

CERTIFICATE

Survey of 10 May 2024

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

Urine Chemistry 04 (Porphyrins) (178):

Validity 12 months:

Aminolaevulinic Acid
Porphobilinogen

(R) analysis is subject to the RiliBÄK

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

Düsseldorf, 17 May 2024



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



Dr. Patricia Kaiser (PhD)
(Adviser)

CERTIFICATE OF PARTICIPATION

Survey of 10 May 2024

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

Urine Chemistry 04 (Porphyrins) (178):

Aminolaevulinic Acid
Porphobilinogen

(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, 17 May 2024



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



Dr. Patricia Kaiser (PhD)
(Adviser)



Listing and evaluation of the results

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

Survey of 10 May 2024

Adviser:

Dr. Patricia Kaiser (PhD)
IN STAND e.V.
Ubierstraße 20
40223 Düsseldorf

Tel.: +49 211-1592 13 210
Mail: kaiser@instand-ev.de

178

Urine Chemistry 04 (Porphyrins)

Analyte	Sam- ple	Unit	Your value	Target value	TV- Type	Lower limit	Upper limit	Deviation	Z-Score	Meets criteria	
Aminolaevulinic Acid	31	µmol/l	59.9	48.9	SV	26.9	70.9	22.6%	1,43	+	
	32		27.7	20.7	SV	11.4	30.0	34.0%	1,25	+	
Porphobilinogen	31	µmol/l	7.90	6.74	SV	3.71	9.77	17.2%	1,01	+	
	32		4.10	3.98	SV	2.19	5.77	3.0%	0,153	+	

Analyte	Sam- ple	Your unit	Stated value	Conversion factor	Method	Manu- facturer	Device
Aminolaevulinic Acid	31	µmol/l	59.9	1.00	166	ZY	
	32		27.7	1.00			
Porphobilinogen	31	µmol/l	7.90	1.00	166	ZY	
	32		4.10	1.00			

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. Bizuela w Bydgoszczy

Survey of 10 May 2024

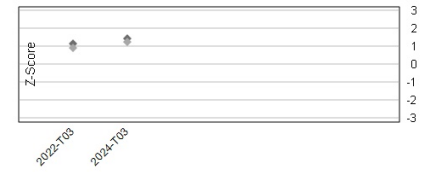
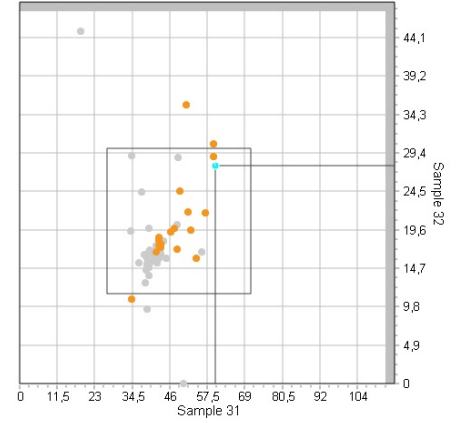
178

Urine Chemistry 04 (Porphyrins)

Aminolaevulinic Acid ($\mu\text{mol/l}$, N = 66)

Collective	Sample	Target value	Target range	Participants collective			Rate (%)	
				AVG	CV	Num.	Sam.	total
RECIPE	31	40.9	22.5 - 59.3	40.9	6.33	47	97.9	89.4
	32	16.5	9.08 - 23.9	16.5	9.03	47	89.4	
other providers	31	48.9	26.9 - 70.9	48.9	15.7	19	100	84.2
	32	20.7	11.4 - 30.0	20.7	27.2	19	84.2	

Rate of success: 87,9%



Porphobilinogen ($\mu\text{mol/l}$, N = 65)

Collective	Sample	Target value	Target range	Participants collective			Rate (%)	
				AVG	CV	Num.	Sam.	total
all providers	31	6.74	3.71 - 9.77	6.74	17.1	65	93.8	87.7
	32	3.98	2.19 - 5.77	3.98	19.6	65	92.3	

Rate of success: 87,7%

