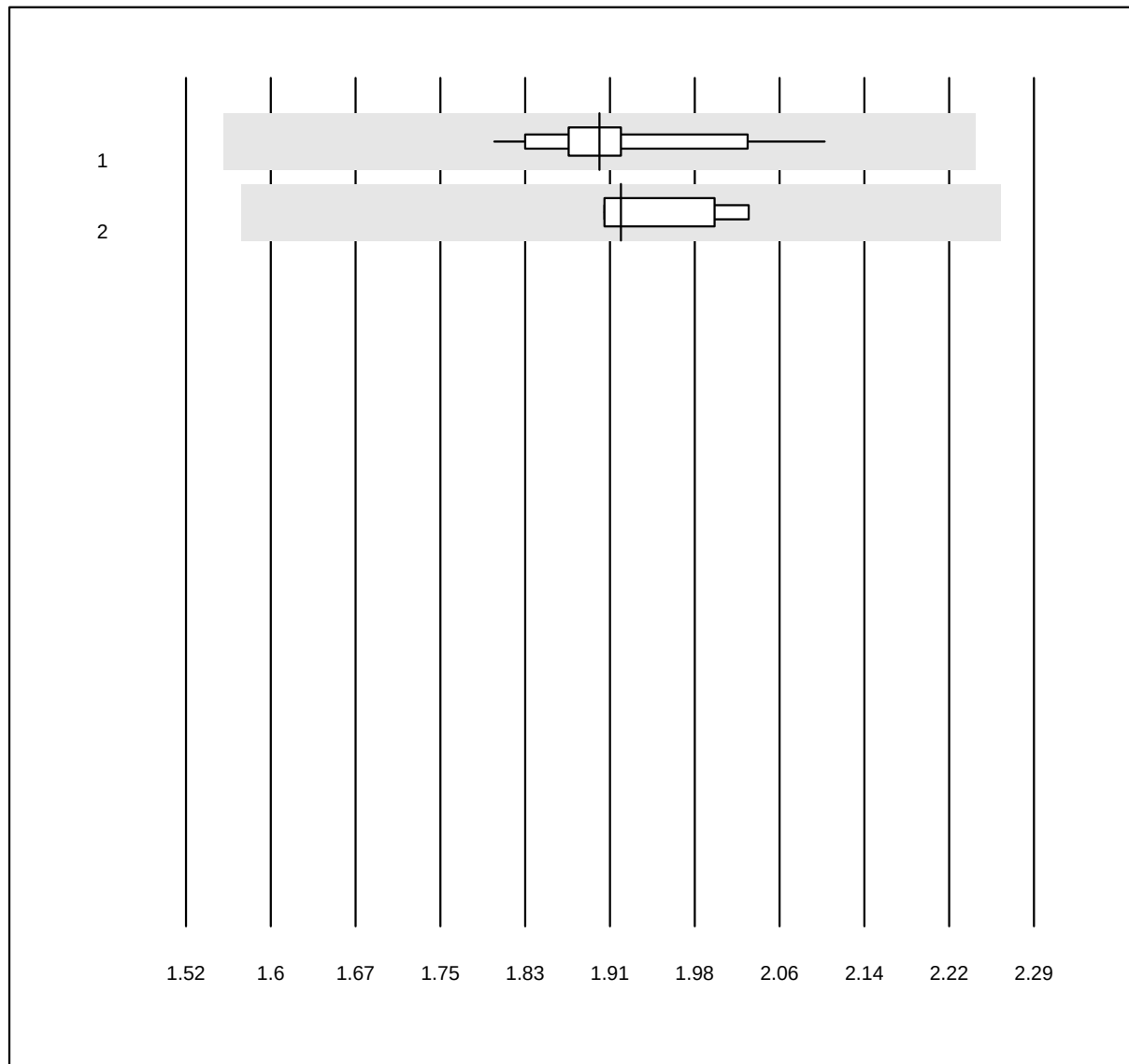


QUALAB Toleranz: 9%

Glucose CSF (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	23	100.0	0.0	0.0	3.58	2.1	e
2 Other methods	15	100.0	0.0	0.0	3.63	2.8	e

Lactate CSF



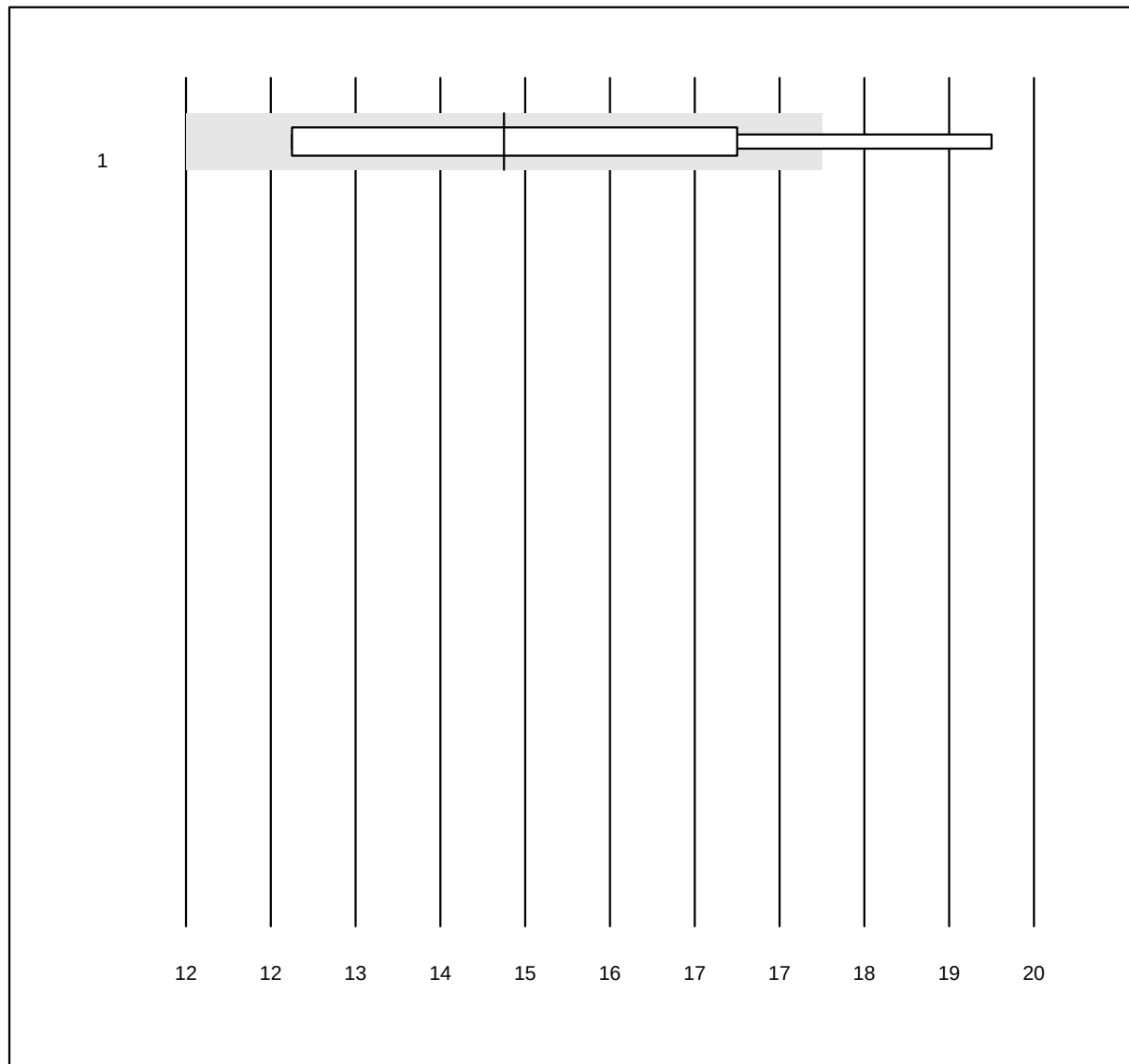
QUALAB Toleranz: 18%

Lactate CSF (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	16	100.0	0.0	0.0	1.90	3.6	e
2 Other methods	8	100.0	0.0	0.0	1.92	2.8	e

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

LDH CSF

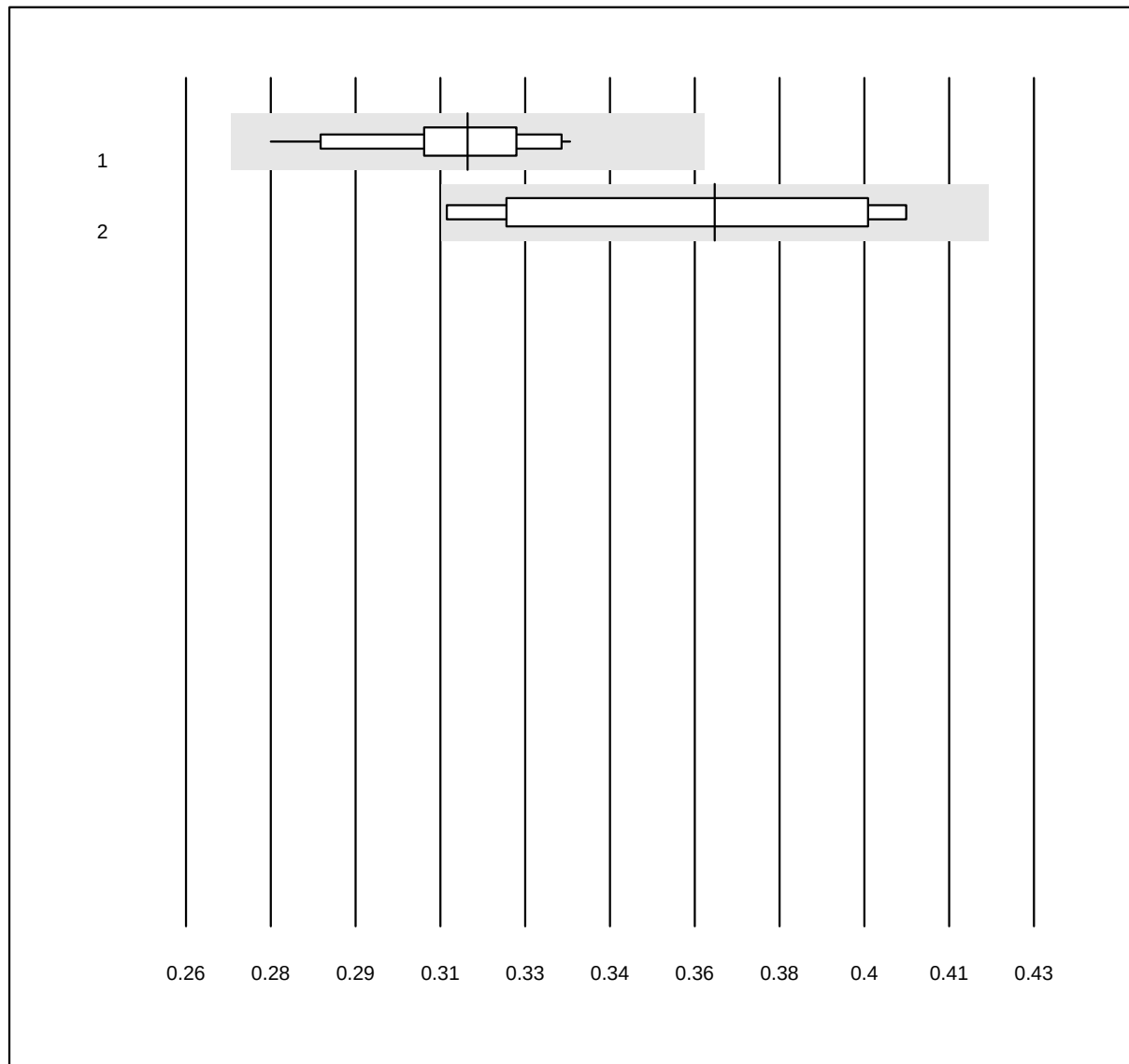


MQ Toleranz: 20%

LDH CSF (U/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	4	100.0	0.0	0.0	15	16.0	a*

Protein CSF



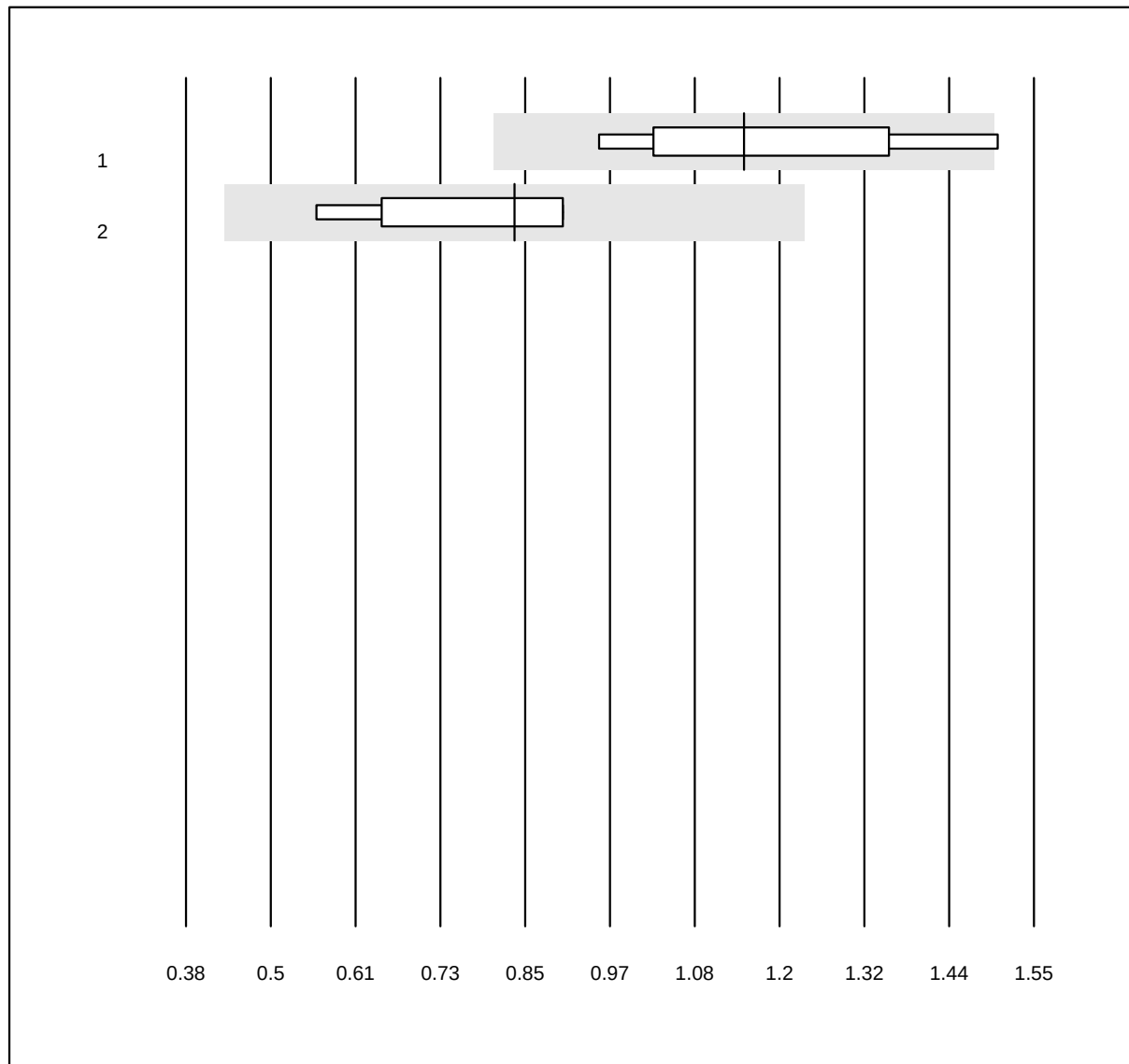
QUALAB Toleranz: 15%

Protein CSF (g/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	26	100.0	0.0	0.0	0.32	5.0	e
2	Other methods	8	100.0	0.0	0.0	0.37	10.1	e*

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

CDT

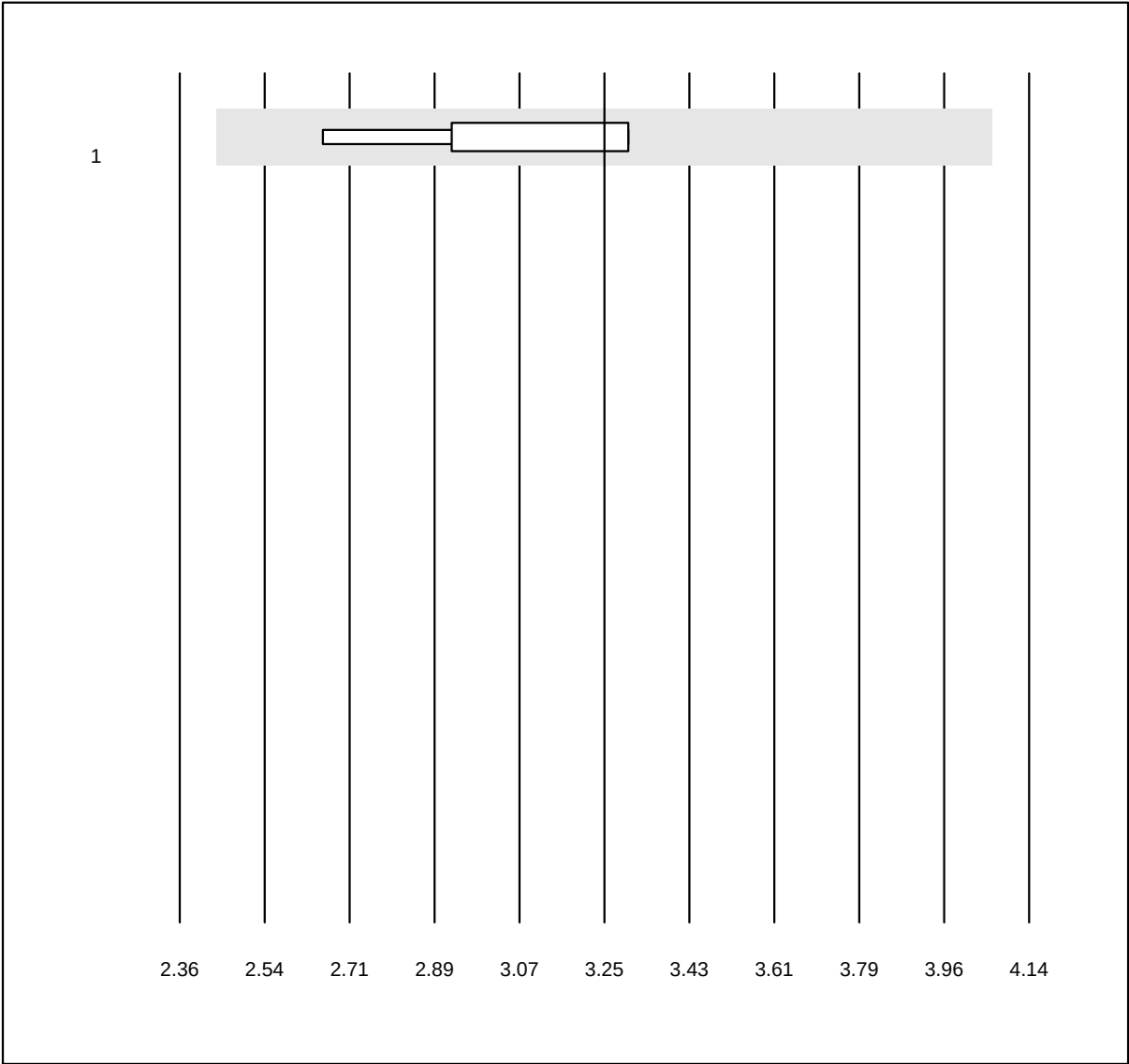


MQ Toleranz: 30%

CDT (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Immunoassay	4	100.0	0.0	0.0	1.1	14.5	e*
2 Other methods	5	100.0	0.0	0.0	0.8	17.7	e*

Everolimus

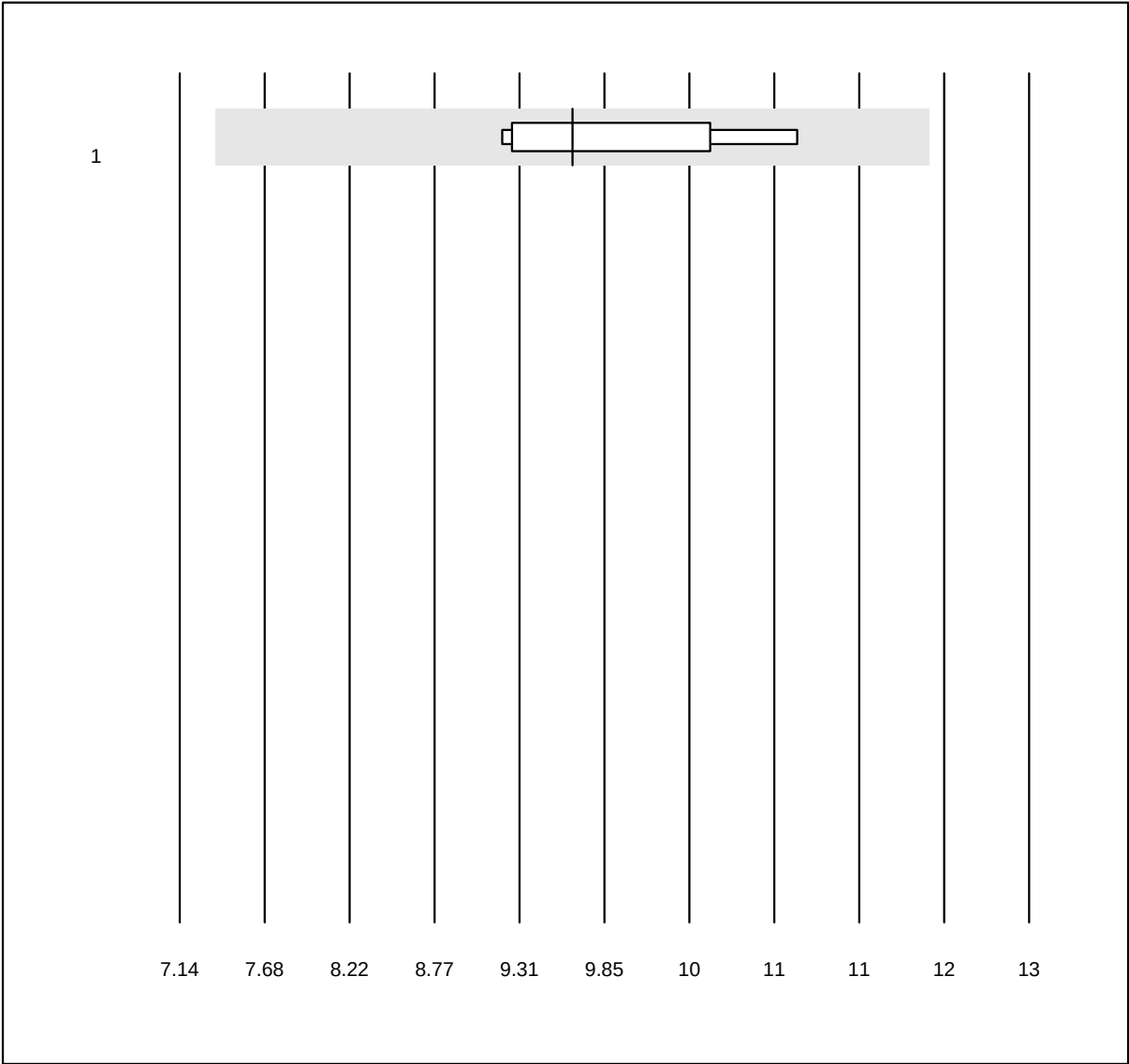


MQ Toleranz: 25%

Everolimus (µg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 all Participants	4	100.0	0.0	0.0	3.3	6.9	e*

Sirolimus

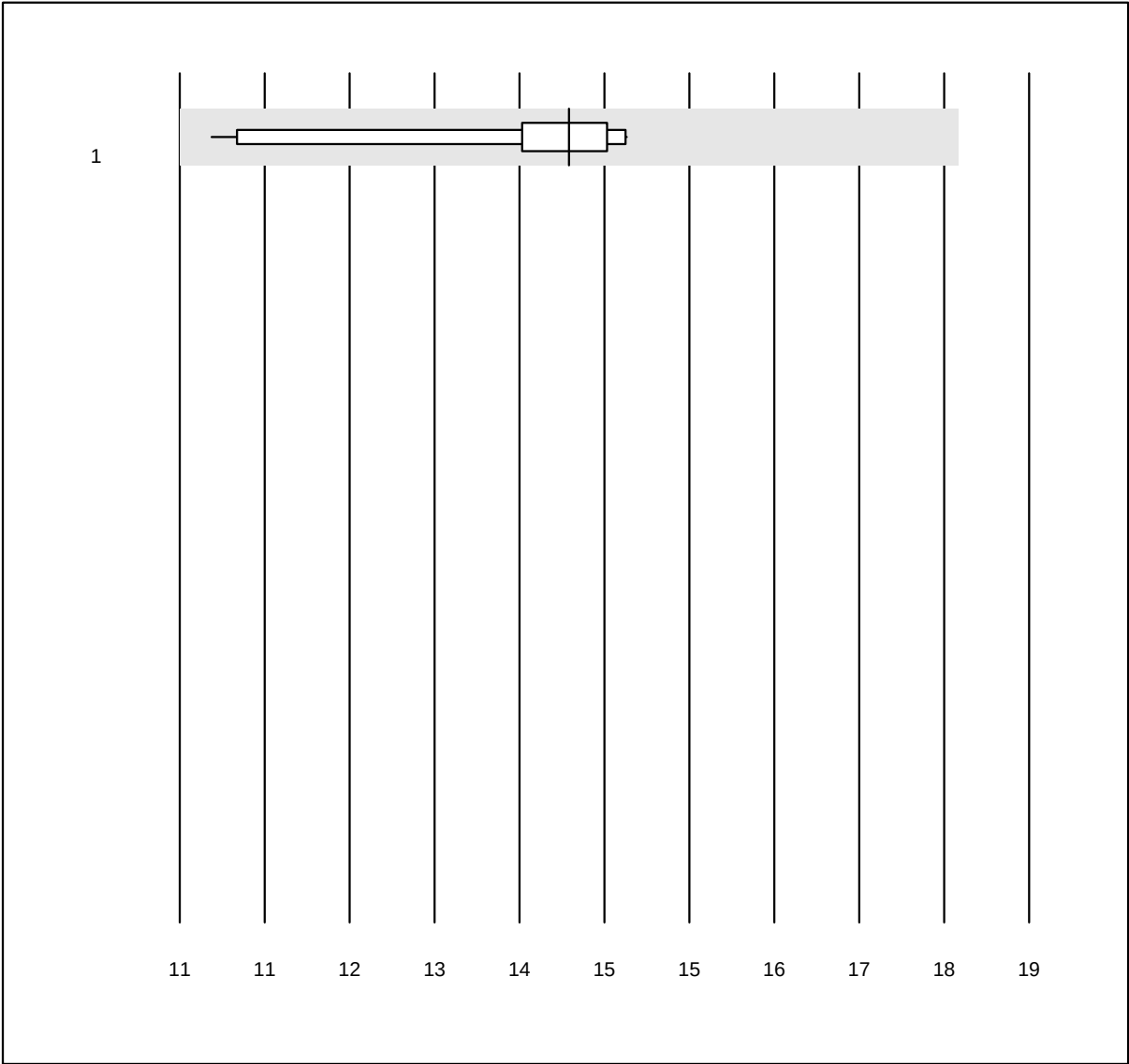


MQ Toleranz: 25%

Sirolimus (µg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 all Participants	4	100.0	0.0	0.0	9.8	7.4	e*

Tacrolimus

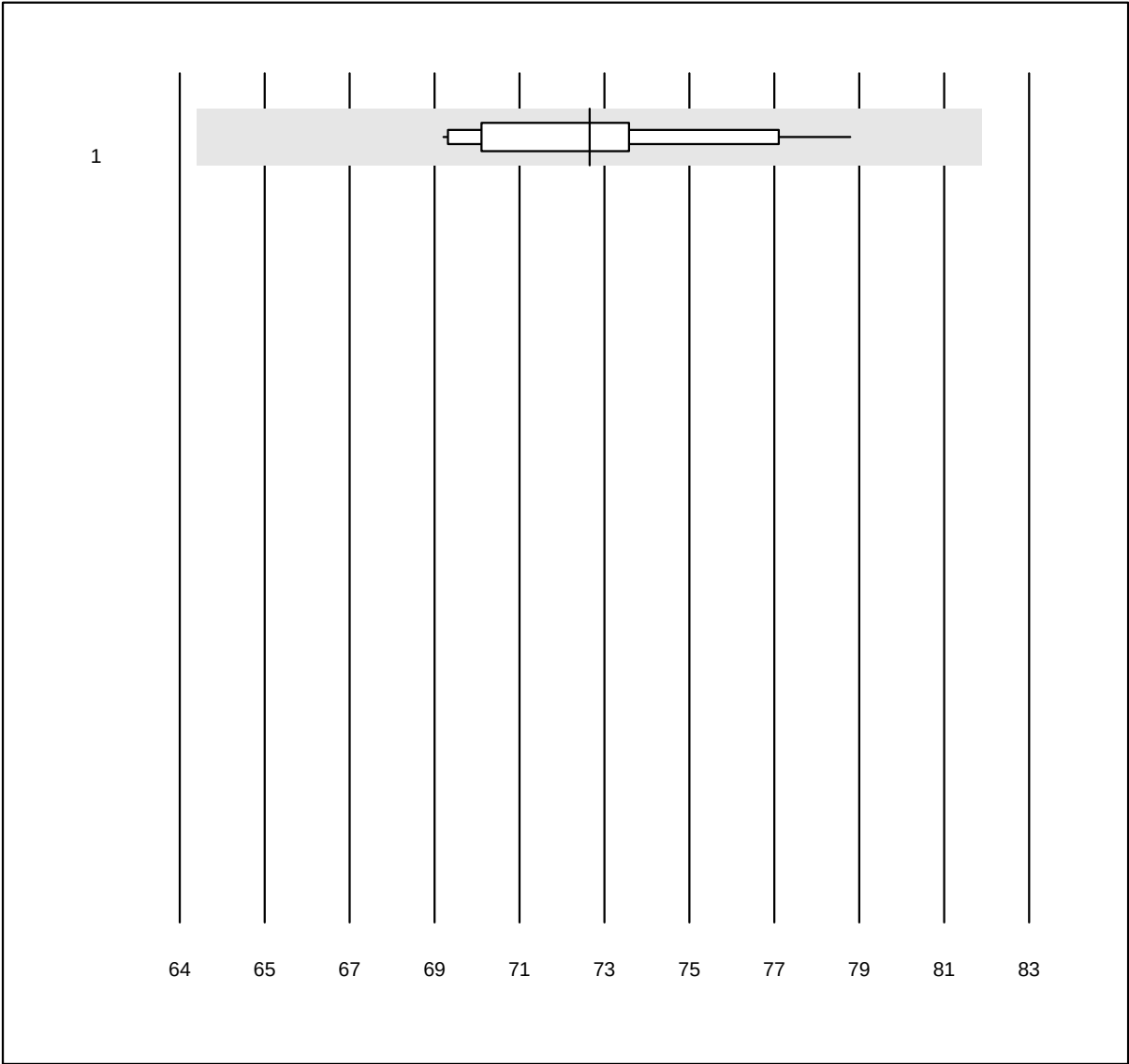


MQ Toleranz: 25%

Tacrolimus (µg/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	all Participants	10	100.0	0.0	0.0	14.7	8.1	e

Totalprotein E

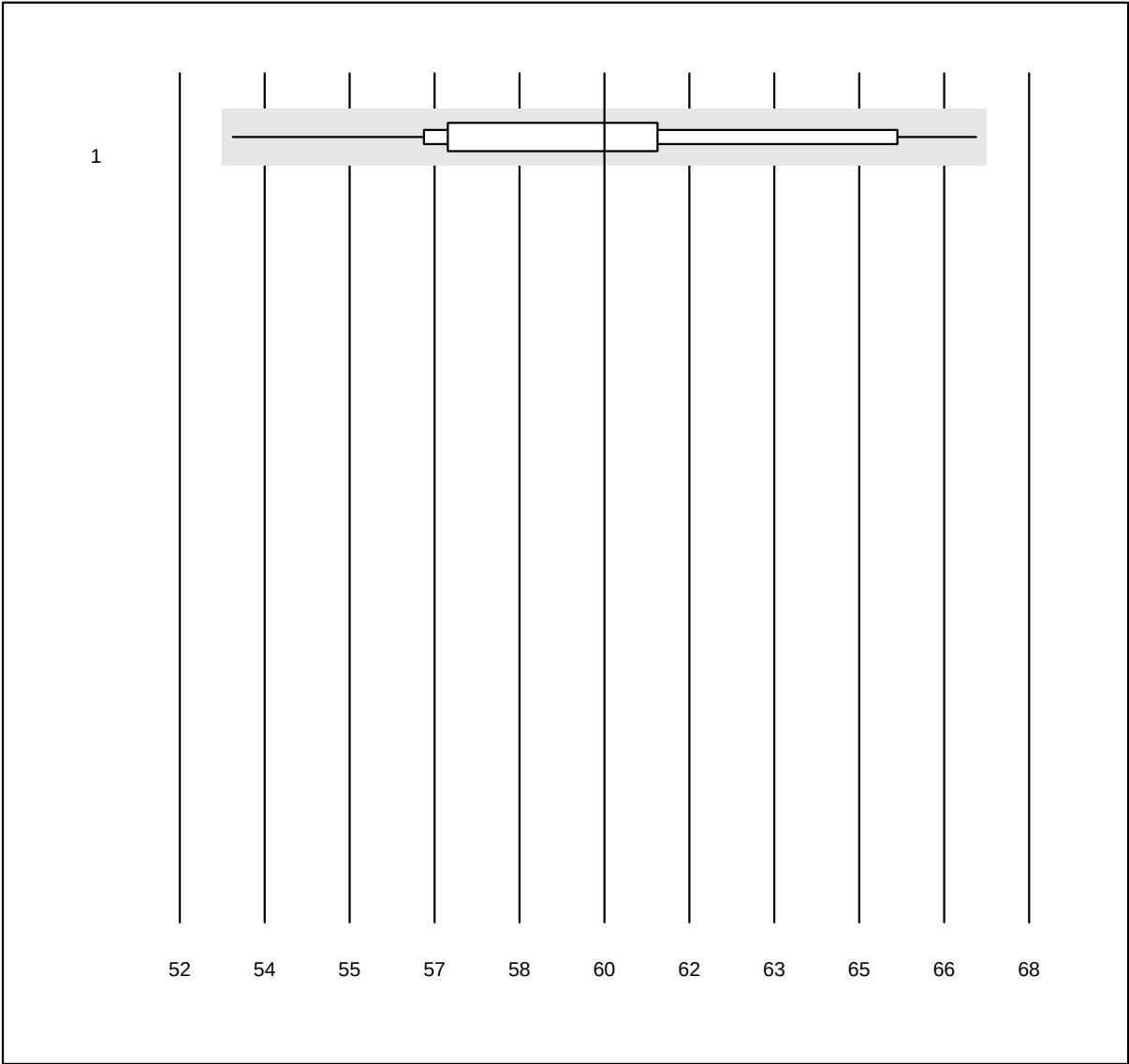


MQ Toleranz: 12%

Totalprotein E (g/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	all Participants	23	95.7	0.0	4.3	73.2	3.4	e

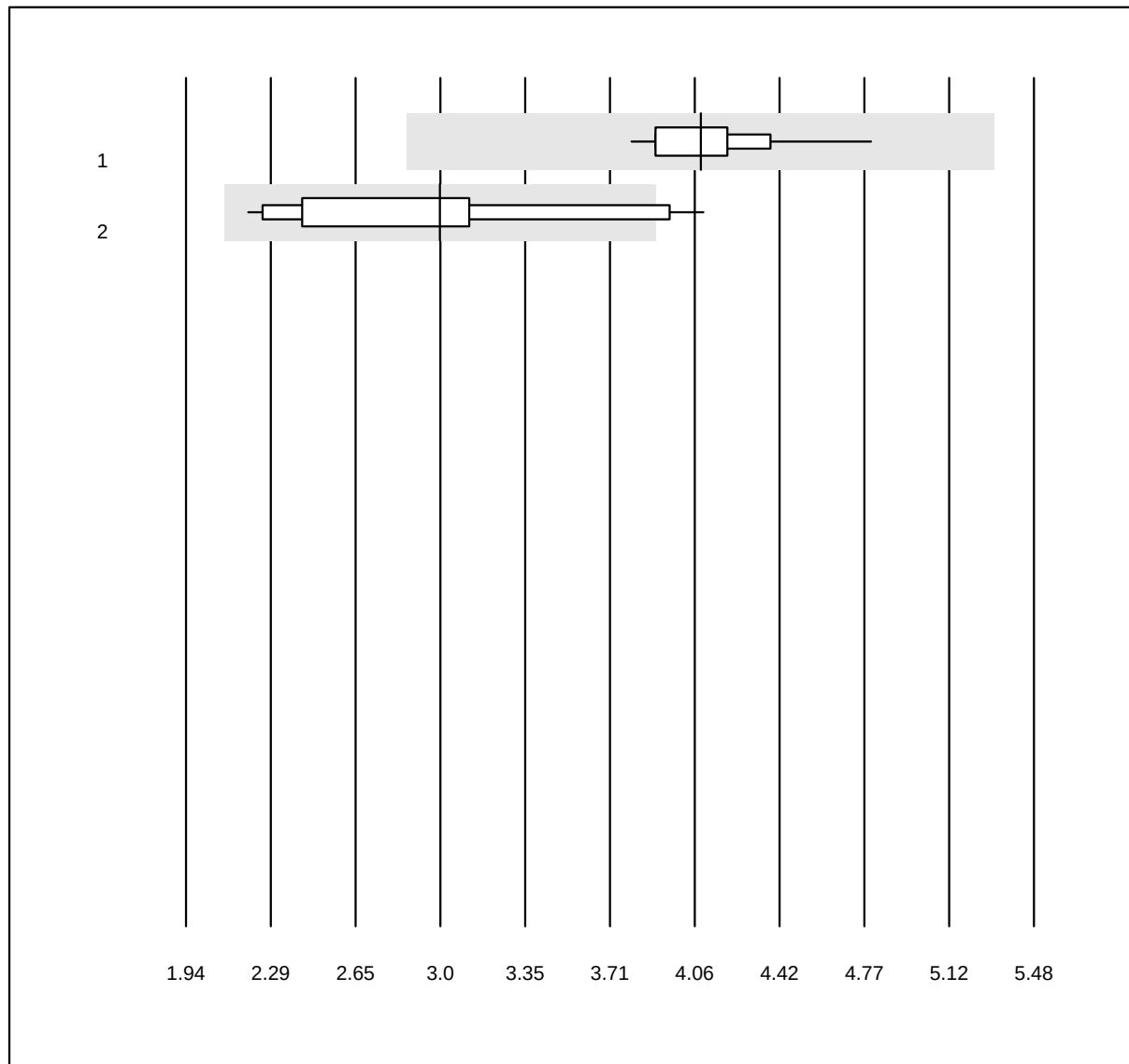
Albumin E



MQ Toleranz: 12%

Albumin E (%)

