

# Certificate of Analysis

## PI:PS Lipid Kinase Substrate, 800 nmol



**Part Number:** PV5122  
**Lot Number:** 1160504D  
**Immediate Storage:** -20°C  
**Shipping Conditions:** dry ice

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### Description:

Large unilamellar vesicles consisting of 2 mM Soy PI (L- $\alpha$ -Phosphatidylinositol) and 18 mM 16:0-18:1 PS (1-Palmitoyl-2-Oleoyl-sn-Glycero-3-[Phospho-L-Serine]).

### Concentration:

2 mM PI, 18 mM PS

### Typical Usage:

In an Adapta® Assay the PI:PS Lipid Kinase Substrate is typically used at 100  $\mu$ M in the 10  $\mu$ L kinase reaction. **For the Adapta® Universal Kinase Assay, the concentration of PI in the large unilamellar vesicles (i.e. 2 mM) is used in the calculations for preparing dilutions of the lipid substrate.** For more information go to [www.invitrogen.com/adapta](http://www.invitrogen.com/adapta).

### Storage and Handling:

Store at -20°C. **Allow to come to room temperature. Mix by inversion before each use. DO NOT prepare with cold buffers.** If properly stored at -20°C, this product is guaranteed for 6 months from date of purchase.

### Storage Buffer:

50mM HEPES, (pH 7.5).

### Instrument Settings:

PI:PS Lipid Kinase Substrate, used in an Adapta® Assay, requires a fluorescence plate reader capable of reading TR-FRET and filters in the **red** range. For instrument specific set-up information go to [www.invitrogen.com/instrumentsetup](http://www.invitrogen.com/instrumentsetup).

## QUALITY ASSURANCE

### Functional Testing:

PI:PS Lipid Kinase Substrate is functionally tested in an Adapta® Assay with an appropriate lipid kinase.

Becky. Baker, QA Engineer II

Date: 16/May/2012

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For questions, please contact our Technical Support Team

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