

Pefachrome[®] PL

Application: Highly sensitive chromogenic peptide substrate for plasmin. Determination of plasmin levels for research, in-process and quality control. Determination of activity of plasminogen activators (t-PA, u-PA) as well as α_2 -antiplasmin and plasminogen-activator inhibitor (PAI) is possible.

Formula: H-D-Ala-HHT-Lys-pNA·2AcOH

Principle: H-D-Ala-HHT-Lys-pNA + plasmin ==> H-D-Ala-HHT-Lys-OH + pNA + plasmin

MW: 626.8

K_M: 0.127 mM **v_{max}:** 20.7 μ mol/min

Storage: May be used by the expiry date given on the label when stored unopened, protected from moisture, in the dark, 2-8°C. Avoid contamination of the reagents by micro-organisms. Shipment of product does not require cooling during the time of transportation.

Material required but not provided:

Buffer, reference material

Buffer: 30 mM Tris-imidazole buffer pH 7.2, 200 mM NaCl

Assay: Suggested protocol for the determination of plasmin activity:

1.770 ml	buffer
0.030 ml	Plasmin (0.27 units/mg; Fluka)
0.200 ml	Pefachrome [®] PL (4 mM in water)
=> Determination of Δ OD/min at 405 nm	

Package size: Vial containing 25 mg
Bulk [g]

Code: 083-10

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