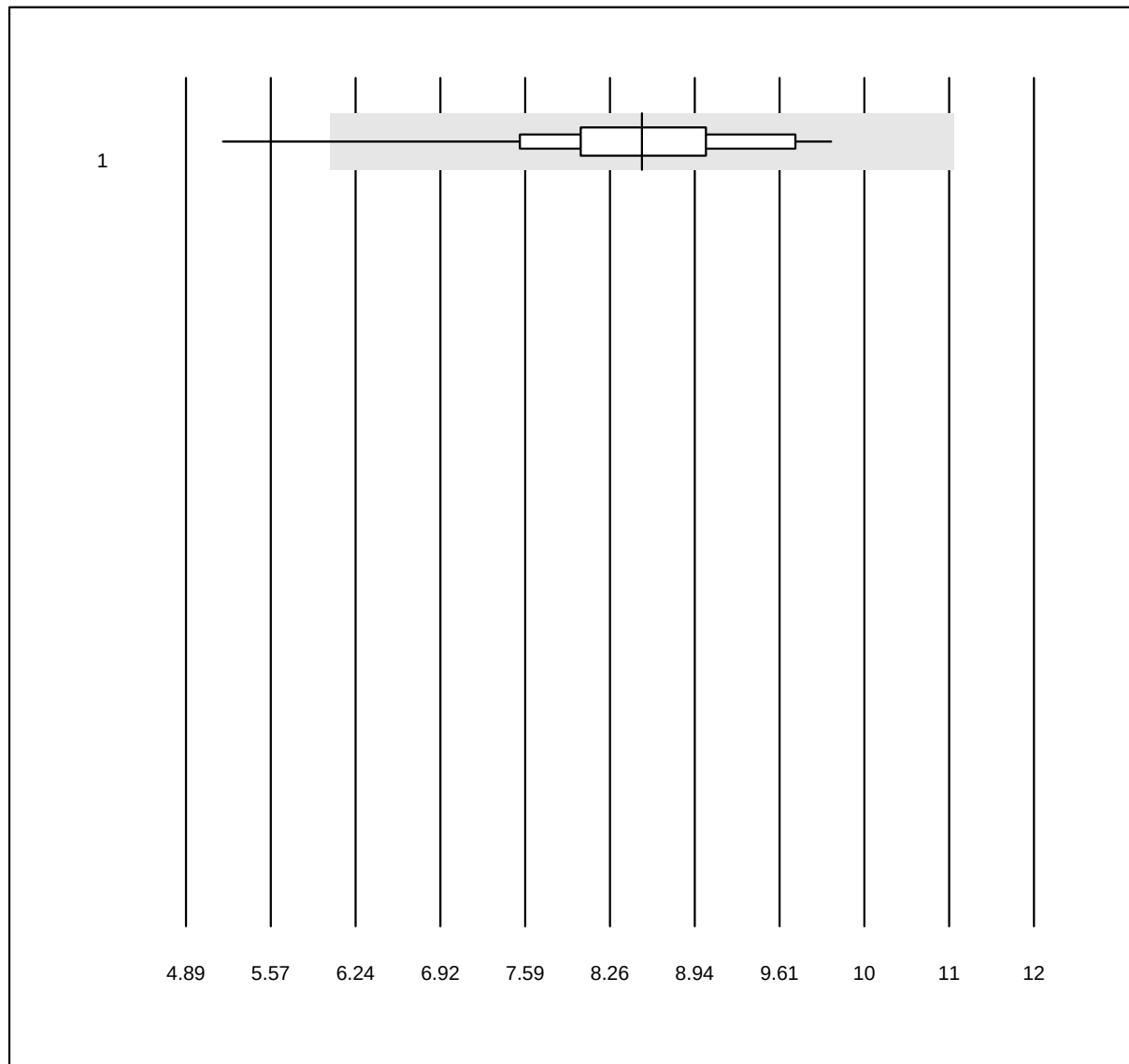
No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Electrophoresis	37	100.0	0.0	0.0	60.0	5.8	a

alpha-1-Globuline

MQ Toleranz: 30%

alpha-1-Globuline (%)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	capillary electrophoresis	25	100.0	0.0	0.0	4.1	5.3	e
2	Electrophoresis	12	91.7	8.3	0.0	3.0	19.8	a*

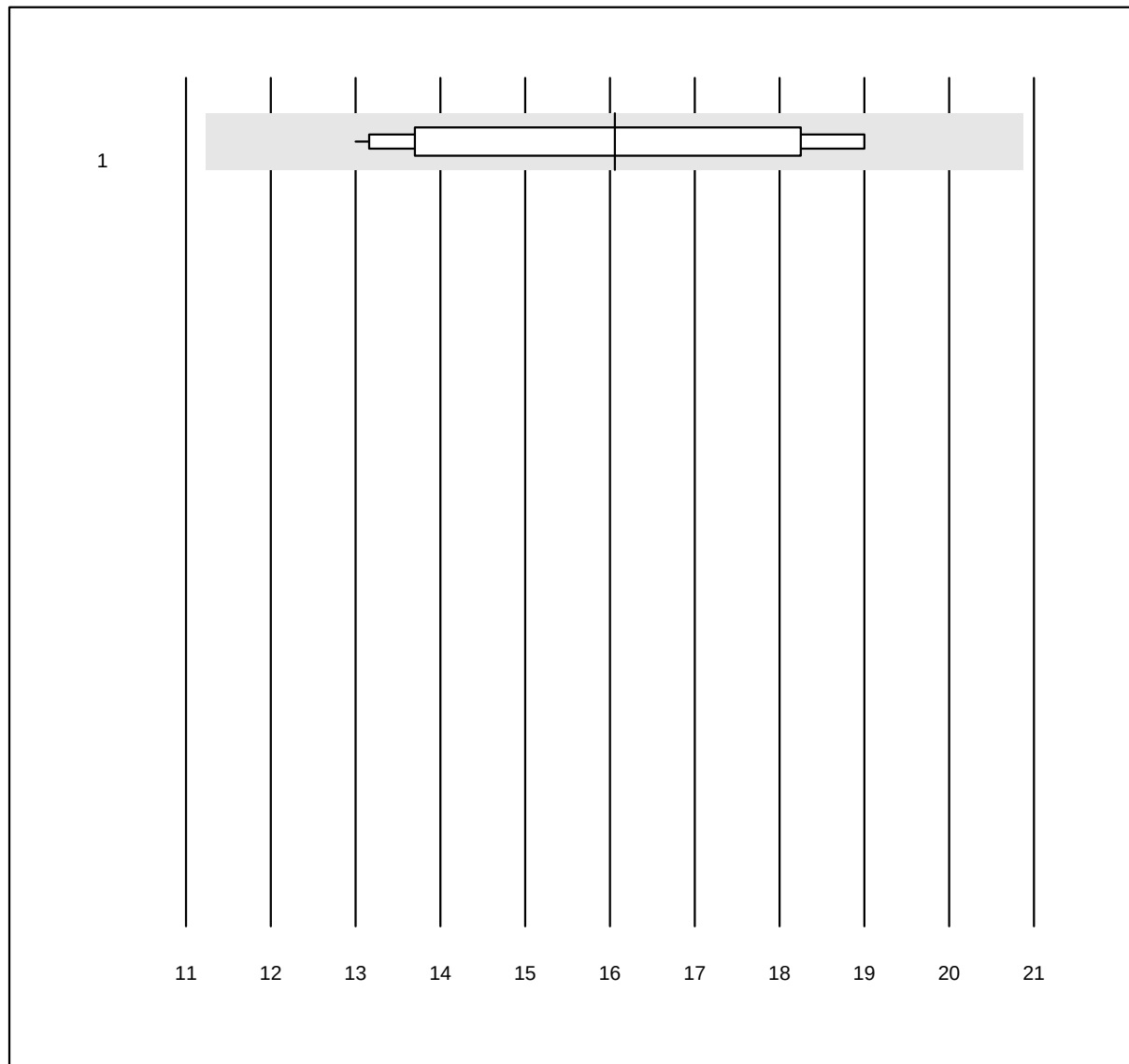
alpha-2-Globuline

MQ Toleranz: 30%

alpha-2-Globuline (%)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Electrophoresis	37	94.6	2.7	2.7	8.7	11.6	e

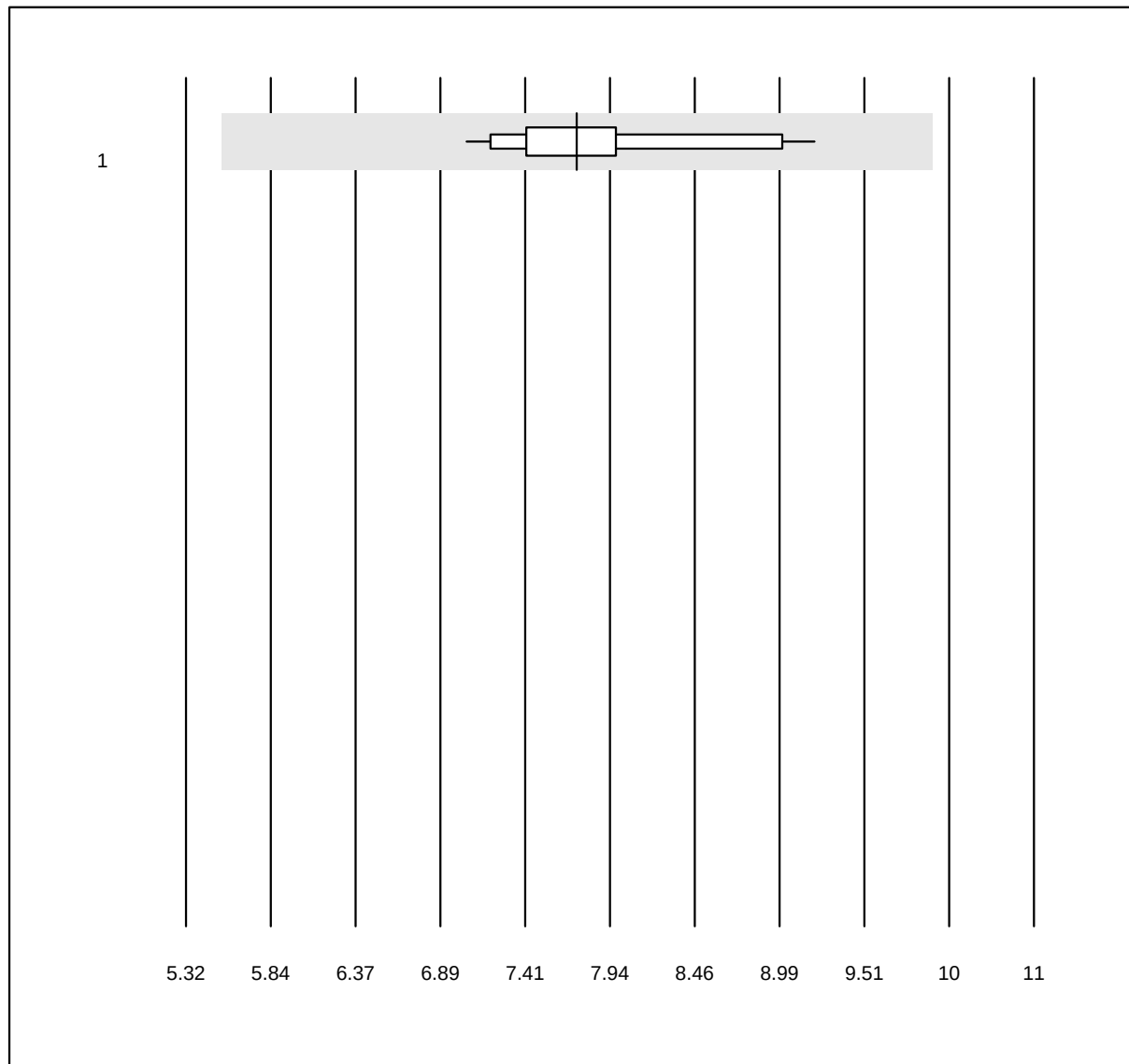
beta-Globuline



MQ Toleranz: 30%

beta-Globuline (%)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Electrophoresis	17	100.0	0.0	0.0	16.1	14.4	e

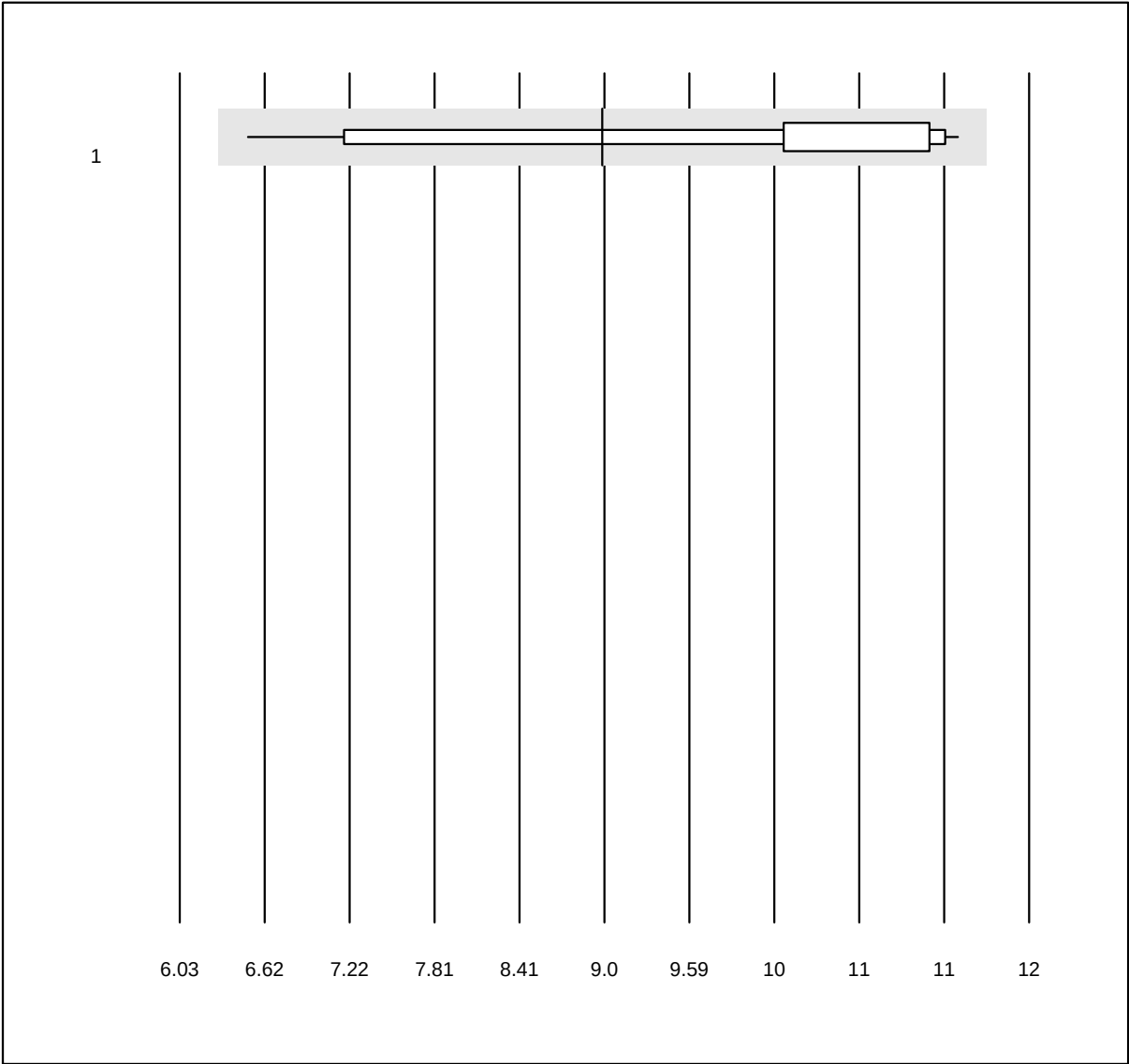
Beta-1-Globulin

MQ Toleranz: 30%

Beta-1-Globulin (%)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Electrophoresis	18	94.4	0.0	5.6	7.9	7.7	e

Beta-2-Globulin

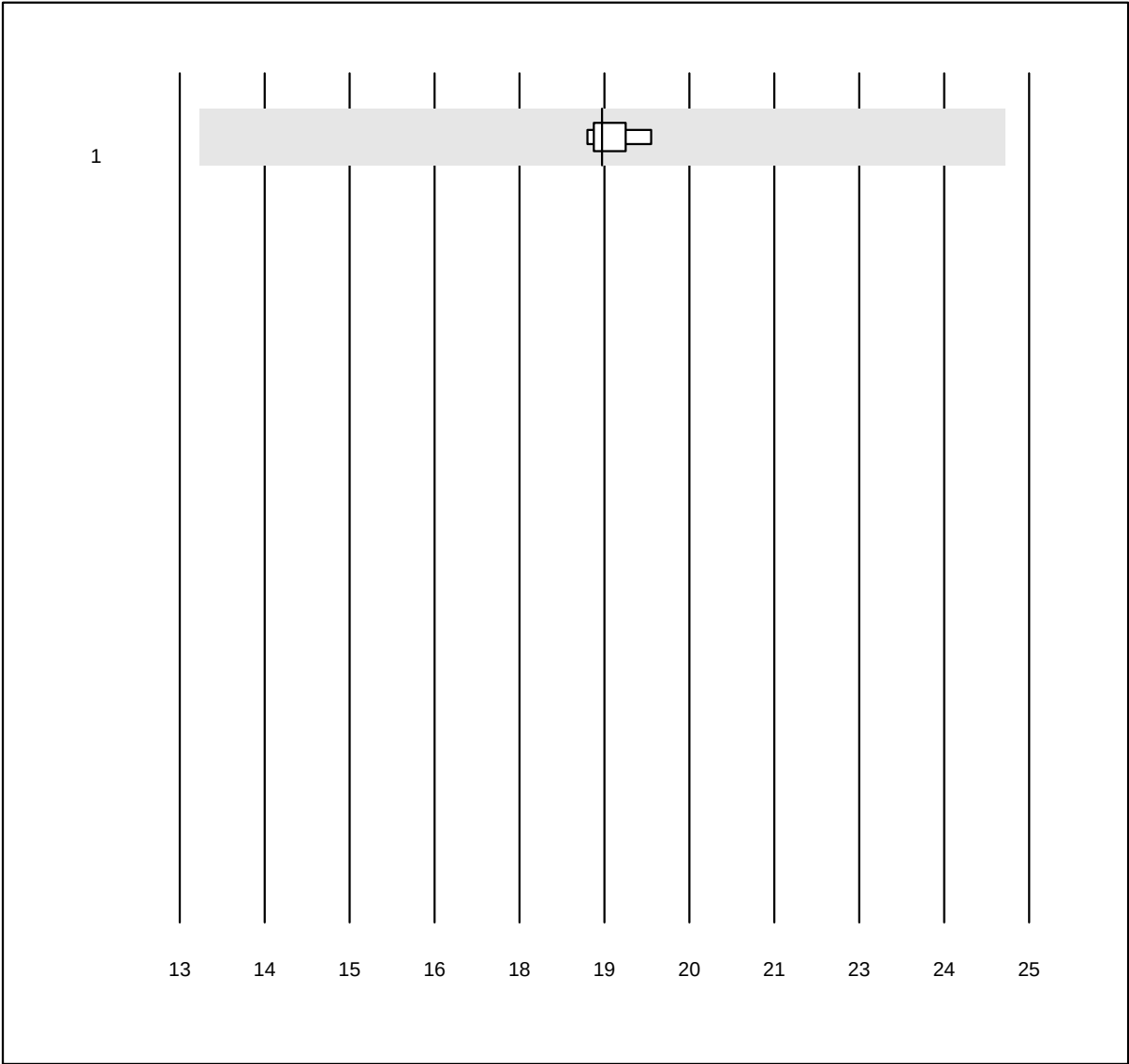


MQ Toleranz: 30%

Beta-2-Globulin (%)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Electrophoresis	18	100.0	0.0	0.0	9.0	13.1	a

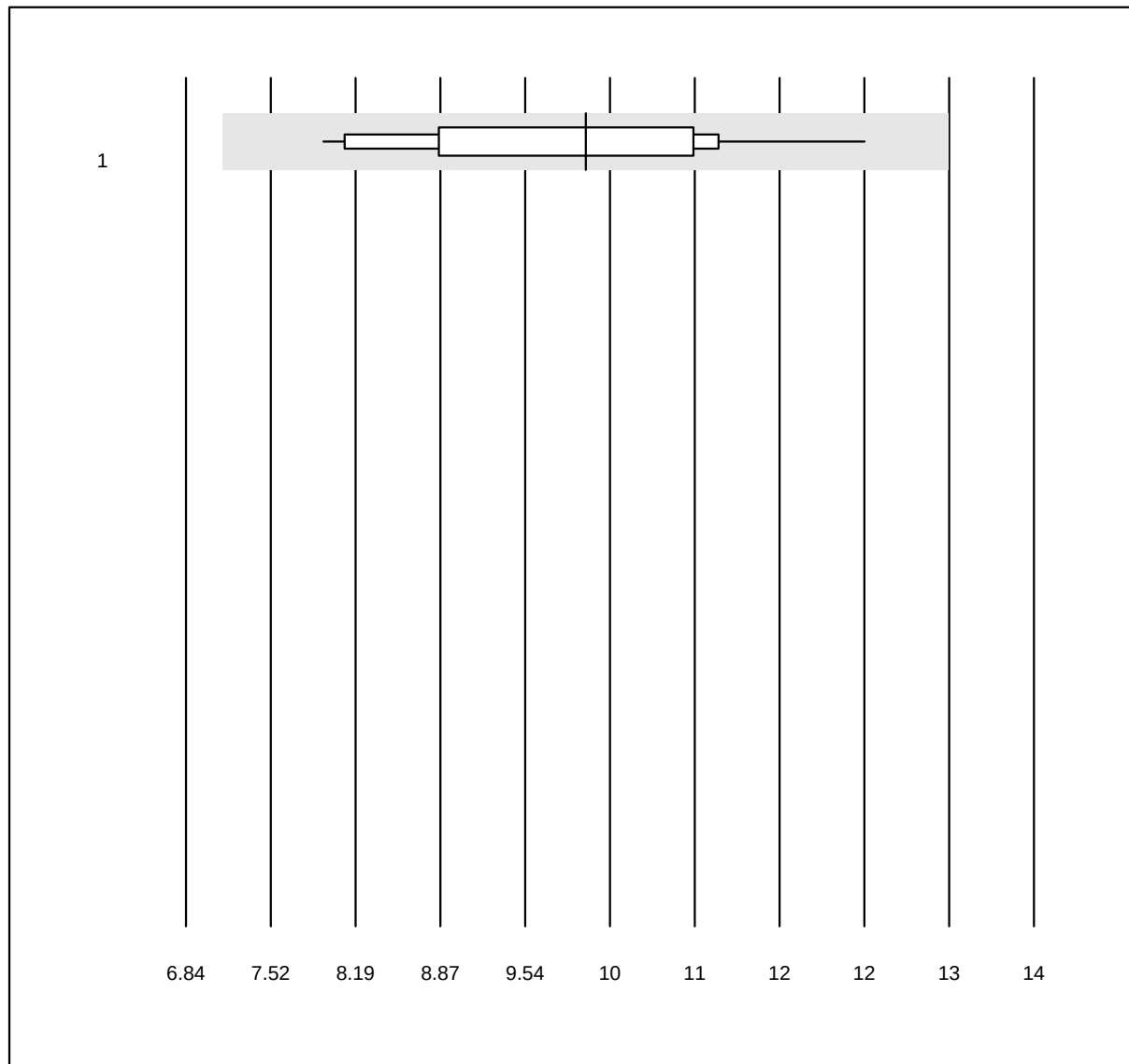
Beta-Globuline+P



MQ Toleranz: 30%

Beta-Globuline+P (%)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Electrophoresis	5	100.0	0.0	0.0	19	1.5	e

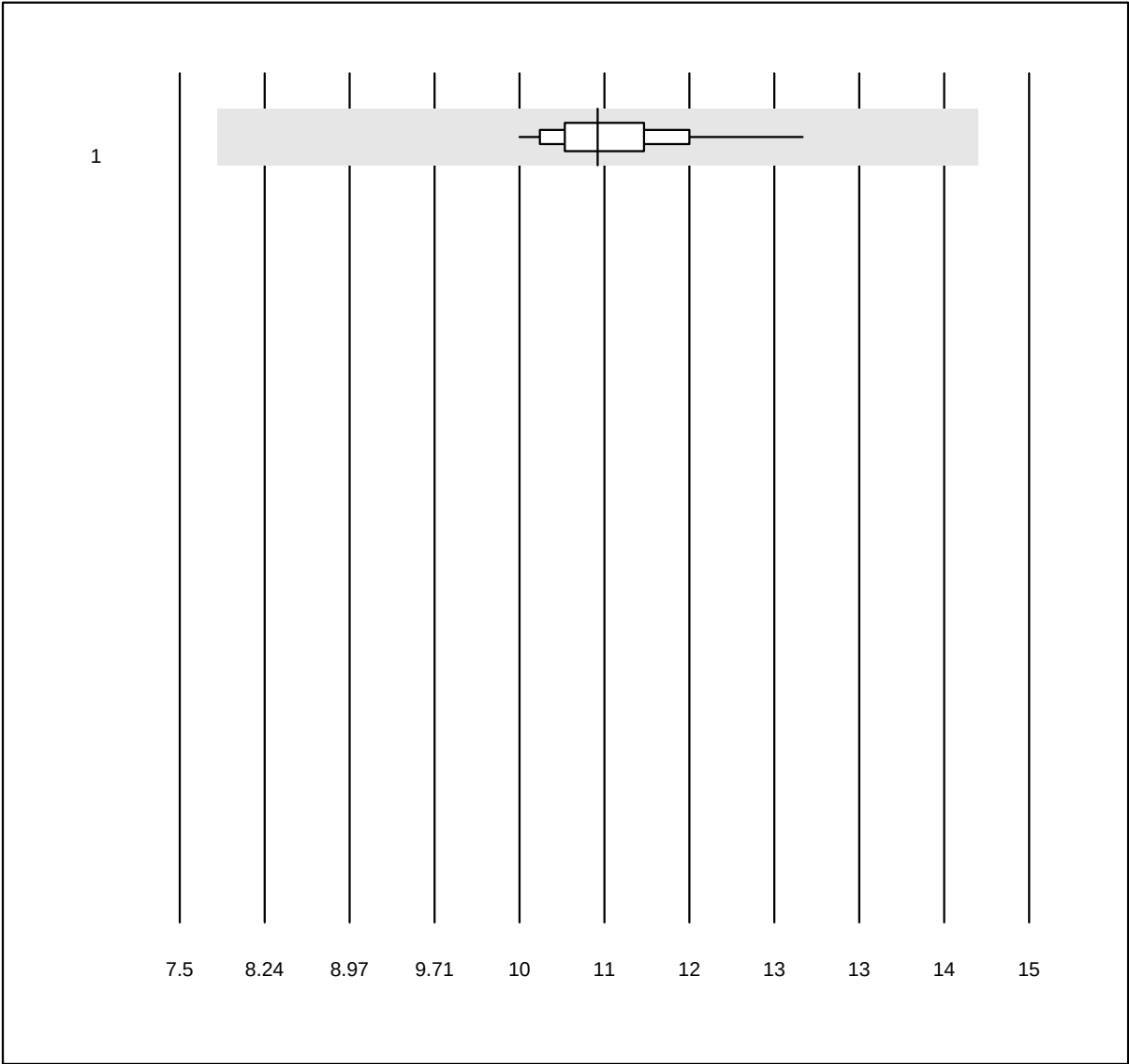
gamma-Globuline

MQ Toleranz: 30%

gamma-Globuline (%)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Electrophoresis	18	100.0	0.0	0.0	10.2	12.4	e

Gamma-Globuline+P

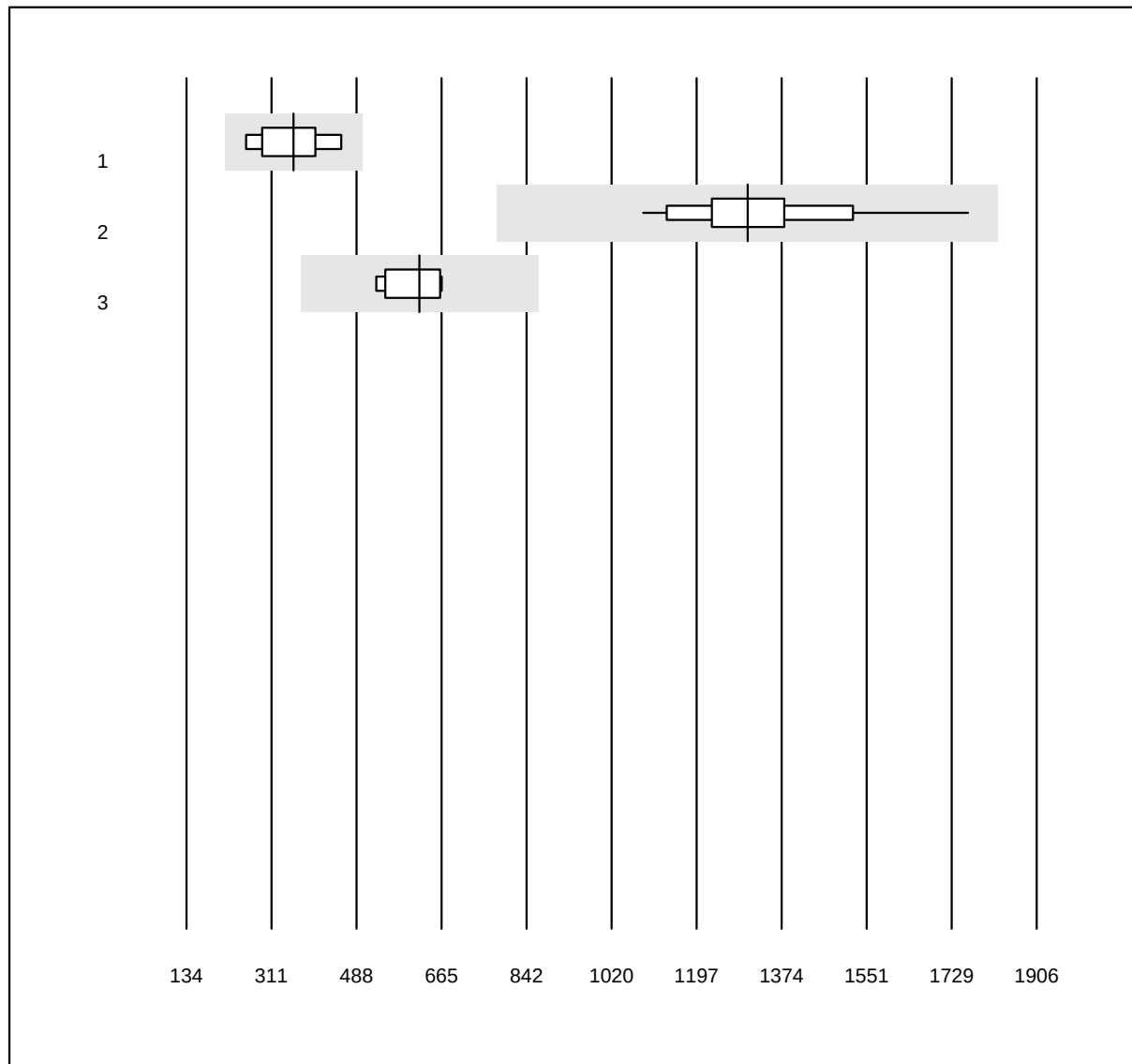


MQ Toleranz: 30%

Gamma-Globuline+P (%)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Electrophoresis	19	100.0	0.0	0.0	11.2	5.0	e

Folate in Erythrocytes



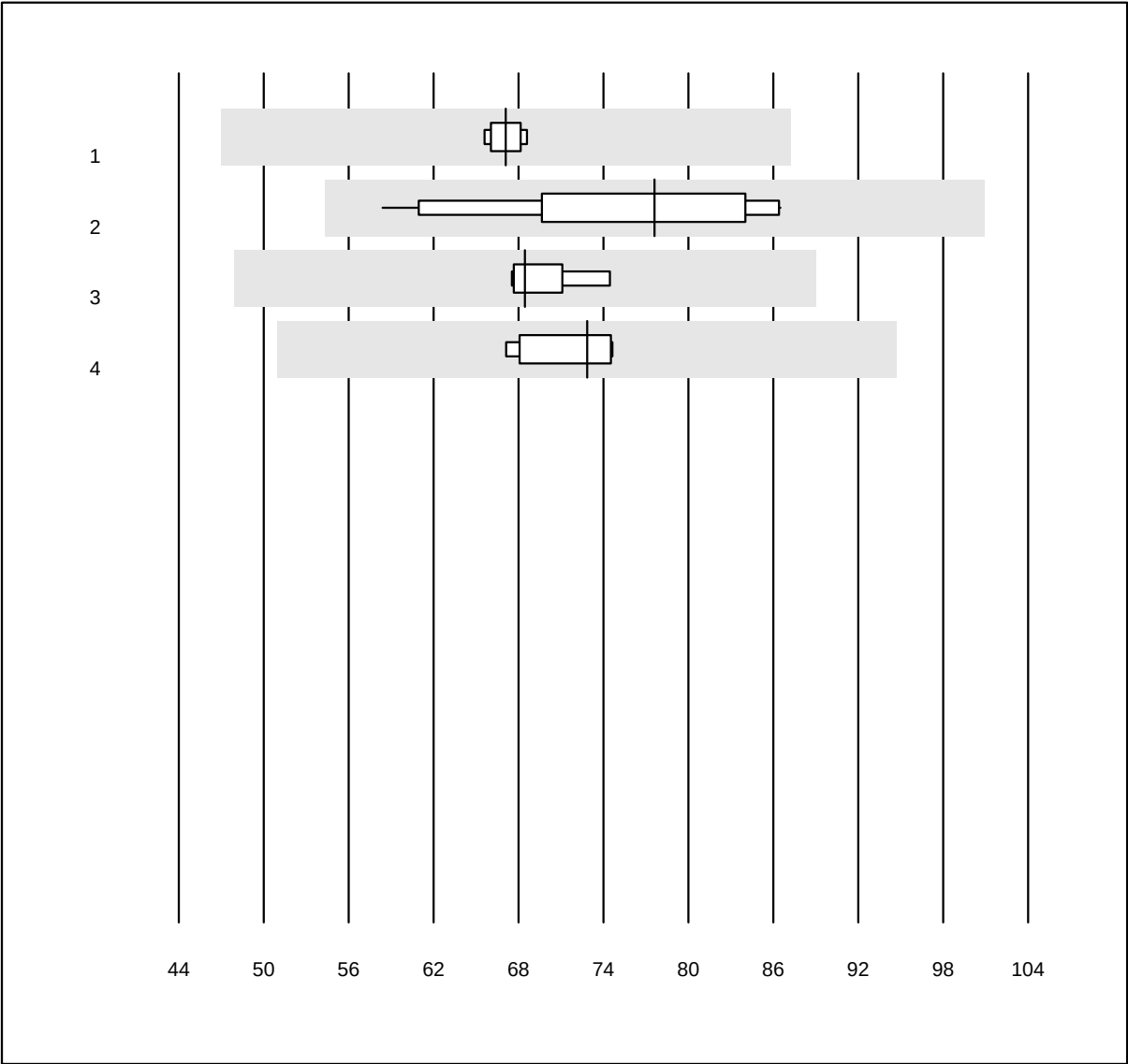
MQ Toleranz: 40%

Folate in Erythrocytes
(nmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	357	19.4	a*
2 Roche	31	100.0	0.0	0.0	1304	10.9	e
3 Siemens	6	100.0	0.0	0.0	620	9.2	e

