

CORMAY MICROALBUMIN CALIBRATOR

CALIBRATOR FOR DETERMINATION OF ALBUMIN CONCENTRATION IN URINE AND CEREBROSPINAL FLUID



Kit name	Kit size	Cat. No
CORMAY MICROALBUMIN CALIBRATOR	1 x 2 ml	5-193

INTRODUCTION

Albumin is a protein that is formed within the liver and it makes up approximately 60% of the serum protein. Normally only small amounts of albumin are filtered through the renal glomeruli, and that small quantity can be reabsorbed by the renal tubules. In that case there is a low albumin concentration in the urine. When renal disorders appear, level of urine albumin increase but remains still undetectable by routine screening tests (microalbuminuria). The appearance of low but abnormal levels (30-300 mg/24h) of albumin in the urine is an early clinical evidence of nephropathy (mostly diabetic) and cardiovascular disorders.

INTENDED USE

CORMAY MICROALBUMIN CALIBRATOR is designed for use as a calibrator for determination of albumin concentration in urine and cerebrospinal fluid with immunoturbidimetric method.

PROCEDURE

Before every use calibrator should be mixed by gently inverting the vial.

For analysis on automatic analysers prepare a dilution series of the calibrator using 0.9% NaCl as follows:

CORMAY MICROALBUMIN CALIBRATOR Lot: 610-23					
Dilution	1/16	1/8	1/4	1/2	neat
Dilution factor	0.0625	0.125	0.25	0.5	1
Albumin concentration (mg/l)	17.9	35.9	71.8	143.5	287

In case of analysis on **Hitachi 912** analyser, dilution of calibrator are made automatically and in analyser's application, in calibration rules, below values should be entered:

CORMAY MICROALBUMIN CALIBRATOR Lot: 610-23	
Calibrator	Concentration
1	0 mg/l (0.9% NaCl)
2	17.9 mg/l
3	35.9 mg/l
4	71.8 mg/l
5	143.5 mg/l
6	287 mg/l

For manual analysis undiluted calibrator should be used.

STABILITY AND STORAGE

Tightly closed calibrator is stable at 2-8°C until the expiry date printed on the package.

Once opened, calibrator is stable for 4 weeks when stored at 2-8°C.

WARNINGS AND NOTES

- Product for in vitro diagnostic use only.
- The calibrator must be used only for the purpose intended by suitably qualified laboratory personnel, under appropriate laboratory conditions.
- Do not use after expiry date.
- Do not interchange the caps.
- Calibrator's value is lot-specific.
- Calibrator is based on human serum that has been tested for HBsAg and antibodies to HIV and HCV and found to be non-reactive. However this material should be handled as though capable of transmitting infectious disease.
- The calibrator contains < 0.1% sodium azide as a preservative. Avoid contact with skin and mucous membranes.

TRACEABILITY

The calibrator's value is assigned referring to the CRM470 reference material.

WASTE MANAGEMENT

Please refer to local legal requirements.

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MANUFACTURER

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