

CERTIFICATE

Survey of 27 October 2023

You have fulfilled the requirements of the External Quality Assessment with the following analysis

IgG Subclasses (244):

Validity 12 months:

IgG1
IgG2
IgG3
IgG4

(R) analysis is subject to the RiliBÄK

Customer:
10032840
Zakład Diagnostyki Laboratoryjnej
Szpital Uniwersytecki nr 2
im. dr. J. Biziela w Bydgoszczy
ul. Ujejskiego 75
85-168 Bydgoszcz



Düsseldorf, 07 December 2023



Prof. Dr. med. Michael Spannagl
(Head of Reference Institution)



Prof. Dr. rer. nat. Ingo Schellenberg
(Adviser)

CERTIFICATE OF PARTICIPATION

Survey of 27 October 2023

You have participated in the External Quality Assessment with the following analysis

IgG Subclasses (244):

IgG1

IgG2

IgG3

IgG4

(R) analysis is subject to the RiliBÄK

Customer:

10032840

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Listing and evaluation of the results

10032840: Zakład Diagnostyki Laboratoryjnej
Szpital Uniwersytecki nr 2
im. dr. J. Biziela w Bydgoszczy

Survey of 27 October 2023

Adviser:

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244

IgG Subclasses

Analyte	Sam- ple	Unit	Your value	Target value	TV- Type	Lower limit	Upper limit	Deviation	Z-Score	Meets criteria	
IgG1	61	g/l	9.48	9.45	SV	7.47	11.4	0.3%	0,086	+	
	62		5.69	5.67	SV	4.48	6.86	0.4%	0,074	+	
IgG2	61	g/l	0.880	0.929	SV	0.734	1.12	-5.3%	-0,875	+	
	62		2.04	2.12	SV	1.67	2.57	-3.8%	-0,69	+	
IgG3	61	g/l	0.104	0.108	SV	0.085	0.131	-3.7%	-0,571	+	
	62		0.228	0.228	SV	0.180	0.276	0.0%	0	+	
IgG4	61	g/l	0.390	0.371	SV	0.293	0.449	5.1%	1,06	+	
	62		0.496	0.470	SV	0.371	0.569	5.5%	1,04	+	

Analyte	Sam- ple	Your unit	Stated value	Conversion factor	Method	Manu- facturer	Device
IgG1	61	mg/dl	948	0.010	87	BW	BW04
	62		569	0.010			
IgG2	61	mg/dl	88.0	0.010	87	BW	BW04
	62		204	0.010			
IgG3	61	mg/dl	10.4	0.010	87	BW	BW04
	62		22.8	0.010			
IgG4	61	mg/dl	39.0	0.010	87	BW	BW04
	62		49.6	0.010			

Additional information on the evaluation is available for download in the RV-Online system in the column "Report".

Individual summary of results

10032840: Zakład Diagnostyki Laboratoryjnej
Szpital Uniwersytecki nr 2
im. dr. J. Biziela w Bydgoszczy

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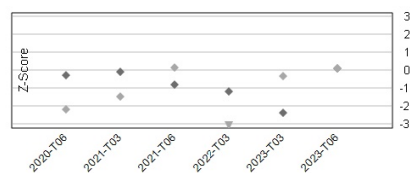
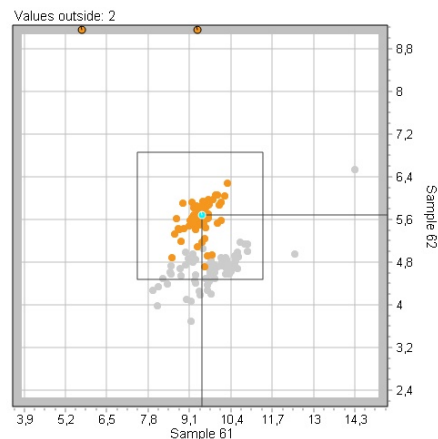
244

IgG Subclasses

IgG1 (g/l, N = 138)

