

CORMAY PROCALCITONIN CALIBRATORS



CALIBRATORS FOR DETERMINATION OF PROCALCITONIN CONCENTRATION

Kit name	Kit size	Cat. No
CORMAY PROCALCITONIN CALIBRATORS	6 x 1 ml	5-136

INTRODUCTION

Procalcitonin (PCT) is a 116 amino acid protein, the prohormone of calcitonin. Whereas hormonally active calcitonin is produced exclusively in the C-cells of the thyroid gland after specific intracellular proteolytic procession of the prohormone PCT, PCT is ubiquitously and uniformly expressed in multiple tissues throughout the body in response to sepsis. In healthy conditions, the PCT levels in the circulation are very low (< 0.05 ng/ml). Elevated circulating levels of PCT are important indicators in response to microbial infections and a powerful tool in the early detection of sepsis.

CORMAY PROCALCITONIN CALIBRATORS kit is dedicated for calibration of procalcitonin determinations in human serum and plasma on automatic analysers.

Calibrators are supplied in lyophilized form (6 vials).

The concentration of calibrators are printed on the label of the each vial (ng/ml).

The PCT concentration of a specimen is automatically calculated from the calibration curve.

PACKAGE

	Size
CALIBRATOR LEVEL 0	1 x 1 ml
CALIBRATOR LEVEL 1	1 x 1 ml
CALIBRATOR LEVEL 2	1 x 1 ml
CALIBRATOR LEVEL 3	1 x 1 ml
CALIBRATOR LEVEL 4	1 x 1 ml
CALIBRATOR LEVEL 5	1 x 1 ml

RECONSTITUTION

- Carefully open the vial and add exactly **1ml of cold (2-8°C) deionized water**.
- Close the vial with a rubber cap and incubate for **5 minutes** at room temperature, away from light.
- Mix **gently** by inverting and swirling until thoroughly dissolved.
- Mix carefully before each use.

Do not shake! Avoid the formation of bubbles!

STABILITY AND STORAGE

- Unopened vials containing the lyophilised calibrator, stored at 2-8°C, are stable up to the expiry date printed on the package.
- Reconstituted calibrators are stable for:
 - 24 hours at room temperature,
 - 7 days when stored at 2 – 8°C,
 - 3 months when stored at –20°C (aliquots).

Reconstituted aliquots are stable after 3 freeze/thaw cycles.

- The calibrators should be stored tightly capped.

WARNINGS AND NOTES

- Product for in vitro diagnostic use only.
- Calibrators must be used only for the intended purpose, by suitably qualified laboratory personnel, under appropriate laboratory conditions.
- Do not use after expiry date.
- The calibrators are 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 thought capable of transmitting infectious disease.
- The calibrators contain < 0.1% sodium azide as a preservative. Avoid contact with skin, eyes and mucous membranes.

TRACEABILITY

Procalcitonin calibrators are prepared referring to the Primary Internal Master.

WASTE MANAGEMENT

Please refer to local legal requirements.

LITERATURE:

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MANUFACTURER

PZ CORMAY S.A.
22 Wiosenna Street,
05-092 Łomianki, POLAND
tel.: +48 (0) 22 751 79 10
fax: +48 (0) 22 751 79 14
<http://www.cormay.pl>