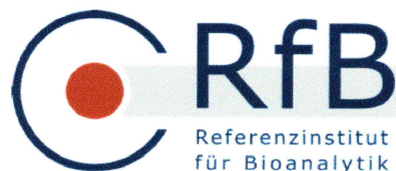


Survey: HA2/19
month: May 2019
Participant-No: 0004965
date of issue: 15.05.19



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, 11. June 2019

Certificate

We confirm that you have participated in the survey for full blood count.

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

hemoglobin (4) | erythrocytes (1) | hematocrit (1)

This certificate is valid until the end of November 2019.

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.

Survey: HA2/19
 month: May 2019
 Participant-No: 0004965



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)	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 (Dt. Ärzteblatt 111, Heft 38, 19.9.2014). T = target value, either reference method value or assigned value, LL UL = lower resp. upper limit	

	C	M	R	D/Dmax	T	LL	UL								
hemoglobin [g/dl]	+	4	A	17.6	0.63	16.9	15.8	18.0							
			B	13.8	0.44	13.4	12.5	14.3							
erythrocytes [10e6/u]	+	1	A	5.59	0.17	5.51	5.06	5.96							
			B	4.39	-0.43	4.55	4.18	4.92							
hematocrit [%]	+	1	A	48.3	0.16	47.6	43.3	51.9							
			B	38.3	0.23	37.5	34.1	40.9							