

Survey: **KS4/26**
month: **May 2026**
Participant-No: **0004965**
valid from: **16.05.26**



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Bonn, 8. June 2026

Certificate

We confirm that you have participated in the survey for clinical chemical analytes in serum. This certificate is according to the current version of the RiliBÄK valid until the end of November 2026.

You have met the requirements of the survey for the following analytes:

cholesterol	(1)	glucose	(3)	urea	(1)
lactate	(2)	triglycerides	(2)	calcium	(3)
CK	(1)				

Prof. Dr. Dr. K. P. Kohse
EQA scheme director

Dr. Anja Kessler
Head of Reference Institute

Dr. Marika Enders
EQAS-Board

The number in parentheses characterizes the analytical method used.

The assignment of the number to the respective method and/or the respective instrument is to be taken from the total evaluation.

This certificate is valid in conjunction with the final report dated 05.06.26.
This is available for download in the RfB-Online system.

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Listing and Evaluation of all your results

Explanations

Certificate

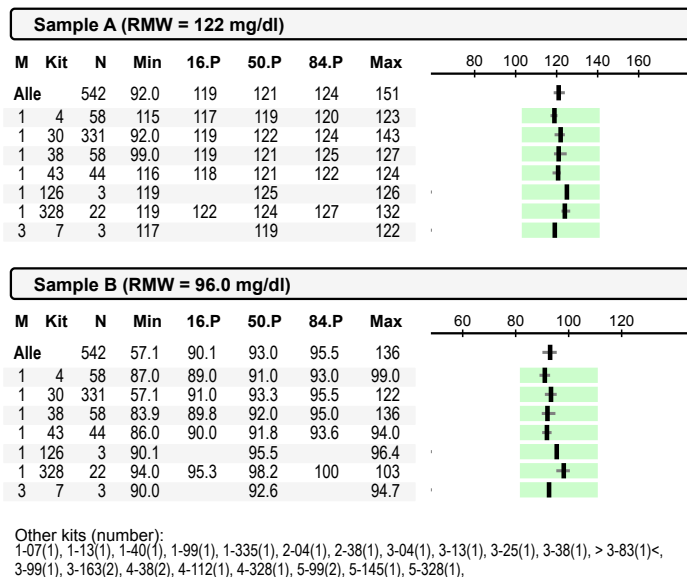
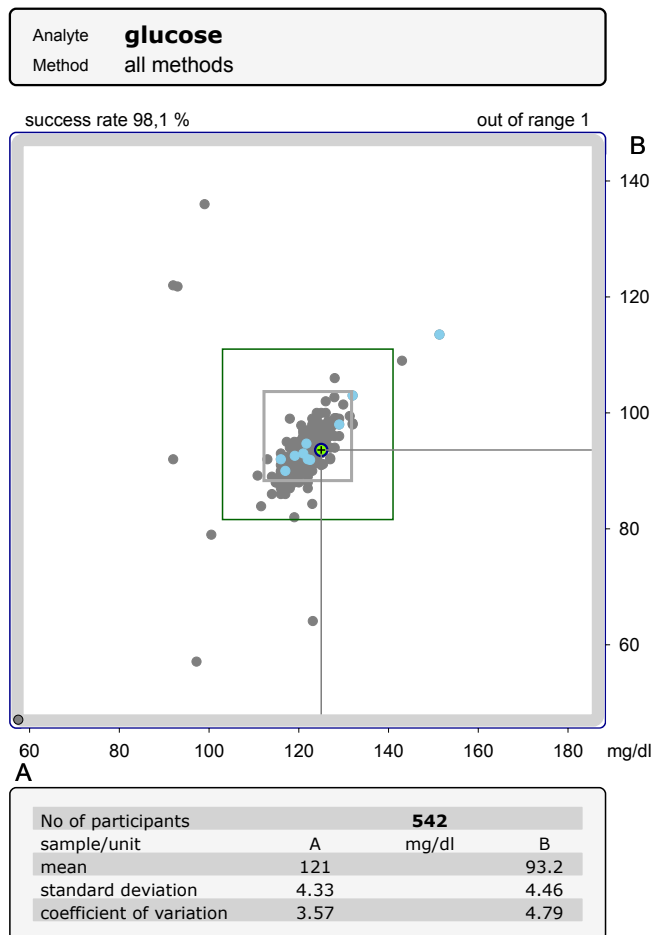
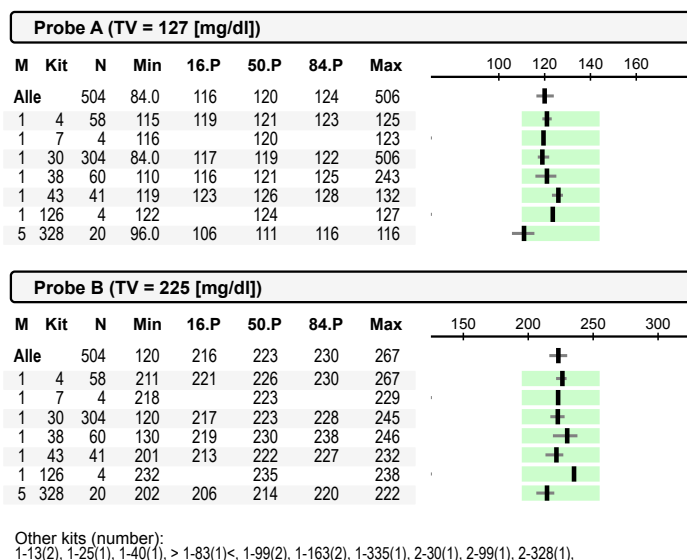
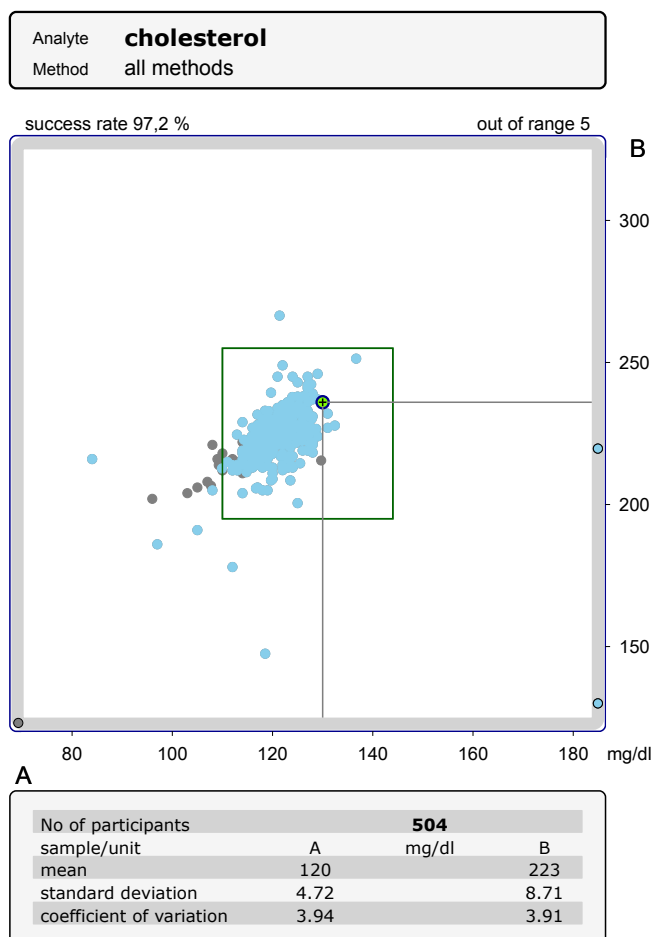
A certificate is issued (given) for an analyte only if the basis for an evaluation of the accuracy is given by the guidelines of the German Medical Association and/or if an evaluation is possible in analogy to these guidelines (see comments on the evaluation) and, if both results for an analyte are within the given acceptance limits. (marked as '+' below C)

