

Certificate of Analysis

PI:PS Lipid Kinase Substrate, 800 nmol

ThermoFisher
SCIENTIFIC

Part Number: PV5122
Lot Number: 1838791C
Immediate Storage: -20°C
Shipping Conditions: dry ice

5781 Van Allen Way
Carlsbad, CA 92008
Phone: 760.603.7200
www.thermofisher.com

Description:

Large unilamellar vesicles consisting of 2 mM Soy PI (L- α -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 μ M in the 10 μ 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.thermofisher.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 if stored in the original vial, this product is guaranteed for 6 months from date of purchase. **Do not aliquot into plastic.**

Storage Buffer:

50 mM 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.thermofisher.com/instrumentsetup.

QUALITY ASSURANCE

Functional Testing:

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



Anita Targosz, Associate Director

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