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

Gallensäure

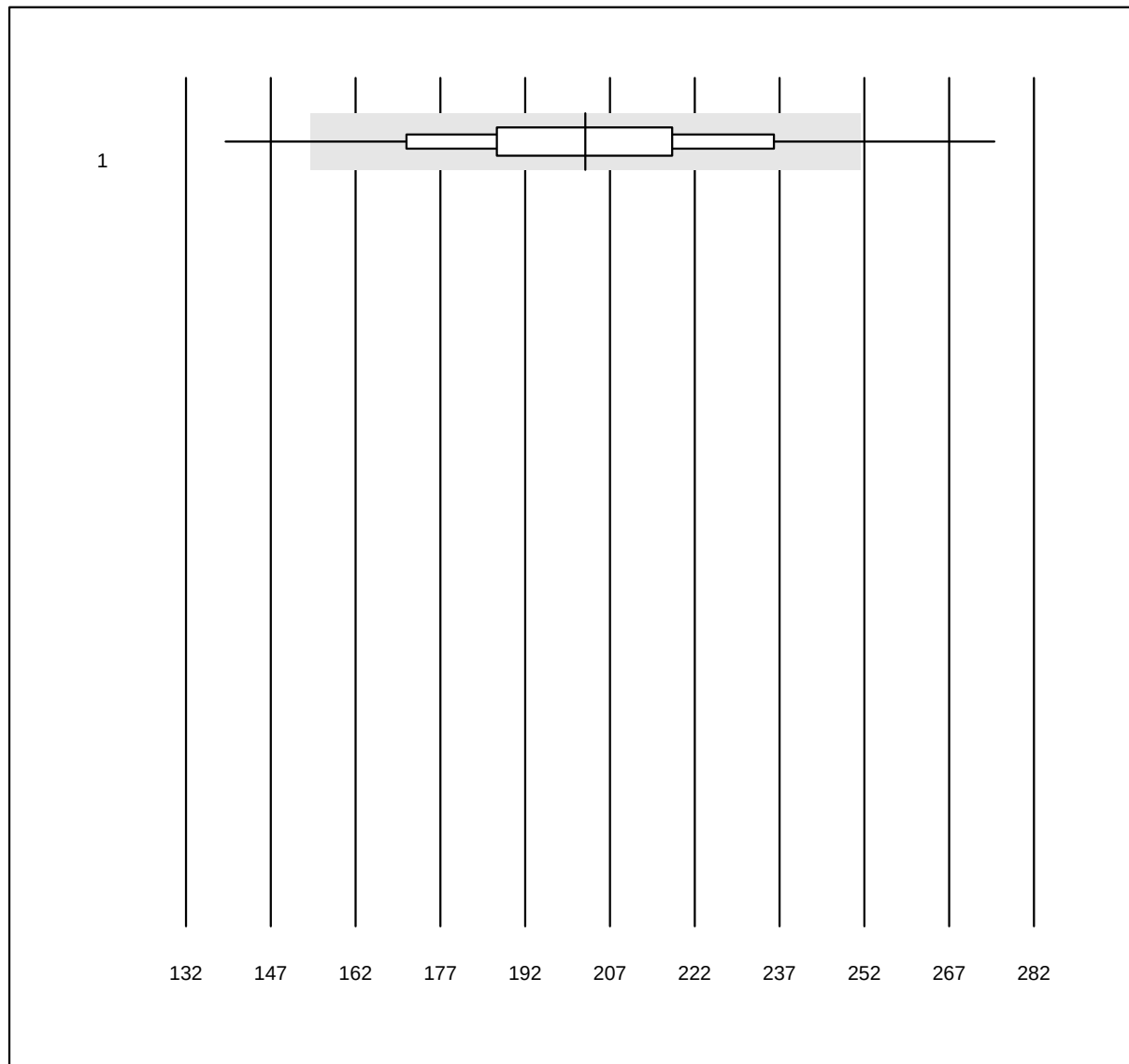


MQ Toleranz: 30%

Gallensäure (μmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	4	100.0	0.0	0.0	67.1	1.6	e
2 Roche	14	100.0	0.0	0.0	77.6	11.4	e
3 Siemens	6	100.0	0.0	0.0	68.5	3.3	e
4 Other methods	6	100.0	0.0	0.0	72.8	4.5	e

Troponin I Triage

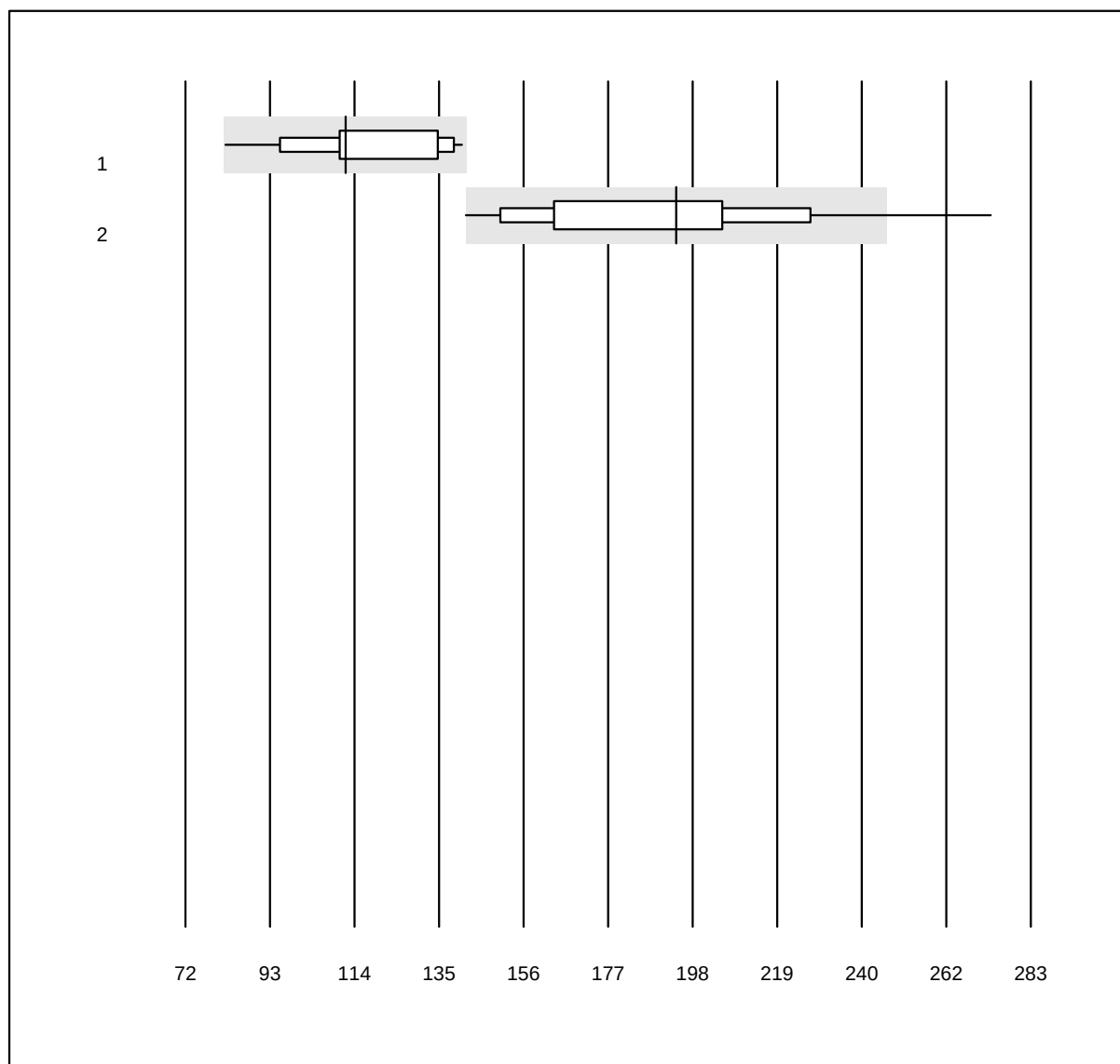


QUALAB Toleranz: 24%

Troponin I Triage (ng/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Triage high sensitive	632	92.1	6.5	1.4	202.64	12.5	e

NT-pro BNP

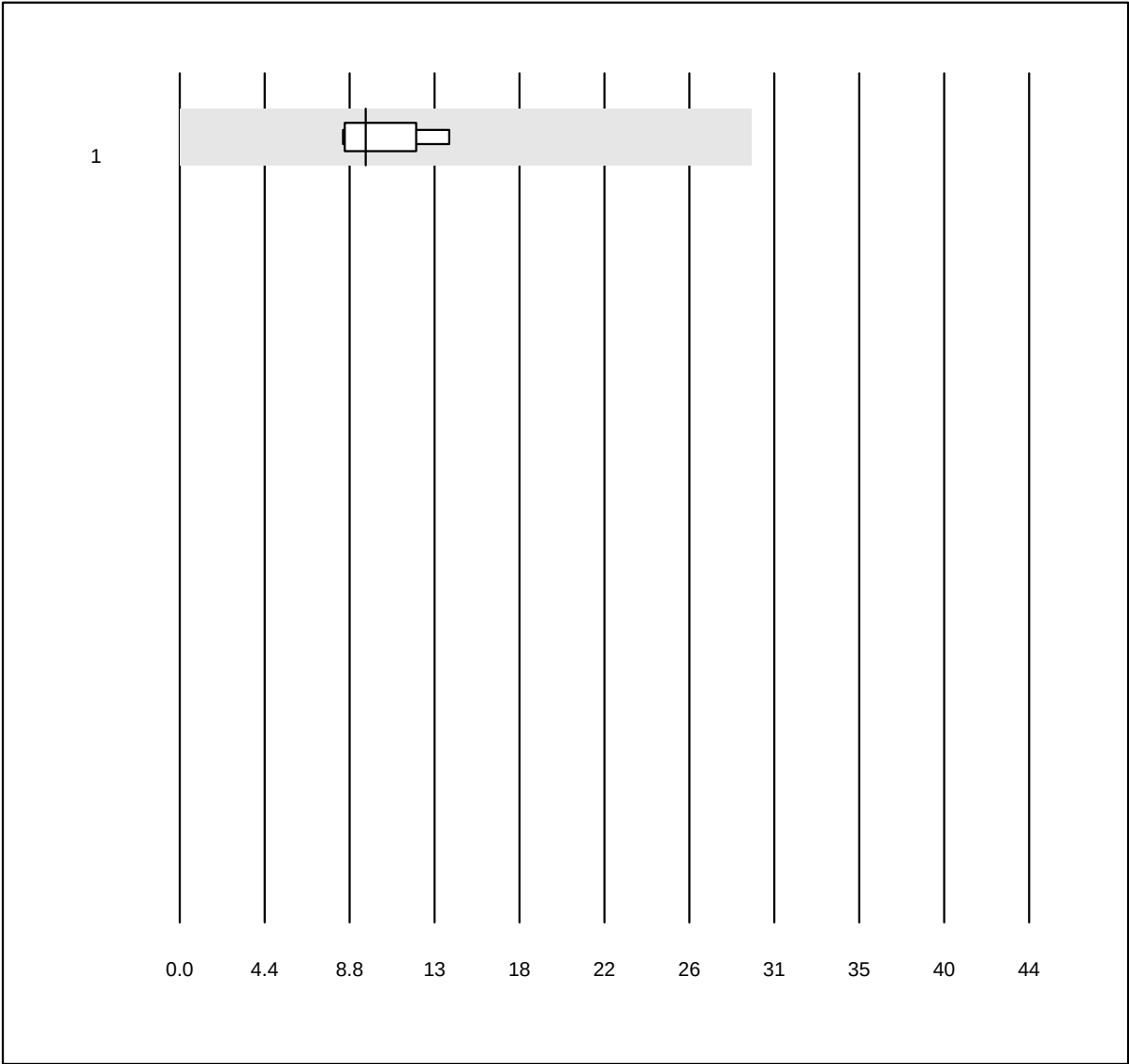


QUALAB Toleranz: 27%

NT-pro BNP (ng/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Triage (Lot-Gen 1)	73	100.0	0.0	0.0	112	13.2	a
2 Triage	297	91.6	4.4	4.0	195	16.3	a

BNP

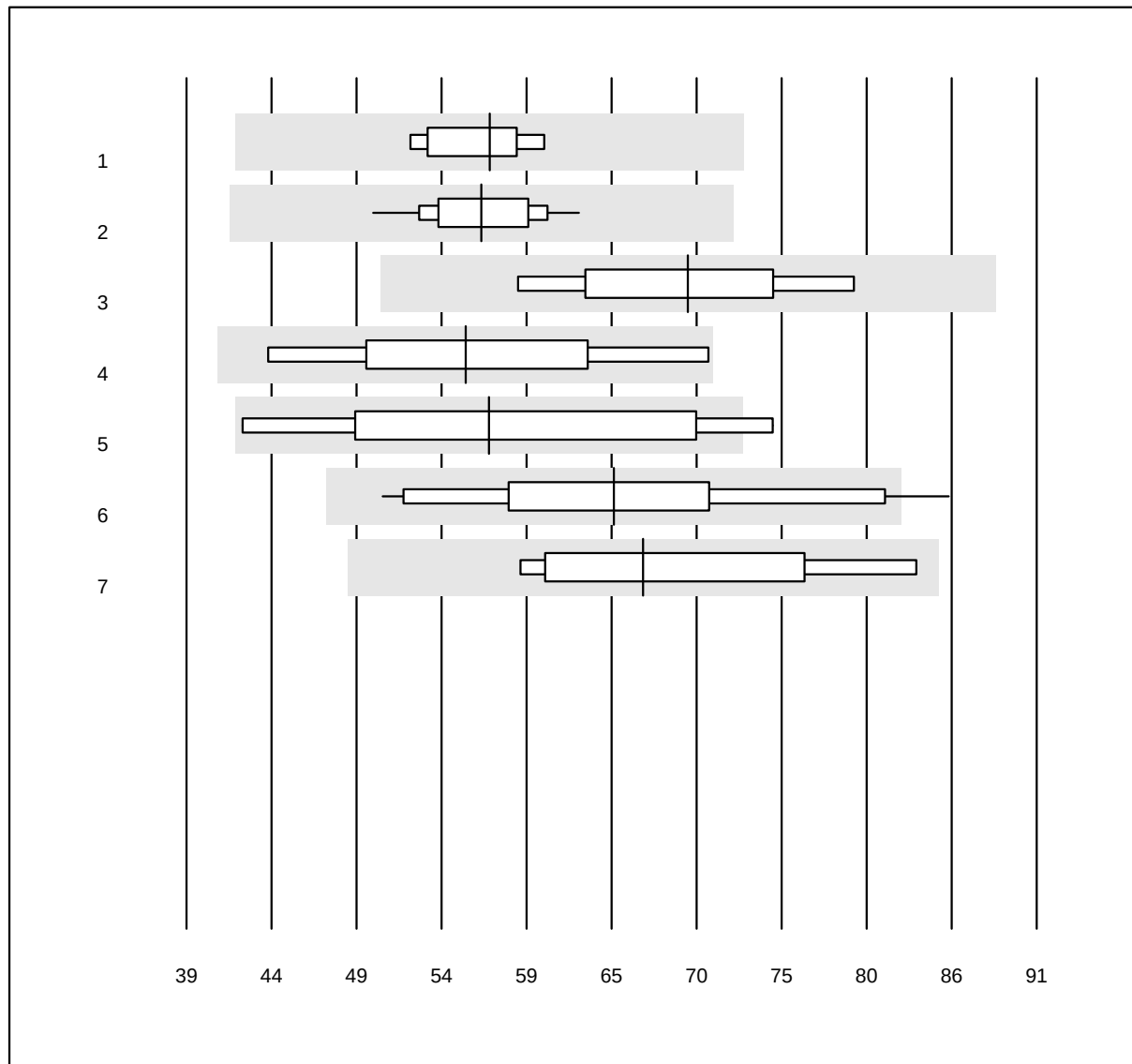


QUALAB Toleranz: 27%
(< 75.0: +/- 20.0 ng/l)

BNP (ng/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Triage	5	100.0	0.0	0.0	9.6	20.4	e

Vitamin D 25 (OH)



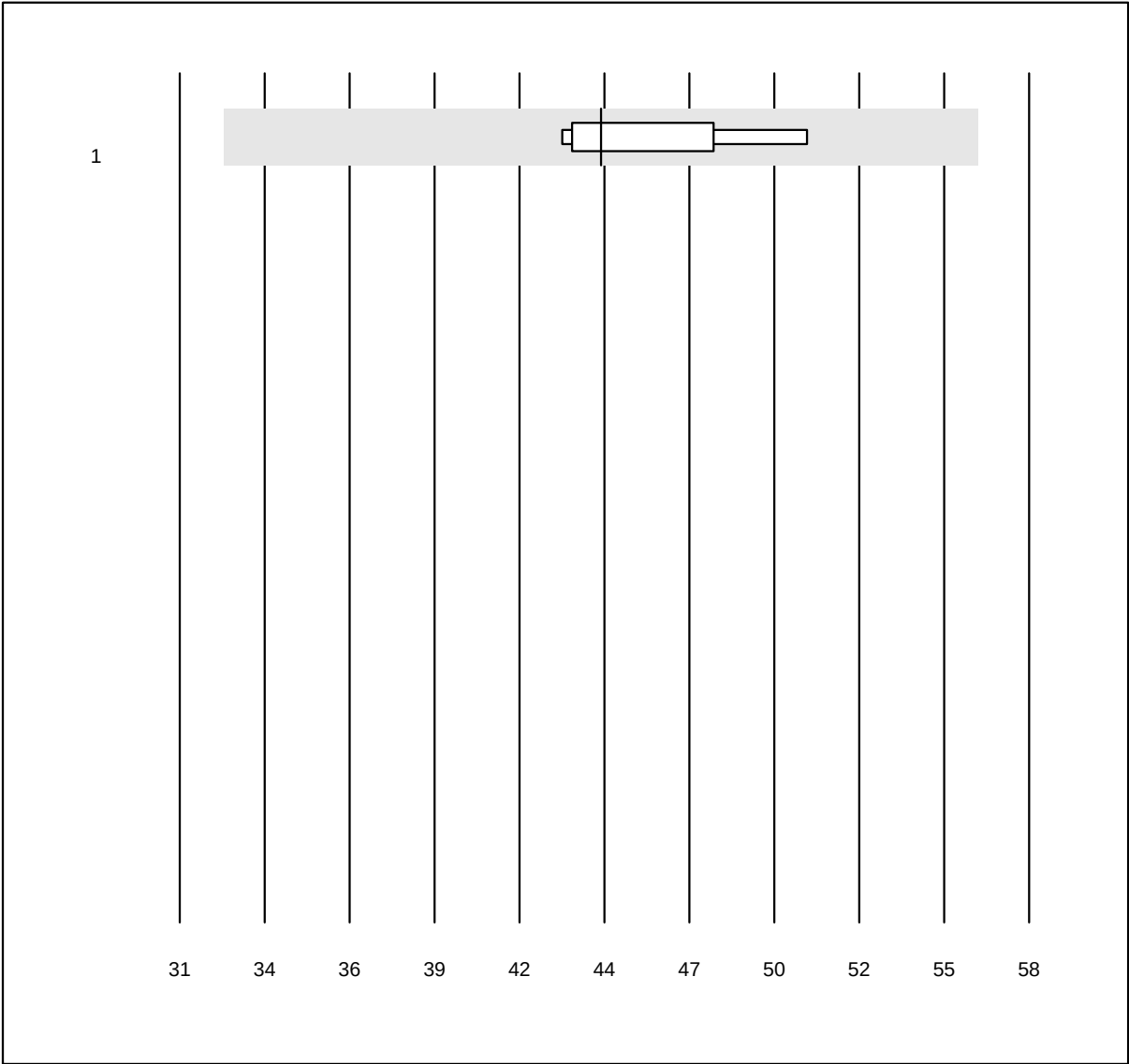
QUALAB Toleranz: 27%

Vitamin D 25 (OH) (nmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	6	100.0	0.0	0.0	57.5	5.0	e
2 Roche	27	100.0	0.0	0.0	57.0	5.6	e
3 Siemens	7	100.0	0.0	0.0	69.7	9.3	e*
4 VIDAS	4	100.0	0.0	0.0	56.1	13.0	e*
5 AFIAS	10	80.0	10.0	10.0	57.5	19.4	a*
6 RapidReader Cube Reader	13	92.3	7.7	0.0	65.1	14.2	e*
7 Other methods	5	100.0	0.0	0.0	66.9	12.4	e*

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

Vitamin D 1,25-(OH)2

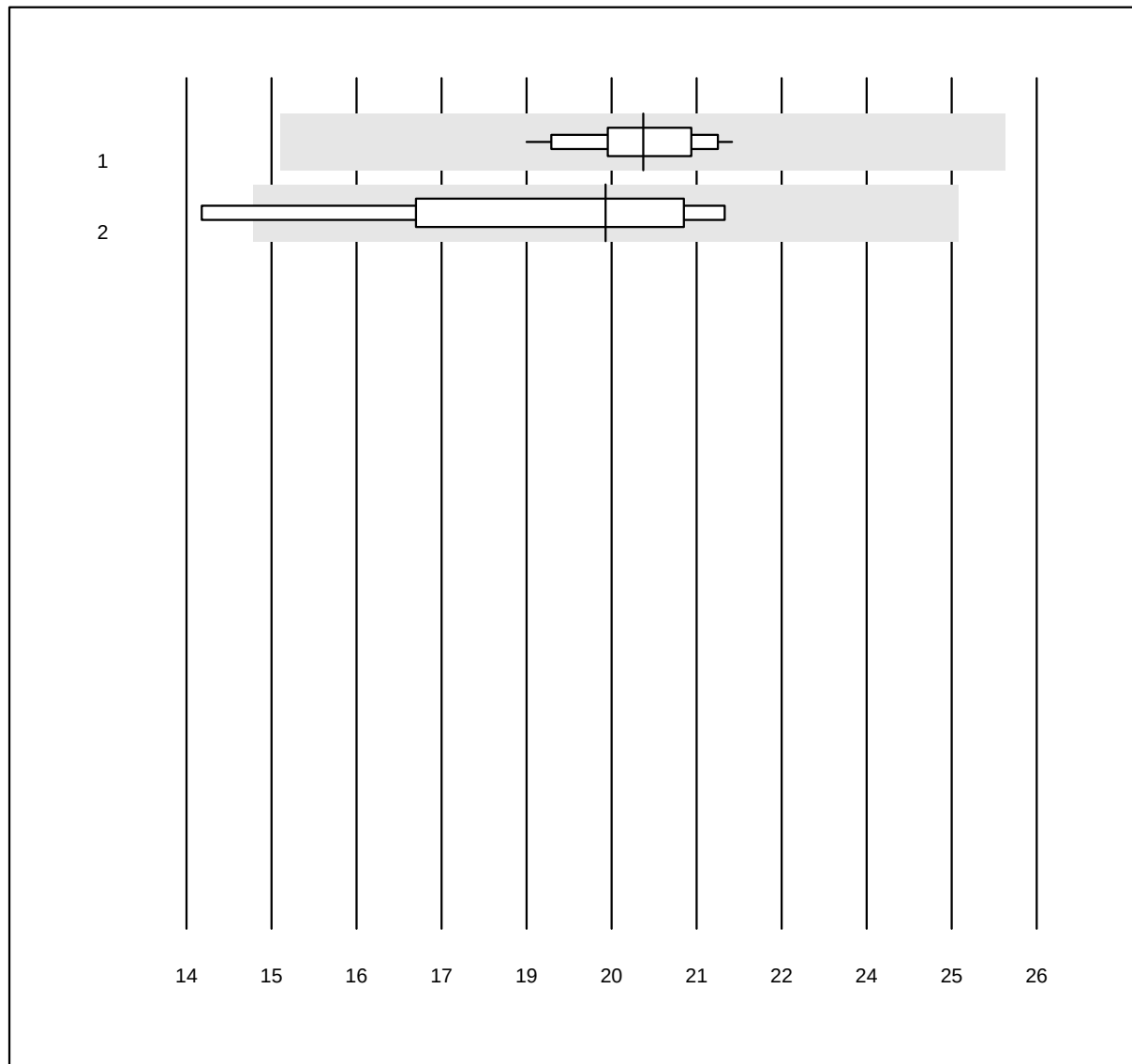


MQ Toleranz: 27%

Vitamin D 1,25-(OH)2 (ng/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Other methods	4	100.0	0.0	0.0	44.4	5.6	e
1 additional results were submitted but not published because the method groups were too small. (< results per group)								

AMH



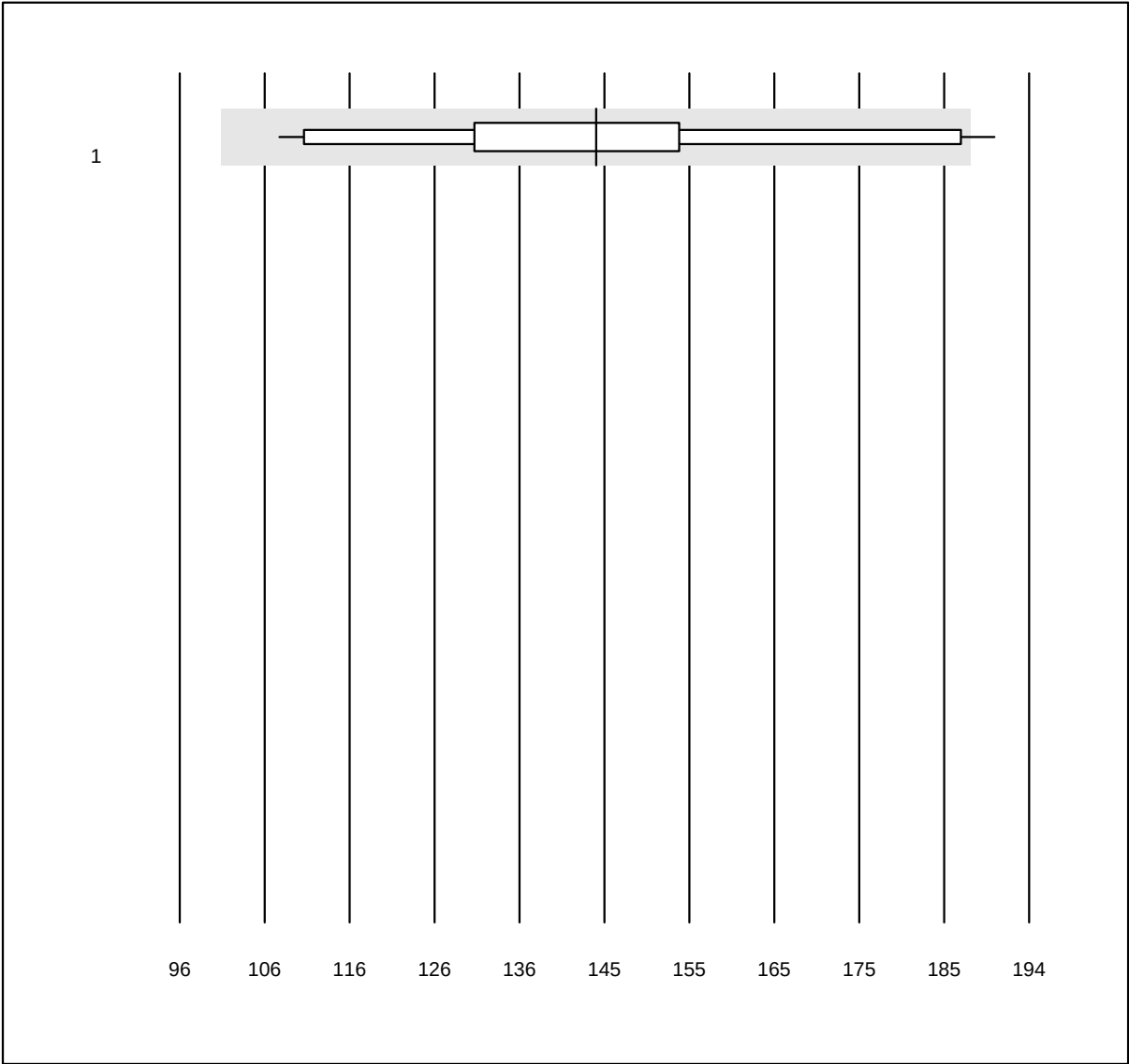
MQ Toleranz: 25%

AMH (pmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	14	100.0	0.0	0.0	20.4	3.9	e
2 VIDAS	5	100.0	0.0	0.0	19.9	11.7	a*

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

Inhibin B

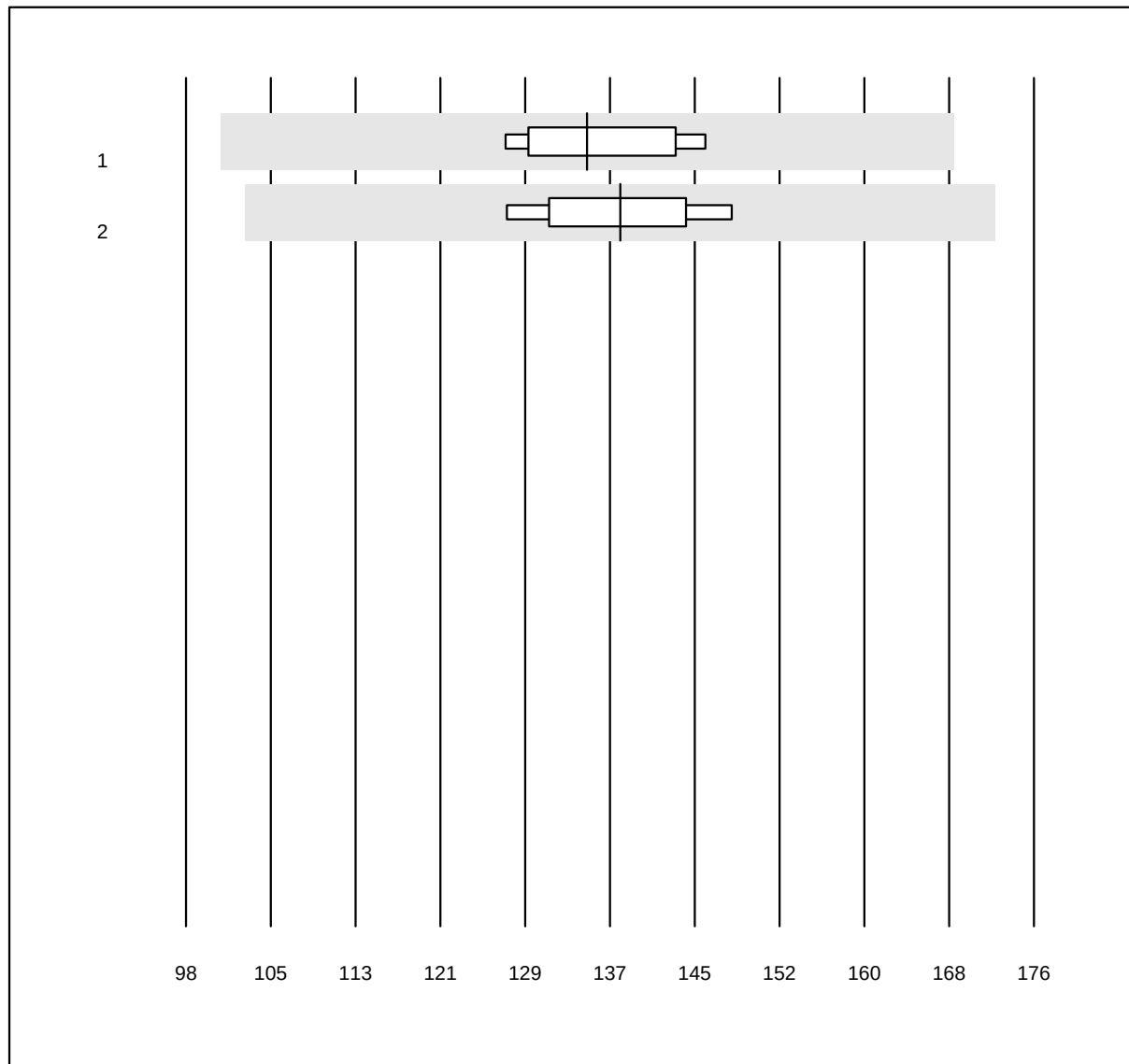


MQ Toleranz: 30%

Inhibin B (ng/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	all Participants	11	90.9	9.1	0.0	144.0	15.8	e*

Calcitonin



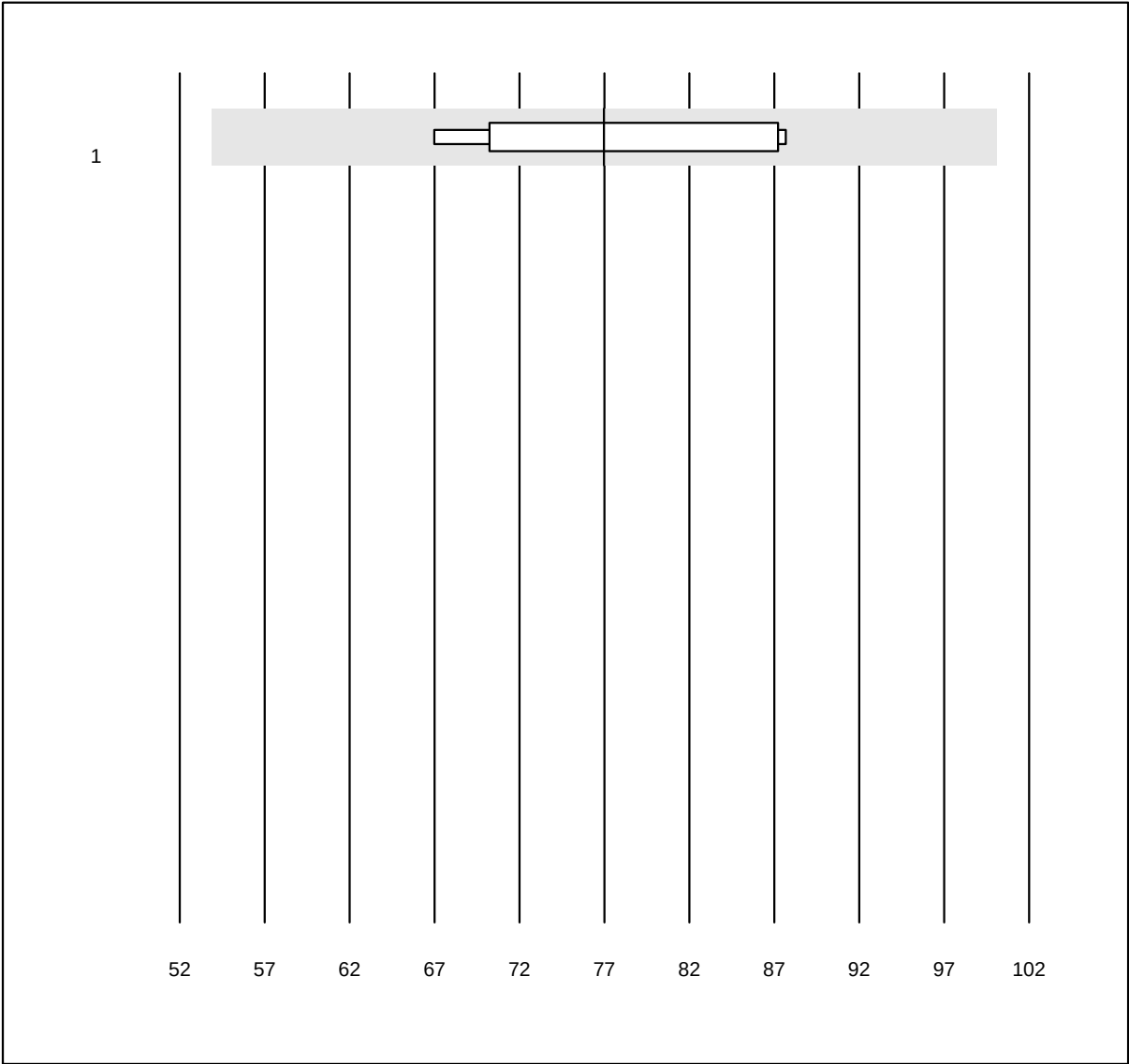
MQ Toleranz: 25%

Calcitonin (pmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Liaison	6	100.0	0.0	0.0	134.9	5.3	e
2 Other methods	6	100.0	0.0	0.0	137.9	4.9	e