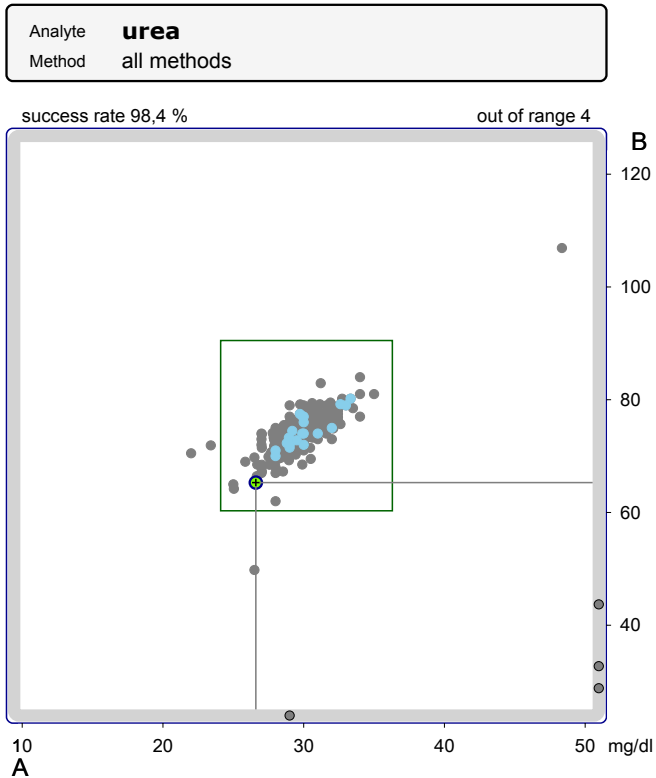
Participation certificate

In the participation certificate all analytes which are included in the list on this page are listed.
 If all analytes are listed on the certificate no participation certificate is printed.

Legend:	C=Certification, M=No of method, R=your result, D=difference (R-T)	Certification: + = fulfilled (quotient D/Dmax <= 1.0) - = not fulfilled (quotient D/Dmax > 1.0 ± = certification cancelled because of technical and/or analytical reasons
	Dmax= maximum allowable amount of difference in measurement, partly given by annex 1 of the guideline of the BÄK.	
	T = target value, either reference method value or assigned value, LL UL = lower resp. upper limit	

	C	M	R	D/Dmax	T	LL	UL								
cholesterol	+	1	A	130	0.17	127	110	144							
[mg/dl]			B	236	0.36	225	195	255							
glucose	+	3	A	125	0.15	122	103	141							
[mg/dl]			B	93.6	-0.17	96.0	81.6	111							
urea	+	1	A	26.6	-0.59	30.2	24.1	36.3							
[mg/dl]			B	65.3	-0.67	75.4	60.3	90.5							
lactate	+	2	A	1.07	0.47	0.980	0.803	1.17							
[mmol/l]			B	1.45	0.73	1.28	1.04	1.51							
triglycerides	+	2	A	92.4	0.17	89.7	75.3	105							
[mg/dl]			B	194	0.62	176	147	205							
calcium	+	3	A	1.88	-0.25	1.93	1.73	2.13							
[mmol/l]			B	2.62	-0.50	2.76	2.48	3.04							
CK	+	1	A	140	0.64	124	99.2	149							
[U/l]			B	154	0.64	136	108	164							





No of participants	529		
sample/unit	A	mg/dl	B
mean	29.7		74.0
standard deviation	1.64		3.23
coefficient of variation	5.52		4.36

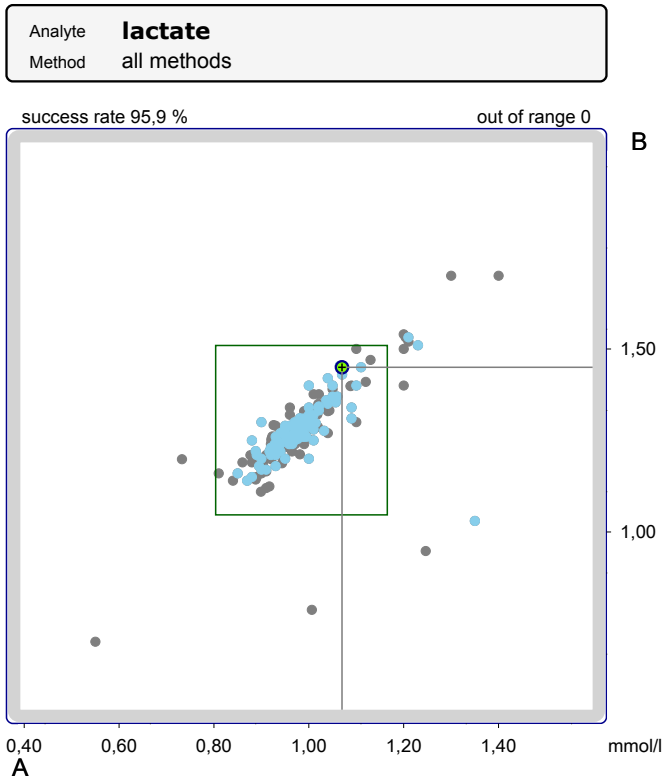
Sample A (RMW = 30.2 mg/dl)

