

CERTIFICATE

Survey of 24 October 2025

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

Urine Chemistry 07 (Aminolaevulinic acid / Porphobilinogen) (180):

Validity 12 months:

Aminolaevulinic Acid
Porphobilinogen

(R) analysis is subject to the RiliBÄK

Customer:
10022619
Szpital Uniwersytecki nr 2 im. dr Jana Biziela
Zakład Diagnostyki Laboratoryjnej
Ujejskiego 75
85-168 Bydgoszcz

Düsseldorf, 31 October 2025



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



Dr. Patricia Kaiser (PhD)
(Adviser)

CERTIFICATE OF PARTICIPATION

Survey of 24 October 2025

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

Urine Chemistry 07 (Aminolaevulinic acid / Porphobilinogen) (180):

Aminolaevulinic Acid
Porphobilinogen

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Dr. Patricia Kaiser (PhD)
(Adviser)



Listing and evaluation of the results

10022619: Szpital Uniwersytecki nr 2 im. dr Jana Biziela
Zakład Diagnostyki Laboratoryjnej

Survey of 24 October 2025

Adviser:

Dr. Patricia Kaiser (PhD)

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180

Urine Chemistry 07 (Aminolaevulinic acid / Porphobilinogen)

Analyte	Sample 180A- 251007	Unit	Your value	Target value	TV- Type	Lower limit	Upper limit	Deviation	Z-Score	Meets criteria	
Aminolaevulinic Acid	-01	µmol/l	206	183	SV	101	265	12.5%	0,682	+	
	-02		133	120	SV	66.0	174	11.2%	0,64	+	
Porphobilinogen	-01	µmol/l	8.84	9.34	SV	5.14	13.5	-5.4%	-0,166	+	
	-02		35.4	41.6	SV	22.9	60.3	-15.0%	-0,434	+	

Analyte	Sample 180A- 251007	Your unit	Stated value	Conversion factor	Method	Manu- facturer	Device
Aminolaevulinic Acid	-01	mg/dl	2.70	76.3	166	ZY	
	-02		1.75	76.3			
Porphobilinogen	-01	mg/dl	0.200	44.2	166	ZY	
	-02		0.800	44.2			

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

Individual summary of results

10022619: Szpital Uniwersytecki nr 2 im. dr Jana Biziela
Zakład Diagnostyki Laboratoryjnej

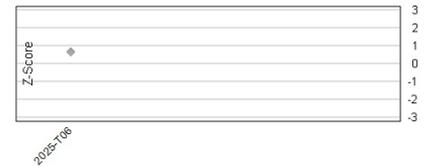
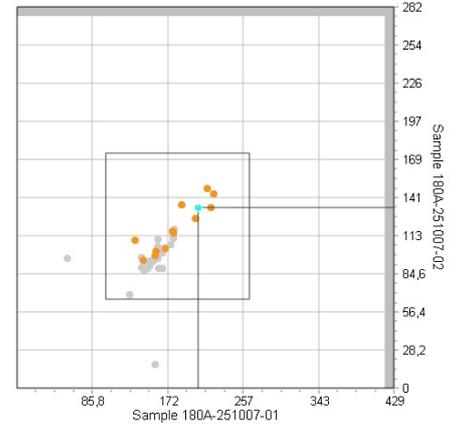
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Urine Chemistry 07 (Aminolaevulinic acid / Porphobilinogen)

Aminolaevulinic Acid ($\mu\text{mol/l}$, N = 50)									
Collective	Sample 180A-251007	Target value	Target range	Participants collective			Rate (%)		
				AVG	CV	Num.	Sam.	total	
Recipe	-01	158	86.9 - 229	158	5.95	37	97.3	94.6	
	-02	96.8	53.2 - 140	96.8	7.33	37	97.3		
other providers	-01	183	101 - 265	183	18.4	13	100	100	
	-02	120	66.0 - 174	120	16.9	13	100		

Rate of success: 96%



Porphobilinogen ($\mu\text{mol/l}$, N = 51)									
Collective	Sample 180A-251007	Target value	Target range	Participants collective			Rate (%)		
				AVG	CV	Num.	Sam.	total	
Recipe	-01	9.13	5.02 - 13.2	9.13	11.1	39	97.4	94.9	
	-02	39.6	21.8 - 57.4	39.6	10.3	39	97.4		
other providers	-01	9.34	5.14 - 13.5	9.34	32.2	12	83.3	75.0	
	-02	41.6	22.9 - 60.3	41.6	34.4	12	75.0		

Rate of success: 90,2%

