

PRODUCT INFORMATION

AU2353

1253UC

Please note that while Copper is present in 1253UC – Assayed Urine Control Level 3, targets and ranges are not provided for this analyte.

INC1862



ASSAYED URINE CONTROL - LEVEL 3 (URN ASY CONTROL 3)

CAT. NO.	AU 2353	LOT NO.	1253UC
SIZE:	12 x 10 ml	EXPIRY:	2026-11-28
GTIN:	05055273200546		

INTENDED USE

This product is intended for *in vitro* diagnostic use, in the quality control of urine on clinical chemistry systems. The Assayed Urine Controls are for the control of accuracy.

DEVICE DESCRIPTION

The Urine Controls are supplied at 2 levels, level 2 and 3. Target values and ranges are supplied for the following analytes at both levels; amylase, calcium, chloride, copper, cortisol, creatinine, dopamine, epinephrine, glucose, 5 hydroxy indole acetic acid, magnesium, metanephrine, microalbumin, norepinephrine (noradrenalin), normetanephrine, osmolality, oxalate, phosphorous inorganic, potassium, total protein, sodium, urea, uric acid and vanillylmandelic acid (VMA).

SAFETY PRECAUTIONS AND WARNINGS

For *in vitro* diagnostic use only. Do not pipette by mouth. Exercise the normal precautions required for handling laboratory reagents.

Human source material, from which this product has been derived, has been tested at donor level for the Human Immunodeficiency Virus (HIV I, HIV 2) antibody, Hepatitis B Surface Antigen (HbsAg), and Hepatitis C Virus (HCV) antibody and found to be NON-REACTIVE. FDA approved methods have been used to conduct these tests. However, since no method can offer complete assurance as to the absence of infectious agents, this material and all patient samples should be handled as though capable of transmitting infectious diseases and disposed of accordingly.

Health and Safety Data Sheets are available on request.

STORAGE AND STABILITY

OPENED: Store refrigerated (+2°C to +8°C). Reconstituted urine is stable for 8 hours at +15°C to +25°C and 5 days at +2°C to +8°C if kept capped in original container and free from contamination, or 14 days at -20°C. No stability claims are made for copper. Only the required amount of product should be removed. After use, any residual product should NOT BE RETURNED to the original vial.

PREPARATION AND STABILITY OF SAMPLES FOR: Catecholamines, VanillyImandelic Acid (VMA) and Oxalate:

These analytes are unstable in urine samples. Fifteen minutes after complete reconstitution of the urine, remove an aliquot and add 8 μ l of HCl (6M) per ml urine. Sample is stable for 5 days at +2°C to +8°C. For Oxalate measurement, it is recommended that EDTA be added to the urine sample at a concentration of 5 mg/10 ml material. This is to prevent the precipitation of Calcium Oxalate.

5-Hydroxyindole Acetic Acid (5-HIAA):

These analytes are unstable in urine samples. Fifteen minutes after complete reconstitution of the urine, remove an aliquot and add 10 μ l of Glacial Acetic Acid (17.4M) per ml of urine. Sample is stable for 7 days at +2°C to +8°C.

Please note that if Nitroso-Naphthol method is used for 5-HIAA, 12 μ l of HCI (6M) per ml of urine should be added to an aliquot of reconstituted urine. Sample is stable for 7 days at +2°C to +8°C. The addition of HCI is also recommended where 5-HIAA is assayed using HPLC methods with prior extraction.

UNOPENED: Store refrigerated (+2°C to +8°C). Stable to expiration date printed on individual vials.



PREPARATION FOR USE

The Assayed Urine Control is supplied lyophilised.

1. Carefully reconstitute each vial of lyophilised urine with exactly 10 ml of distilled water at +15°C to +25°C. Close the bottle and allow to stand for 30 minutes before use. Ensure contents are completely dissolved by swirling gently. Avoid formation of foam. Do not shake.

- 2. Refer to the Control section of the individual analyser application.
- 3. Refrigerate any unused material. Prior to reuse, mix contents thoroughly.

MATERIALS PROVIDED

Assayed Urine Control - Level 3 12 x 10 ml

MATERIALS REQUIRED BUT NOT PROVIDED

Volumetric pipette

ASSIGNED VALUES

Due to the variation caused by test equipment, test reagents and laboratory technique, the quoted ranges are provided for guidance. It is recommended that these ranges are used until each laboratory has established its own ranges, based on individual laboratory requirements.

