PENTAPHARM

Pefachrome®PL-Strept

Application: Highly sensitive chromogenic peptide substrate for the plasmin-streptokinase complex. Determination of plasminogen levels for research, in-process and quality control.

Formula: H-D-Nle-CHA-Arg-pNA·2AcOH

Principle: Plasminogen +streptokinase ==> plasminogen-streptokinase complex (PSC)
H-D-Nle-CHA-Arg-pNA + PSC ==> H-D-Nle-CHA-Arg-OH+ pNA + PSC

K_M: 0.4 mM **v_{max}:** 0.024µmol/min

MW: 680.8

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: 50 mM Tris-imidazole buffer pH 7.2, 200 mM NaCl

Assay: Suggested protocol for the determination of plasminogen-streptokinase-complex:

0.100 ml citrated plasma, diluted 1 : 10 in buffer 0.100 ml streptokinase, 10'000 IU/ml in dist. water => incubate for 3 min at 37° C 1.600 ml buffer 0.200 ml Pefachrome® PL-Strept (2 mM in water) => Determination of ΔOD/min at 405 nm

Reference: Svendsen LG, Fareed J, Walenga JM, Hoppensteadt D.
Newer synthetic peptide substrates in coagulation testing: Some practical considerations for automated Methods. Semin Thromb Haemost 1983; 9: 250-62.

Package size: Vial containing 25 mg **Code:** 083-05
Bulk [g]

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

Pentapharm Ltd, Engelgasse 109, P.O. Box, CH-4002 Basel / Switzerland

Vertrieb:
LOXO GMBH, Postfach 11 30
DE-69215 Dossenheim
Phone: 06221 868023 Fax: 06221 8680255
E-Mail: info@loxo.de Internet: www.loxo.de