

CERTIFICATE

Survey of 16 May 2025

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

Urine Chemistry 03 (Biogene Amines) (175):

Validity 12 months:

Vanillylmandelic Acid

(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, 10 June 2025



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



Dr. rer. nat. Heike Schneider
(Adviser)

CERTIFICATE OF PARTICIPATION

Survey of 16 May 2025

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

Urine Chemistry 03 (Biogene Amines) (175):

5-Hydroxyindolea Acid
Metanephrine
Vanillylmandelic Acid

(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, 10 June 2025



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



Dr. rer. nat. Heike Schneider
(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

Adviser:

Dr. rer. nat Heike Schneider

Institut für Klinische Chemie und Pathobiochemie
Klinikum rechts der Isar
Ismaninger Straße 22
81675 München

Tel.: +49 89 4140 5252

Fax: +49 89 4140 4875

Mail: heike.schneider@instand-ringversuch.de

175

Urine Chemistry 03 (Biogene Amines)

Analyte	Sam- ple	Unit	Your value	Target value	TV- Type	Lower limit	Upper limit	Deviation	Z-Score	Meets criteria	
5-Hydroxyindolea Acid	31	µmol/l	25.8	15.9	SV	8.75	23.1	62.1%	4.29	-	
	32		18.7	12.6	SV	6.93	18.3	48.8%	2.95	-	
Metanephrine	31	µmol/l	13.5	7.18	SV	3.95	10.4	87.9%	7.77	-	
	32		9.63	1.49	SV	0.820	2.16	546.5%	47.9	-	
Vanillylmandelic Acid	31	µmol/l	54.3	52.8	SV	29.0	76.6	2.8%	0.302	+	
	32		25.6	18.9	SV	10.4	27.4	35.5%	3.00	+	

Analyte	Sam- ple	Your unit	Stated value	Conversion factor	Method	Manu- facturer	Device	Detection limit	dilution
5-Hydroxyindolea Acid	31	mg/l	4.93	5.23	166	ZY			
	32		3.59	5.23					
Metanephrine	31	µmol/l	13.5	1.00	166	ZY			
	32		9.63	1.00					
Vanillylmandelic Acid	31	mg/l	10.8	5.05	166	ZY			
	32		5.07	5.05					

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

Survey of 16 May 2025

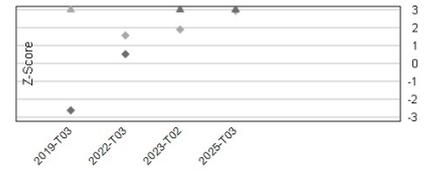
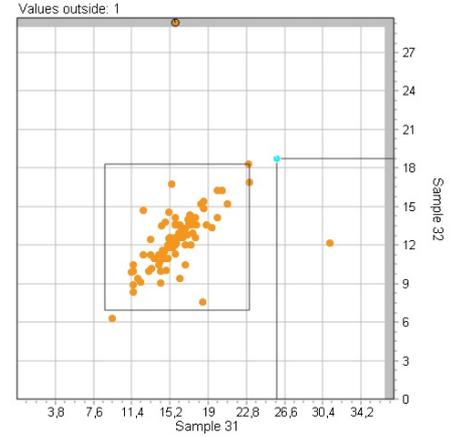
175

Urine Chemistry 03 (Biogene Amines)

5-Hydroxyindolea Acid ($\mu\text{mol/l}$, N = 96)

Collective	Sam- ple	Target value	Target range	Participants collective			Rate (%)	
				AVG	CV	Num.	Sam.	total
all methods	31	15.9	8.75 - 23.1	15.9	14.5	96	97.9	95.8
	32	12.6	6.93 - 18.3	12.6	16.4	96	96.9	

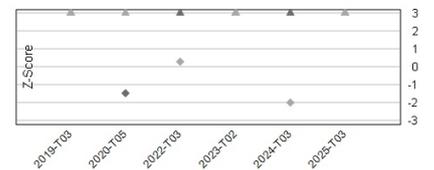
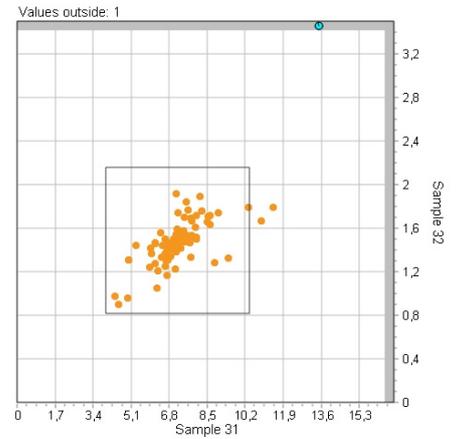
Rate of success: 95,8%



Metanephrine ($\mu\text{mol/l}$, N = 93)

Collective	Sam- ple	Target value	Target range	Participants collective			Rate (%)	
				AVG	CV	Num.	Sam.	total
other methods	31	7.18	3.95 - 10.4	7.18	11.3	93	96.8	96.8
	32	1.49	0.820 - 2.16	1.49	11.4	93	98.9	

Rate of success: 96,8%





Vanillylmandelic Acid ($\mu\text{mol/l}$, N = 91)

Collective	Sam- ple	Target value	Target range	Participants collective			Rate (%)	
				AVG	CV	Num.	Sam.	total
all methods	31	52.8	29.0 - 76.6	52.8	9.39	91	96.7	95.6
	32	18.9	10.4 - 27.4	18.9	11.8	91	97.8	

Rate of success: 95,6%