Each batch of Assayed Urine Control is submitted to a number of external laboratories and values are assigned from a consensus of results obtained by these laboratories. With each batch, a control range is provided for individual parameters and each parameter method. The control range is equivalent to the assigned mean ± 2SD.

If a method is unavailable, contact Randox Laboratories - Technical Services, Northern Ireland, tel: +44 (0) 28 9445 1070 or email Technical.Services@randox.com.

EC REP

Randox Teoranta, Meenmore, Dungloe, Donegal, F94 TV06, Ireland

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ASSAYED URINE CONTROL - LEVEL 3 (URN ASY CONTROL 3)

Cat. No. AU2353 Lot. No. 1253UC

Size 12 x 10ml Expiry 2026-11-28

Cat. No. AU2353 Lot. No. 1253UC Size 12 X 10mi Expiry 2026-11-28							
Range							
Analyte	unit	Target	low	high	methods		
5-HIAA	µmol/l	287	230	344	HPLC		
Amylase	U/I	983	786	1180	Siemens - blocked pNPG7		
	U/I	931	745	1117	Randox Liquid Ethylidene pNPG7		
	U/I	777	622	932	Roche liquid pNPG7		
	U/I	880	704	1056	Beckman Coulter - blocked pNPG7		
	U/I	808	646	970	Roche Integra 2-chloro-pNPG7		
	U/I	1086	869	1303	Siemens 2-chloro-pNPG3		
	U/I	983	786	1180	Other 2-chloro-pNPG3		
	U/I	1015	812	1218	Abbott Architect IFCC Cal.		
	U/I	997	798	1196	Abbott Architect Non-IFCC Cal.		
	U/I	458	366	550	Vitros		
Calcium	mmol/l	4.51	4.06	4.96	NM-BAPTA		
	mg/dl	18.1	16.3	19.9			
	mmol/l	4.71	4.24	5.18	Cresolphthalein complexone		
	mg/dl	18.9	17.0	20.8			
	mmol/l	4.19	3.77	4.61	Arsenazo III		
	mg/dl	16.8	15.1	18.5			
	mmol/l	3.50	3.15	3.85	Vitros		
	mg/dl	14.0	12.6	15.4			
Chloride	mmol/l	245	208	282	Vitros		
	mmol/l	254	216	292	ISE indirect		
	mmol/l	251	213	289	ISE direct		
Cortisol	nmol/l	237	178	296	Chemiluminescence (direct)		
	µg/dl	8.53	6.41	10.7			
	nmol/l	236	177	295	Chemiluminescence (+ solvent extraction.)		
	µg/dl	8.50	6.37	10.6			
Creatinine	mmol/l	15.7	12.6	18.8	Other enzymatic methods		
	mg/dl	177	142	212			
	mmol/l	16.1	12.9	19.3	Roche Creatinine Plus		
	mg/dl	182	146	218			
	mmol/l	15.2	12.2	18.2	Vitros IDMS Traceable		
	mg/dl	172	138	206			
	mmol/l	15.7	12.6	18.8	Jaffe rate blanked compensated (-18 µmol/l)		
	mg/dl	177	142	212	,		
	mmol/l	15.4	12.3	18.5	Jaffe rate blanked		
	mg/dl	174	139	209			
	mmol/l	15.4	12.3	18.5	Jaffe rate blanked comp. (-26 µmol/l)		
	mg/dl	174	139	209			
	mmol/l	15.1	12.1	18.1	Alkaline picrate no deproteinization		
	mg/dl	171	137	205			
	mmol/l	15.8	12.6	19.0	Enzymatic UV method		
	mg/dl	179	142	216			
	ing/u	175	142	210			

