

Pefachrome[®] FXa (Pefa-5523)

Application: Highly sensitive chromogenic peptide substrate for factor Xa. Determination of factor Xa activity for research, in-process and quality control of factor Xa preparations.

Formula: CH₃OCO-D-CHA-Gly-Arg-pNA·AcOH

Principle: CH₃OCO-D-CHA-Gly-Arg-pNA + FXa ==> CH₃OCO-D-CHA-Gly-Arg-OH + pNA+ FXa

Solubility: Up to 4 mM in dist. H₂O

MW: 622.7 g/mol

K_{cat}: 140 s⁻¹

K_M: 0.106 mM

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, 25 mM CaCl₂

Buffer: 50 mM Tris-HCl pH 8.4

RVV-X: 25 AU/ml in 25 mM CaCl₂

Micro assay: Suggested protocol for the determination of factor X in plasma:

0.100 ml RVV-X
0.010 ml human citrated plasma
=> incubate for 75 s at 37 °C - to activate factor X into factor Xa

0.790 ml buffer
0.100 ml Pefachrome[®] FXa (4 mM in water)
=> Determination of ΔOD/min at 405 nm

Package size: Vial containing 10 μmol
Bulk [g]

Code: 085-20
085-06

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