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

Aldosteron



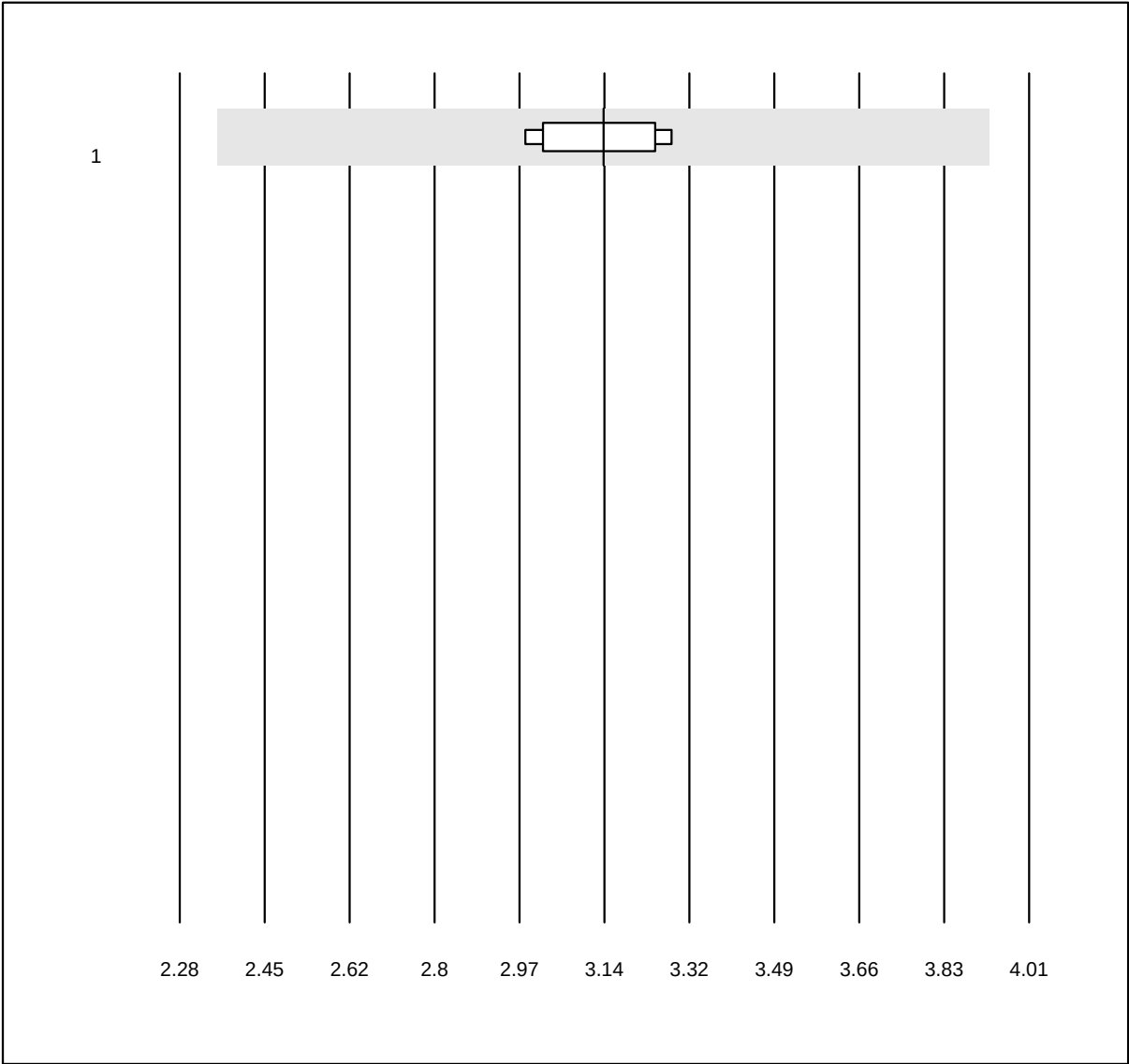
MQ Toleranz: 30%

Aldosteron (ng/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Liaison	7	100.0	0.0	0.0	77.0	9.8	e*

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

IGF-BP3



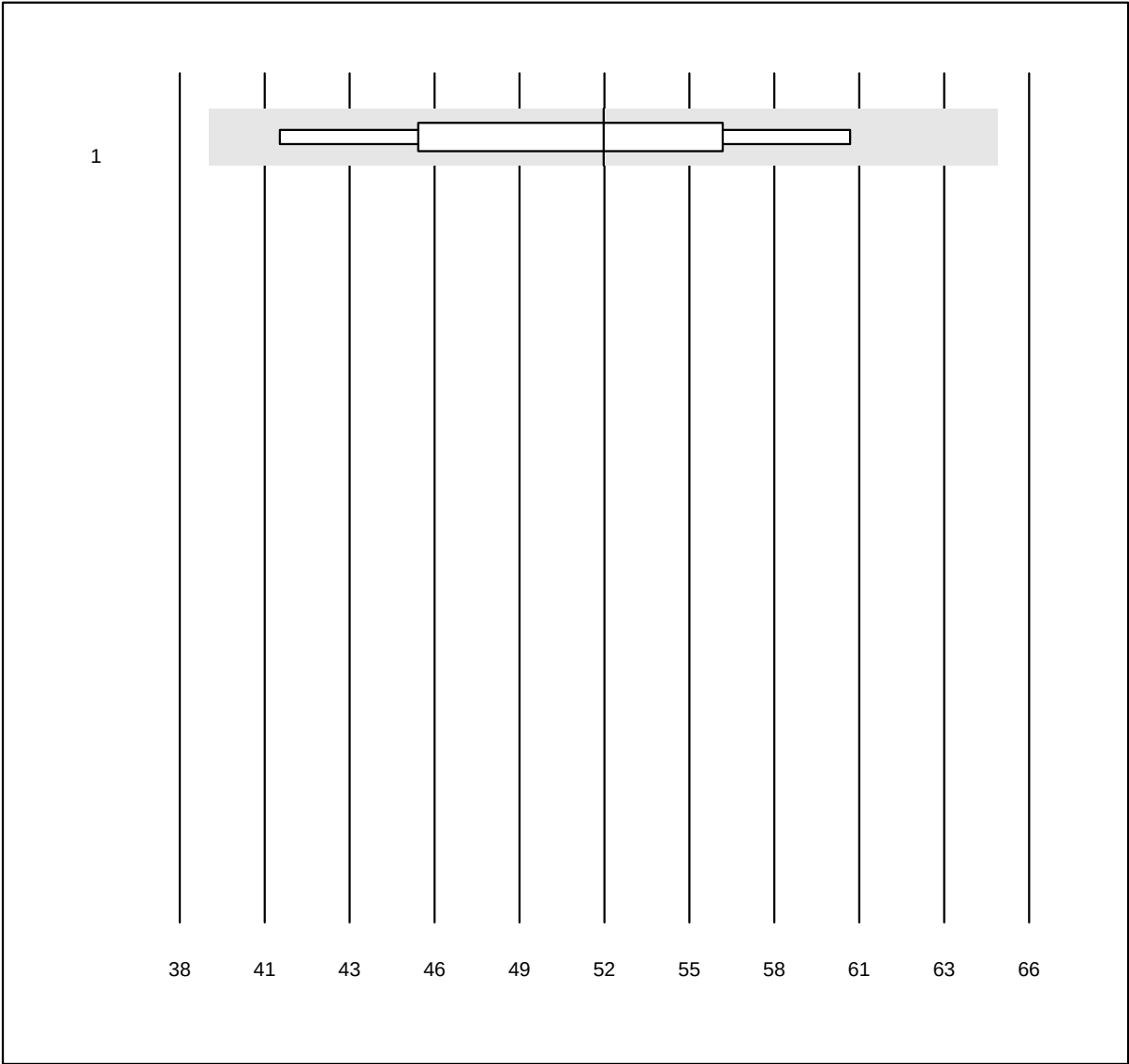
MQ Toleranz: 25%

IGF-BP3 (mg/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Cobas	5	100.0	0.0	0.0	3.14	3.7	e

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

Renin



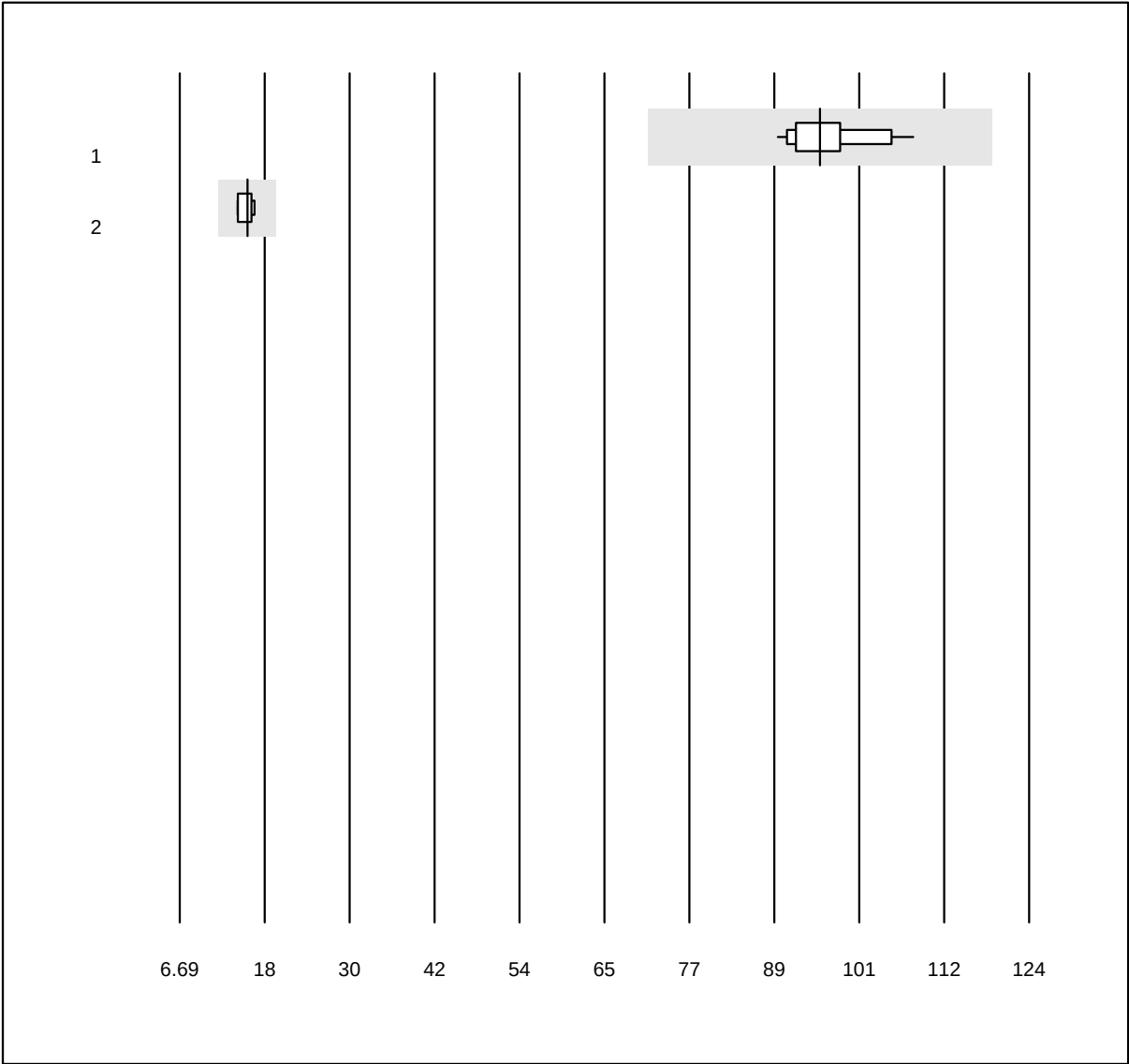
MQ Toleranz: 25%

Renin (mU/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Liaison	9	100.0	0.0	0.0	52.0	11.6	e*

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

Anti Thyreoglobulin



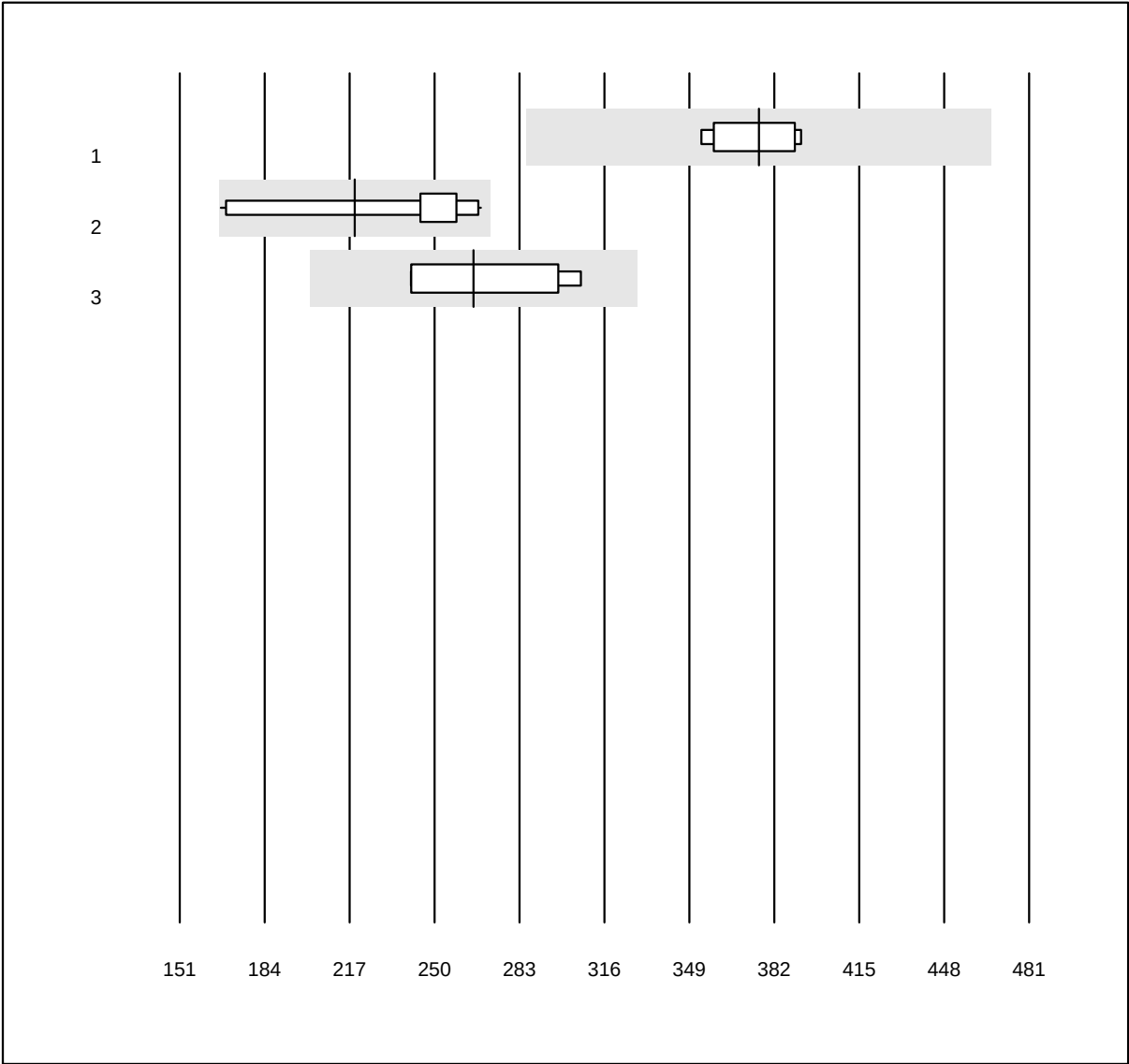
MQ Toleranz: 25%

Anti Thyreoglobulin (IU/ml)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	15	100.0	0.0	0.0	95.1	5.2	e
2	Alinity	6	100.0	0.0	0.0	16.1	5.8	e

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

Anti TPO



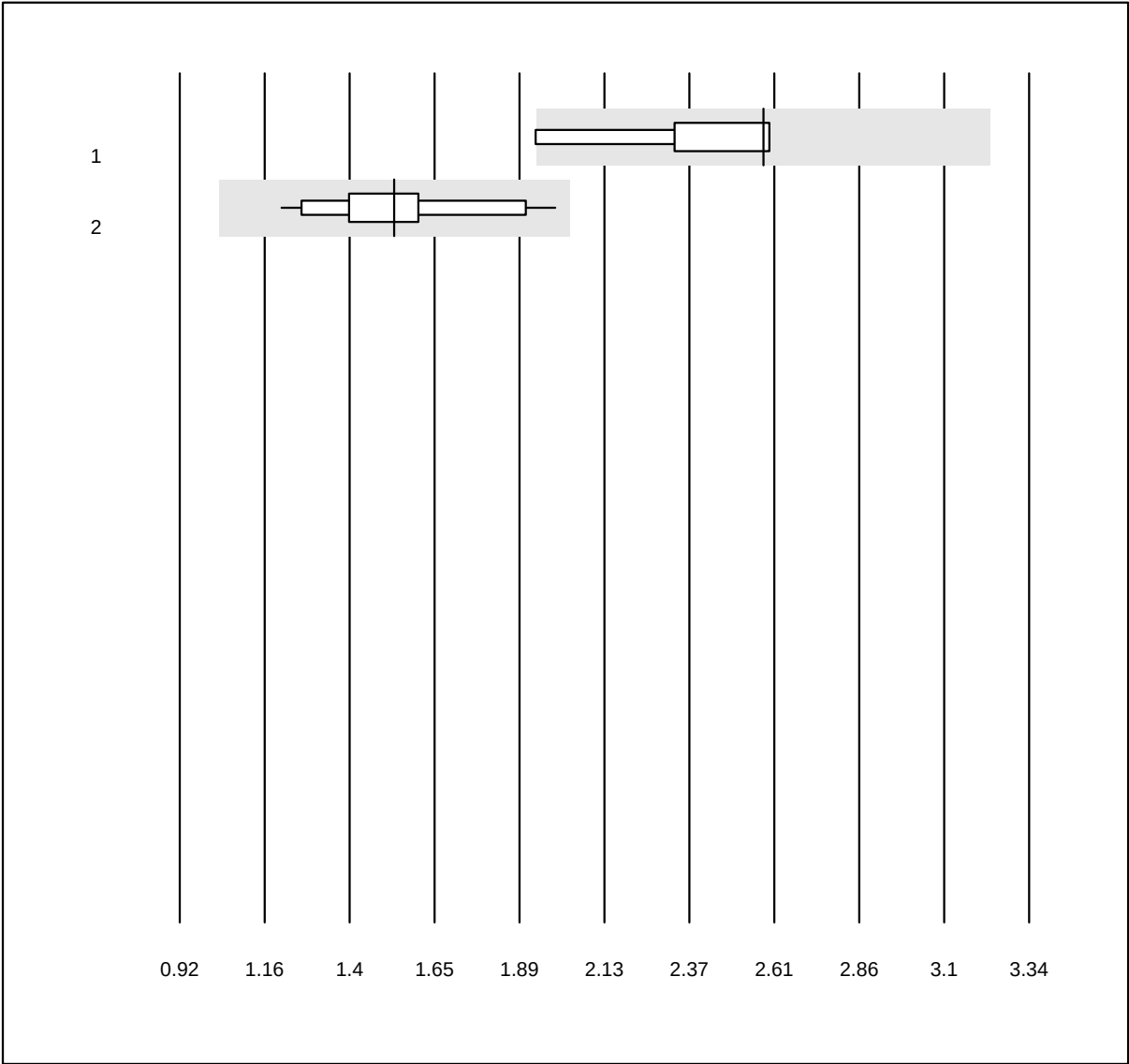
QUALAB Toleranz: 24%

Anti TPO (IU/ml)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Abbott	7	100.0	0.0	0.0	376.0	4.4	e
2	Roche	14	100.0	0.0	0.0	219.0	13.2	a*
3	Phadia	4	100.0	0.0	0.0	265.1	11.8	e*

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

TRAK



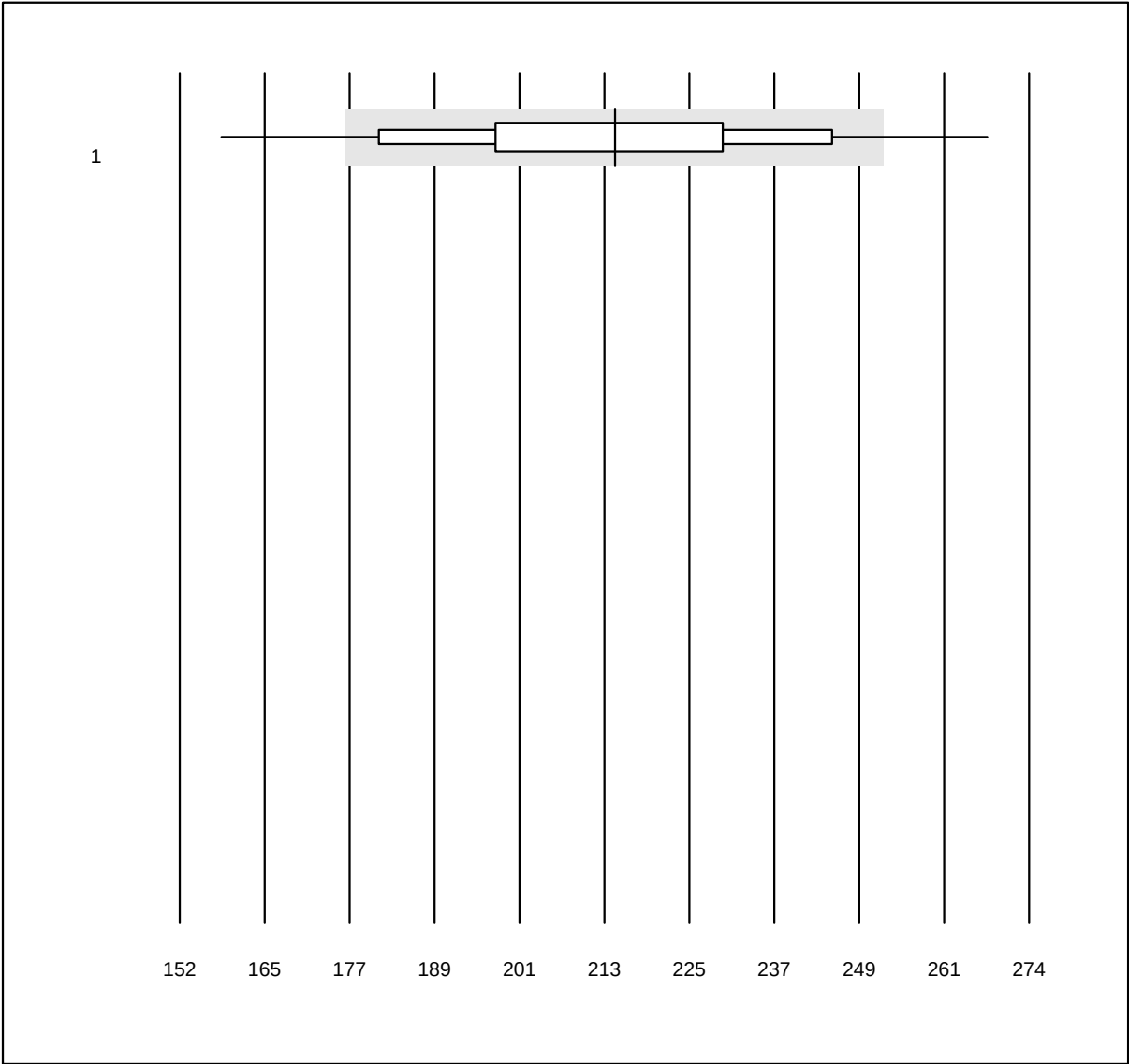
MQ Toleranz: 25%

TRAK (IU/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Abbott	5	100.0	0.0	0.0	2.58	8.6	e*
2	Roche	12	100.0	0.0	0.0	1.53	12.6	e

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

Creatinine WB

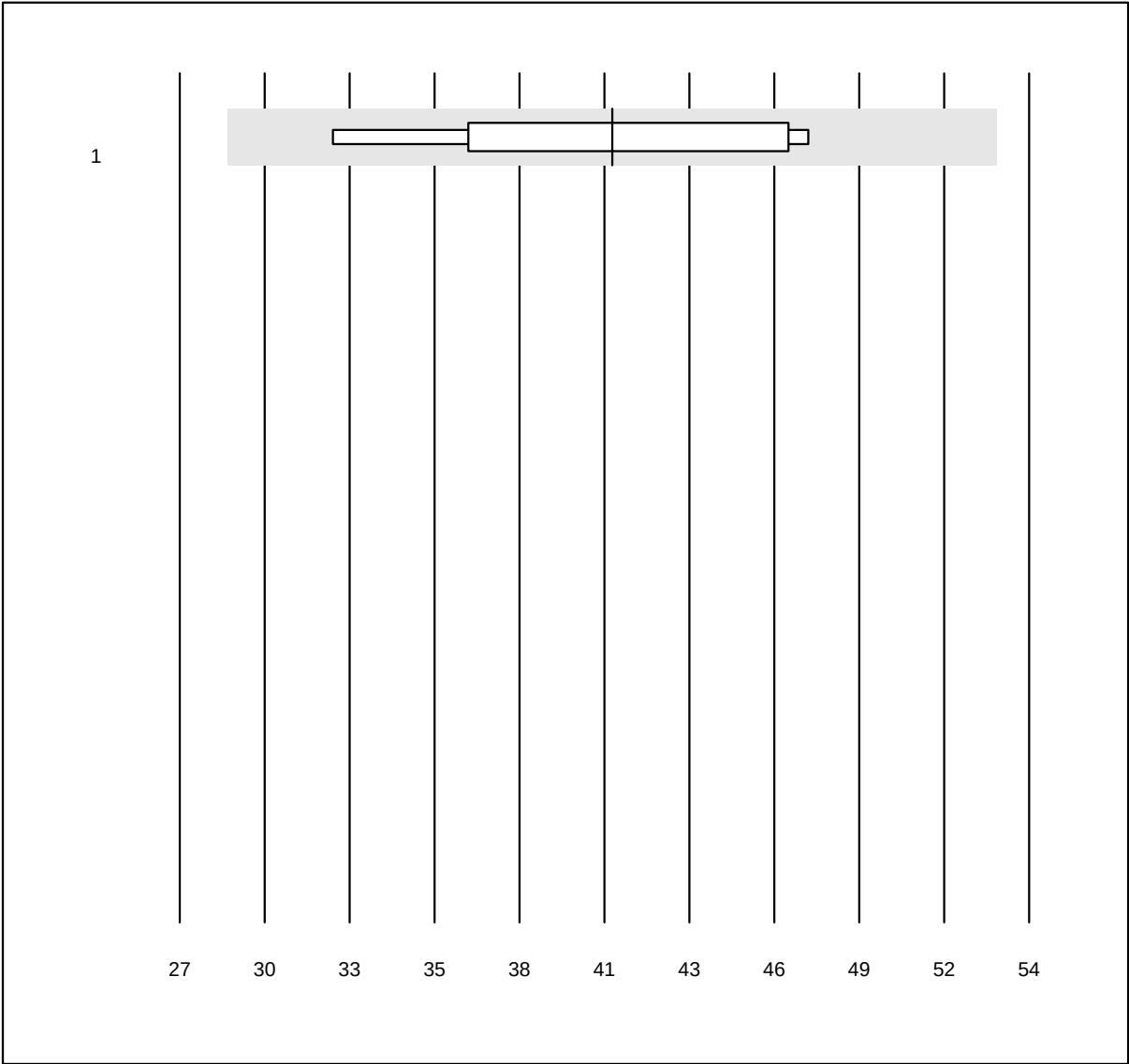


QUALAB Toleranz: 18%

Creatinine WB ($\mu\text{mol/l}$)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Statsensor i / Nova	94	89.4	8.5	2.1	215	10.8	e

eGFR CDK-EPI WB

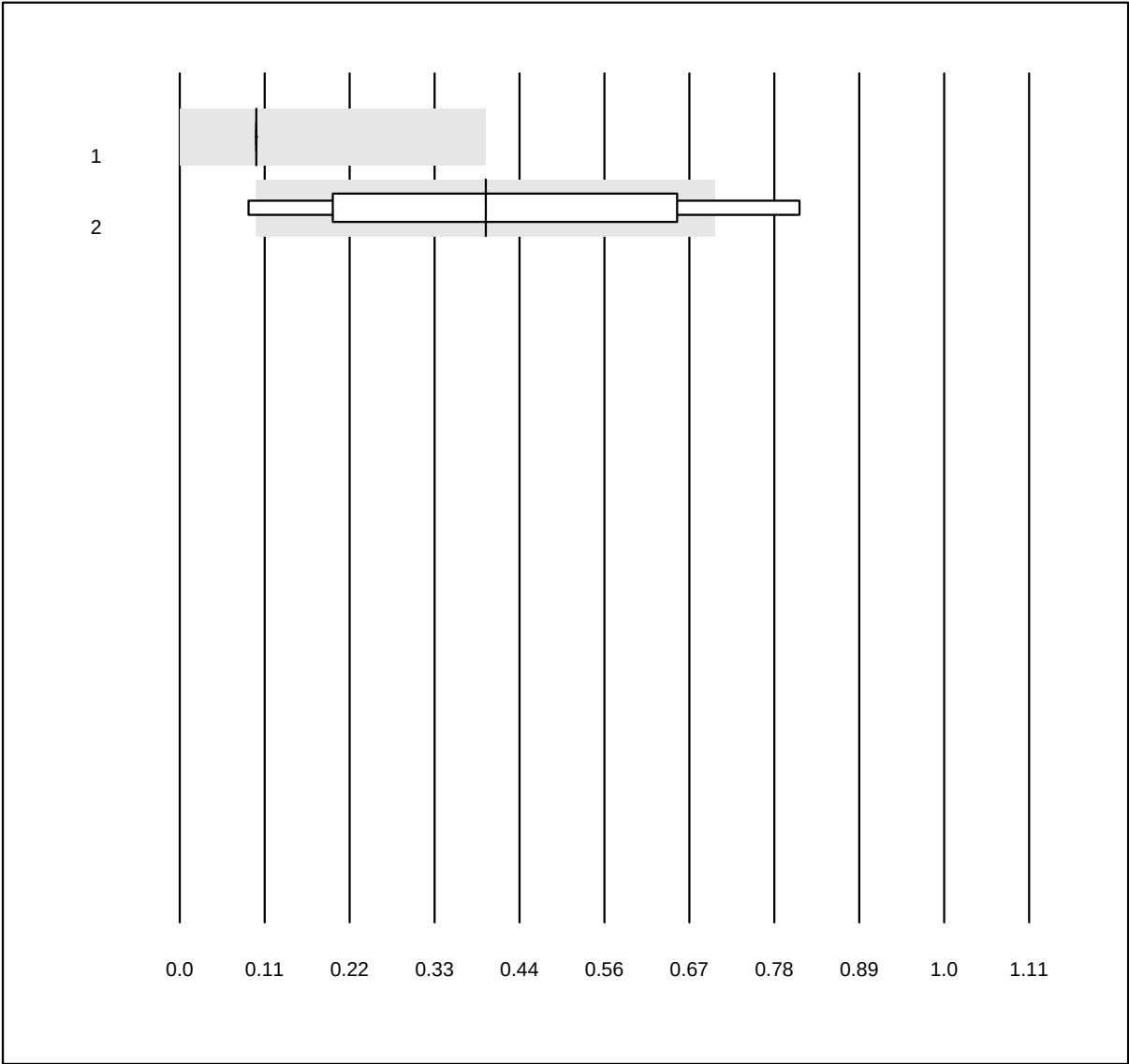


MQ Toleranz: 30%

eGFR CDK-EPI WB ()

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Statsensor i / Nova	6	100.0	0.0	0.0	41	13.7	e*

Keton WB



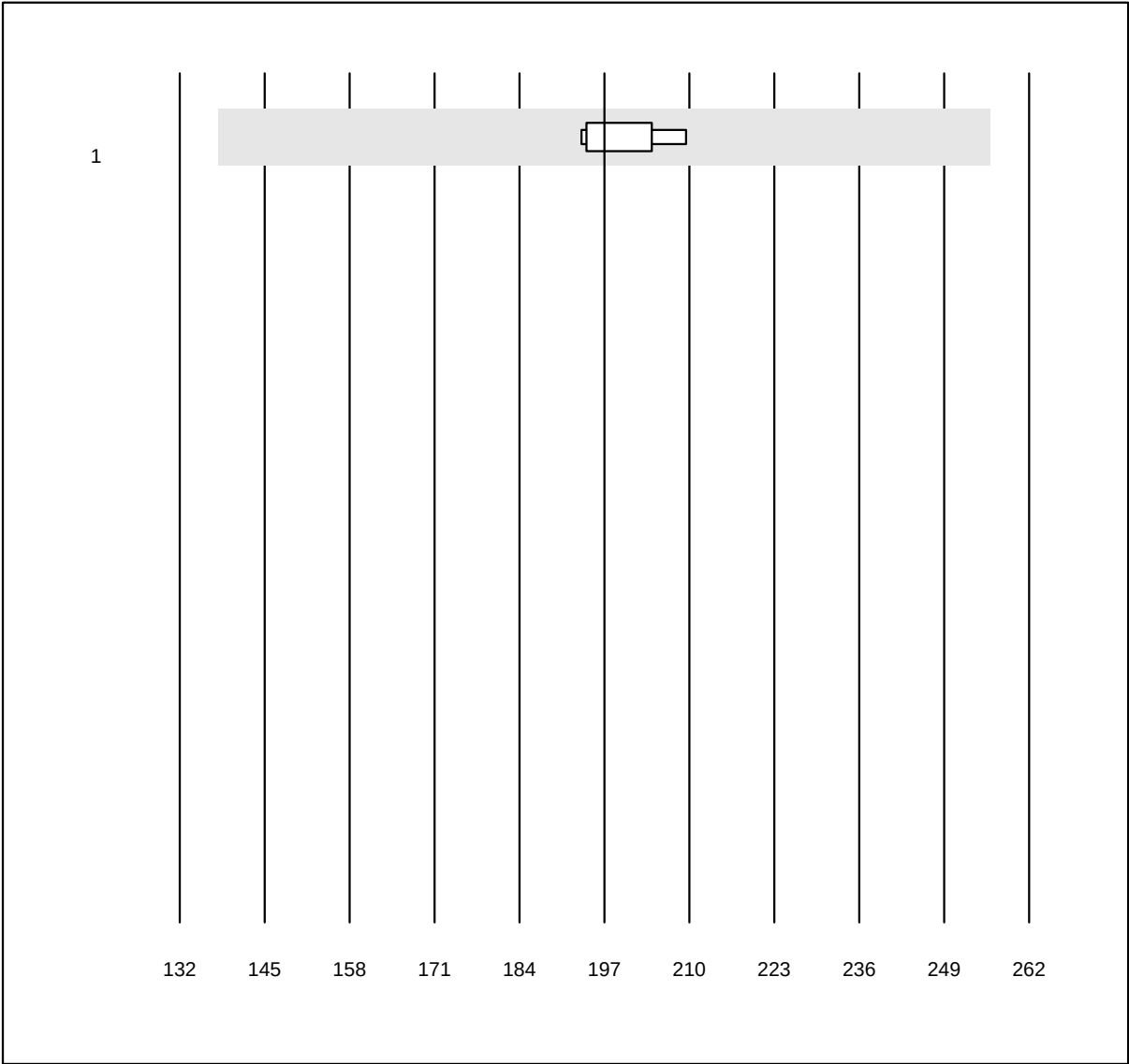
MQ Toleranz: 40%
(< 1.0: +/- 0.3 mmol/l)

Keton WB (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Other methods	9	100.0	0.0	0.0	0.100	0.0	a
2 Ketosure APEXBIO	8	75.0	25.0	0.0	0.400	62.7	a*

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

IL6

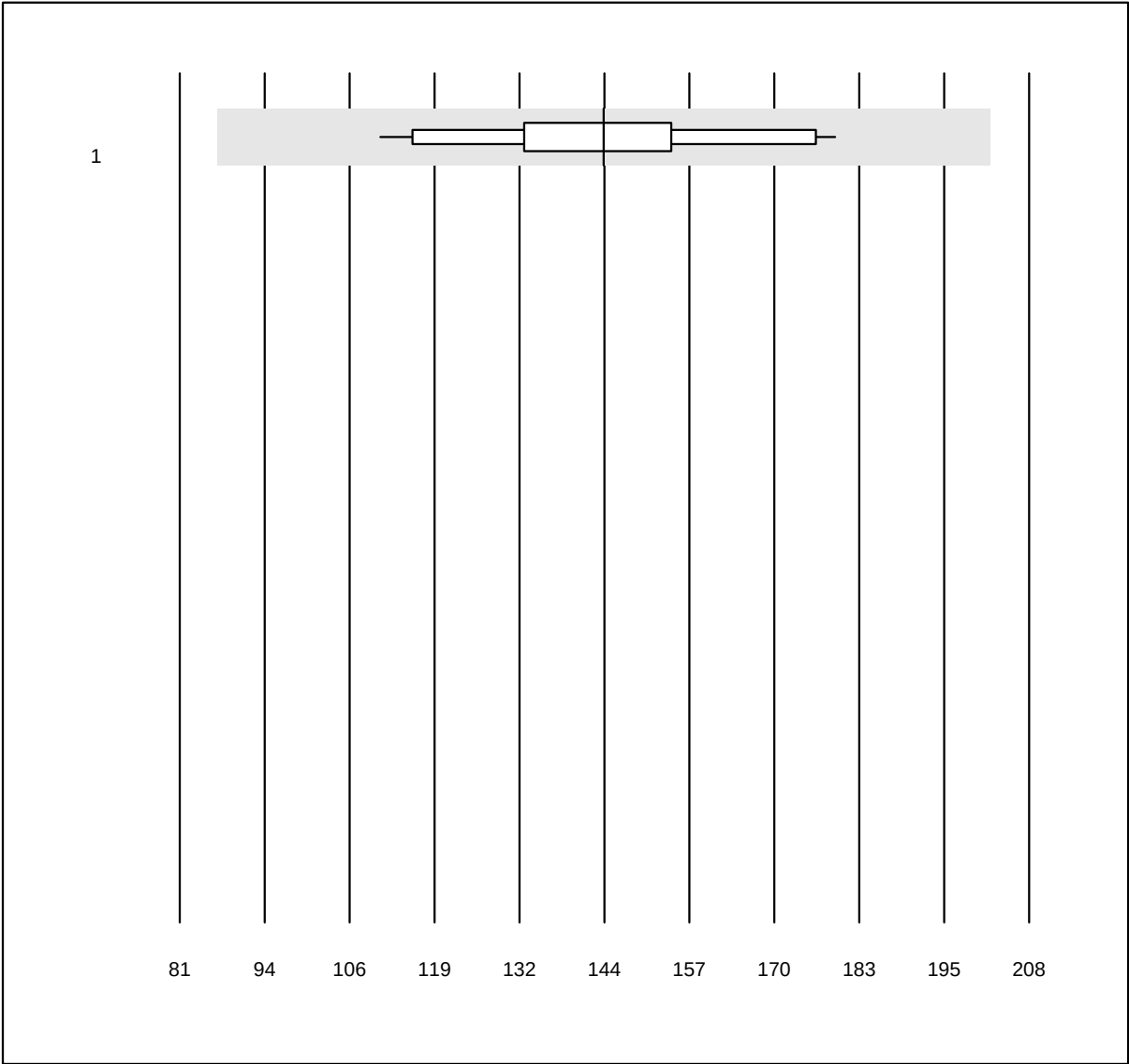


MQ Toleranz: 30%

IL6 (ng/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	4	100.0	0.0	0.0	197.0	2.7	e

