

Survey: KS8/19
month: November 2019
Participant-No: 0004965
date of issue: 16.11.19



Referenzinstitut für Bioanalytik

diaglobal GmbH
Dr. Rainer Schlegel
Haus 41
Köpenicker Str. 325
12555 Berlin



Survey directors

Prof. Dr. C. Knabbe
Prof. Dr. Dr. K.P. Kohse
Prof. Dr. M. Neumaier

Head of RfB

Dr. W. J. Geilenkeuser
Dr. A. Kessler

Bonn, 6. December 2019

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:

bilirubin, total	(2)	cholesterol	(1)	glucose	(3)
urea	(1)	creatinine	(1)	lactate	(2)
triglycerides	(2)	calcium	(3)	magnesium	(4)
CK	(1)	AST	(1)	ALT	(1)

This certificate is according to the current version of the RiliBÄK valid until the end of May 2020.

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.

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http://www.rfb.bio/cp/certificate?m=0004965&v_id=KS198
&version=0&uu=66033C76D7324580AE409482E74144EB

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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)

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 annex 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
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	C	M	R	D/Dmax	T	LL	UL										
bilirubin, total [mg/dl]	+	2	A	1.93	0.26	1.82	1.41	2.23									
			B	3.12	0.08	3.06	2.38	3.74									
cholesterol [mg/dl]	+	1	A	186	-0.47	198	172	225									
			B	112	0.06	111	96.5	126									
glucose [mg/dl]	+	3	A	91.6	-0.47	98.5	83.7	114									
			B	91.8	-0.17	94.2	80.0	109									
urea [mg/dl]	+	1	A	91.8	0	91.9	73.5	111									
			B	67.2	0.53	60.7	48.5	72.9									
creatinine [mg/dl]	+	1	A	1.83	0.50	1.66	1.32	2.00									
			B	5.00	-0.44	5.48	4.38	6.58									
lactate [mmol/l]	+	2	A	3.01	0.11	2.95	2.41	3.49									
			B	3.39	0	3.39	2.77	4.00									
triglycerides [mg/dl]	+	2	A	115	-0.09	117	97.9	136									
			B	224	0.22	216	181	251									
calcium [mmol/l]	+	3	A	2.81	0.25	2.74	2.46	3.02									
			B	2.41	0	2.41	2.16	2.66									
magnesium [mmol/l]	+	4	A	1.59	0.06	1.57	1.33	1.82									
			B	1.45	0	1.45	1.23	1.67									
CK [U/l]	+	1	A	228	0.47	208	166	250									
			B	549	-0.06	556	444	668									
AST [U/l]	+	1	A	181	-0.38	197	155	239									
			B	235	-0.19	245	193	297									
ALT [U/l]	+	1	A	69.3	-0.26	73.3	57.9	88.7									
			B	200	-0.20	209	165	253									

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