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Cat. No. AU2353 Lot. No. 1253UC Size 12 x 10ml Expiry 2026-11-28						
Range						
Analyte	unit	Target	low	high	methods	
Creatinine	mmol/l	15.6	12.5	18.7	IDMS traceable	
	mg/dl	176	141	211		
	mmol/l	15.9	12.7	19.1	Creatinine PAP method	
	mg/dl	180	144	216		
Dopamine	nmol/l	1897	1518	2276	HPLC	
Epinephrine	nmol/l	366	293	439	HPLC	
Glucose	mmol/l	14.3	11.4	17.2	Hexokinase	
	mg/dl	258	205	311		
	mmol/l	13.9	11.1	16.7	Glucose oxidase	
	mg/dl	250	200	300		
	mmol/l	14.5	11.6	17.4	Vitros	
	mg/dl	261	209	313		
Magnesium	mmol/l	13.5	10.8	16.2	Chlorphosphonazo III	
	mg/dl	32.8	26.2	39.4		
	mmol/l	13.5	10.8	16.2	Vitros	
	mg/dl	32.8	26.2	39.4		
	mmol/l	13.5	10.8	16.2	Enzymatic	
	mg/dl	32.8	26.2	39.4		
	mmol/l	13.4	10.7	16.1	Methylthymol blue	
	mg/dl	32.6	26.0	39.2		
	mmol/l	13.2	10.6	15.8	Xylidyl Blue	
	mg/dl	32.1	25.8	38.4		
	mmol/l	13.5	10.8	16.2	Arsenazo III	
Matan askaina	mg/dl	32.8	26.2	39.4		
Metanephrine Microalburgin	µmol/l	2.56	2.05	3.07	HPLC	
Microalbumin	mg/l	183	146	220	Nephelometric	
Neveninenkvine	mg/l	173	138	208		
Norepinephrine	nmol/l	1485	1188	1782	HPLC	
Normetanephrine Osmolality	µmol/l	4.07	3.26	4.88	HPLC Calculated	
Osmolality	mOsm/kg	1076	861	1291		
Oxalate	mOsm/kg mmol/l	0.440	899 0.352	1349 0.528	Freezing point depression Oxalate oxidase	
Phosphate Inorganic		27.2	21.8	32.6	Beckman PHOSm (365nm)	
i nospitate morganic	mg/dl	84.3	21.6 67.6	32.0 101	Becknan Phosin (Sosinii)	
	mmol/l	28.1	22.5	33.7	Vitros	
	mg/dl	20.1 87.1	69.8	33.7 104	VILOS	
	mmol/l	26.8	21.4	32.2	Phosphomolybdate enzymatic	
	mg/dl	20.0 83.1	21.4 66.3	32.2 100	r nosphomolybuate enzymatic	
	mmol/l	26.7	21.4	32.0	Phosphomolybdate UV	
	mg/dl	82.8	21.4 66.3	99.3		
Potassium	mmol/l	134	114	154	Vitros	
	mmol/l	123	105	134	ISE direct	
	mmol/l	123	103	140	ISE indirect	
Protein Total	g/l	0.260	0.208	0.312	Biuret reaction - direct	
	mg/dl	26.0	20.8	31.2		
	mg/l	260	20.8	31.2		
	ilig/i	200	200	512		

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ASSAYED URINE CONTROL - LEVEL 3 (URN ASY CONTROL 3)

Cat. No. AU2353 Lot. No. 1253UC Size 12 x 10ml Expiry 2026-11-28 Range methods Analyte unit Target low high **Protein Total** g/l 0.230 0.184 0.276 Turbidimetry 27.6 mg/dl 23.0 18.4 230 184 276 mg/l g/l 0.108 0.090 0.072 Vitros 9.00 7.20 10.8 mg/dl mg/l 90.0 72.0 108 0.160 0.128 0.192 Siemens UCFP Reagent g/l 12.8 19.2 mg/dl 16.0 mg/l 160 128 192 Sodium 176 224 **ISE** direct mmol/l 200 mmol/l 217 191 243 Vitros 202 178 226 **ISE** indirect mmol/l Urea 334 502 mmol/l 418 Vitros mg/dl 2512 2007 3017 344 516 Urease end point mmol/l 430 mg/dl 2584 2067 3101 342 514 Urease kinetic mmol/l 428 3089 mg/dl 2572 2055 Uric Acid (Urate) mmol/l 1.39 1.11 1.67 Ortho Vitros Microslide Systems mg/dl 23.4 18.6 28.2 mmol/l 1.36 1.09 1.63 Uricase Peroxidase with ascorbate oxidase @ 546nm mg/dl 22.8 18.3 27.3 1.66 1.38 1.10 Uricase peroxidase with ascorbate oxidase mmol/l mg/dl 23.2 18.5 27.9 1.39 1.11 1.67 Uricase peroxidase no ascorbate oxidase mmol/l 23.4 18.6 28.2 mg/dl mmol/l 1.48 1.18 1.78 Spectrophotometric at 280-290 mg/dl 24.9 19.8 30.0 Vanillylmandelic Acid 122 HPLC µmol/l 153 184 (VMA) µmol/l 141 113 169 Column test