Pankreas Elastase

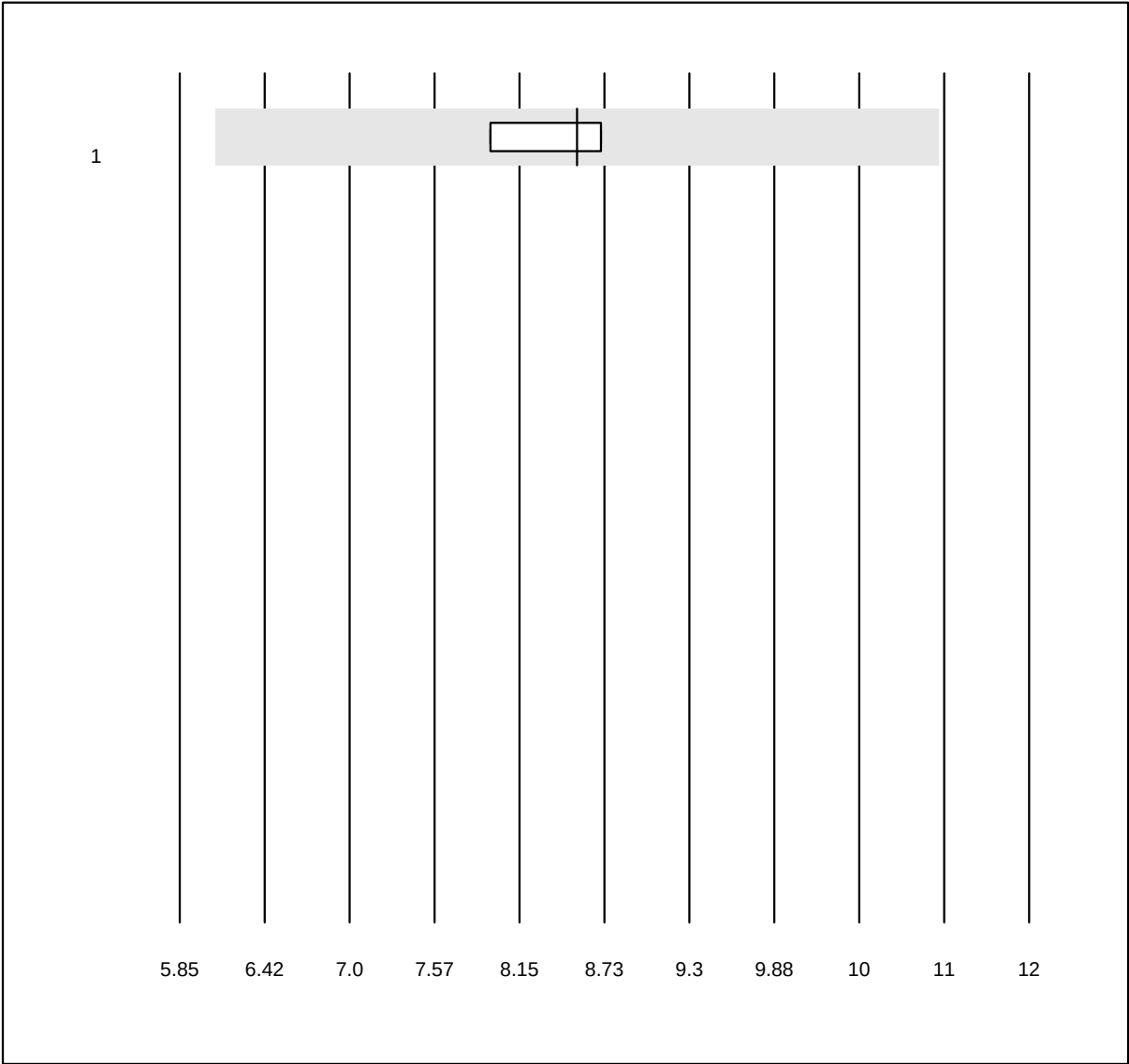


MQ Toleranz: 40%

Pankreas Elastase (µg/g)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Other methods	18	94.4	0.0	5.6	144	13.0	e

Copeptin

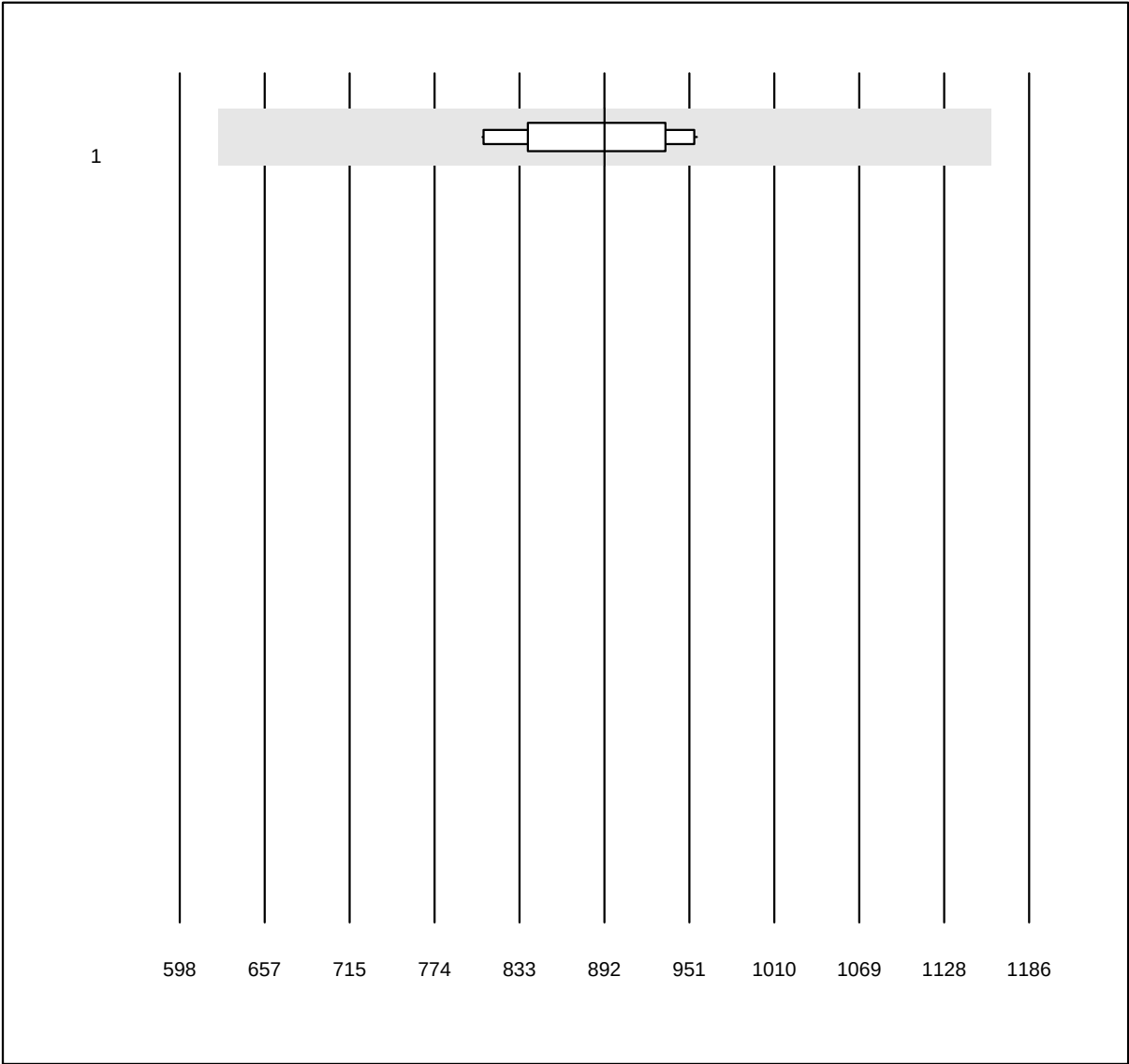


MQ Toleranz: 30%

Copeptin (pmol/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Kryptor	7	100.0	0.0	0.0	8.7	4.1	e

PIGF

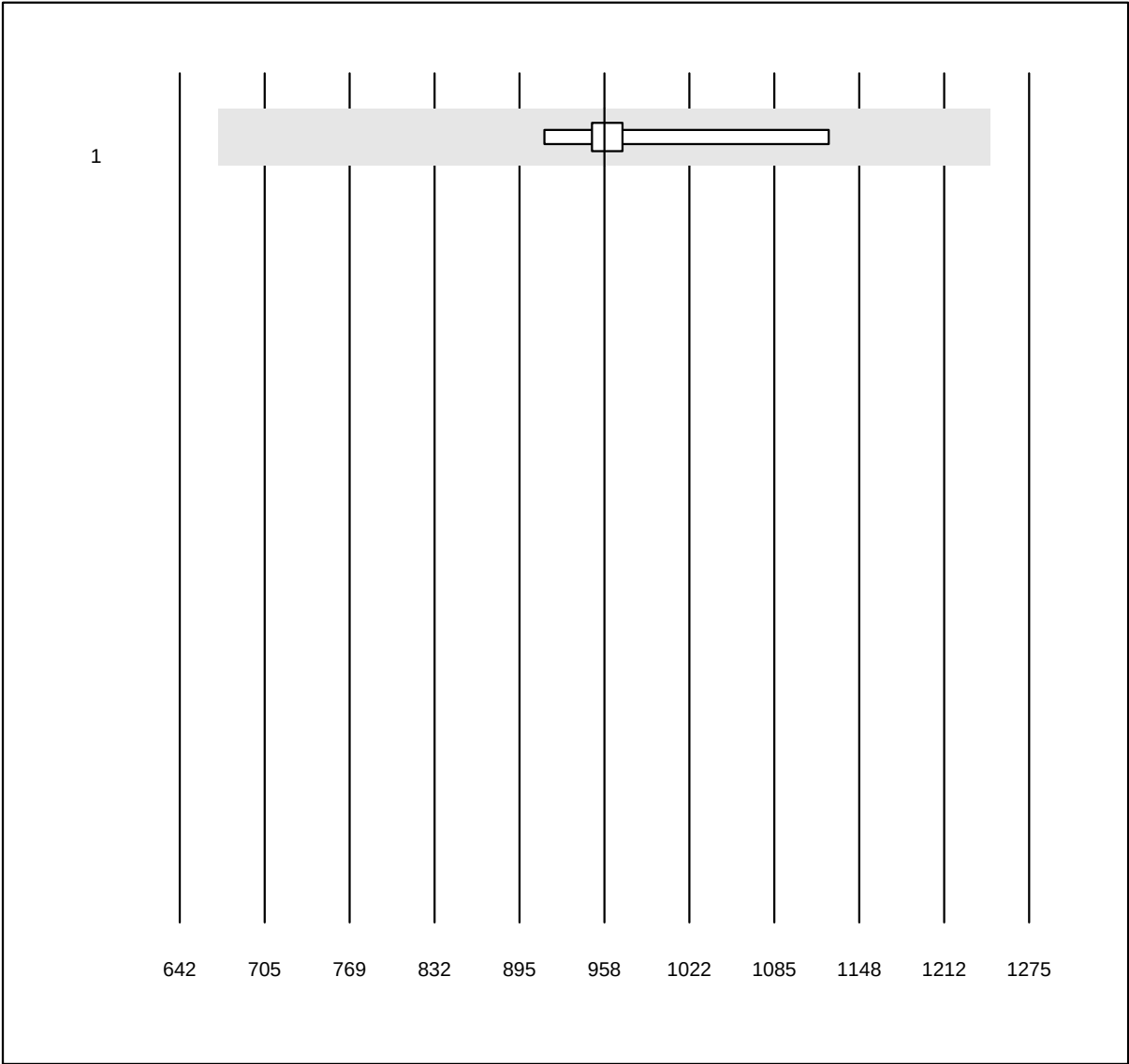


MQ Toleranz: 30%

PIGF (pg/ml)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	10	100.0	0.0	0.0	892.1	6.1	e

SFIT1



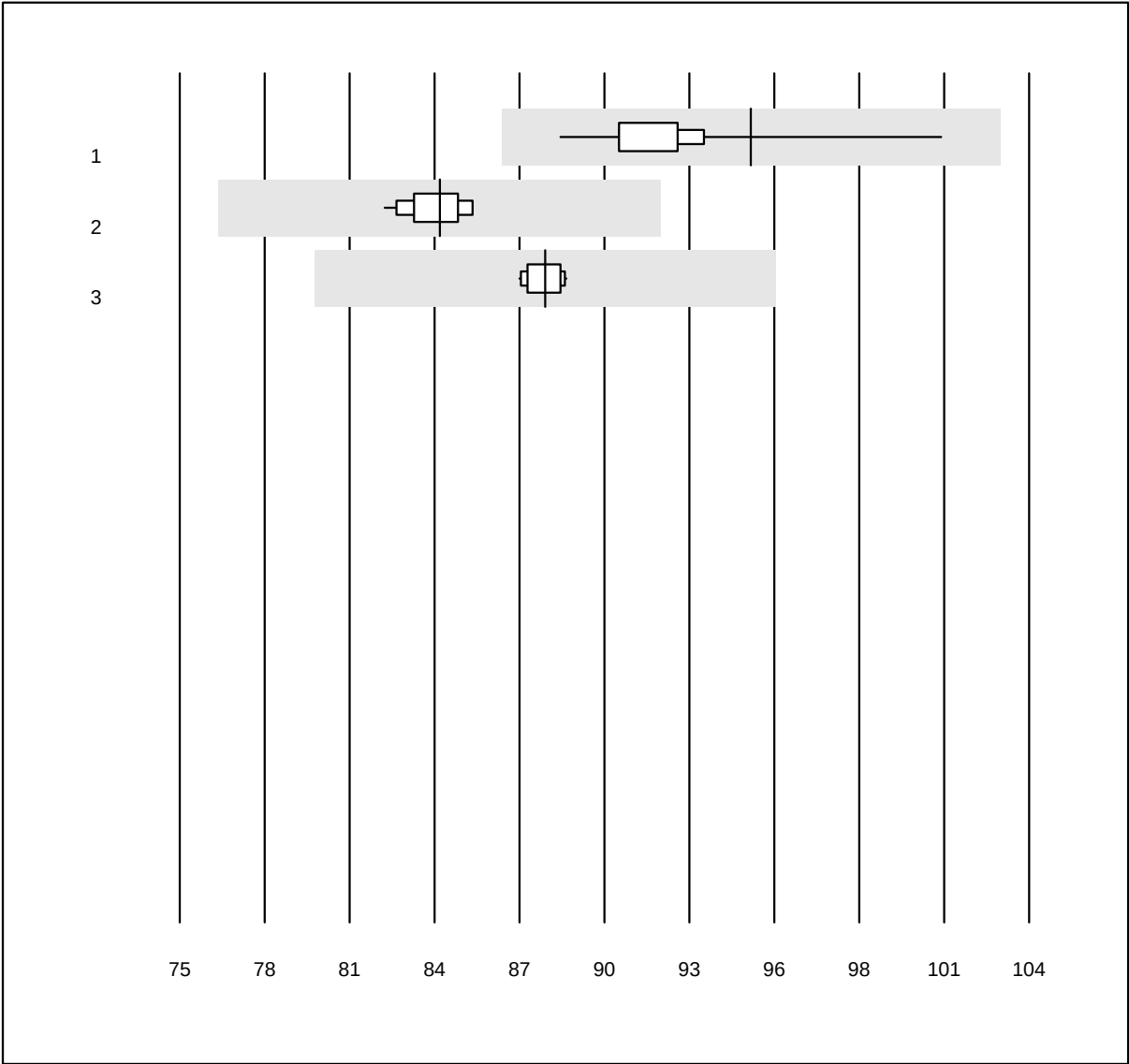
MQ Toleranz: 30%

SFIT1 (pg/ml)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	8	100.0	0.0	0.0	958.5	6.0	e

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

tHb

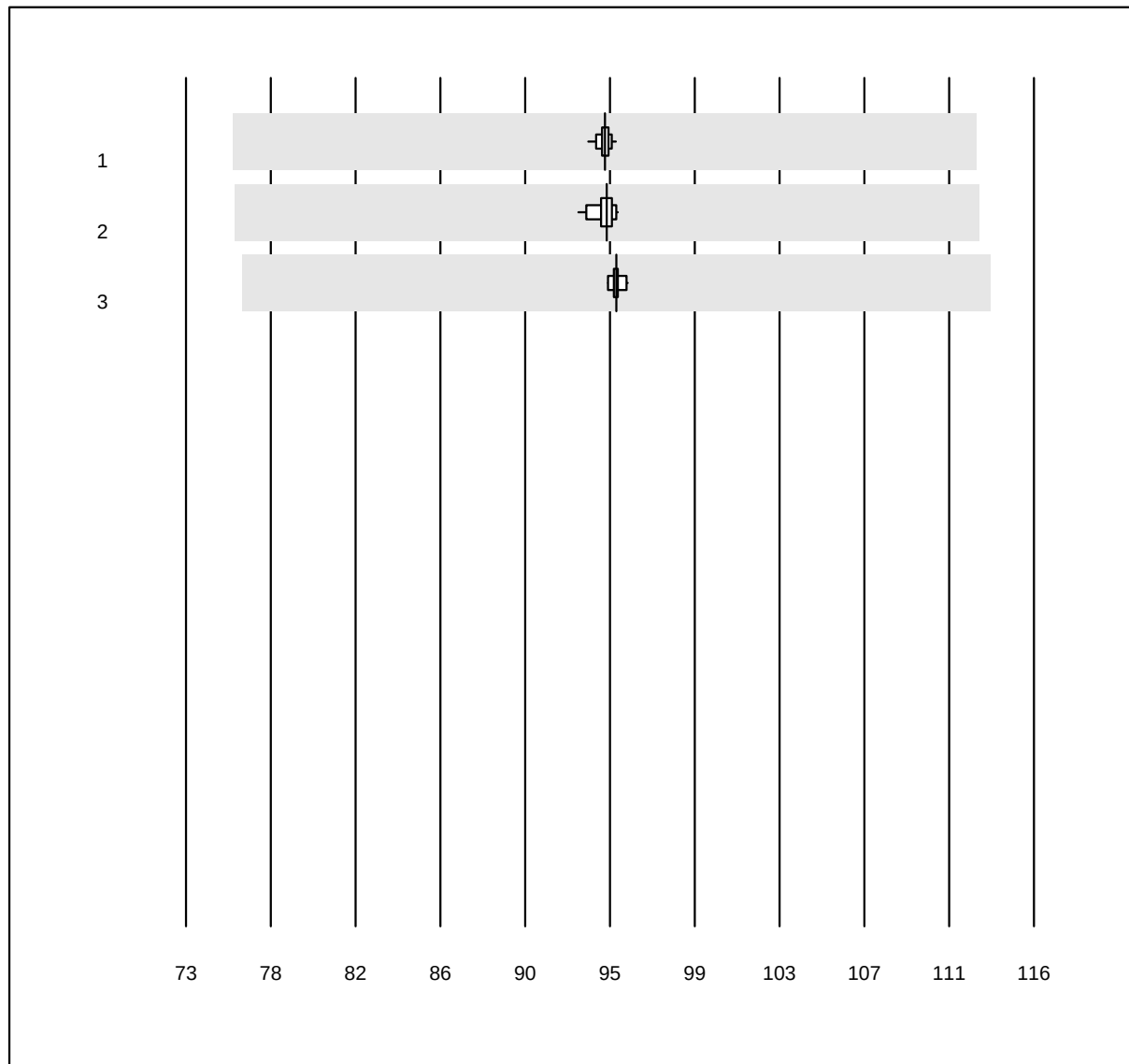


MQ Toleranz: 9%

tHb (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 RAPIDPoint 500	30	100.0	0.0	0.0	94.5	2.9	a
2 GEM	13	100.0	0.0	0.0	83.9	1.1	e
3 Cobas b 123	14	100.0	0.0	0.0	87.5	0.7	e

O2Hb

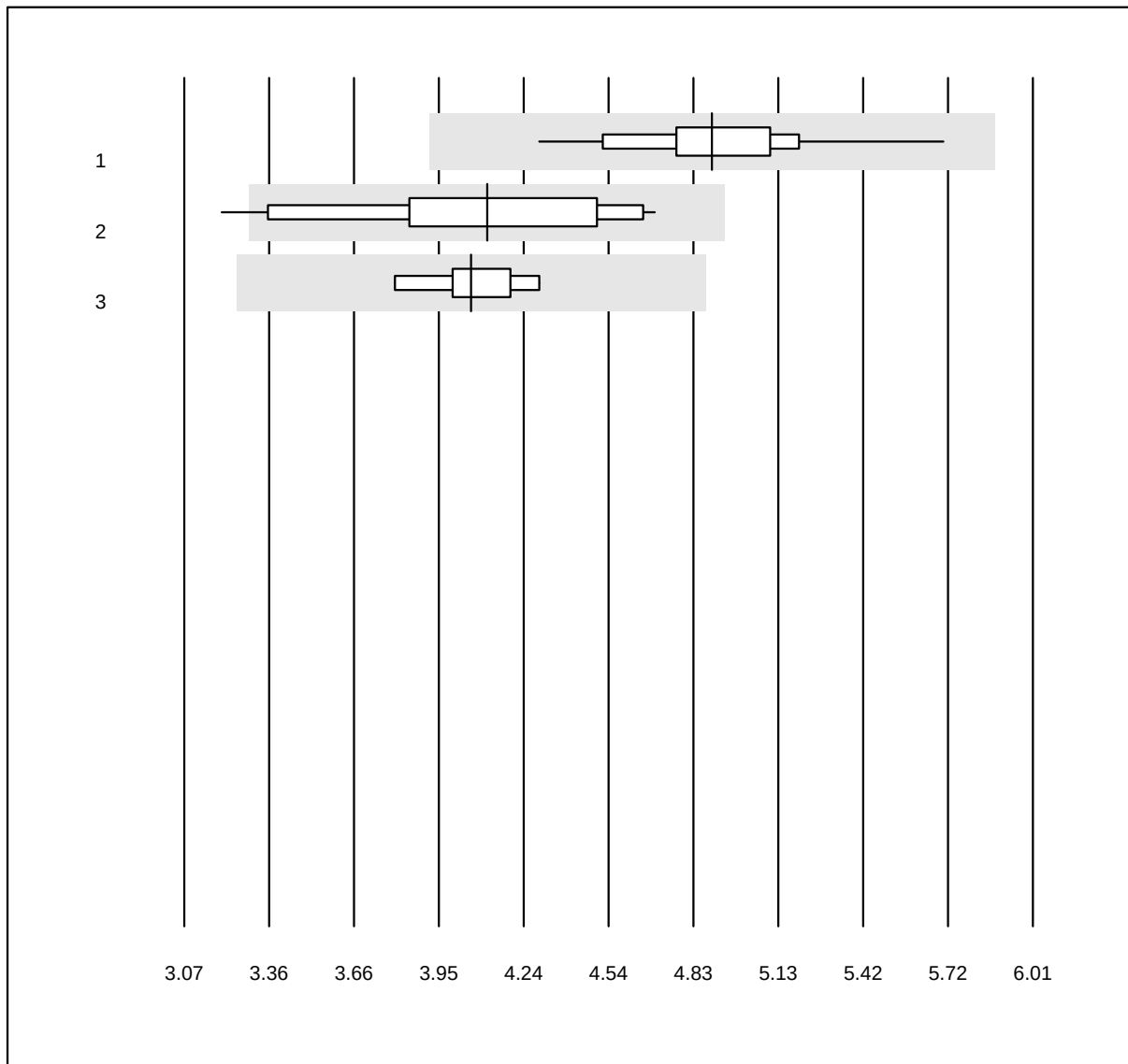


MQ Toleranz: 20%

O2Hb (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 RAPIDPoint 500	30	100.0	0.0	0.0	94.2	0.3	e
2 GEM	13	100.0	0.0	0.0	94.3	0.5	e
3 Cobas b 123	11	100.0	0.0	0.0	94.8	0.3	e

COHb

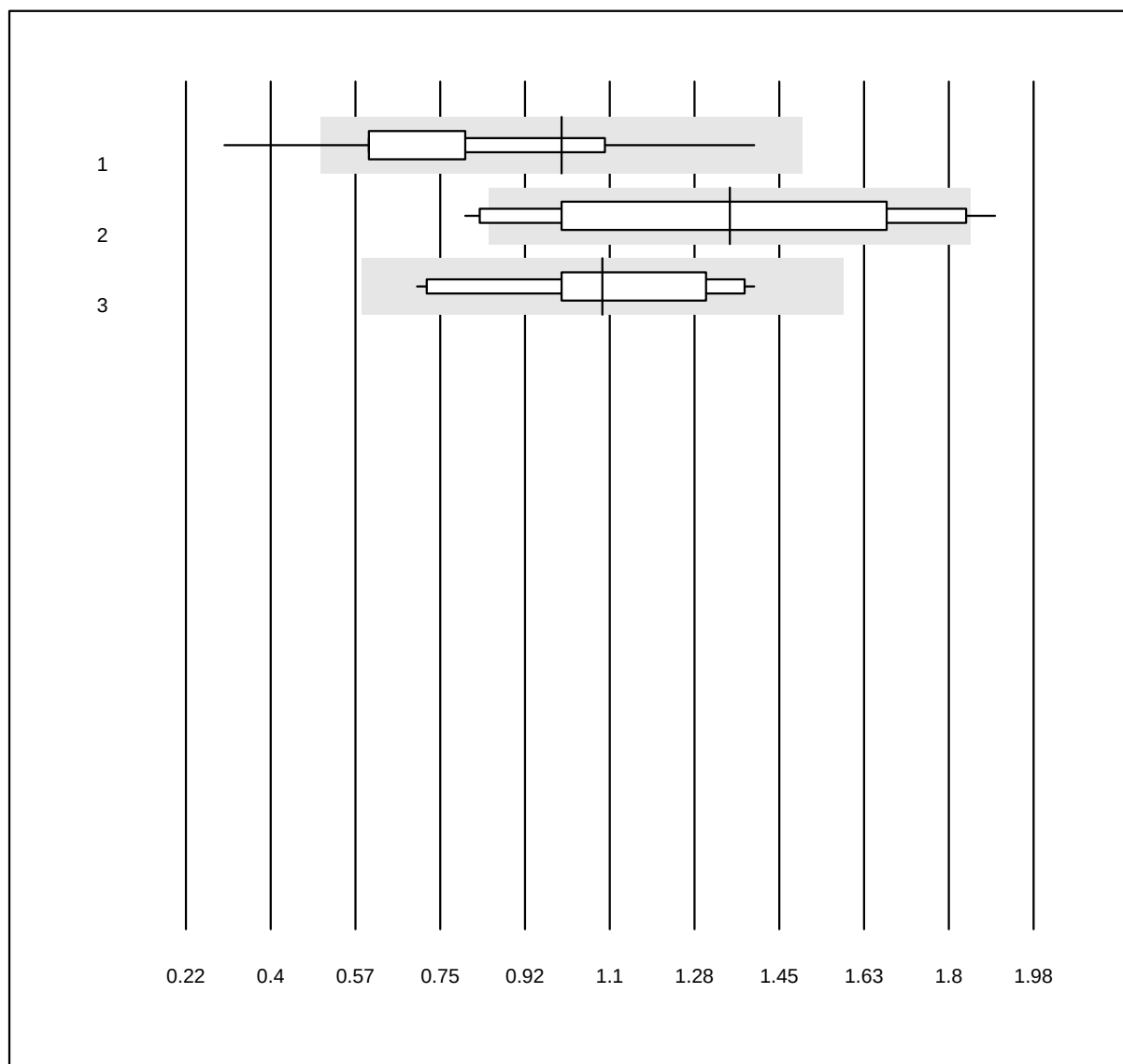


MQ Toleranz: 20%

COHb (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 RAPIDPoint 500	30	100.0	0.0	0.0	4.9	6.0	e
2 GEM	13	92.3	7.7	0.0	4.1	10.5	e*
3 Cobas b 123	11	100.0	0.0	0.0	4.1	4.3	e

MetHb

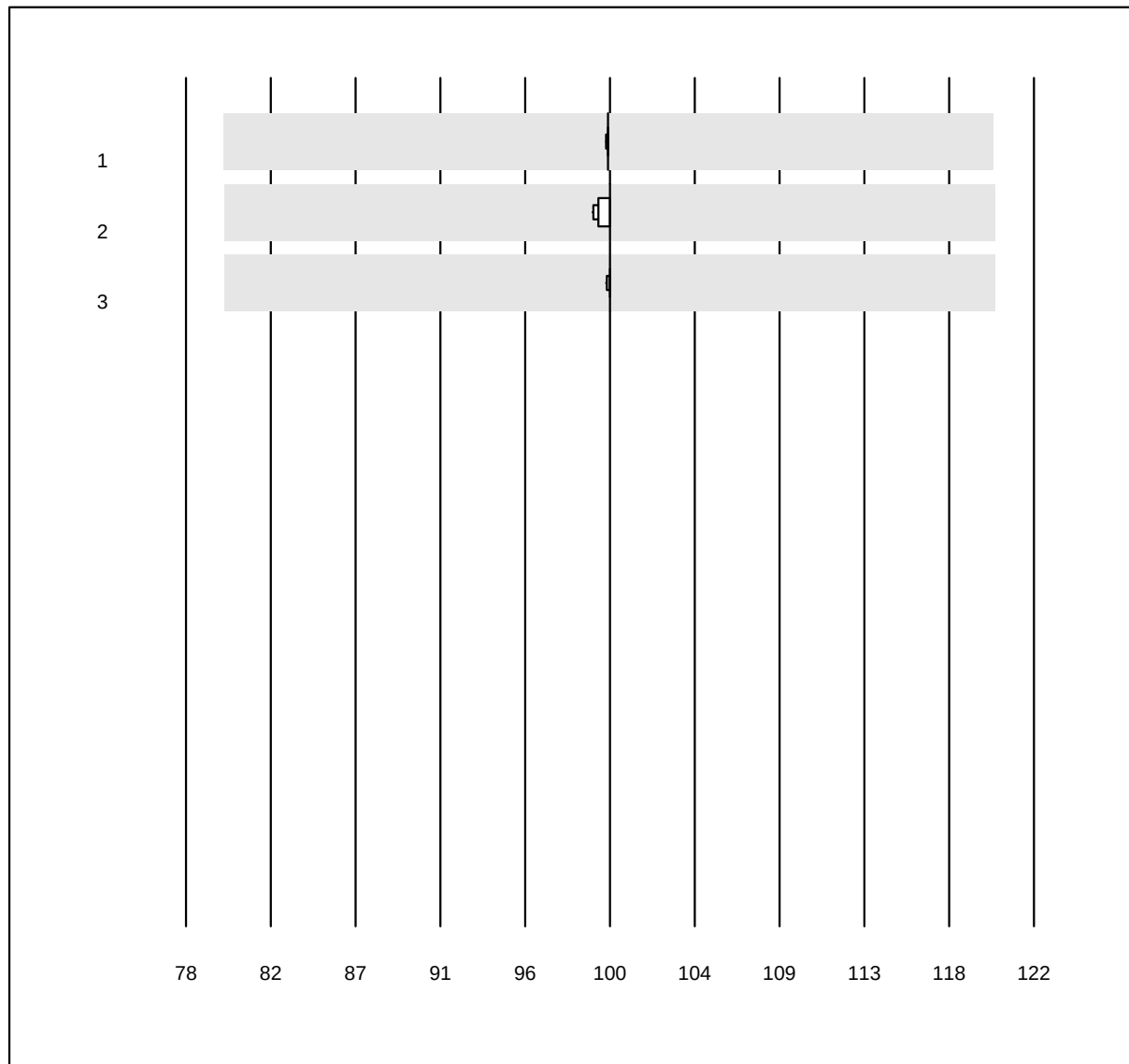


MQ Toleranz: 20%
(< 1.5: +/- 0.5 %)

MetHb (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 RAPIDPoint 500	30	96.7	3.3	0.0	1.0	28.6	a
2 GEM	13	76.9	15.4	7.7	1.3	28.3	e*
3 Cobas b 123	11	100.0	0.0	0.0	1.1	19.7	e*

sO2

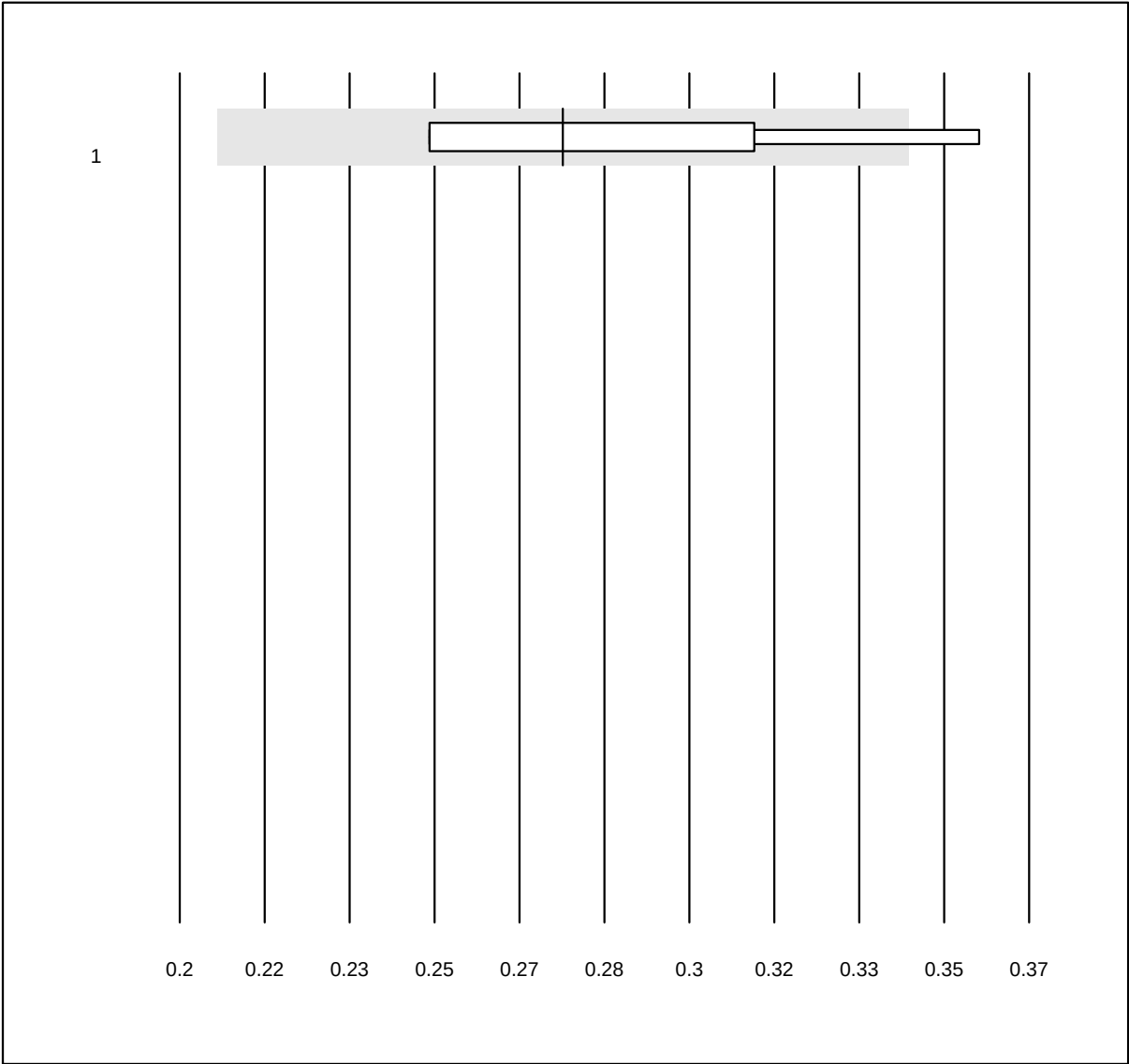


MQ Toleranz: 20%

sO2 (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 RAPIDPoint 500	28	100.0	0.0	0.0	99.9	0.0	e
2 GEM	13	100.0	0.0	0.0	100.0	0.4	e
3 Cobas b 123	11	100.0	0.0	0.0	100.0	0.1	e

CTx (CrossLaps)