M	Kit	N	Min	16.P	50.P	84.P	Max
Alle	529	22.0	28.4	29.8	31.0	78.1	
1	4	5	28.0		31.0	33.3	
1	30	9	28.0	28.5	29.0	29.9	30.0
1	328	5	29.9		30.0	33.0	
2	4	54	26.7	29.0	30.2	32.0	34.0
2	30	312	22.0	28.0	29.1	30.0	71.5
2	38	59	27.5	29.4	30.3	31.2	78.1
2	43	41	29.0	30.0	31.0	32.0	34.0
2	126	4	30.5		31.9	32.7	
2	328	17	27.0	28.0	30.0	32.0	32.6

Sample B (RMW = 75.4 mg/dl)

M	Kit	N	Min	16.P	50.P	84.P	Max
Alle	529	9.40	71.5	74.0	76.7	107	
1	4	5	70.0		74.0	80.2	
1	30	9	71.0	71.3	72.3	74.2	74.5
1	328	5	75.0		77.0	79.0	
2	4	54	66.4	73.4	75.8	78.5	82.9
2	30	312	9.40	71.0	73.3	75.3	79.5
2	38	59	32.7	72.1	74.3	76.5	79.0
2	43	41	70.3	74.3	76.8	78.0	79.4
2	126	4	69.5		76.8	80.2	
2	328	17	72.0	72.5	74.9	77.7	79.0

Other kits (number):
1-38(2), 1-43(2), > 1-83(1), 2-13(1), 2-32(1), 2-40(1), 2-99(2), 2-145(1), 2-163(2), 2-335(1), 3-13(1), 3-30(1), 3-43(1), 4-04(1), 4-30(1), 4-99(2), 4-328(1),



No of participants	322		
sample/unit	A	mmol/l	B
mean	0.980		1.28
standard deviation	0.077		0.091
coefficient of variation	7.87		7.15

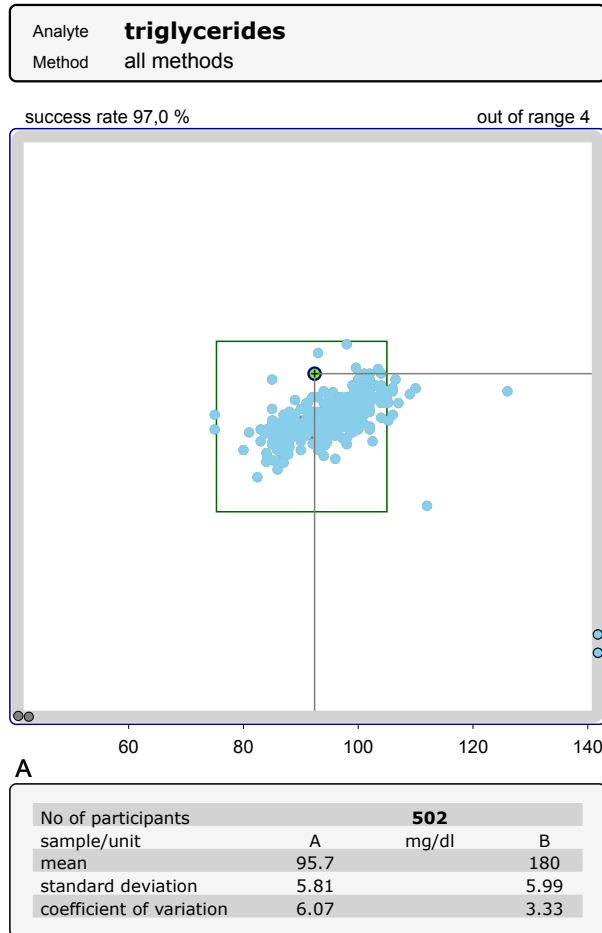
Sample A [mmol/l]

M	Kit	N	Min	16.P	50.P	84.P	Max
Alle	322	0.550	0.920	0.980	1.02	1.40	
1	4	9	0.888	0.895	0.910	0.937	0.954
1	12	7	0.810		0.880		0.950
1	30	85	0.733	0.939	0.988	1.00	1.30
1	38	9	0.920	0.921	0.930	0.967	0.970
1	43	15	0.921	0.942	1.00	1.20	1.21
1	328	11	0.900	0.955	1.04	1.13	1.20
2	4	12	1.00	1.00	1.05	1.10	1.11
2	12	3	0.870		0.880		0.910
2	30	98	0.880	0.930	0.980	1.00	1.10
2	38	22	0.850	0.897	0.930	0.950	1.35
2	43	9	0.970	0.976	1.00	1.14	1.21
3	112	4	0.550		1.00		1.13
4	30	22	0.890	0.900	0.958	1.00	1.04

