

Certificate of Analysis

Z'-LYTE™ Kinase Assay Kit – Ser/Thr 23 Peptide, 1 Kit

ThermoFisher
SCIENTIFIC

Part Number: PV4644
Lot Number: 2980853
Immediate Storage: -80°C
Shipping Conditions: dry ice

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

Components:

Description	Composition	Quantity	Part Number	Lot Number
Z'-LYTE™ Ser/Thr 23 Peptide	1 mM in DMSO. Proprietary synthetic peptide. The synthetic peptide is related to the PKC epsilon pseudosubstrate derived peptide (MRPRKRQGSVRRRV).	20 µL	PV4645	2294576B
Z'-LYTE™ Ser/Thr 23 Phospho-peptide	1 mM in DMSO	10 µL	PV4646	2150525B
5X Kinase Buffer A	250 mM HEPES (pH 7.5), 50 mM MgCl ₂ , 5 mM EGTA, and 0.05% Brij-35	4 mL	PV3189	2545572H
ATP	10 mM ATP in water	500 µL	PV3227	2846198C
Development Reagent A	Proprietary Reagent. See lot specific COA for Development Reagent A dilution conditions.	50 µL	PV3295*	2000963T
Development Buffer	Proprietary Buffer (identical composition to former Development Buffer B)	5 mL	P3127	2525067G
Stop Reagent	Proprietary Reagent	5 mL	P3094	2645309C

*See individual COA

Storage and Handling: The performance of this product is guaranteed for 6 months from the date of purchase if stored and handled properly.

Description	Storage and Handling
Z'-LYTE™ Ser/Thr 23 Peptide	-20°C. Vortex prior to each use.
Z'-LYTE™ Ser/Thr 23 Phospho-peptide	-20°C. Vortex prior to each use.
5X Kinase Buffer A	20-30°C
ATP	-20°C. Minimize freeze/thaw cycles.
Development Reagent A	-80°C. Avoid more than 5 freeze/thaw cycles, aliquot if necessary.
Development Buffer	20-30°C
Stop Reagent	-80°C. Avoid more than 5 freeze/thaw cycles, aliquot if necessary.

Functional Testing:

Kit components are functionally tested for performance in the assay.

Notes:

For kinase specific conditions go to www.lifetech.com/kinaseprofiling. Scroll down and select the Technology Overview tab and look for the Z'-LYTE® Protocol and Assay Conditions.

Special Note to Customers

The Stop Reagent provided in this kit has been reformulated to provide maximum assay performance. The new formulation has resulted in a transparent yellow solution. The Stop Reagent has been thoroughly validated with all kit components you received to ensure compatibility. If you have any questions or concerns about the new formulation, please contact our Technical Support Team at:

North America: 800-955-6288 or INTL: 760-603-7200 Select option 3, ext. 40266
Email: drugdiscoverytech@invitrogen.com

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Development Reagent A, 50 µL



Part Number: PV3295
Lot Number: 2000963T
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Table with 2 columns: Description, Storage and Handling. Description: Proprietary Reagent. Storage and Handling: Store at -80 °C. Avoid more than 5 freeze thaw cycles, prepare aliquots if necessary. The performance of this product is guaranteed for six months from the date of purchase if stored and handled properly.

Note: Many kits require an intermediate dilution of Development Reagent A or Development Reagent B at either a 1:10, 1:100 or even 1:1,000. This is an example only for Development Reagent A, please refer to the information below for your reagent and lot. The Ser/Thr 7 kit often requires a 1:32,768 dilution of Development Reagent A. To prepare this dilution an intermediate dilution of 1:100 of Development Reagent A is prepared by taking 2 µL of Development Reagent A and mixing it with 198 µL of Development Buffer. Then 6.7 µL of the diluted reagent is mixed with 2,189.3 µL of Development Buffer for a final dilution of 1:32,768. Intermediate dilutions are noted in parentheses in the Amount of Development Reagent column.

Table with 4 columns: Kit, Dilution, Amount of Development Buffer, Amount of Development Reagent. Rows include various Z'-LYTE® Kinase Assay Kits for Ser/Thr and Tyr peptides with their respective dilutions and reagent amounts.

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Part Number: PV3295, Lot Number: 2000963T



Anita Targosz, Associate Director

Date: 15/Oct/2018

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