

EUM23041 - 7-Levels Calibrators lyophil.

LYOPHILIZED CALIBRATORS IN PLASMA
FOR BIOGENIC AMINES

Ref. EUM23041

Lot. M2341XXXX



XX/XXXX



Intended use:

EUM23041 is the lyophilized calibrator used for the calibration of the analytical system. The calibrator is available in 7 levels (Cal0 – Cal6) and consists of human plasma. After reconstitution, calibrators should be handled in the same way as a real sample.

Reconstitution:

Carefully remove the rubber stopper from the bottle and add exactly 1.0 mL of bi-distilled water. Cap the bottles and let stand for 10-15 minutes at room temperature. Shake and dissolve the contents until homogeneity. To ensure proper homogenization, mix gently by inversion 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: 3 days if well preserved and away from the light at +2 - 8°C
up to 7 days if well preserved and away from the light at -20°C

Packaging:

Calibrators, lyophilized human plasma - For Biogenic Amines; Levels 0-6, 2 x 7 x 1.0 mL
Catalogue number: EUM16041

Precaution for use:

This product is based on no reactive human serum with antibodies against HIV 1+2, HCV, HBV-DNA, HBs antigen, and HBc. There is a possible risk of infection with biological agents since there are no test able to grant absolute certainty that products that contain human fluids are infective agent free. This product may contain unknown infectious agents or pathogens and test may not exist. For all these reasons, it's recommended to handle this product wearing protective glasses, lab garments and chemical-biological resistant disposable gloves.

Calibrators concentration values:

Average concentrations and analytes included in calibrators: *

ANALYTE	UNIT OF MEASUREMENT	CAL 0	CAL 1	CAL 2	CAL 3	CAL 4	CAL 5	CAL 6
Adrenaline	ng/L	0.00	50.0	100	250	500	1000	2000
Noradrenaline	ng/L	0.00	200	400	1000	2000	4000	8000
Dopamine	ng/L	0.00	20.0	40.0	100	200	400	800
Metanephrine	ng/L	0.00	20.0	40.0	100	200	400	800
Normetanephrine	ng/L	0.00	50.0	100	250	500	1000	2000
3-Methoxytyramine	ng/L	0.00	10.0	20.0	50.0	100	200	400
Serotonin	µg/L	0.00	50.0	100	250	500	1000	2000
L-DOPA	µg/L	0.00	2.50	5.00	12.5	25.0	50.0	100

ANALYTE	UNIT OF MEASUREMENT	CAL 0	CAL 1	CAL 2	CAL 3	CAL 4	CAL 5	CAL 6
Adrenaline	nmol/L	0.00	0.27	0.55	1.36	2.73	5.46	10.9
Noradrenaline	nmol/L	0.00	1.18	2.36	5.91	11.8	23.6	47.3
Dopamine	nmol/L	0.00	0.13	0.26	0.65	1.31	2.61	5.22
Metanephrine	nmol/L	0.00	0.10	0.20	0.51	1.01	2.03	4.06
Normetanephrine	nmol/L	0.00	0.27	0.55	1.36	2.73	5.46	10.9
3-Methoxytyramine	nmol/L	0.00	0.06	0.12	0.30	0.60	1.20	2.39
Serotonin	µmol/L	0.00	0.28	0.57	1.42	2.84	5.67	11.4
L-DOPA	nmol/L	0.00	12.6	25.3	63.3	127	253	506

* The above-mentioned concentrations are referred exclusively to EUM23041 with batch M2341XXXX and expiry date XX/XXXX.