Sample B [mmol/l]

M	Kit	N	Min	16.P	50.P	84.P	Max
Alle	322	0.700	1.21	1.28	1.33	1.70	
1	4	9	1.11	1.12	1.20	1.26	1.29
1	12	7	1.14		1.19		1.20
1	30	85	0.948	1.23	1.28	1.30	1.70
1	38	9	1.21	1.22	1.26	1.29	1.29
1	43	15	1.21	1.24	1.30	1.51	1.53
1	328	11	1.20	1.29	1.38	1.42	1.50
2	4	12	1.33	1.34	1.36	1.43	1.45
2	12	3	1.14		1.15		1.17
2	30	98	1.15	1.21	1.27	1.30	1.40
2	38	22	1.03	1.19	1.24	1.28	1.30
2	43	9	1.27	1.29	1.37	1.45	1.53
3	112	4	0.700		1.31		1.47
4	30	22	1.15	1.21	1.27	1.30	1.32

Other kits (number):
1-13(1), 1-112(1), 2-07(1), 2-13(1), > 2-83(1), 2-126(1), 2-328(1), 3-43(1), 4-04(1), 4-12(1), 4-38(1), 4-43(1), 4-45(1), 4-61(1), 4-99(2),



Sample A (RMW = 89.7 mg/dl)

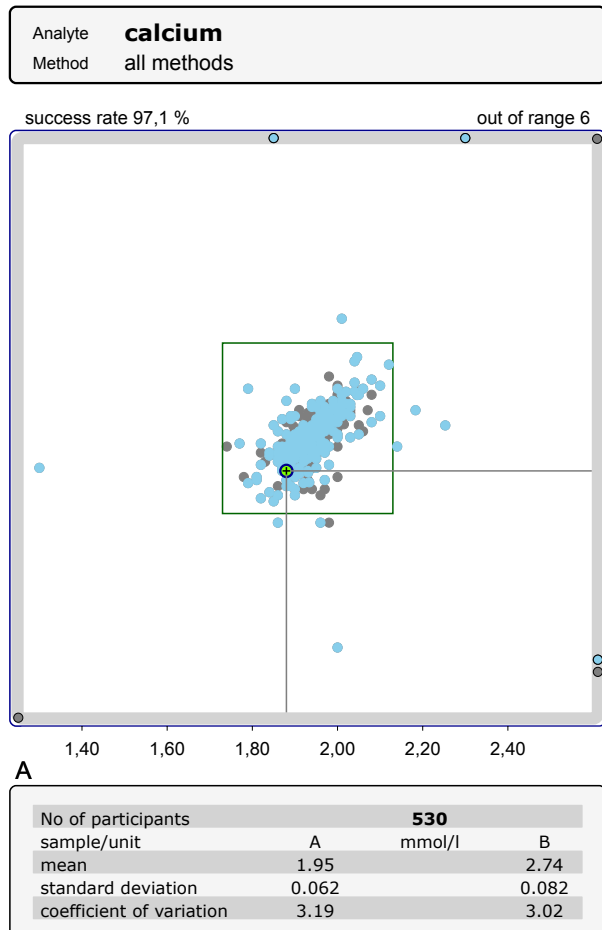
M	Kit	N	Min	16.P	50.P	84.P	Max
Alle		502	42.6	89.0	97.0	101	190
1	30	6	94.2		99.0		102
1	328	3	86.0		89.0		92.1
2	4	58	75.0	84.4	86.0	88.6	94.0
2	7	3	87.0		90.0		93.0
2	30	298	75.0	96.0	98.0	101	184
2	38	59	84.2	87.0	90.0	92.1	190
2	43	40	94.0	98.2	103	106	126
2	126	4	93.0		97.2		99.1
2	328	17	82.4	86.9	92.0	94.0	94.0

Sample B (RMW = 176 mg/dl)

M	Kit	N	Min	16.P	50.P	84.P	Max
Alle		502	66.5	174	180	185	204
1	30	6	177		181		187
1	328	3	168		173		173
2	4	58	164	173	176	182	192
2	7	3	164		171		180
2	30	298	105	178	182	185	204
2	38	59	99.0	169	175	179	190
2	43	40	170	176	184	187	192
2	126	4	178		180		182
2	328	17	159	171	175	180	188

Other kits (number):

1-43(1), 2-13(2), 2-40(1), > 2-83(1)<, 2-99(1), 2-145(1), 2-163(2), 2-335(2), 3-99(1), 3-328(1), 4-30(1),



