

CORMAY THEOPHYLLINE CALIBRATORS

CALIBRATORS FOR DETERMINATION OF THEOPHYLLINE CONCENTRATION



Kit name	Kit size	Cat. No
CORMAY THEOPHYLLINE CALIBRATORS	6 x 1 ml	5-109

INTRODUCTION

Theophylline is used mainly in the treatment of asthma and obstructive lung diseases. It has anti-inflammatory, diuretic and diastolic effect: dilate bronchi, blood vessels and bile ducts. The mechanism of theophylline action at the cellular level is complex and not fully understood. Theophylline concentration in serum depends on its absorption, metabolism, concomitant treatment. Monitoring theophylline level in serum is recommended both in the treatment of chronic diseases and acute conditions. It allows establish an individual therapeutic range to reduce side effects and the risk of overdose.

CORMAY THEOPHYLLINE CALIBRATORS kit is intended for calibration of theophylline determinations on automatic analysers. The calibrators are prepared from human serum with added concentrations of theophylline. The concentrations of calibrators are printed on the label of the each vial and in this kit insert.

PACKAGE

	Size	Concentration
CALIBRATOR 1	1 x 1 ml	0 µg/ml
CALIBRATOR 2	1 x 1 ml	2.5 µg/ml
CALIBRATOR 3	1 x 1 ml	5.0 µg/ml
CALIBRATOR 4	1 x 1 ml	10 µg/ml
CALIBRATOR 5	1 x 1 ml	20 µg/ml
CALIBRATOR 6	1 x 1 ml	40 µg/ml

STABILITY AND STORAGE

Calibrators are stable at 2-8°C until the expiration date printed on the package.

Protect from contamination and light!

PROCEDURE

Calibrators are ready to use.

Mix calibrators gently and accurately before use.

WARNINGS AND NOTES

- Products for in vitro diagnostic use only.
- Calibrators should be used by suitably qualified laboratory personnel only in accordance with intended purpose.
- The reagents contain sodium azide as a preservative (< 0.1%). Avoid contact with skin and mucous membranes. Sodium azide can form high explosive metal azide combinations with lead and copper. Drains should be flushed well with a large amount of water when discarding the solution.
- The calibrator is based on human serum that has been tested for the HIV antibody, HBsAg and HCV and found to be non-reactive. However this material should be handled as though capable of transmitting infectious disease.

TRACEABILITY

Concentrations of calibrators are prepared referring to the Theophylline United States Pharmacopoeia Reference Standard.

WASTE MANAGEMENT

Please refer to local legal requirements.

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MANUFACTURER

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