

Pefachrome[®] uPA

Application: Highly sensitive chromogenic peptide substrate for urokinase (uPA). Determination of urokinase for research, in-process and quality control.

Formula: Bz-β-Ala-Gly-Arg-pNA·AcOH

Principle: Bz-β-Ala-Gly-Arg-pNA + uPA ==> Bz-β-Ala-Gly-Arg-OH+ pNA + uPA

MW: 586.6

K_M: 82.0 μM

V_{max}: 7.53 μmol/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 8.4, 300 mM NaCl

Assay: Suggested protocol for the determination of urokinase activity:

1.740 ml buffer 0.060 ml Urokinase (approx. 2500 IU/ml, Calbiochem) 0.200 ml Pefachrome [®] uPA (4 mM in water) => Determination of ΔOD/min at 405 nm, 37° C
--

References: Svendsen L.
Estimation of urokinase activity by means of a highly susceptible synthetic chromogenic peptide substrate.
In: New methods for the analysis of coagulation using chromogenic substrates. Witt I, ed. Berlin: De Gruyter 1977; 251

Package size: Vial containing 10 μmol
Bulk [g]

Code: 082-20
082-01

FOR RESEARCH USE ONLY. NOT FOR HUMAN USE OR DRUG USE.