EUROMEDEX

p-Nitrophenyl Phosphate Substrate (pNPP)

Article no.	Product name	Pack size
EU1-2001-100	*p*-Nitrophenyl phosphate, 5 mg	100 tablets
EU1-2001-24	*p*-Nitrophenyl phosphate, 5 mg	24 tablets
EU1-2020-100	*p*-Nitrophenyl phosphate, 20 mg	100 tablets
EU1-2020-24	pNPP, 20 mg	24 tablets

Features

- Formulated from analytical grade reagents
- Specifically developed for immunoassays
- Chromogenic substrate
- Reproducibility from lot to lot
- Exactly pre-weighed tablets

Product description

pNPP substrate is specifically developed for immunoassay procedures and it is ideal for phosphate-based ELISA methods. The substrate is also used as a chromogenic non-specific substrate in alkaline and acid phosphatase assays. Its soluble end-product is yellow and can be spectrophoto- metrically read at 405 to 410 nm. The reaction may be stopped with 3 M NaOH.

The pNPP substrate is supplied as pre-weighed tablets in bottles or in convenient blister packs, each tablet containing 5 mg or 20 mg of substrate.

Applications

- Immunoassays
- Chromogenic substrate for phosphatase assays
- Histochemistry procedures
- Recommended for ELISA procedures

Directions for use

Deposit one tablet of the pNPP substrate in a laboratory flask or beaker placed on a magnetic stirrer. Add deionized water in the appropriate amount to reach the required concentration for the assay. Stir until full dissolution and the substrate solution is ready to use.

Specifications	
Chemicals	Analytical grade
Format	Exactly pre-weighed tablets
Weight	5 mg and 20 mg
Shelf life	Three years after production date

Shipping and storage

The pNPP substrate is shipped at room temperature. Store the tablets in a dark place below -18°C. Shelf life is three years.

Tips and hints

If the tablet is not properly dissolved, make sure:
- the water temperature is 25°C (do not exceed this temperature)
- the solution is properly stirred.

Certifications

Each stage of the manufacturing process is controlled and monitored by stringent quality control procedures to guarantee the highest possible quality and lot-to-lot reproducibility.

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