

EUM02042 – 6-Levels Calibrators, lyophil.

LYOPHILIZED CALIBRATORS

FOR DRUGS OF ABUSE IN URINE

Ref. EUM02042

Lot. M0242XXXX



XX/XXXX



Intended use:

EUM02042 is a lyophilized calibrator used for the calibration of the analytical system. Calibrator is available in 6 concentration levels (Cal0 - Cal5). It consists of lyophilized human urine to which an aliquot of solutions containing drugs and metabolites is added before use. After reconstitution, calibrators should be handled in the same way as a real sample.

Reconstitution:

Centrifuge 2 min at 10-12000 rpm screw-cap vials containing solutions of concentrated calibrator solutions. Carefully remove the rubber cup from the vial and add exactly 0.6 mL of bi-distilled water. Close the vials and allow it to stand at room temperature for 10-15 min. Its content should be shaken and melted until completely blended. At each calibration level, 20 µL taken from the corresponding solutions contained in the screw cap tubes are added. In order to ensure a proper homogenization, mix gently for reversal before use.

Storage and stability:

Storage: -20 °C. Keep it away from light and heat.

Stability:

- Before reconstitution: until the expiry date on the label has been reached
- After reconstitution: 7 days if well preserved and away from the light at + 2 - 8 °C

Packaging:

Calibrators:

Lyophilized human urine – Drugs of Abuse in Urine; Levels 0-5, 3 x 6 x 0.6 mL

Liquid concentrated calibrators – Drugs of Abuse in Urine; Levels 0-5, 1 x 6 x 100 µL

Catalogue number: EUM02042

Precautions for use:

This product may contain unknown infectious agents and for this reason, it's recommended to handle the product using adequate safety measures.

Calibration levels and concentrations after spiking with concentrated solutions*:

ANALYTE	UNIT OF MEASUREMENT	CAL 0	CAL 1	CAL 2	CAL 3	CAL 4	CAL 5
Amphetamines							
Amphetamine	µg/L	0.00	47.0	93.7	188	750	1500
Methamphetamine	µg/L	0.00	47.0	93.7	188	750	1500
MDA	µg/L	0.00	47.0	93.7	188	750	1500
MDE	µg/L	0.00	47.0	93.7	188	750	1500
MDMA	µg/L	0.00	47.0	93.7	188	750	1500
MBDB	µg/L	0.00	47.0	93.7	188	750	1500
Cocaine-Metabolites							
Cocaine	µg/L	0.00	28.0	56.0	112	450	900
BEG	µg/L	0.00	28.0	56.0	112	450	900
EME	µg/L	0.00	28.0	56.0	112	450	900
Coca ethiyene	µg/L	0.00	28.0	56.0	112	450	900
Opiates							
Morphine	µg/L	0.00	14.0	28.0	56.3	225	450
Morphine 3-Glucuronide	µg/L	0.00	14.0	28.0	56.3	225	450
Codeine	µg/L	0.00	28.0	56	112	450	900
Dihydrocodeine	µg/L	0.00	28.0	56	112	450	900
6-MAM	µg/L	0.00	4.67	9.33	18.7	75	150
Cannabinoids							
THC-COOH	µg/L	0.00	7.50	15.0	30.0	120	240
Substitution drugs							
Methadone	µg/L	0.00	28.0	56.3	112	450	900
EDDP	µg/L	0.00	28.0	56.3	112	450	900
Buprenorphine	µg/L	0.00	2.81	5.63	11	45	90
Norbuprenorphine	µg/L	0.00	2.81	5.63	11	45	90
Other							
Ketamine	µg/L	0.00	28.1	56.3	112	450	900
Norketamine	µg/L	0.00	28.1	56.3	112	450	900
4-ANPP	µg/L	0.00	0.47	0.94	1.87	7.50	15.0
LSD	µg/L	0.00	0.26	0.52	1.03	4.17	8.33

* The above-mentioned concentrations are referred exclusively to EUM02042 with batch M0242XXXX and expiry date XX/XXXX.