

CORMAY PHENOBARBITAL CALIBRATORS

CALIBRATORS FOR DETERMINATION OF PHENOBARBITAL CONCENTRATION



Kit name	Kit size	Cat. No
CORMAY PHENOBARBITAL CALIBRATORS	6 x 1 ml	5-111

INTRODUCTION

Phenobarbital is an anticonvulsant used in generalized tonic - clonic and partial seizures. It has sedative and sleep-inducing properties, it also reduces smooth muscles tension. Phenobarbital is a derivative of barbituric acid. It potentiates the inhibitory effect of neurotransmitter GABA, in high doses works like GABA analogue. Phenobarbital is excreted unchanged with the urine - about 25% and also is metabolized in the liver (the remaining amount) to *p*-hydroxyphenobarbital, which is largely excreted as glucuronide or sulfate ester. Phenobarbital concentration in serum depends on its absorption and metabolism, disease state, concomitant treatment. Monitoring phenobarbital concentration helps to establish the most effective and safest individual dosage.

CORMAY PHENOBARBITAL CALIBRATORS kit is intended for calibration of phenobarbital determinations.

The calibrators are prepared from human serum with added concentrations of phenobarbital. 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	5 µg/ml
CALIBRATOR 3	1 x 1 ml	10 µg/ml
CALIBRATOR 4	1 x 1 ml	20 µg/ml
CALIBRATOR 5	1 x 1 ml	40 µg/ml
CALIBRATOR 6	1 x 1 ml	80 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 Phenobarbital United States Pharmacopoeia Reference Standard.

WASTE MANAGEMENT

Please refer to local legal requirements.

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MANUFACTURER

PZ CORMAY S.A.
ul. Wiosenna 22,
05-092 Łomianki, POLAND
tel.: +48 (0) 81 749 44 00
fax: +48 (0) 81 749 44 34
<http://www.pzcormay.pl>