Survey: **KS4/24**
month: **May 2024**
Participant-No: **0004965**
date of issue: **18.05.24**

Referenzinstitut für Bioanalytik

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D-EP-15117-01-00

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Bonn, 11. June 2024

Certificate

We confirm that you have participated in the survey for clinical chemical analytes in serum.

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

cholesterol	(1)	glucose	(3)	urea	(1)
lactate	(2)	triglycerides	(2)	calcium	(3)
magnesium	(4)	CK	(1)	AST	(1)

This certificate is according to the current version of the RiliBÄK valid until the end of November 2024.

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.

http://www.rfb.biology/certificate?lm=0004965&rv_id=KS24
&version=0&uuid=16D0D27979D7488FB5A2C7EEE933FD26

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RfB SPMD

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)

Certificate of participation

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) Dmax= maximum allowable amount of difference in measurement, partly given by annax 1 of the guideline of the BÄK (Dt. Ärzteblatt 111, Heft 38, 19.9.2014). T = target value, either reference method value or assigned value, LL | UL = lower resp. upper limit	Certification:	+ = fulfilled (quotient | D/Dmax | <= 1.0) - = not fulfilled (quotient | D/Dmax | > 1.0 ± = certification cancelled because of technical and/or analytical reasons

	C	M		R	D/Dmax	T	LL	UL
cholesterol	+	1	A	150	-0.10	152	132	172
[mg/dl]			B	232	0.10	229	199	259
glucose	+	3	A	71.5	-0.74	80.4	68.3	92.5
[mg/dl]			B	110	-0.29	115	97.7	133
urea	+	1	A	84.1	-0.39	91.3	73.0	110
[mg/dl]			B	113	-0.29	120	96.0	144
lactate	+	2	A	3.15	0.32	2.97	2.43	3.52
[mmol/l]			B	5.04	0.43	4.67	3.82	5.52
triglycerides	+	2	A	124	0.25	119	99.9	139
[mg/dl]			B	144	0.36	136	114	158
calcium	+	3	A	2.63	0.52	2.50	2.25	2.75
[mmol/l]			B	3.15	0.53	2.99	2.69	3.29
magnesium	+	4	A	1.25	0.21	1.21	1.02	1.40
[mmol/l]			B	1.10	0.56	1.01	0.858	1.17
CK	+	1	A	282	0.34	264	211	317
[U/l]			B	260	0.41	240	192	288
AST	+	1	A	180	-0.64	208	164	252
[U/l]			B	248	-0.53	279	220	338