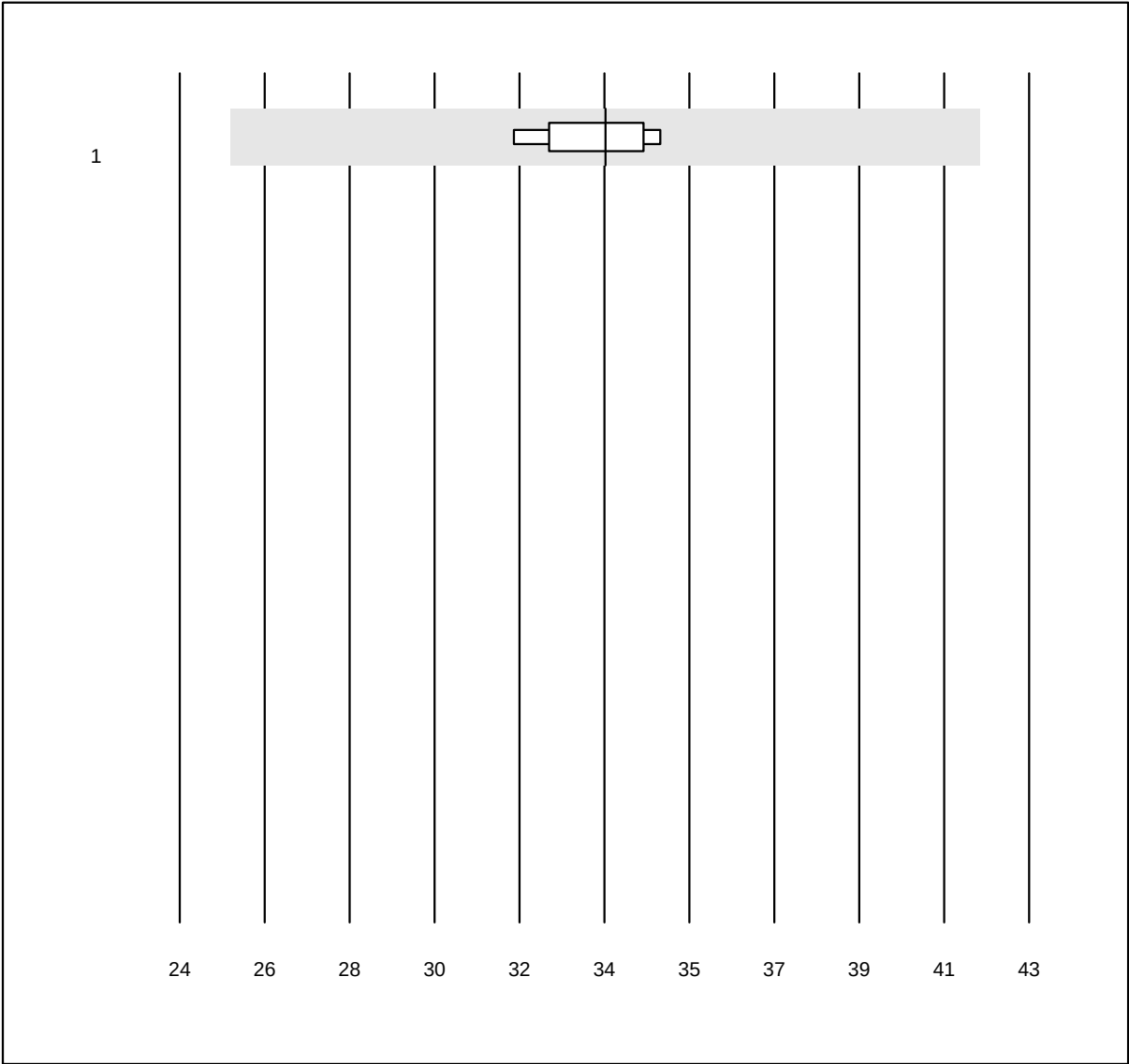
MQ Toleranz: 25%

CTx (CrossLaps) (None)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	5	100.0	0.0	0.0	0.28	13.1	e*

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

P1NP



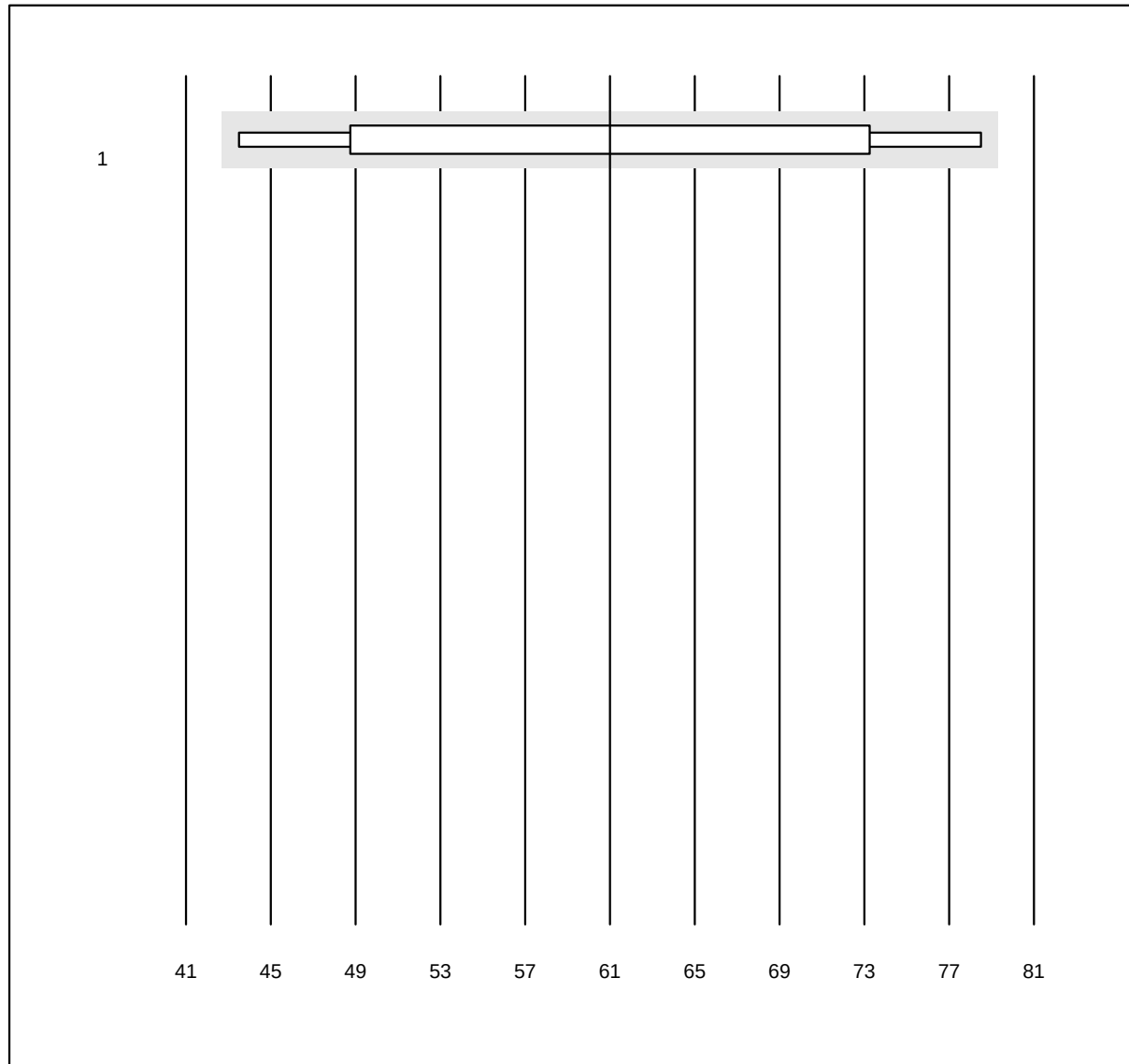
MQ Toleranz: 25%

P1NP (ng/ml)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	4	100.0	0.0	0.0	33.5	3.3	e

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

Occult blood qn

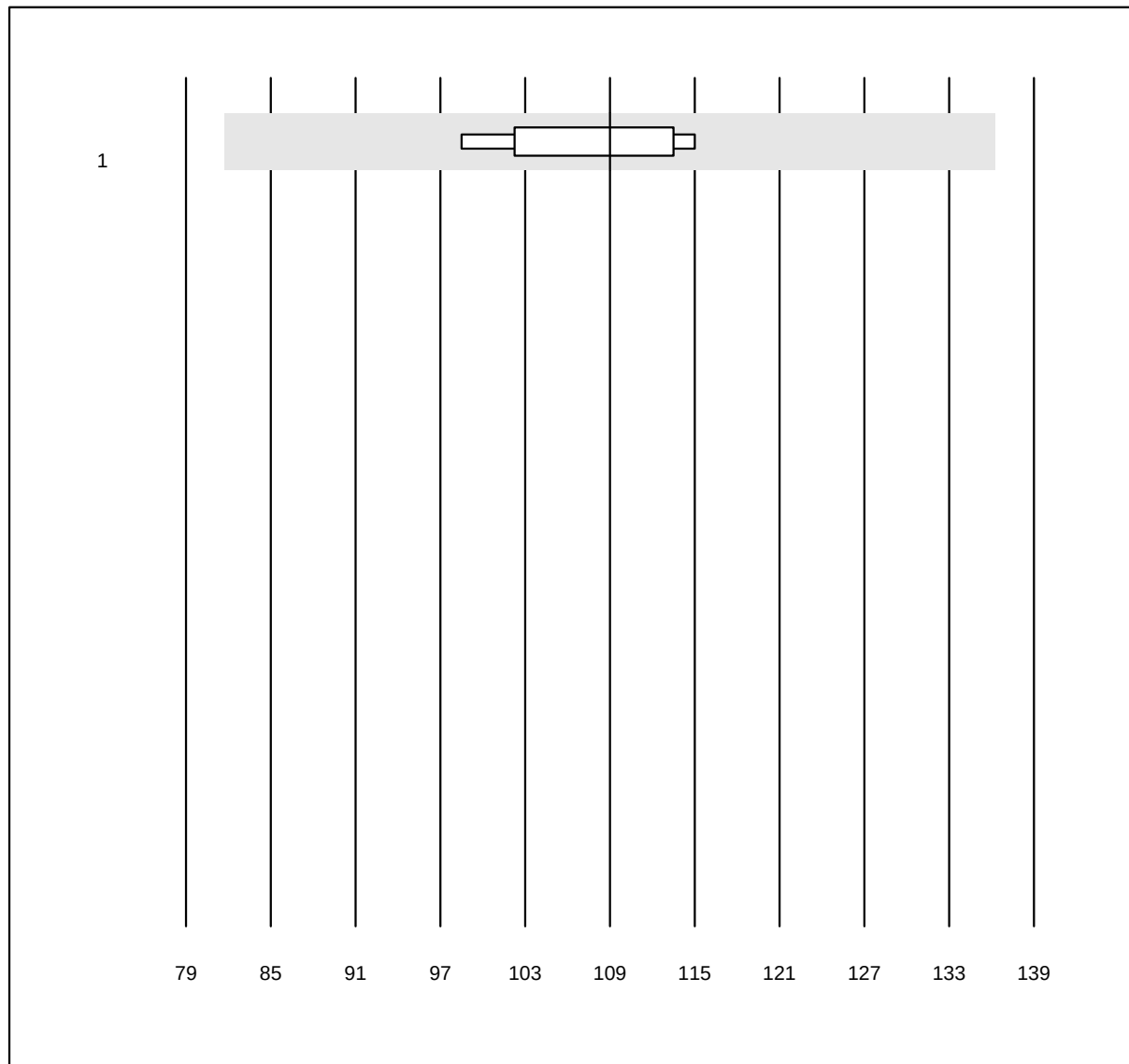


QUALAB Toleranz: 30%

Occult blood qn (ng/ml)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	OC-Sensor	10	60.0	0.0	40.0	61	22.2	a*

Amylase

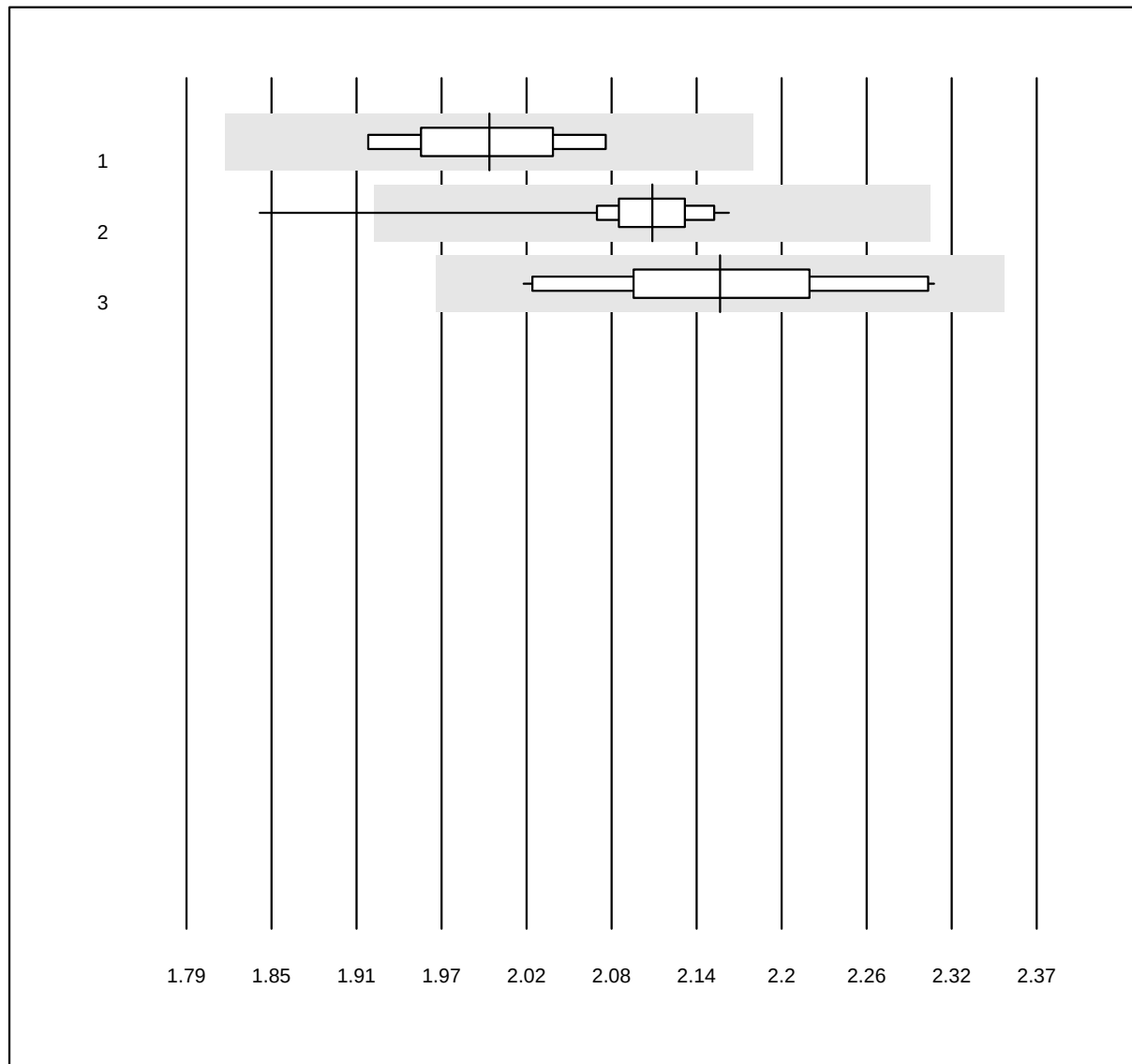


MQ Toleranz: 25%

Amylase (U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 IFCC	4	100.0	0.0	0.0	109	5.5	e

Calcium

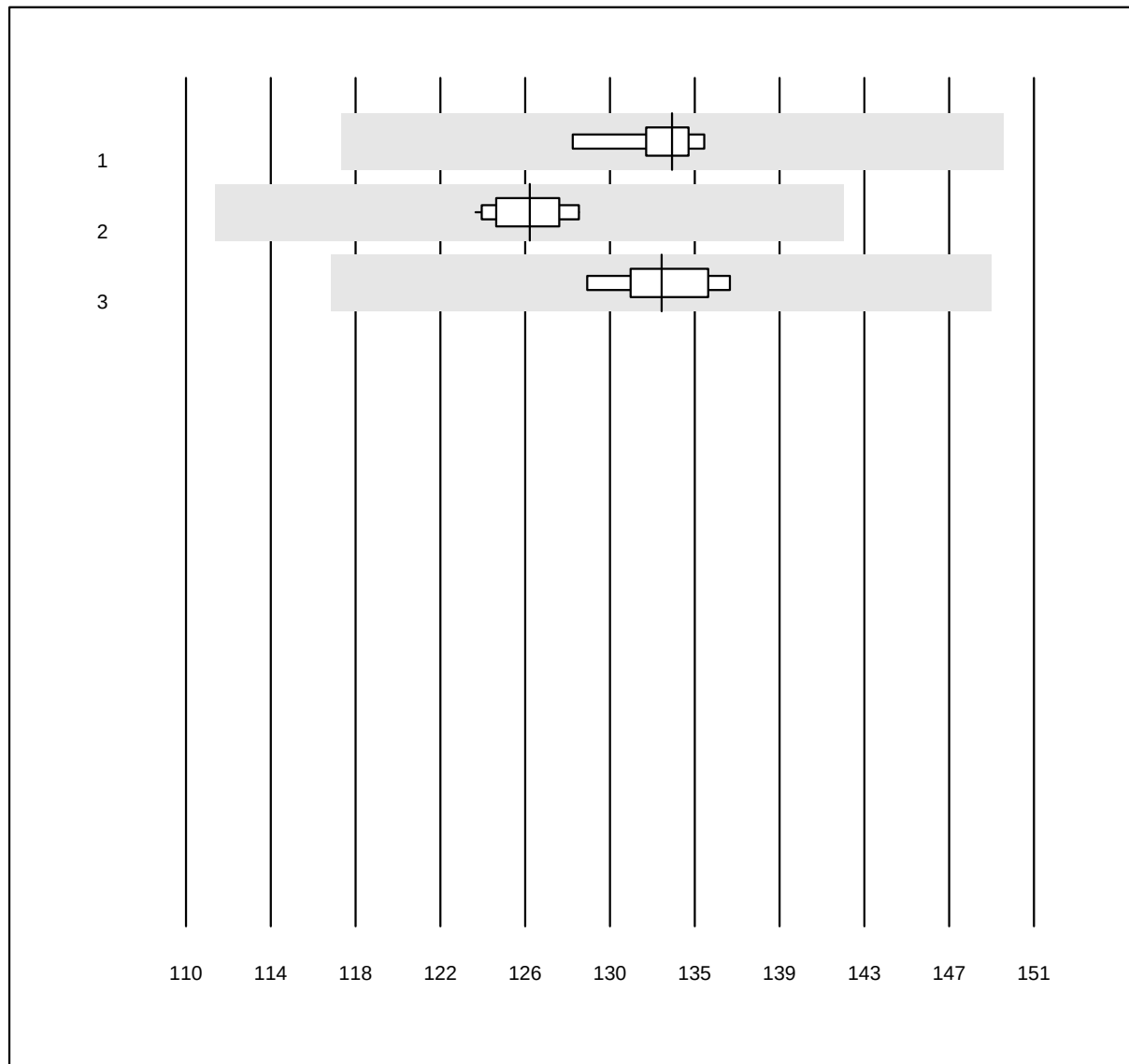


MQ Toleranz: 9%
(< 2.0: +/- 0.18 mmol/l)

Calcium (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	5	100.0	0.0	0.0	2.00	2.5	e*
2 Roche	29	96.6	3.4	0.0	2.11	2.8	e
3 Other methods	10	100.0	0.0	0.0	2.15	4.0	e*

Chloride

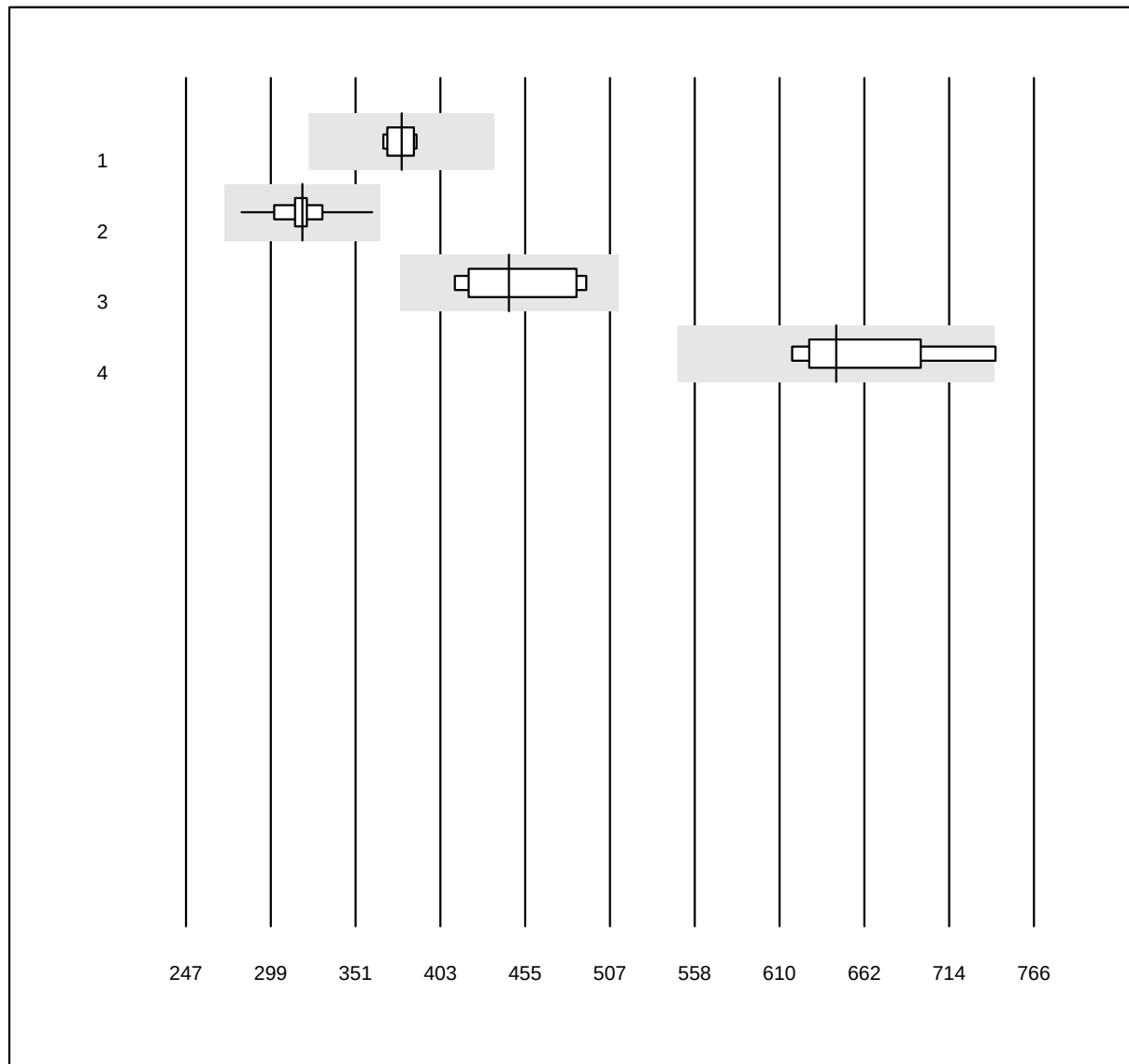


MQ Toleranz: 12%

Chloride (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	134	1.4	e
2 Roche	22	100.0	0.0	0.0	127	1.3	e
3 ISE	6	100.0	0.0	0.0	133	1.6	e

Protein

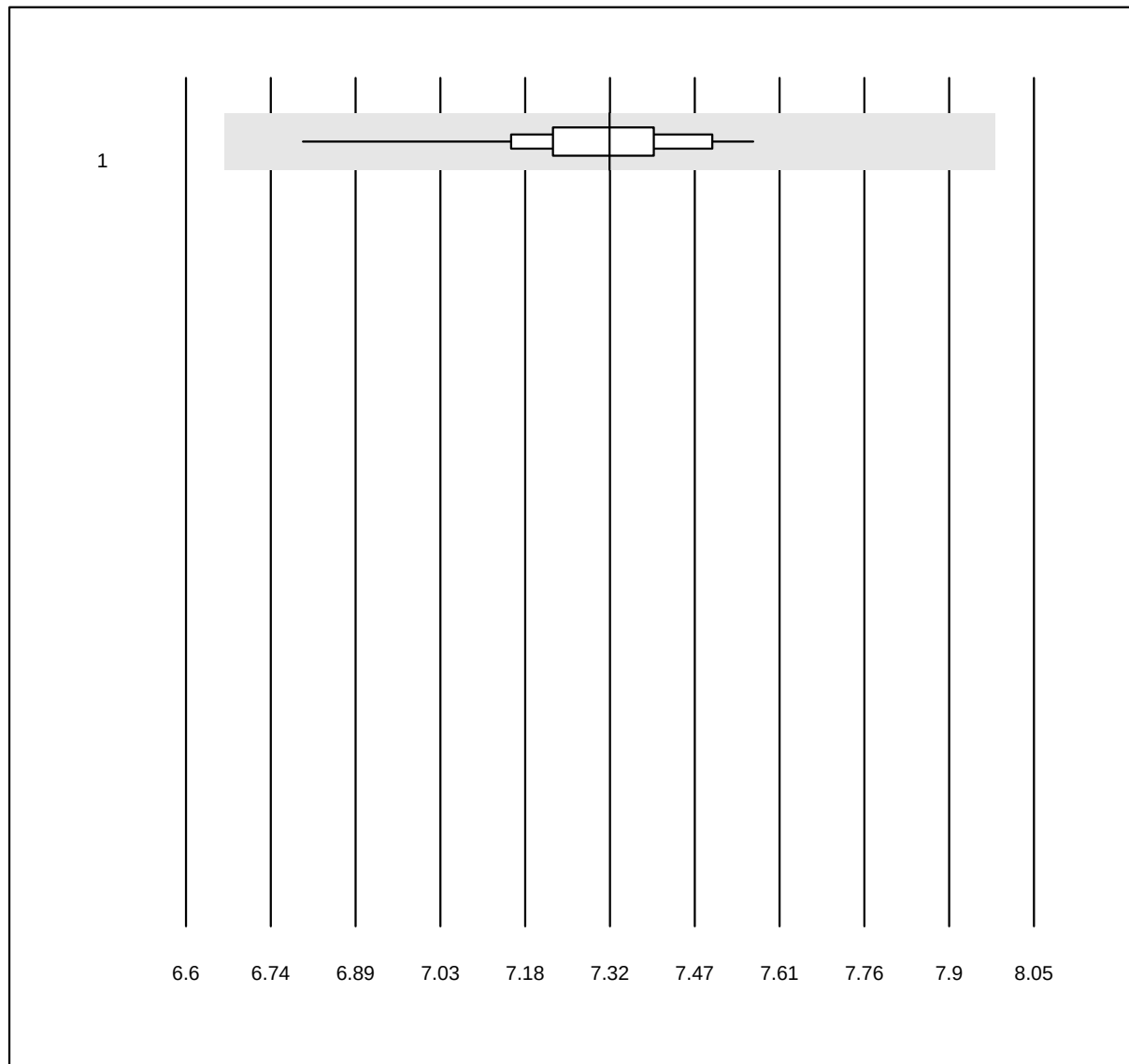


QUALAB Toleranz: 15%

Protein (mg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	379.0	2.2	e
2 Roche	34	100.0	0.0	0.0	318.2	4.2	e
3 Siemens	7	100.0	0.0	0.0	444.7	7.0	e*
4 Other methods	4	100.0	0.0	0.0	645.0	5.8	e*

Glucose



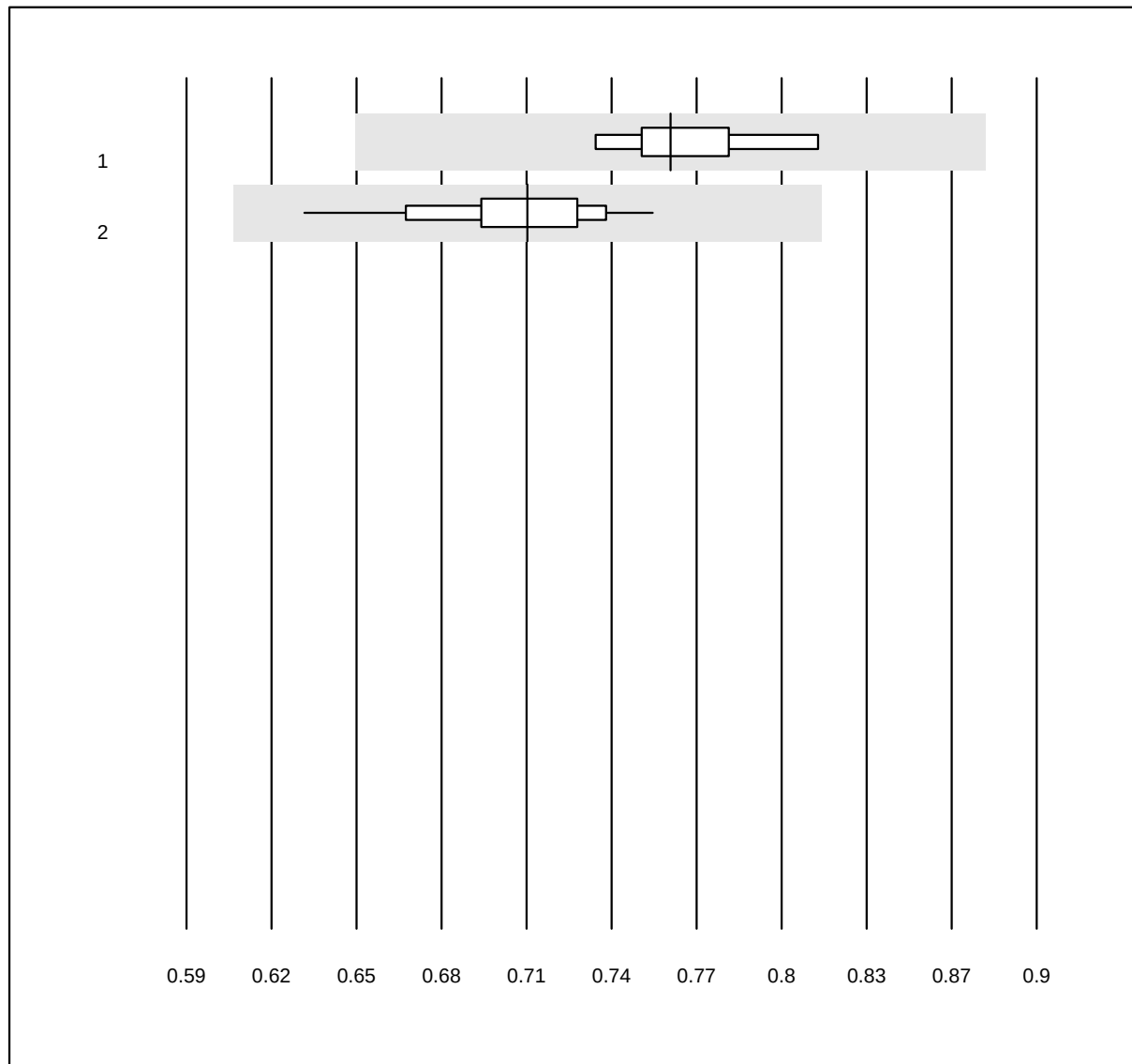
QUALAB Toleranz: 9%

Glucose (mmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Standard chemistry	32	100.0	0.0	0.0	7.3	2.2	e

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

Uric Acid



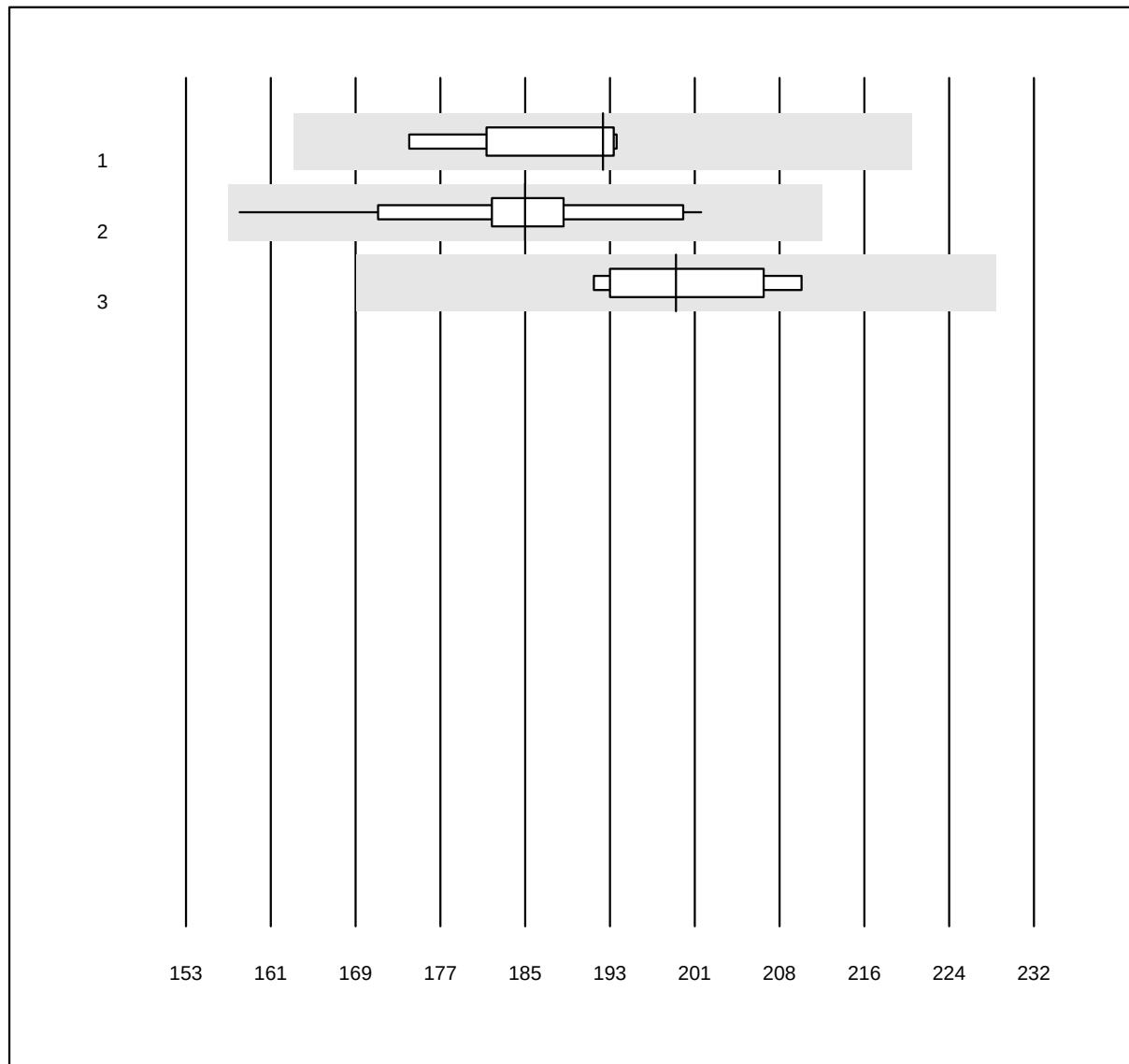
MQ Toleranz: 15%

Uric Acid (mmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Siemens	6	100.0	0.0	0.0	0.77	3.0	e
2	Standard chemistry	29	100.0	0.0	0.0	0.71	3.9	e

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

Urea

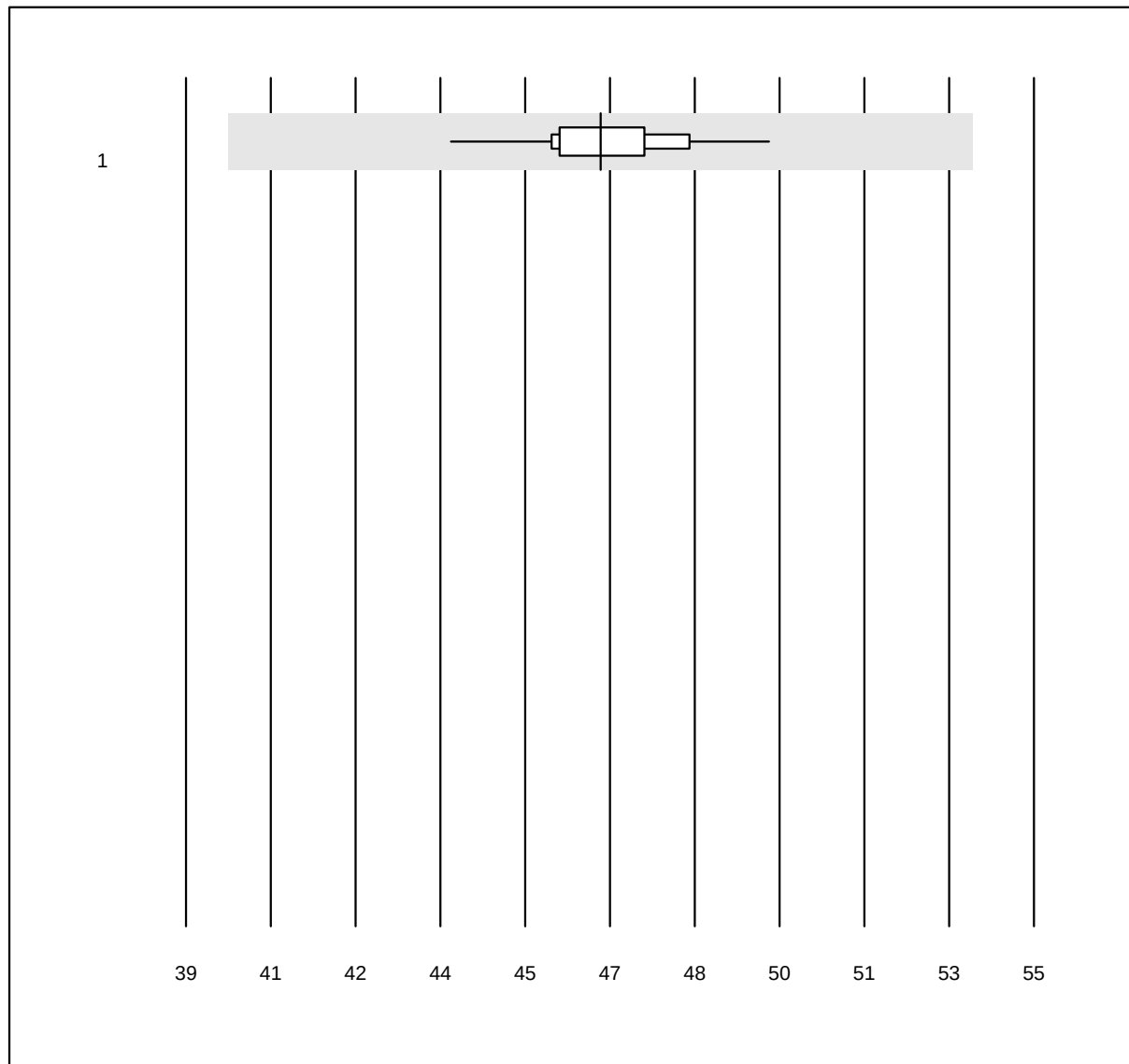


MQ Toleranz: 15%

Urea (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Siemens	6	83.3	0.0	16.7	192	3.6	e
2 Standard chemistry	38	100.0	0.0	0.0	185	4.8	e
3 Vitros	4	100.0	0.0	0.0	199	3.8	e*

