

Survey: **ZY2/20**  
month: **May 2020**  
Participant-No: **9907069**  
date of issue: **16.05.20**

Nemocnice Pardubického kraje a.s.  
Orlickoustecka nemocnice  
Oddeleni klinicke bioch. a diagnostiky  
RNDr. Karel Kohoutek  
Cs. armády 1076  
56218 USTI NAD ORLICI  
CZECH REPUBLIC

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, 24. June 2020

## Certificate

We confirm that you have participated in the survey for cytokines.

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

IL-6 (3) | PCT (3)

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



Survey: ZY2/20  
 month: May 2020  
 Participant-No: 9907069



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

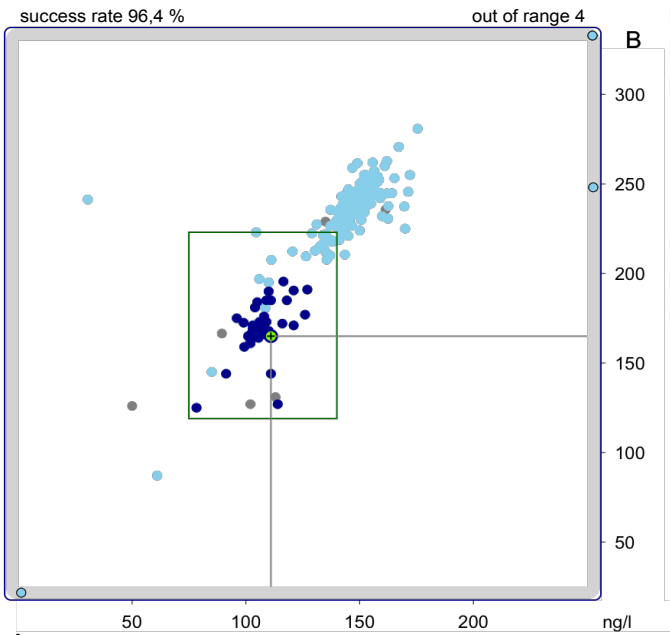
In the participation certificate all analytes which are included in the list on this page are listed.  
 If all analytes are listed on the certificate no participation certificate is printed.

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								
IL-6 [ng/l]	+	3	A	111	0.12	107	74.9	140							
			B	165	-0.12	171	119	223							
PCT [µg/l]	+	3	A	1.82	0.23	1.70	1.19	2.21							
			B	0.980	0.06	0.960	0.672	1.25							



Analyte **IL-6**  
Method all methods



No of participants		278	
sample/unit	A	ng/l	B
mean	140		226
standard deviation	20.3		30.2
coefficient of variation	14.5		13.4

**Sample A [ng/l]**

M	Kit	N	Min	16.P	50.P	84.P	Max
Alle	278	1.25	115	146	192	257	00000
1	142	3	50.0		102		113
2	10	3	89.5		146		161
3	13	23	141	145	155	166	755
3	30	188	1.25	142	148	155	176
3	40	16	85.0	105	128	138	147
3	44	35	78.3	101	107	117	127

**Sample B [ng/l]**

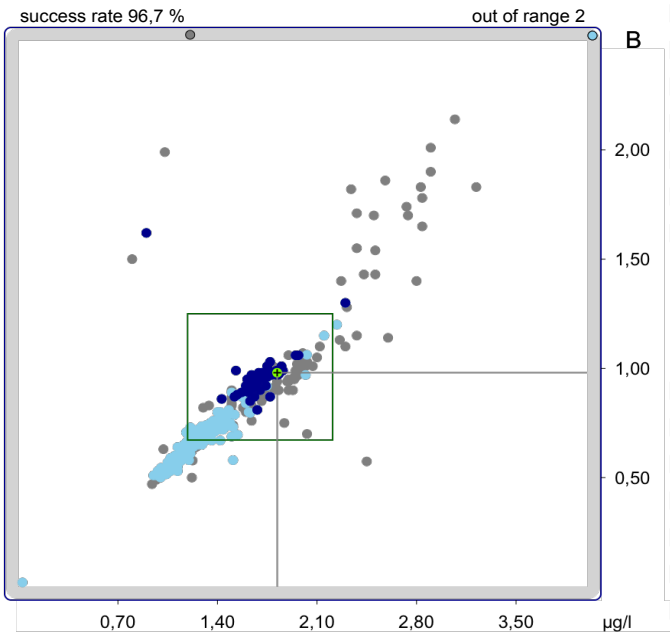
M	Kit	N	Min	16.P	50.P	84.P	Max
Alle	278	0.676	194	236	249	267	00000
1	142	3	126		127		131
2	10	3	166		229		236
3	13	23	221	226	245	255	263
3	30	188	0.676	229	238	247	281
3	40	16	145	178	211	229	236
3	44	35	125	161	171	185	196

The deviation of your results from the median of the corresponding sub-collective (kit) is:

A	3.7 %
B	-3.5 %

Other kits (number):  
1-30(1), 1-99(1), 1-111(1), 3-74(2), 3-250(1), 5-30(1), 6-30(1), 9-30(1), 9-99(1),

Analyte **PCT**  
Method all methods



No of participants		523	
sample/unit	A	µg/l	B
mean	1.43		0.781
standard deviation	0.368		0.242
coefficient of variation	25.7		31.0

**Sample A [µg/l]**

M	Kit	N	Min	16.P	50.P	84.P	Max
Alle	523	0.028	1.20	1.30	1.74	2.12	147
2	21	33	1.03	1.77	1.95	2.03	2.12
2	48	24	1.02	1.18	1.22	1.29	2.45
2	61	13	0.800	1.32	1.50	1.58	1.60
2	159	4	1.34		1.63		1.90
3	4	42	0.950	1.03	1.08	1.18	1.24
3	13	22	1.27	1.30	1.43	1.53	1.75
3	30	222	1.10	1.23	1.29	1.35	147
3	40	51	0.900	1.61	1.70	1.79	2.30
3	48	52	0.028	1.16	1.26	1.34	1.57
3	74	4	2.02		2.09		2.24
3	77	8	1.04	1.08	1.26	1.62	1.63
3	99	3	1.12		1.23		1.27
5	12	12	1.45	1.52	1.72	1.96	2.84
5	147	23	1.14	2.30	2.51	2.90	3.22

**Sample B [µg/l]**

M	Kit	N	Min	16.P	50.P	84.P	Max
Alle	523	0.020	0.644	0.707	0.950	1.65	645
2	21	33	0.670	0.883	0.970	1.03	1.99
2	48	24	0.574	0.604	0.637	0.700	645
2	61	13	0.770	0.792	0.840	0.895	1.50
2	159	4	0.830		0.835		1.06
3	4	42	0.500	0.530	0.570	0.620	0.665
3	13	22	0.650	0.673	0.720	0.792	0.919
3	30	222	0.580	0.667	0.700	0.730	230
3	40	51	0.810	0.890	0.960	0.990	1.62
3	48	52	0.020	0.605	0.698	0.725	0.890
3	74	4	0.970		1.11		1.20
3	77	8	0.515	0.547	0.660	0.821	0.840
3	99	3	0.640		0.656		0.680
5	12	12	0.740	0.762	0.875	0.970	1.65
5	147	23	0.590	1.14	1.55	1.87	2.14

The deviation of your results from the median of the corresponding sub-collective (kit) is:

A	7.0 %
B	2.0 %

Other kits (number):  
1-12(1), 1-28(2), 1-48(1), 2-99(1), 3-38(1), 5-04(1), 5-38(2), 9-03(1),

