

## Datasheet: BUF044A

**BATCH NUMBER 163285**

<b>Description:</b>	pNPP
<b>Name:</b>	pNPP
<b>Format:</b>	Ready To Use
<b>Product Type:</b>	Accessory Reagent
<b>Quantity:</b>	100 ml

### Product Details

#### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			Neat

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

#### Product Form

Ready to use - liquid

#### Preservative Stabilisers

None present.

#### Intended Use

BUF044A is a high performance p-nitrophenol phosphate (pNPP) solution, recommended for use in ELISA as a substrate for alkaline phosphatase (AP). In the presence of AP, pNPP is hydrolyzed rapidly to p-nitrophenol and inorganic phosphate to produce a yellow solution.

This ready to use solution has been carefully formulated to increase pNPP activity and stability. BUF044A may be used for both kinetic and endpoint tests.

#### Instructions For Use

1. Remove the pNPP substrate container from the refrigerator, and allow it to reach room temperature prior to use.
2. Add 100ul of BUF044A per microtiter well. Development time is typically 15-30 minutes. Optimum time is determined by the user and will vary according to the procedure and the incubation temperature.

3. For kinetic tests, measure absorbance at 405nm. For endpoint tests, add 100ul 1.0M sodium hydroxide solution to each well and mix thoroughly prior to measuring absorbance at 405nm /650nm.

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**Storage**

Store at +4°C. DO NOT FREEZE.

This product is photosensitive and should be protected from light.

Avoid exposure to light and heat

Store aliquots in bottles made of High Density Polyethylene (HDPE).

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**Guarantee**

Guaranteed until date of expiry. Please see product label.

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**Health And Safety Information**

Material Safety Datasheet documentation #10105 available at:  
<https://www.bio-rad-antibodies.com/SDS/BUF044A>  
10105

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**Regulatory**

For research purposes only

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