

CERTIFICATE

Survey of 16 May 2025

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

IgG Subclasses (244):

Validity 12 months:

IgG1
IgG2
IgG4

(R) analysis is subject to the RiliBÄK

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

Düsseldorf, 18 June 2025



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



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

CERTIFICATE OF PARTICIPATION

Survey of 16 May 2025

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:
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(Adviser)



Listing and evaluation of the results

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

Survey of 16 May 2025

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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	31	g/l	25.2	24.4	SV	19.3	29.5	3.1%	0.620	+	
	32		17.4	16.7	SV	13.2	20.2	4.2%	0.815	+	
IgG2	31	g/l	0.905	0.904	SV	0.714	1.09	0.1%	0.009	+	
	32		0.220	0.216	SV	0.171	0.261	1.9%	0.190	+	
IgG3	31	g/l	0.165	0.175	SV	0.138	0.212	-6.0%	-1.05	+	
	32		0.040	0.053	SV	0.042	0.064	-25.5%	-1.93	-	
IgG4	31	g/l	0.089	0.091	SV	0.072	0.110	-2.7%	-0.179	+	
	32		0.301	0.289	SV	0.228	0.350	4.0%	0.767	+	

Analyte	Sam- ple	Your unit	Stated value	Conversion factor	Method	Manu- facturer	Device
IgG1	31	mg/dl	2515	0.010	87	BW	BW04
	32		1740	0.010			
IgG2	31	mg/dl	90.5	0.010	87	BW	BW04
	32		22.0	0.010			
IgG3	31	mg/dl	16.5	0.010	87	BW	BW04
	32		3.95	0.010			
IgG4	31	mg/dl	8.85	0.010	87	BW	BW04
	32		30.1	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

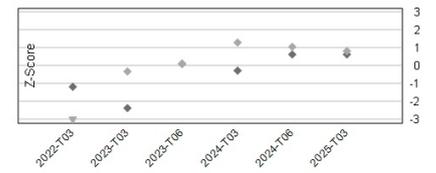
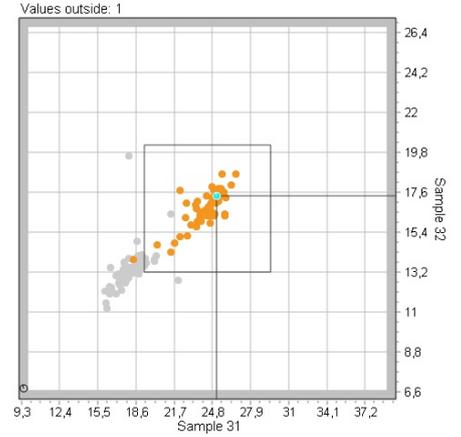
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244

IgG Subclasses

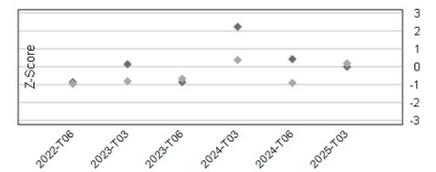
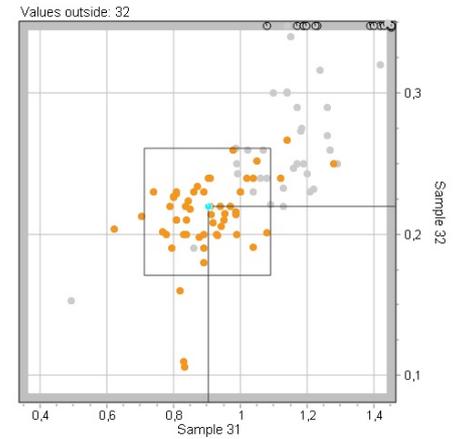
IgG1 (g/l, N = 120)									
Collective	Sam-ple	Target value	Target range	Participants collective			Rate (%)		
				AVG	CV	Num.	Sam.	total	
Siemens / Beckman	31	24.4	19.3 - 29.5	24.4	4.96	57	98.2	98.2	
	32	16.7	13.2 - 20.2	16.7	5.14	57	100		
other provider	31	18.0	14.2 - 21.8	18.0	5.89	64	96.9	93.8	
	32	13.2	10.4 - 16.0	13.2	5.40	64	95.3		

Rate of success: 95,8%



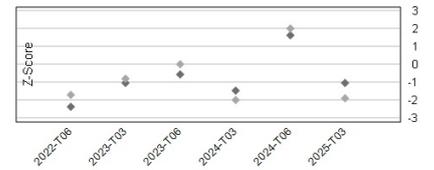
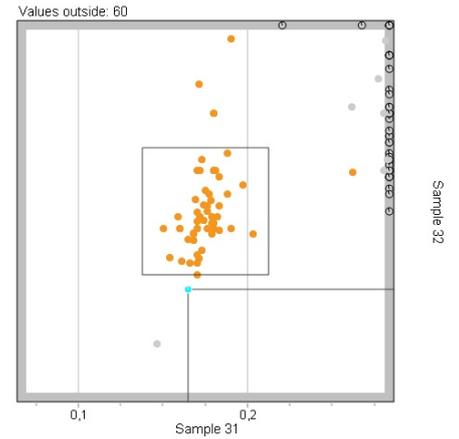
IgG2 (g/l, N = 123)									
Collective	Sam-ple	Target value	Target range	Participants collective			Rate (%)		
				AVG	CV	Num.	Sam.	total	
Siemens / Beckman	31	0.904	0.714 - 1.09	0.904	12.1	58	89.7	82.5	
	32	0.216	0.171 - 0.261	0.216	9.72	58	89.7		
other provider	31	1.29	1.02 - 1.56	1.29	18.4	66	77.3	37.9	
	32	0.333	0.263 - 0.403	0.333	27.3	66	42.4		

Rate of success: 58,5%



IgG3 (g/l, N = 123)										
Collective	Sam-ple	Target value	Target range	Participants collective			Rate (%)			
				AVG	CV	Num.	Sam.	total		
Siemens / Beckman	31	0.175	0.138 - 0.212	0.175	5.71	57	96.5	87.5		
	32	0.053	0.042 - 0.064	0.053	13.2	57	89.5			
other provider	31	0.339	0.268 - 0.410	0.339	15.9	67	83.6	70.1		
	32	0.068	0.054 - 0.082	0.068	16.2	67	82.1			

Rate of success: 78%



IgG4 (g/l, N = 131)										
Collective	Sam-ple	Target value	Target range	Participants collective			Rate (%)			
				AVG	CV	Num.	Sam.	total		
Siemens / Beckman	31	0.091	0.072 - 0.110	0.091	15.4	61	86.9	86.7		
	32	0.289	0.228 - 0.350	0.289	5.19	61	98.4			
other provider	31	0.124	0.098 - 0.150	0.124	37.1	71	47.9	46.5		
	32	0.185	0.146 - 0.224	0.185	9.73	71	91.5			

Rate of success: 64,9%

