

pNPP tablets to Ready-to-use pNPP

CHROMOGENIC SUBSTRATES

Change from pNPP Tablets to Ready-to-use pNPP

pNPP (p-nitrophenylphosphate) is a chromogenic substrate for Alkaline Phosphatase (AP). In the presence of AP, pNPP is hydrolyzed rapidly to p-nitrophenol and inorganic phosphate. Liberated p-nitrophenol is seen as a clear yellow color that is measured at 405/620 nm.

Historically, pNPP tablets were the only available substrate. Kementec has developed liquid pNPP substrates, which are highly sensitive, ready-to-use (RTU) and - due to their rapid reaction rates - ideally suited for kinetic analysis.

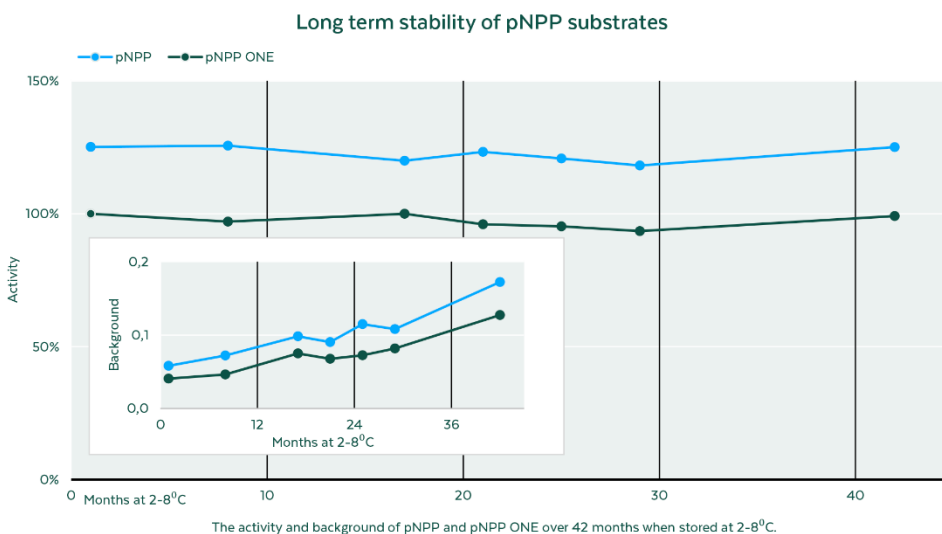
pNPP (cat.no. 4400) highly active and gives superior results due to its sensitivity, allowing very low detection limits. pNPP ONE (cat. no. 4401) shows superior background characteristics due to its high temperature robustness and is recommended in hot climate countries.

Benefits of changing to RTU pNPP

The switch from pNPP tablets to a liquid format of pNPP is relatively easy. You may find it necessary to fine-tune the concentration of your conjugate or the length of incubation to achieve the exact same sensitivity.

	pNPP tablets	RTU pNPP
Background	<=120 mAbs	<80 mAbs
ECO-TEK	No	Yes
Ready-to-use (RTU)	No	Yes
Non-Hazardous stop solution	No	Yes (0.1 M NaOH)
Customization	No	Yes
Stability	~2 years	~3 years
Storage	-20° C	2-8° C

Please, feel free to contact us for pNPP samples and technical support.



ECO-TEK®

Our Immunoassay Solutions are eco-friendly, creating a healthy work environment and preserving natural resources, while helping our customers fulfill significant regulatory requirements.

We call it ECO-TEK.

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