Potassium

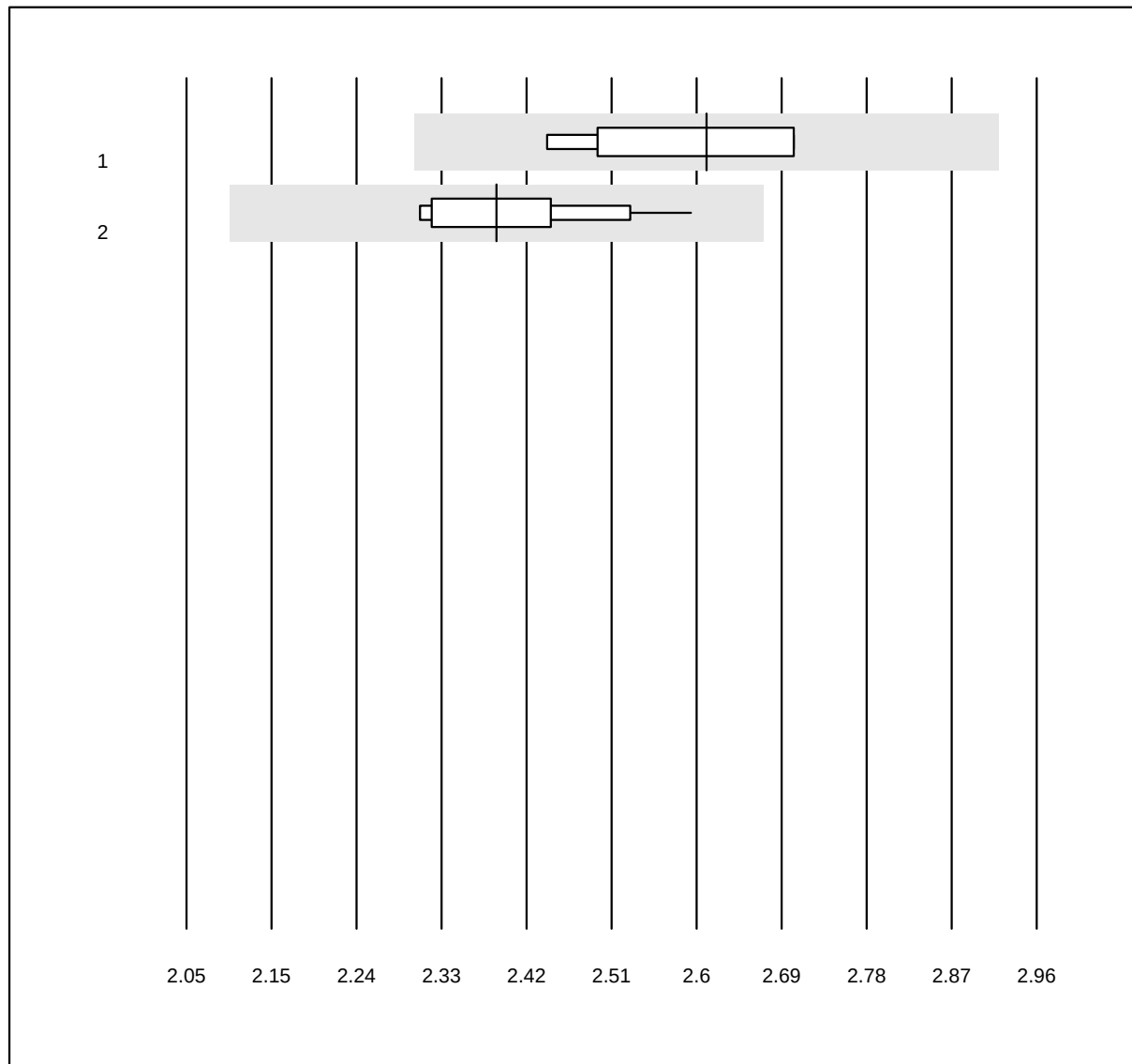


MQ Toleranz: 15%

Potassium (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 all Participants	49	100.0	0.0	0.0	47	2.3	e

Magnesium



MQ Toleranz: 12%

Magnesium (mmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	AAS	5	100.0	0.0	0.0	2.61	4.1	e*
2	Standard chemistry	24	100.0	0.0	0.0	2.38	3.5	e

Sodium

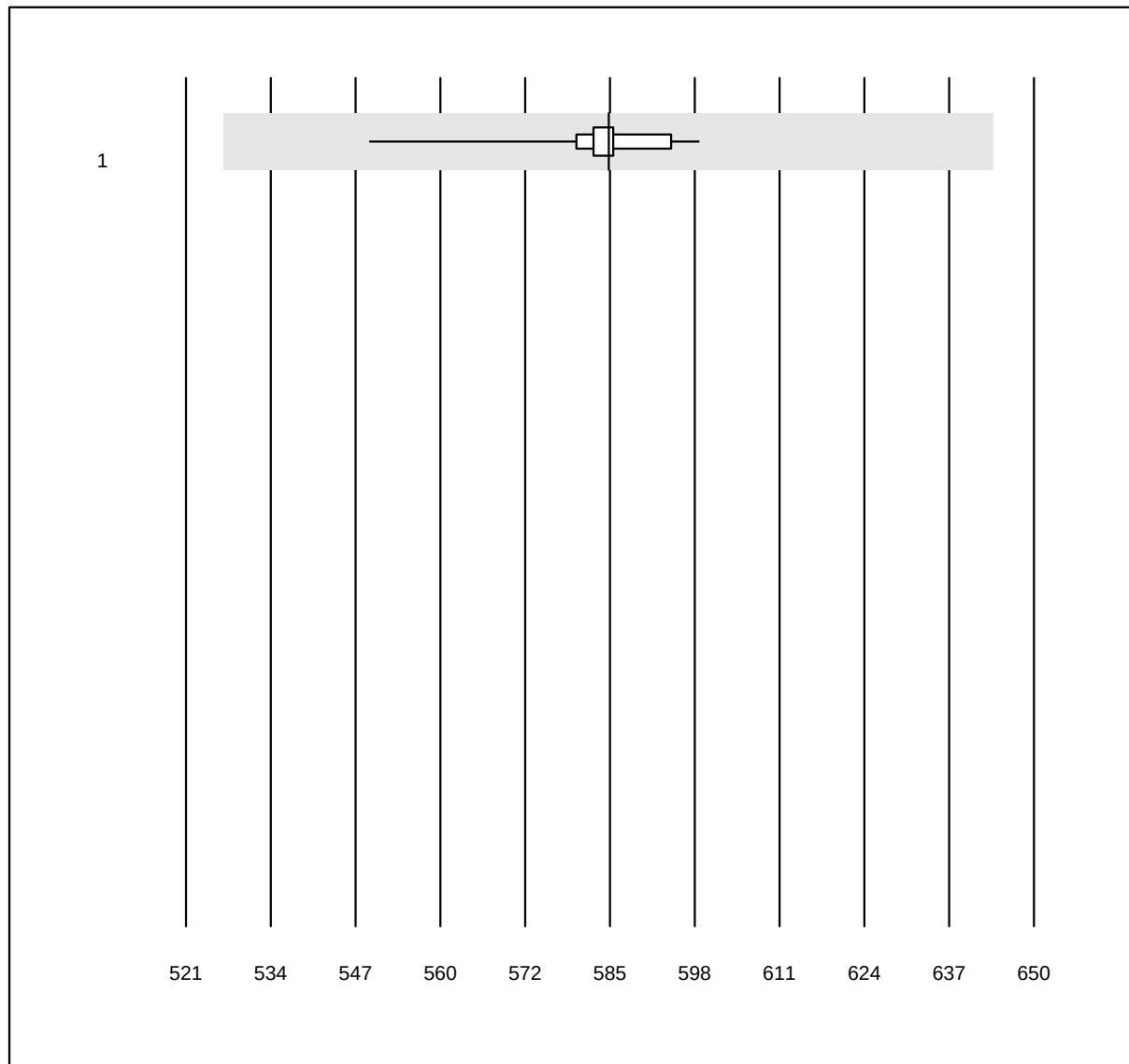


MQ Toleranz: 15%

Sodium (mmol/l)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	all Participants	49	100.0	0.0	0.0	115	3.0	e

Osmolality

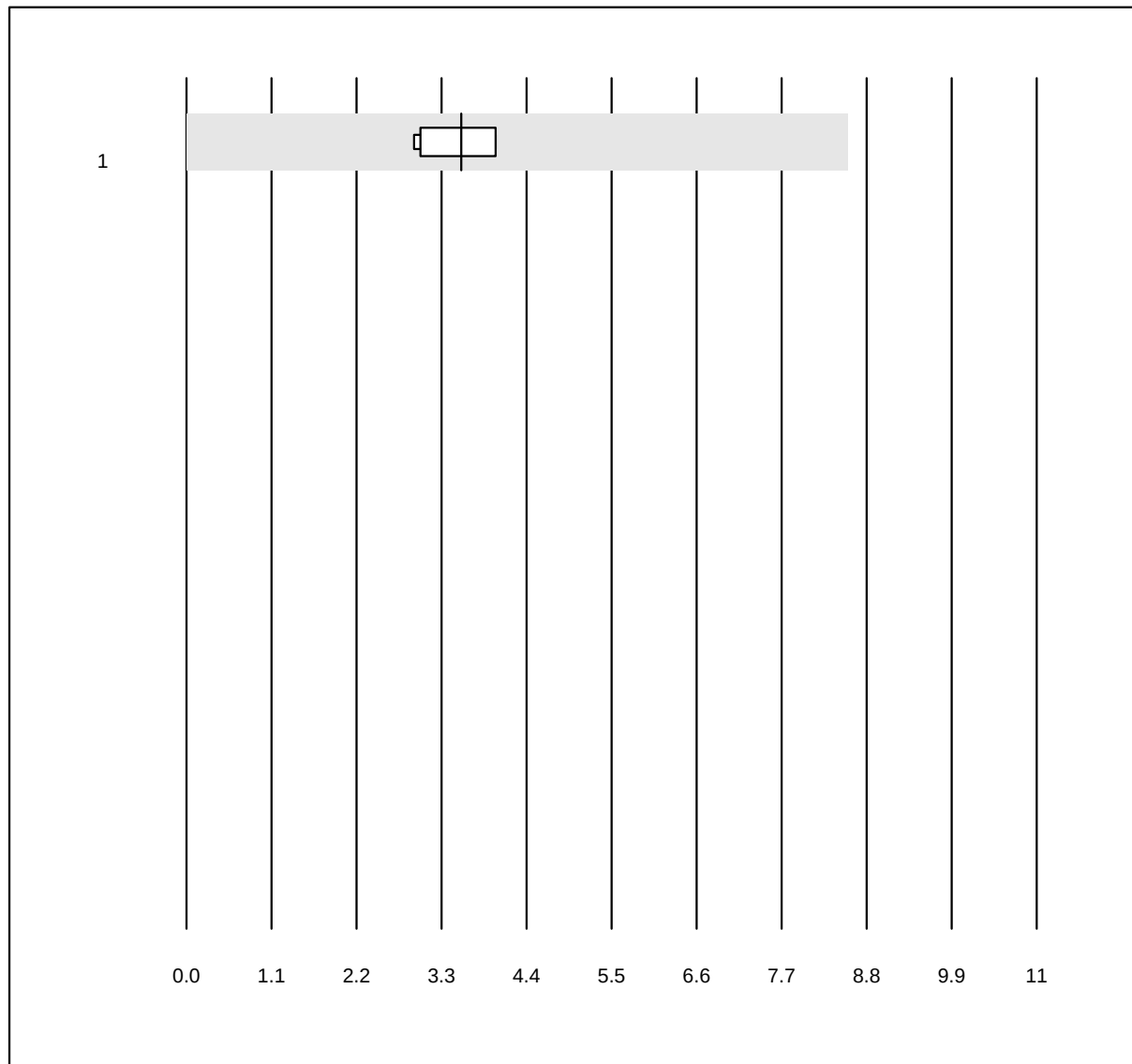


MQ Toleranz: 10%

Osmolality (mosm/kg)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Cryoscopy	24	95.8	0.0	4.2	585	1.5	e

Pancreatic Amylase-Urine

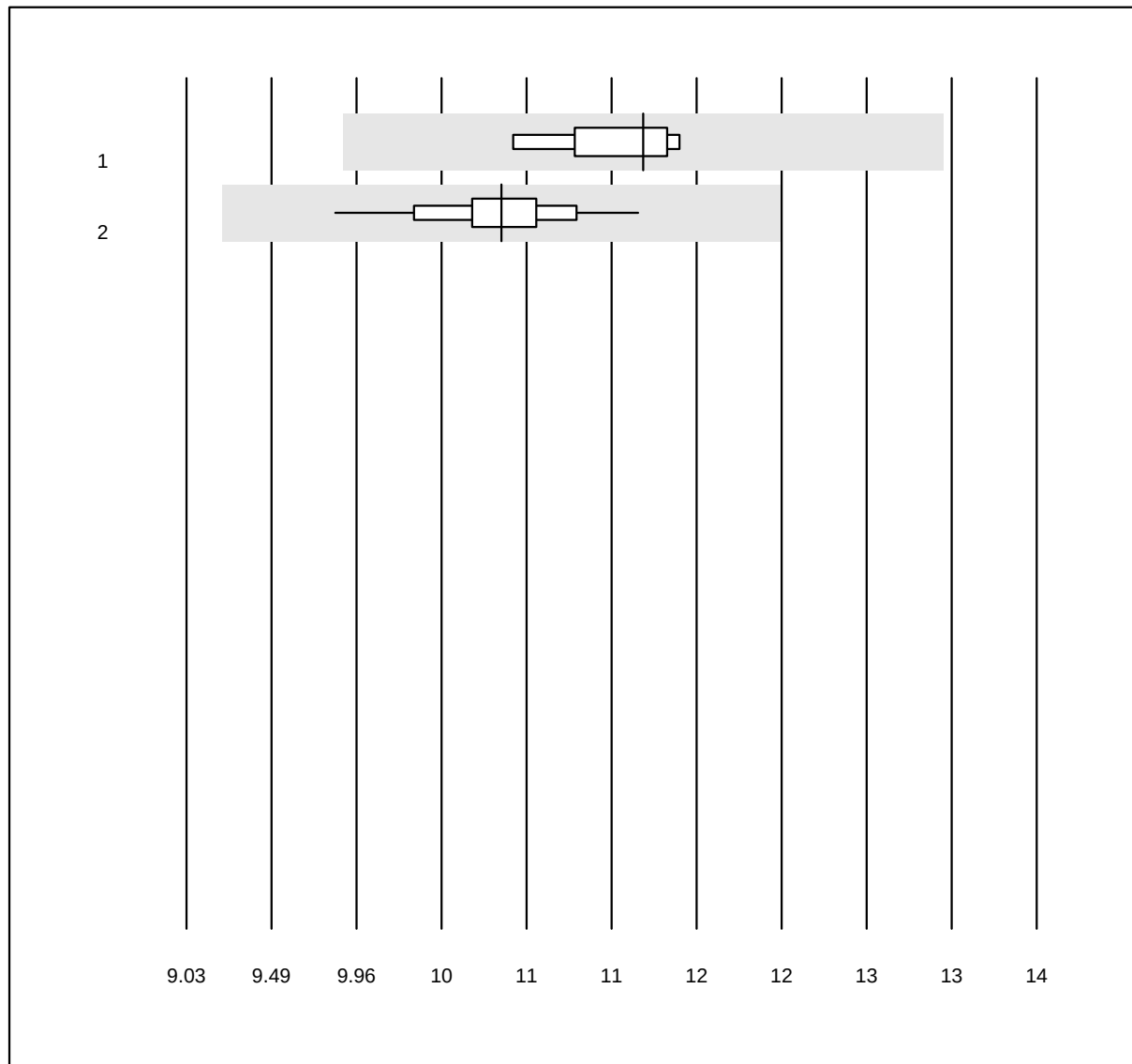


MQ Toleranz: 18%
(< 25.0: +/- 5.0 U/l)

Pancreatic Amylase-Urine
(U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 IFCC	4	100.0	0.0	0.0	3.6	15.5	e

Phosphate



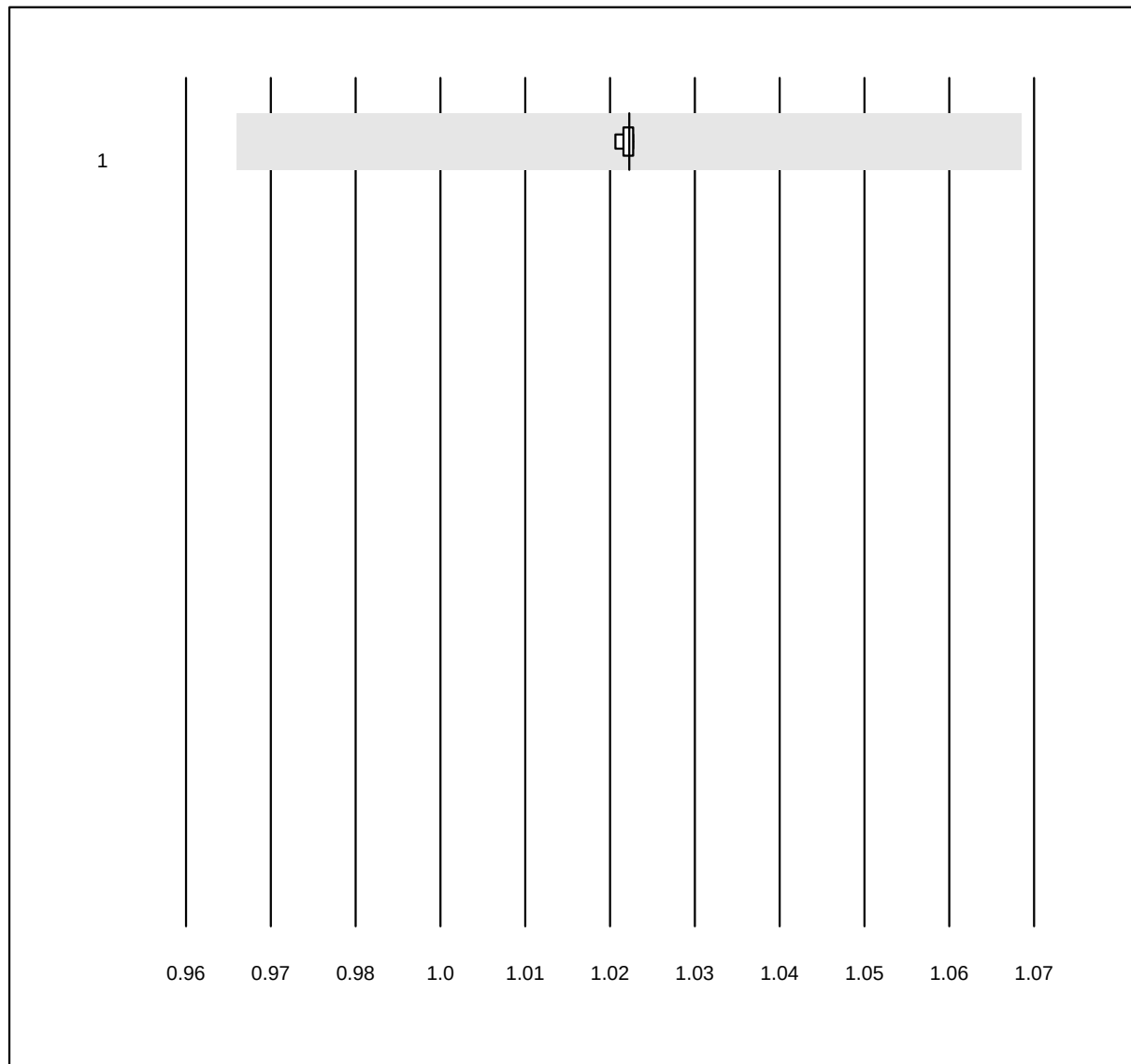
MQ Toleranz: 15%

Phosphate (mmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Siemens	5	100.0	0.0	0.0	11.7	2.8	e
2	Standard chemistry	28	100.0	0.0	0.0	10.9	3.4	e

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

Specific Gravity

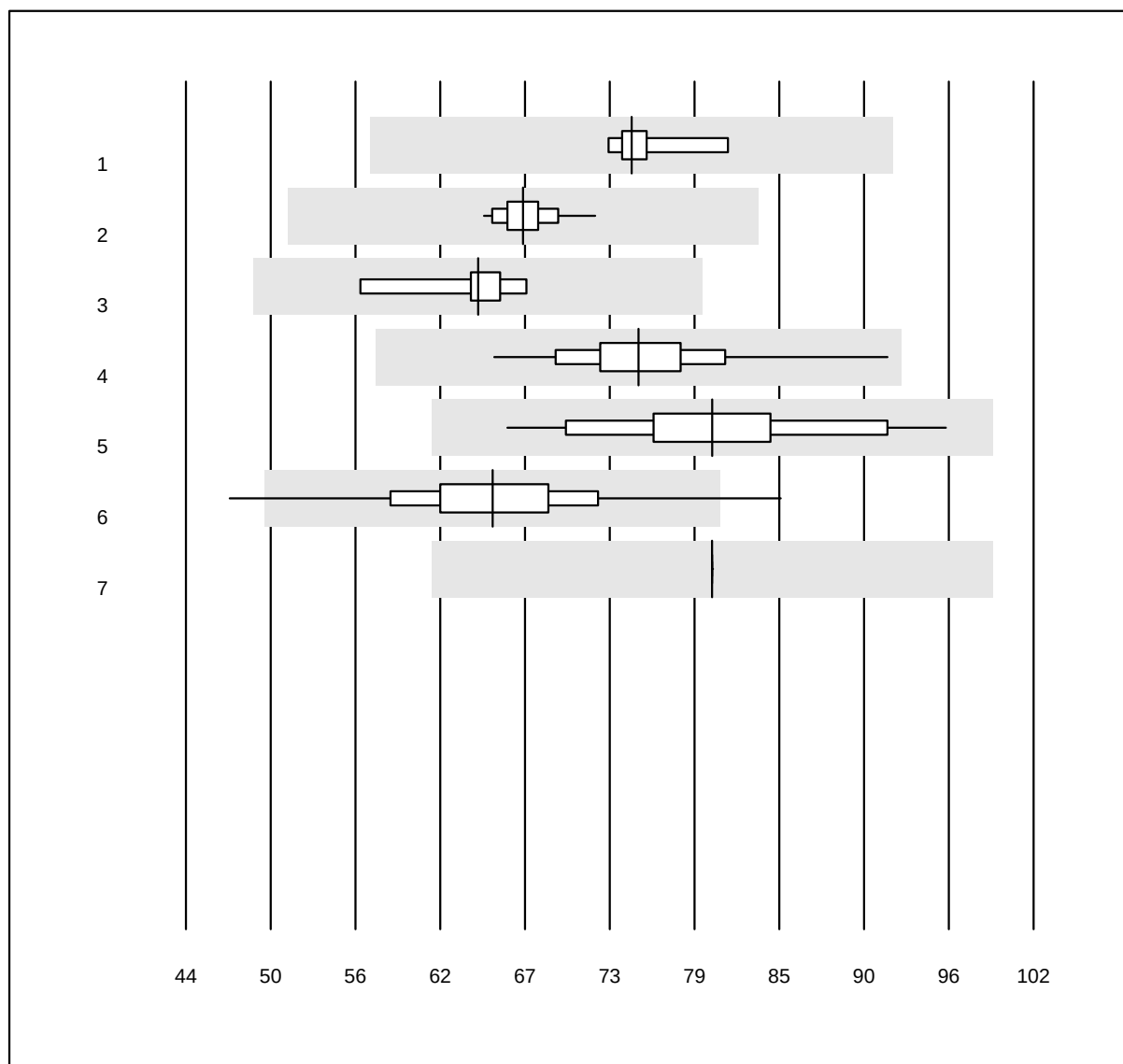


MQ Toleranz: 5%

Specific Gravity (g/ml)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Refractometer	6	100.0	0.0	0.0	1.018	0.1	e

Creatinine U



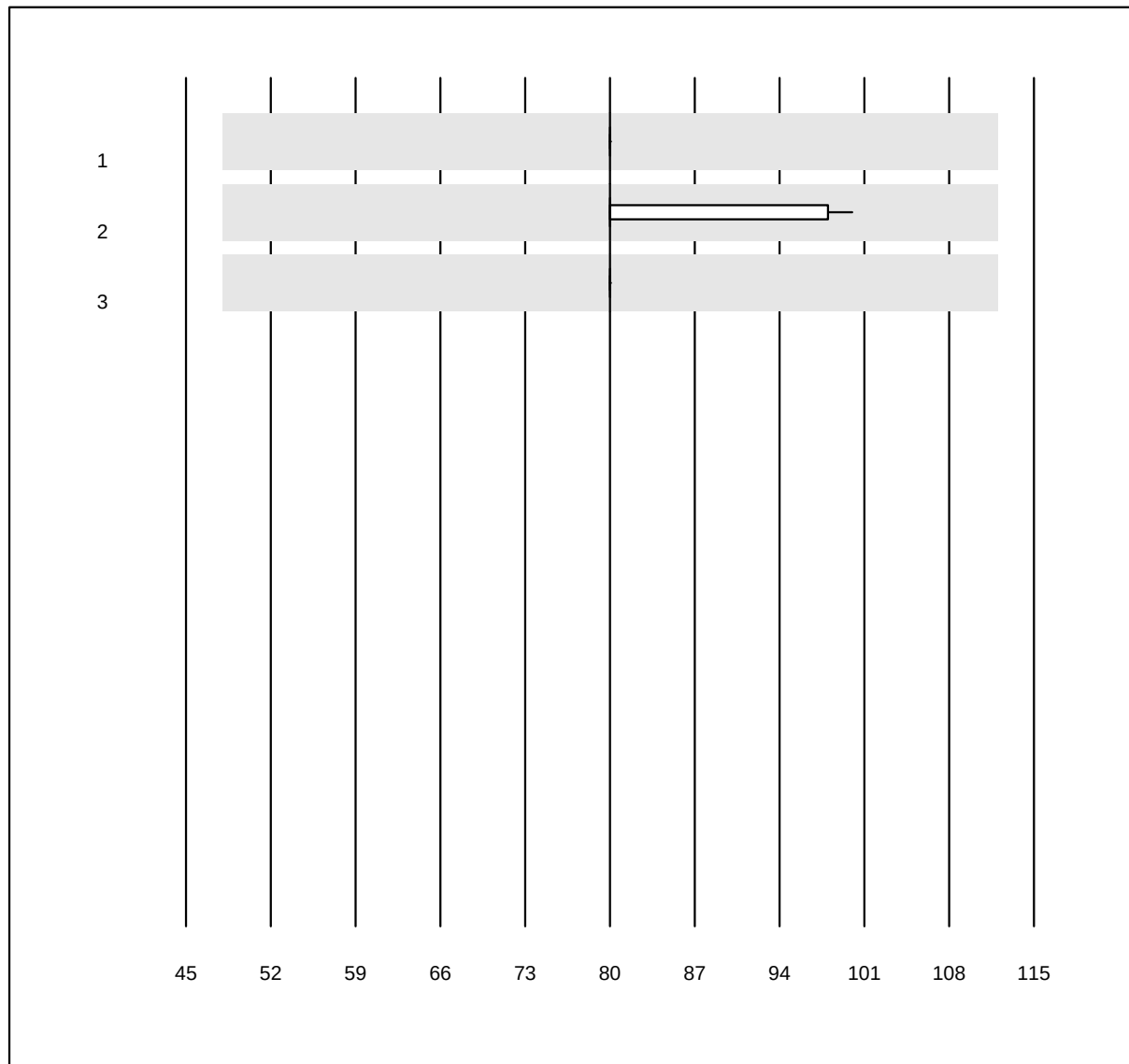
QUALAB Toleranz: 24%

Creatinine U (mg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	74.5	3.1	e
2 Roche	31	100.0	0.0	0.0	67.1	2.6	e
3 Siemens	8	87.5	0.0	12.5	64.0	4.9	a
4 DCA Vantage	171	98.8	0.0	1.2	75.0	5.9	e
5 AFIAS	19	100.0	0.0	0.0	80.0	9.1	e
6 Afinion	581	96.6	1.2	2.2	65.0	9.0	e
7 Other methods	10	80.0	0.0	20.0	80.0	0.0	e

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

Albumin Urine sq

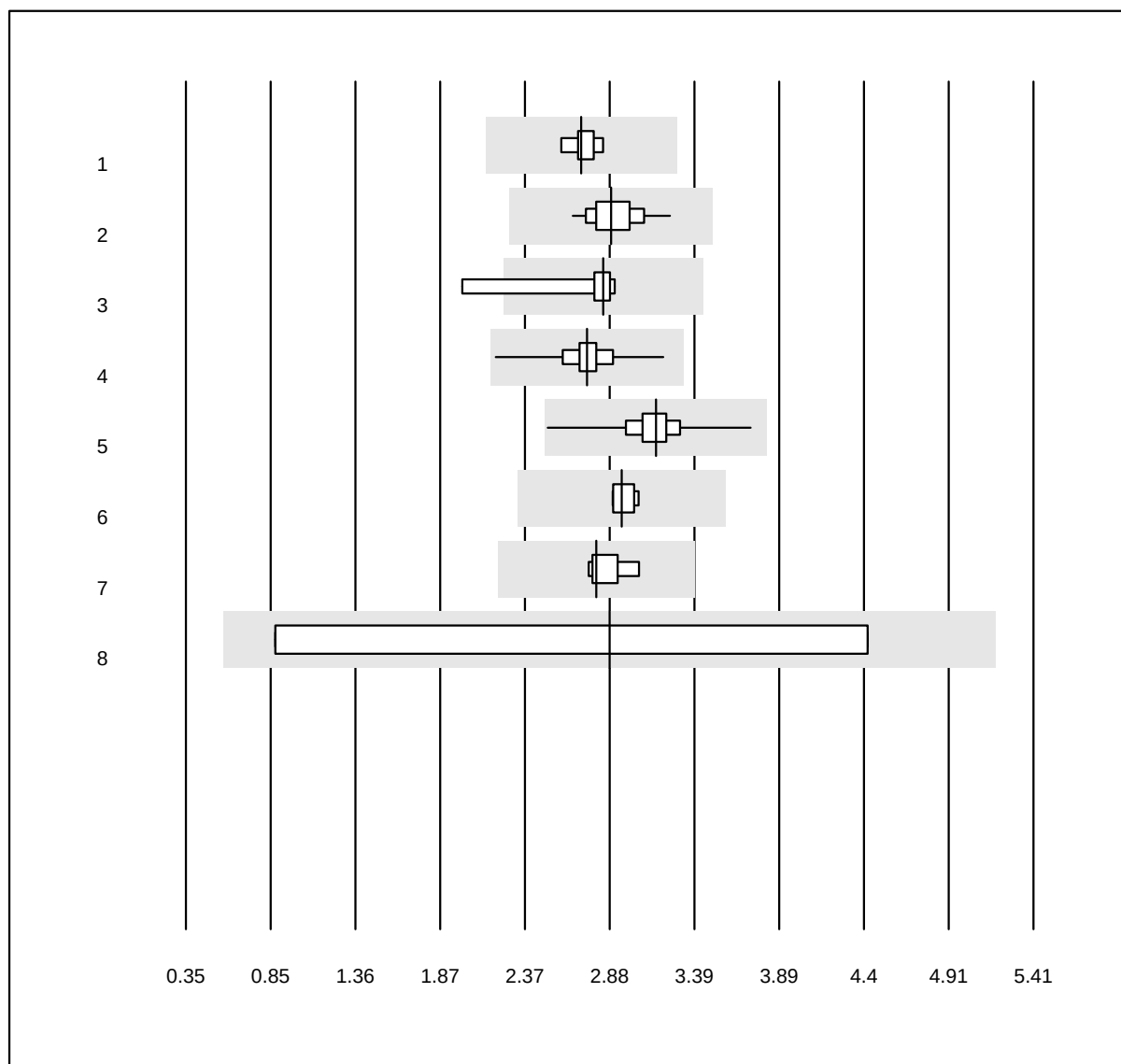


QUALAB Toleranz: 40%

Albumin Urine sq (mg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Siemens Clinitek	21	95.2	0.0	4.8	80.0	0.0	e
2 Aution	22	90.9	0.0	9.1	80.0	7.5	e
3 Sysmex U	20	75.0	0.0	25.0	80.0	0.0	e

Creatinine urine



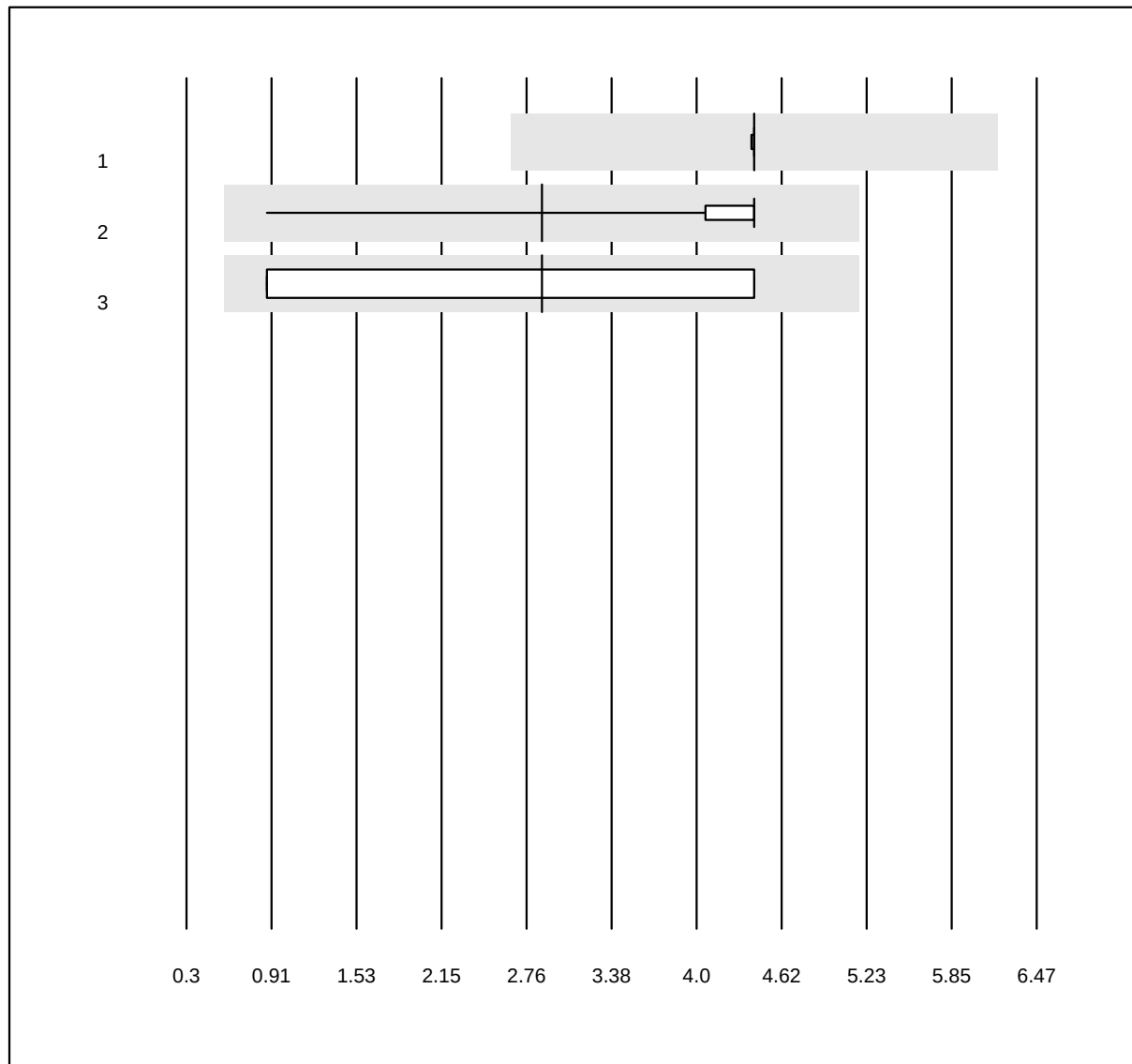
QUALAB Toleranz: 21%

Creatinine urine (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	2.7	2.7	e
2 Roche	38	100.0	0.0	0.0	2.9	4.7	e
3 Siemens	10	80.0	10.0	10.0	2.8	10.3	e*
4 Afinion	574	99.3	0.0	0.7	2.7	4.9	e
5 DCA Vantage	171	95.3	0.0	4.7	3.2	5.2	e
6 Vitros	4	100.0	0.0	0.0	3.0	2.3	e
7 Standard chemistry	4	100.0	0.0	0.0	2.8	3.2	e
8 Other methods	9	100.0	0.0	0.0	2.9	85.7	a*