Collective	Sample	Target value	Target range	Participants collective			Rate (%)		
				AVG	CV	Num.	Sam.	total	
Siemens / Beckmann	61	9.45	7.47 - 11.4	9.45	3.68	70	98.6	97.1	
	62	5.67	4.48 - 6.86	5.67	4.74	70	97.1		
other provider	61	9.73	7.69 - 11.8	9.73	8.36	68	97.1	97.1	
	62	4.68	3.70 - 5.66	4.68	5.83	68	98.5		

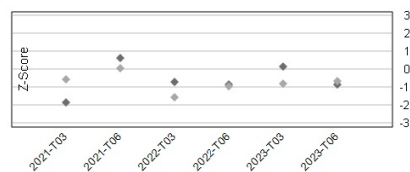
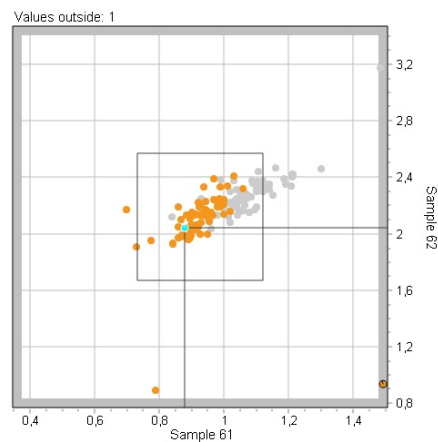
Rate of success: 97,1%



IgG2 (g/l, N = 138)

Collective	Sample	Target value	Target range	Participants collective			Rate (%)		
				AVG	CV	Num.	Sam.	total	
Siemens / Beckmann	61	0.929	0.734 - 1.12	0.929	6.03	70	95.7	94.3	
	62	2.12	1.67 - 2.57	2.12	5.47	70	97.1		
other provider	61	1.07	0.845 - 1.29	1.07	6.73	68	95.6	95.6	
	62	2.27	1.79 - 2.75	2.27	4.85	68	98.5		

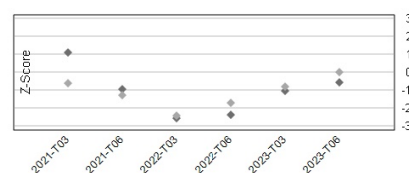
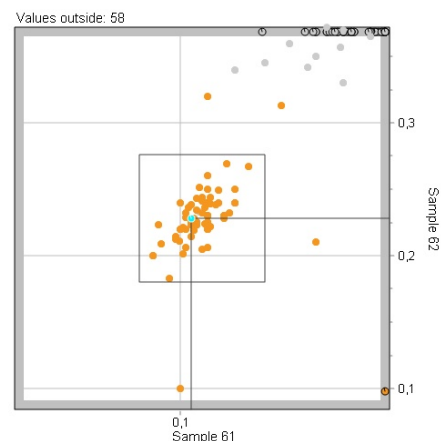
Rate of success: 94,9%



IgG3 (g/l, N = 138)

Collective	Sample	Target value	Target range	Participants collective			Rate (%)		
				AVG	CV	Num.	Sam.	total	
Siemens / Beckmann	61	0.108	0.085 - 0.131	0.108	6.48	70	95.7	92.9	
	62	0.228	0.180 - 0.276	0.228	7.46	70	94.3		
other provider	61	0.167	0.132 - 0.202	0.167	9.58	68	89.7	89.7	
	62	0.394	0.311 - 0.477	0.394	6.09	68	97.1		

Rate of success: 91,3%


IgG4 (g/l, N = 143)

Collective	Sample	Target value	Target range	Participants collective			Rate (%)		
				AVG	CV	Num.	Sam.	total	
Siemens / Beckmann	61	0.371	0.293 - 0.449	0.371	4.85	73	98.6	98.6	
	62	0.470	0.371 - 0.569	0.470	5.32	73	98.6		
other provider	61	0.221	0.175 - 0.267	0.221	4.98	70	97.1	97.1	
	62	0.294	0.232 - 0.356	0.294	4.08	70	97.1		

Rate of success: 97,9%

