BioFX® AP-Yellow One Component Microwell Substrate (pNPP) with Stabilizing Pellets

Product insert

Product number:

PNPS-0100-01 (100 mL)
PNPS-1000-01 (1000 mL)

Intended use:

BioFX® AP-Yellow One Component Microwell Substrate with Stabilizing Pellets contains *p*-nitrophenylphosphate (p-NPP) and is supplied as a one component solution for immunoassay applications. A soluble yellow product is obtained when this substrate is reacted with phosphatase. (Covered under U.S. Patent No. 7,001,717)

Product stability, storage and specifications:

Product stability	3 years from the date of manufacture.
Storage	2-8°C
Specification	The product has performed within its specifications when placed at room temperature (25°C) for 2-3 days. Product performance has been shown to be within specifications following 5 freeze-thaw cycles. This substrate is light sensitive and should be protected from direct ultraviolet sources.

Recommendations for use:

The product should be allowed to equilibrate to room temperature (25°C) prior to use. Unreacted substrate should be colorless to pale yellow in appearance and the removal of stabilizing pellets is not recommended.

1) Add 100-200 µL of substrate solution to each microwell.
2) A soluble yellow reaction product develops which can be read in the range of 405-420 nm.
    - For best results, sample absorbance values should be monitored and read before absorbance values exceed 2.0 OD units.
    - In endpoint assays, the substrate reaction can be stopped using an equal volume of AP Stop Reagent or 50 µL of 3 N NaOH per 200 µL of substrate.

Additional considerations:

Dilution of the substrate is not recommended. It is recommended that the antibodies or conjugates be diluted to reduce the intensity of the reaction.

The substrate is not recommended for membrane or immunohistochemical applications that require a precipitating reaction product.

For technical assistance, email ivdtechsupport@surmodics.com

Related products:

BioFX® AP Stop Solution (APSR)
StabilZyme® AP Conjugate Stabilizer (SA01)
StabilZyme Protein-Free AP Stabilizer (SAPF)
StabilCoat® Immunoassay Stabilizer (SC01)
StabilGuard® Immunoassay Stabilizer (SG01)

9924 West 74th Street Eden Prairie, MN 55344 phone 952-500-7200 fax 952-500-7201 www.surmodics.com

All products listed are for research use or for further manufacturing into *in vitro* diagnostic reagents. The products are not intended for use in humans or animals. Sales are without any seller's warranty or representation, expressed or implied, by usage or otherwise; no claims beyond replacement of product not meeting specifications or refund of purchase price shall be allowed. All claims must be made within 30 days following date of delivery.

9924 West 74th Street Eden Prairie, MN 55344 phone 952-500-7200 fax 952-500-7201 www.surmodics.com