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

Creatinine urine sq

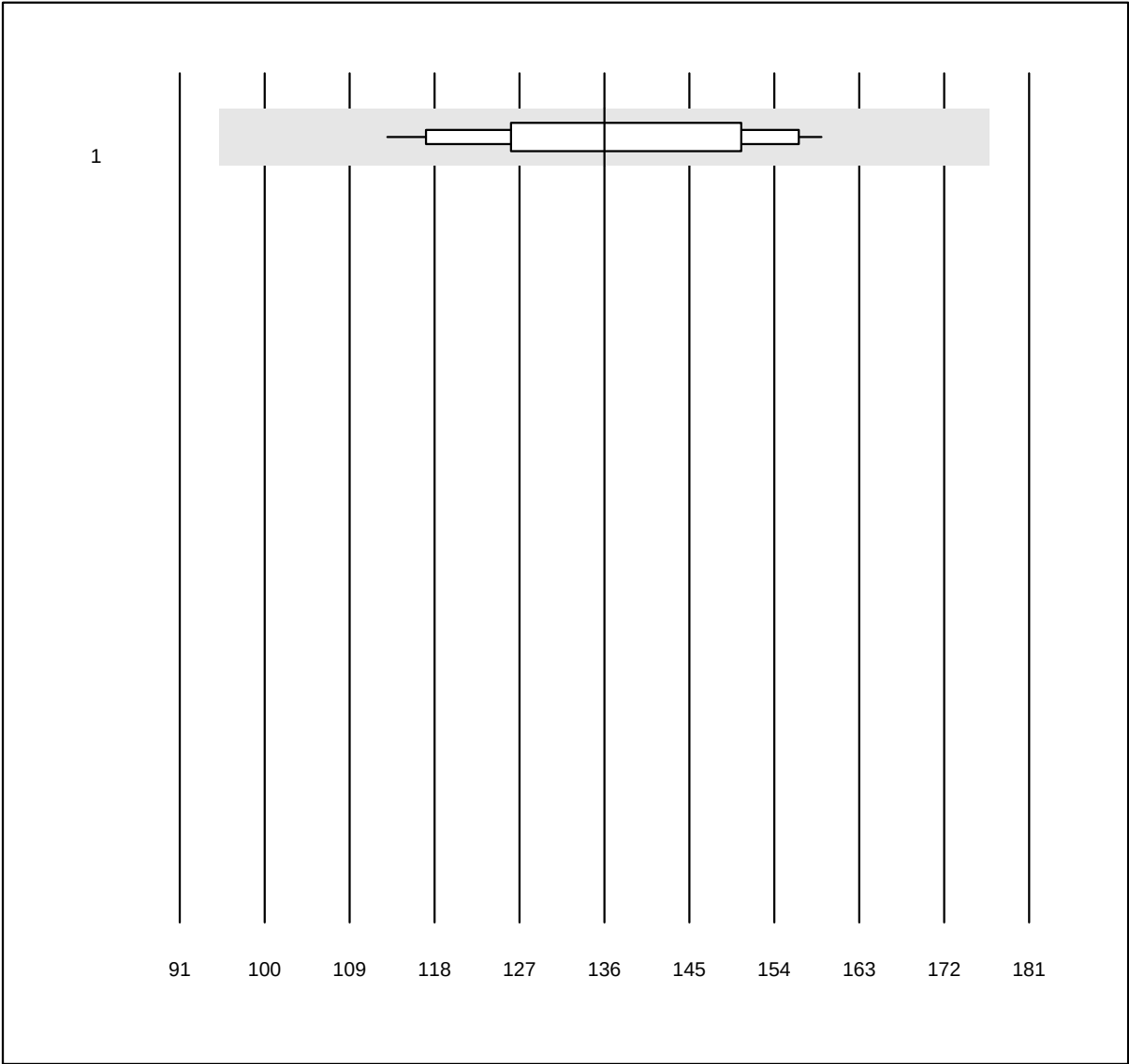


MQ Toleranz: 40%

Creatinine urine sq (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Siemens Clinitek	21	85.7	0.0	14.3	4.4	0.2	e
2 Aution	22	81.8	0.0	18.2	2.9	19.7	a
3 Sysmex U	18	83.3	0.0	16.7	2.9	65.9	a*

Erythrocytes



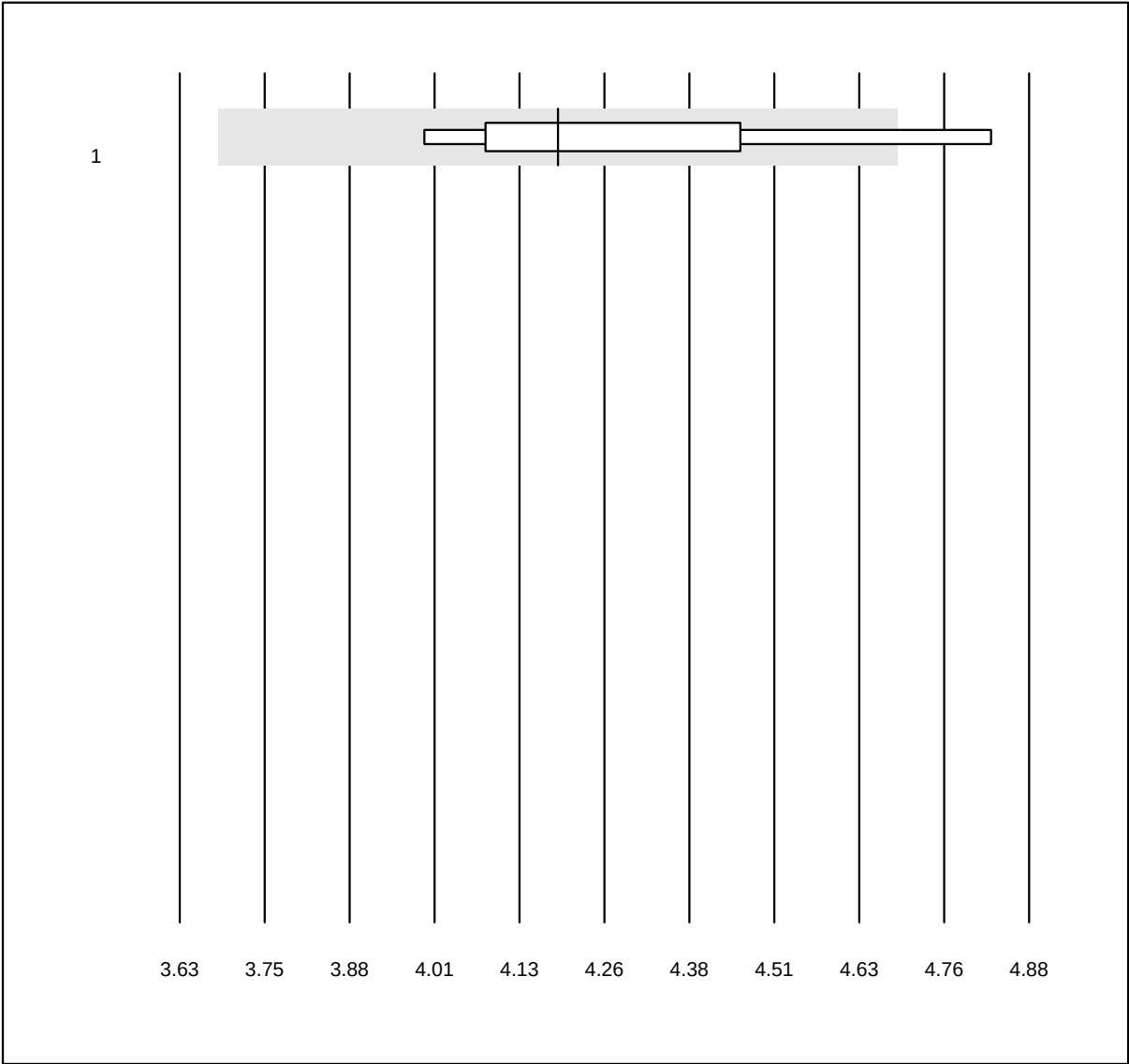
MQ Toleranz: 30%

Erythrocytes (/μl)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Sysmex	20	100.0	0.0	0.0	136	10.2	a

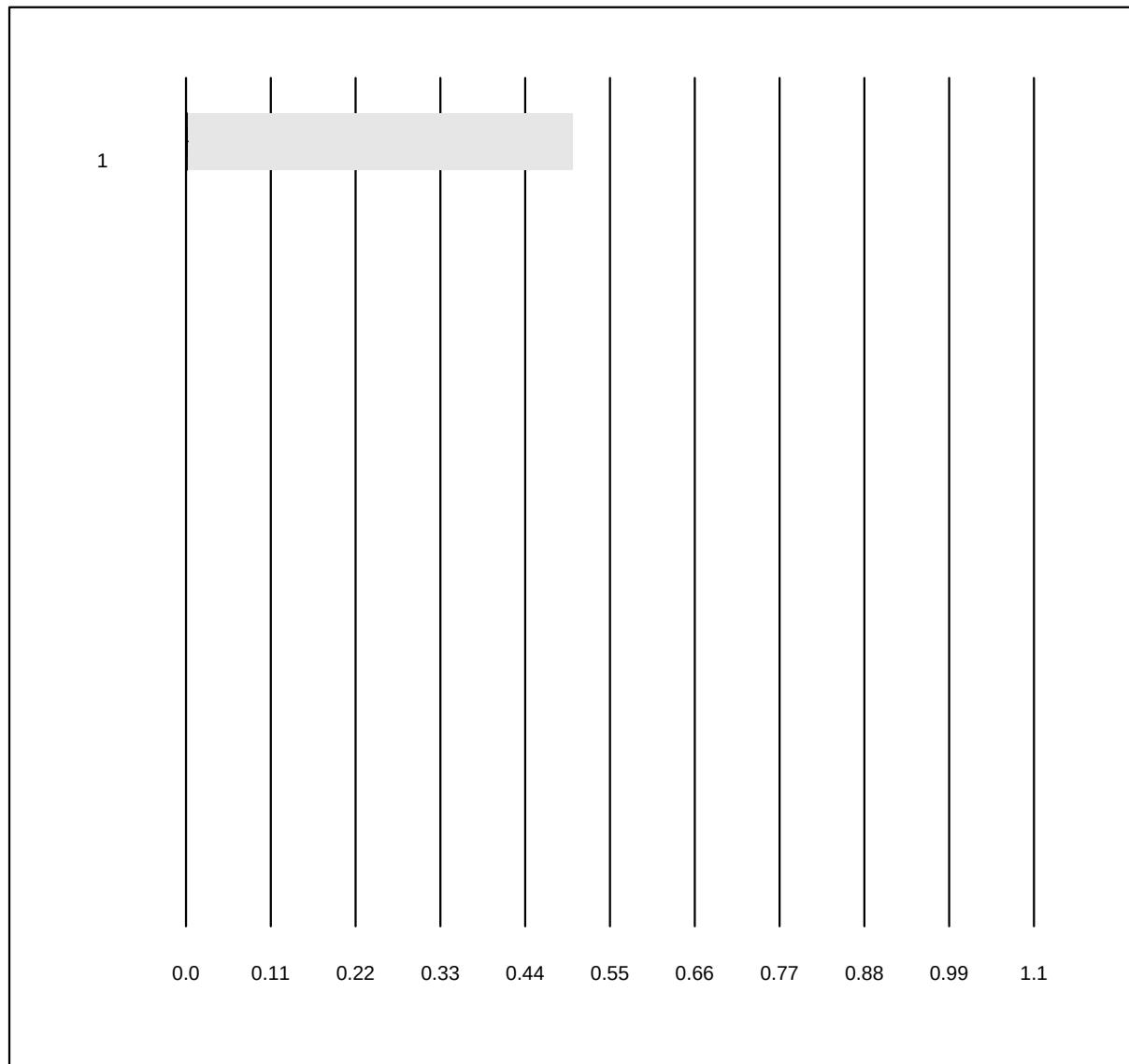
2 additional results were submitted but not published because the method groups were too small. (< results per group)

CMV NAT qn



QUALAB Toleranz: 0% (< 15.0: +/- 0.5 Log10 IU/ml)		CMV NAT qn (Log10 IU/ml)						
No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type	
1 all Participants	5	100.0	0.0	0.0	4.19	5.7	e*	

EBV NAT qn

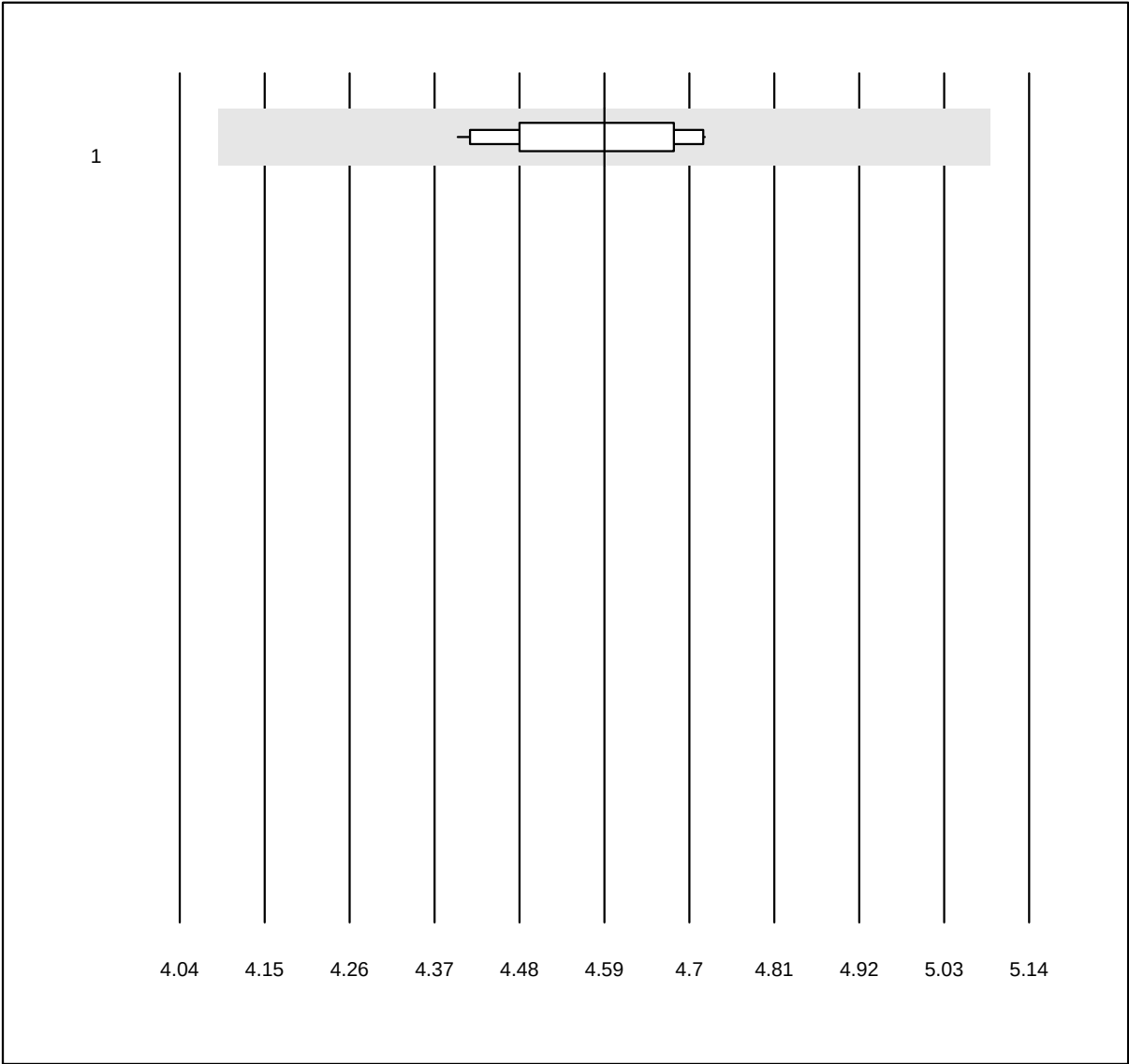


QUALAB Toleranz: 0%
(< 15.0: +/- 0.5 Log10 IU/ml)

EBV NAT qn (Log10 IU/ml)

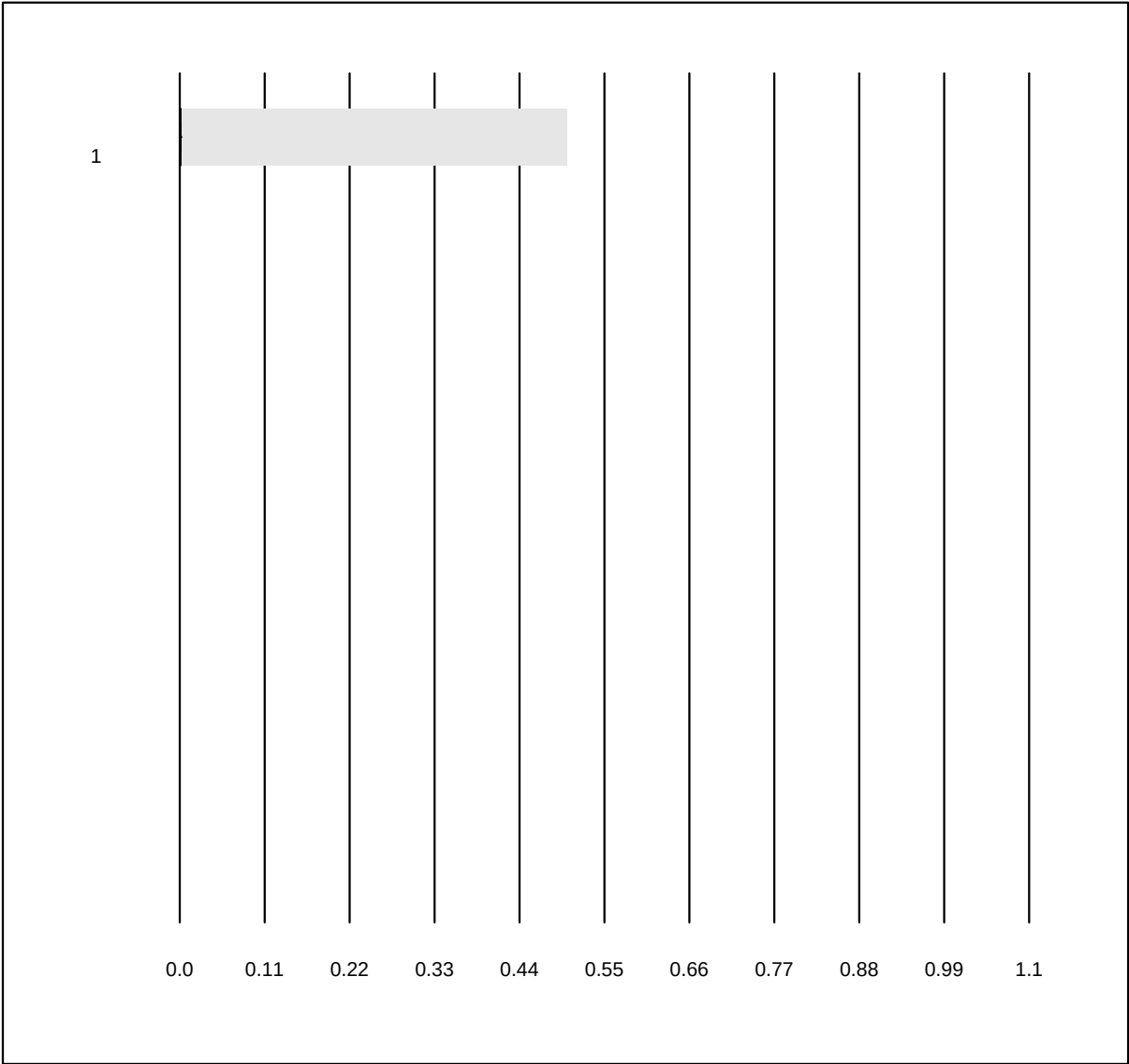
No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	all Participants	5	100.0	0.0	0.0	0.00	0.0	e

HBV NAT qn



QUALAB Toleranz: 0% (< 15.0: +/- 0.5 Log10 IU/ml)		HBV NAT qn (Log10 IU/ml)						
No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type	
1 all Participants	11	100.0	0.0	0.0	4.59	2.3	e	

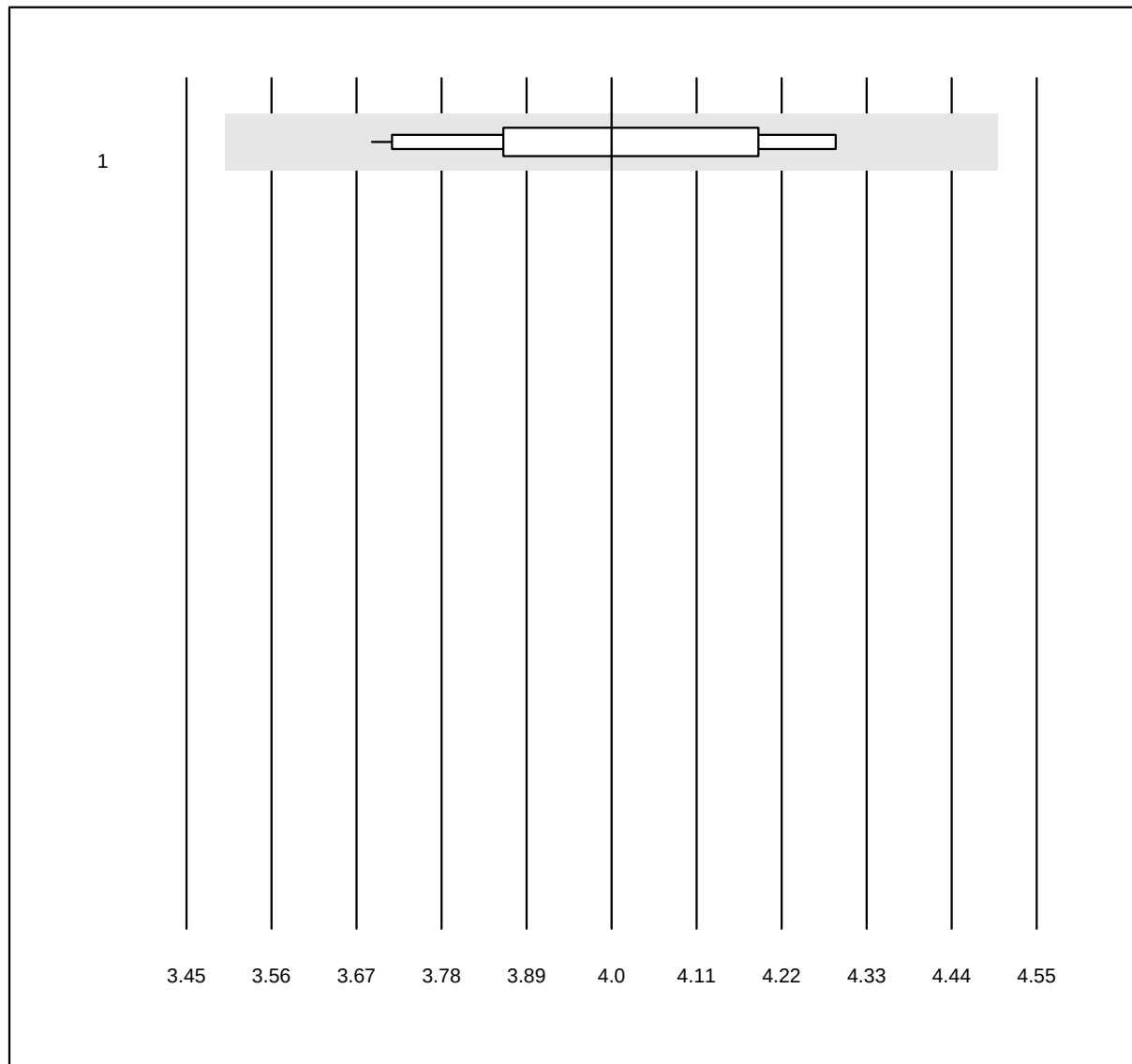
HCV NAT qn



QUALAB Toleranz: 0%
(< 15.0: +/- 0.5 Log10 IU/ml)

No. Method		Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	all Participants	11	100.0	0.0	0.0	0.00	0.0	e

HIV1 NAT qn

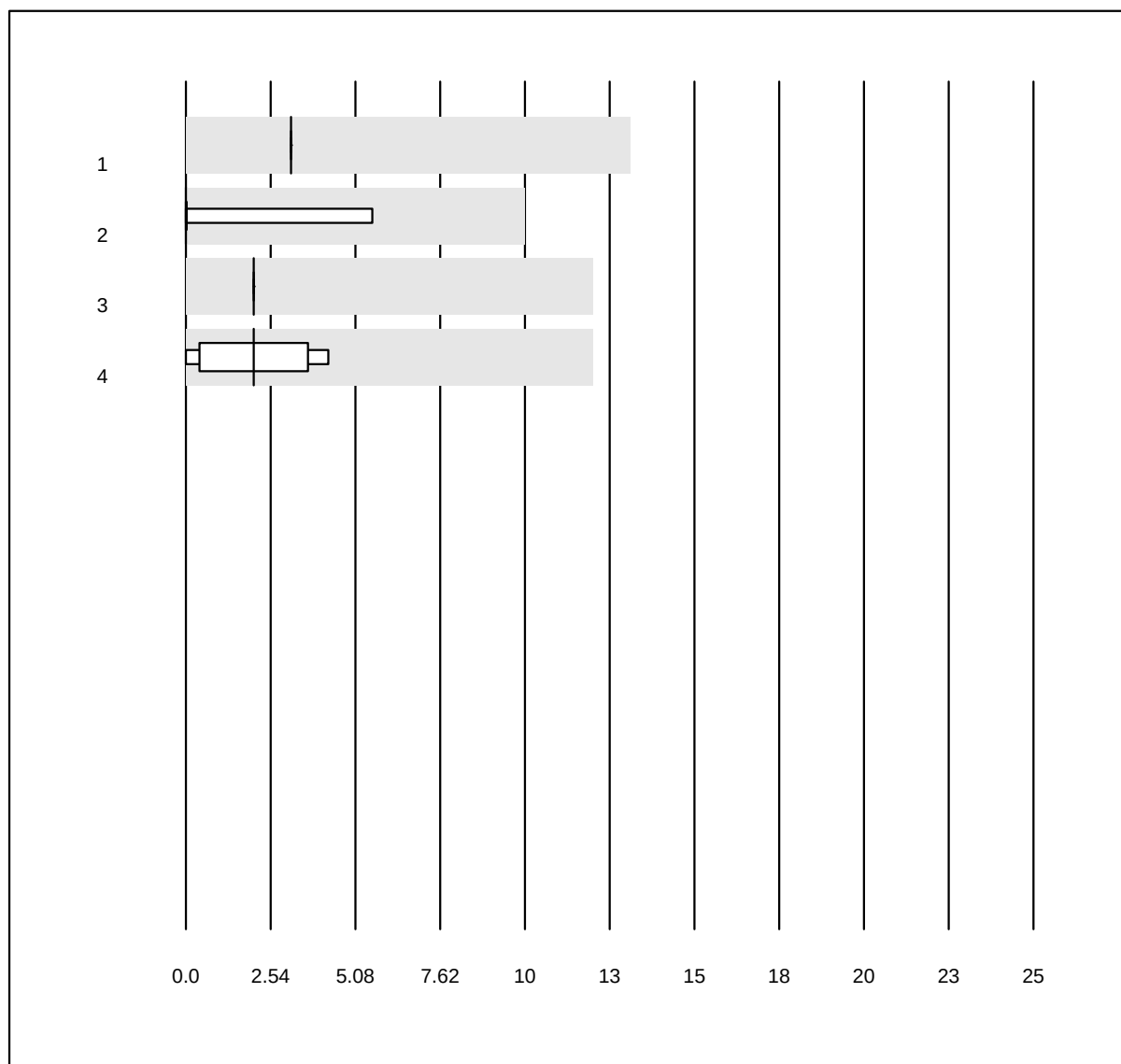


QUALAB Toleranz: 0%
(< 15.0: +/- 0.5 Log10 cp/ml)

HIV1 NAT qn (Log10 cp/ml)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 all Participants	11	100.0	0.0	0.0	4.00	5.1	a*

Anti-HBs Ig total qn sample A



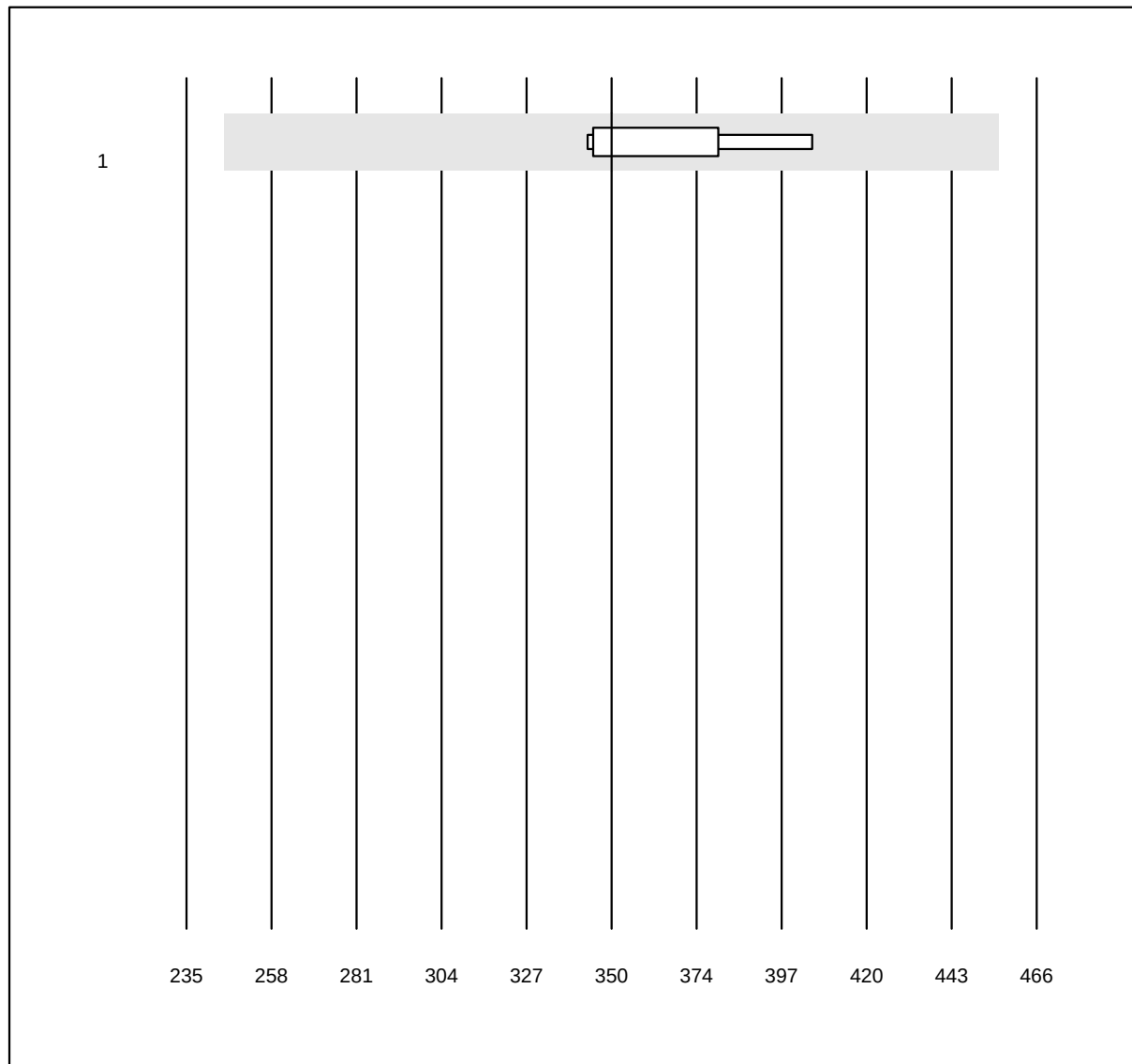
QUALAB Toleranz: 30%
(< 30.0: +/- 10.0 U/l)

Anti-HBs Ig total qn sample
A (U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Siemens	5	100.0	0.0	0.0	3	0.0	e
2 Abbott	8	100.0	0.0	0.0	0	280.9	e
3 Roche	22	100.0	0.0	0.0	2	0.0	e
4 Other methods	4	100.0	0.0	0.0	2	84.1	e

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

HBs Ag qn sample B



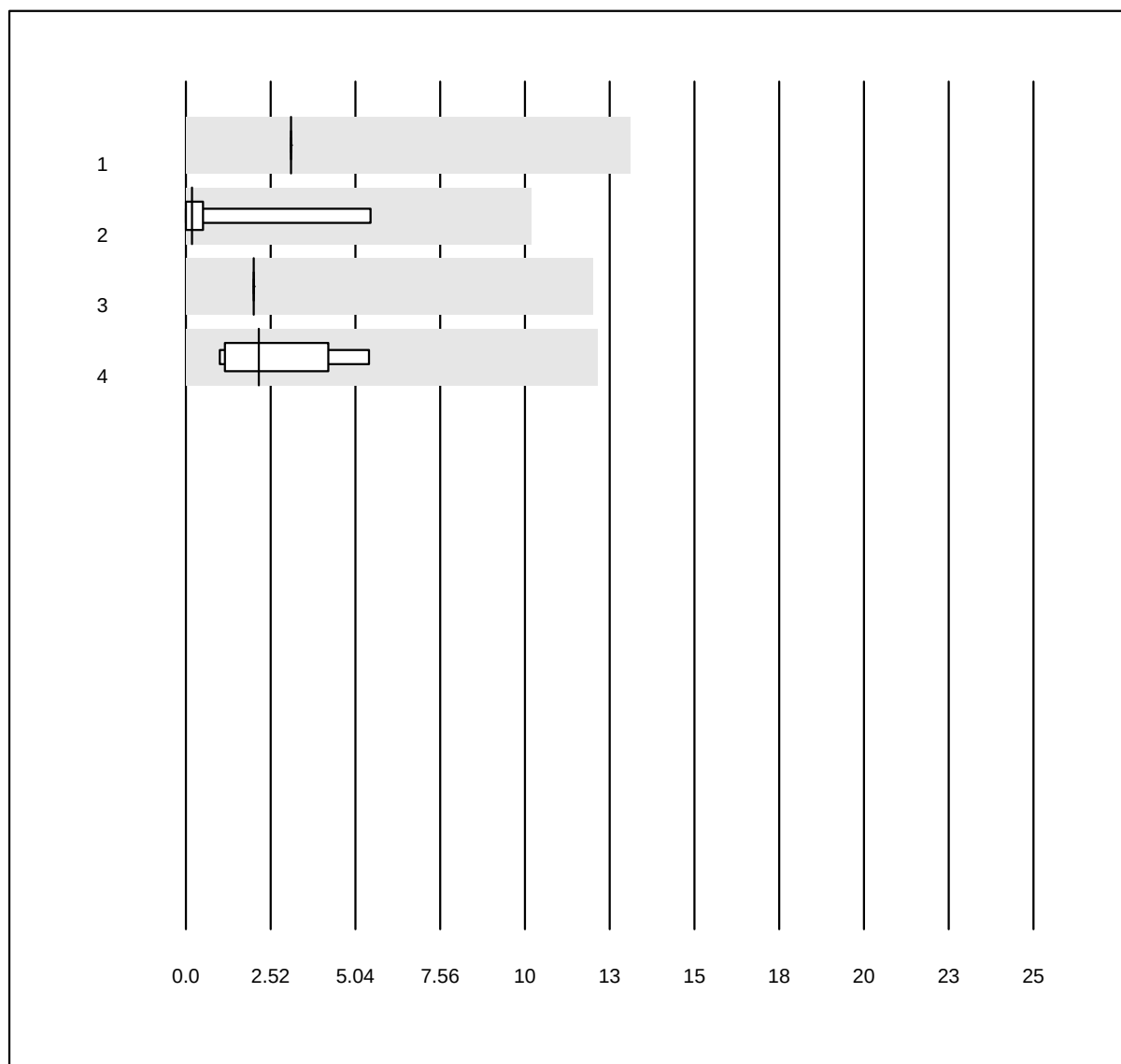
MQ Toleranz: 30%

HBs Ag qn sample B (U/ml)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	4	100.0	0.0	0.0	351	5.6	e

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

Anti-HBs Ig total qn sample B



QUALAB Toleranz: 30%
(< 30.0: +/- 10.0 U/l)

Anti-HBs Ig total qn sample
B (U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Siemens	5	100.0	0.0	0.0	3	0.0	e
2 Abbott	8	100.0	0.0	0.0	0	217.2	e
3 Roche	22	100.0	0.0	0.0	2	0.0	e
4 Other methods	4	100.0	0.0	0.0	2	65.6	e

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