Sample A (RMW = 1.93 mmol/l)

M	Kit	N	Min	16.P	50.P	84.P	Max
Alle		530	1.30	1.90	1.95	2.00	7.70
2	30	5	1.91		1.92		1.97
3	4	55	1.77	1.86	1.89	1.92	2.03
3	30	114	1.30	1.90	1.95	1.99	2.10
3	38	58	1.88	1.92	1.97	2.01	2.83
3	43	44	1.86	1.94	1.98	2.03	2.30
3	328	22	1.81	1.84	1.89	1.94	2.05
4	4	4	1.78		1.87		1.95
4	30	197	1.74	1.92	1.95	1.99	2.70
5	30	5	1.90		1.94		1.98
6	30	4	2.00		2.00		2.01

Sample B (RMW = 2.76 mmol/l)

M	Kit	N	Min	16.P	50.P	84.P	Max
Alle		530	1.96	2.68	2.75	2.81	54.0
2	30	5	2.66		2.76		2.80
3	4	55	2.45	2.65	2.70	2.76	2.89
3	30	114	2.56	2.68	2.75	2.80	3.12
3	38	58	2.00	2.70	2.77	2.83	2.98
3	43	44	2.04	2.69	2.79	2.84	54.0
3	328	22	2.52	2.55	2.62	2.66	5.52
4	4	4	2.60		2.70		2.77
4	30	197	1.96	2.70	2.76	2.80	2.93
5	30	5	2.70		2.76		2.81
6	30	4	2.80		2.81		2.82

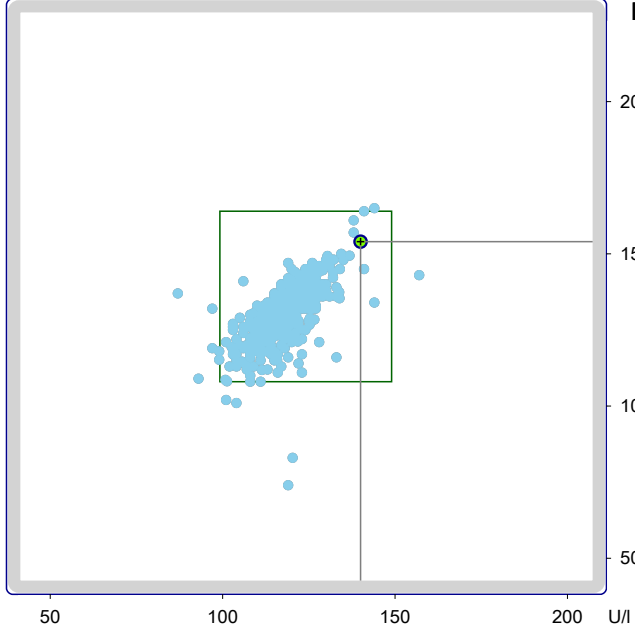
Other kits (number):

1-43(1), 2-99(1), 2-335(1), 3-07(1), 3-13(2), 3-40(1), > 3-83(1)<, 3-99(2), 3-126(2), 3-163(1), 3-335(1), 4-43(1), 5-38(1), 5-43(1), 6-04(1), 6-38(1), 6-89(1), 6-126(2),

Analyte **CK**
Method all methods

success rate 97,8 %

out of range 0



A

No of participants	514	
sample/unit	A	B
mean	118	131
standard deviation	7.73	9.52
coefficient of variation	6.53	7.28

Sample A (RMW = 124 U/l)

M	Kit	N	Min	16.P	50.P	84.P	Max	
Alle	514	87.0	111	118	125	157		100 150
1	4	59	104	118	122	130	141	+
1	30	321	87.0	111	118	124	157	+
1	38	57	101	113	121	128	134	+
1	43	41	102	109	113	118	122	+
1	99	3	101		115		135	+
1	126	3	120		123		126	+
1	328	22	103	107	115	117	130	+

B

Sample B (RMW = 136 U/l)

M	Kit	N	Min	16.P	50.P	84.P	Max	
Alle	514	74.0	122	132	139	165		100 150 200
1	4	59	115	129	137	145	164	+
1	30	321	74.0	123	132	139	165	+
1	38	57	108	122	132	139	150	+
1	43	41	108	118	124	131	137	+
1	99	3	102		125		148	+
1	126	3	130		138		139	+
1	328	22	119	120	127	133	146	+

Other kits (number):
1-07(1), 1-12(1), 1-13(2), 1-40(1), > 1-83(1)<, 1-145(1), 1-163(1),