

## **EUM01041 – 7-Levels Calibrators, lyophil.**

LYOPHILIZED CALIBRATORS IN SERUM  
FOR STEROID HORMONES

Ref. EUM01041  
Lot. M0141XXXX  
 XX/XXXX  
 

### **Intended use:**

EUM01041 is a lyophilized calibrator used for the calibration of the analytical system. Calibrator is available in 7 concentration levels (Cal0 – Cal6). 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:**

Carefully remove the rubber cap 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 homogenisation, 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: 10 days if well preserved and away from the light at + 2 - 8 °C  
till 3 months if well stored and away from light at -20 °C

### **Packaging:**

Calibrators, lyophilized human serum - For Steroids; Levels 0-6, 2 x 7 x 1 mL  
Catalogue number: EUM01041

### **Precautions for use:**

This product was obtained from human serum non-reactive in anti-HIV 1+2, anti-HCV, HBV-DNA, HBsAg and anti-HBc tests. Since there are no tests capable of giving absolute certainty that products containing human fluids are free from infectious agents, a possible risk of infection from a biological agent must be considered. This product may also contain unknown infectious agents or pathogens for which there is no analytical test. For all these reasons it is recommended to handle this product wearing laboratory goggles, protective clothing and disposable gloves resistant to chemical-biological agents.

## Calibrators concentration values:

Concentrations of the analytes included in the calibrators: \*

ANALYTE	UNIT OF MEASUREMENT	CAL 0	CAL 1	CAL 2	CAL 3	CAL 4	CAL 5	CAL 6
Aldosterone	ng/mL	0.00	0.03	0.06	0.25	1.00	2.00	8.00
Androstenedione	ng/mL	0.00	0.05	0.09	0.38	1.50	3.00	12.0
Corticosterone	ng/mL	0.00	0.19	0.38	1.50	6.00	12.0	48.0
Cortisol	ng/mL	0.00	5.86	11.7	46.9	188	375	1500
11-Deoxycortisol	ng/mL	0.00	0.05	0.09	0.38	1.50	3.00	12.0
DHEA	ng/mL	0.00	0.19	0.38	1.50	6.00	12.0	48.0
Progesterone	ng/mL	0.00	0.05	0.09	0.38	1.50	3.00	12.0
17OH-Progesterone	ng/mL	0.00	0.19	0.38	1.50	6.00	12.0	48.0
DHEAS	ng/mL	0.00	30.0	60.0	234	938	1875	7500
Testosterone	ng/mL	0.00	0.05	0.09	0.38	1.50	3.00	12.0

ANALYTE	UNIT OF MEASUREMENT	CAL 0	CAL 1	CAL 2	CAL 3	CAL 4	CAL 5	CAL 6
Aldosterone	nmol/L	0.00	0.08	0.17	0.69	2.77	5.54	22.2
Androstenedione	nmol/L	0.00	0.18	0.31	1.33	5.24	10.5	41.9
Corticosterone	nmol/L	0.00	0.55	1.10	4.34	17.3	34.7	139
Cortisol	nmol/L	0.00	16.2	32.3	129	519	1035	4140
11-Deoxycortisol	nmol/L	0.00	0.15	0.26	1.10	4.34	8.67	34.7
DHEA	nmol/L	0.00	0.66	1.32	5.21	20.8	41.6	167
Progesterone	nmol/L	0.00	0.16	0.27	1.21	4.77	9.54	38.2
17OH-Progesterone	nmol/L	0.00	0.58	1.15	4.55	18.2	36.4	145
DHEAS	nmol/L	0.00	81.3	163	634	2542	5081	20325
Testosterone	nmol/L	0.00	0.17	0.31	1.32	5.21	10.4	41.6

\* The above-mentioned concentrations are referred exclusively to EUM01041 with batch M0141XXXX and expiry date XX/XXXX.