

EUM08042 – 6-Levels Calibrators, lyophil.

LYOPHILIZED CALIBRATORS

FOR DRUGS OF ABUSE IN WHOLE BLOOD

Ref. EUM08042

Lot. M0842XXXX



XX/XXXX



Intended use:

EUM08042 is a lyophilized calibrator useful for the calibration of the analytical system. Calibrator has 6 concentration levels (Cal0 - Cal5). It is based on lyophilized human whole blood to which an aliquot of solutions containing drugs and metabolites is added before use. After following reconstitution instructions, calibrators should be handled in the same way as real samples.

Reconstitution and spiking:

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. After the spike allow the vials to equilibrate for 15 minutes. In order to ensure a proper homogenization, mix gently for reversal before use.

Storage and stability:

Storage: stock at -20 °C avoiding direct light and heat exposure.

Stability:

- Before reconstitution: until the expiry date on the label has been reached.
- After reconstitution: 24 h if well closed and avoided direct light exposure at +2 - 8 °C

Packaging:

Calibrators:

Lyophilized human whole blood – Drugs of Abuse in Whole Blood; Levels 0-5, 3 x 6 x 0.6 mL

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

Catalogue number: EUM08042

Precautions for use:

After some analysis, original components have been found negative for HBsAG and for antibodies against HCV, HBc, HIV-1 and HIV-2. 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	5.00	10.0	25.0	50.0	100
Methamphetamine	µg/L	0.00	5.00	10.0	25.0	50.0	100
MDA	µg/L	0.00	5.00	10.0	25.0	50.0	100
MDE	µg/L	0.00	5.00	10.0	25.0	50.0	100
MDMA	µg/L	0.00	5.00	10.0	25.0	50.0	100
MBDB	µg/L	0.00	5.00	10.0	25.0	50.0	100
Cocaine-Metabolites							
Cocaine	µg/L	0.00	5.00	10.0	25.0	50.0	100
BEG	µg/L	0.00	5.00	10.0	25.0	50.0	100
EME	µg/L	0.00	5.00	10.0	25.0	50.0	100
Coca ethylene	µg/L	0.00	5.00	10.0	25.0	50.0	100
Opiates							
Morphine	µg/L	0.00	5.00	10.0	25.0	50.0	100
Codeine	µg/L	0.00	5.00	10.0	25.0	50.0	100
Dihydrocodeine	µg/L	0.00	5.00	10.0	25.0	50.0	100
6-MAM	µg/L	0.00	5.00	10.0	25.0	50.0	100
Cannabinoids							
THC	µg/L	0.00	1.00	2.00	5.00	10.0	20.0
THC-OH	µg/L	0.00	1.00	2.00	5.00	10.0	20.0
THC-COOH	µg/L	0.00	1.00	2.00	5.00	10.0	20.0
Substitution drugs							
Methadone	µg/L	0.00	5.00	10.0	25.0	50.0	100
EDDP	µg/L	0.00	5.00	10.0	25.0	50.0	100
Buprenorphine	µg/L	0.00	1.00	2.00	5.00	10.0	20.0
Norbuprenorphine	µg/L	0.00	1.00	2.00	5.00	10.0	20.0
Other							
Ketamine	µg/L	0.00	5.00	10.0	25.0	50.0	100
LSD	µg/L	0.00	0.10	0.20	0.50	1.00	2.00

* The above-mentioned concentrations are referred exclusively to EUM08042 lot M0842XXXX expiring on XX/XXXX.