

Pefachrome[®] GK (Pefa-5715)

Application: Highly sensitive chromogenic peptide substrate for the determination of glandular kallikrein (GK) activity for research, in-process determination and quality control.

Formula: H-D-Val-CHA-Arg-pNA·2AcOH

Principle: H-D-Val-CHA-Arg-pNA + GK ==> H-D- Val-CHA-Arg-OH + pNA + GK
GK = glandular kallikrein

MW: 666.8

K_M: 23.1 μM

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 not provided but required:
Buffer, reference material

Buffer: 50 mM Tris-imidazole buffer pH 7.9, 200 mM NaCl

Assay: Suggested protocol for the determination of glandular kallikrein activity:

1.750 ml buffer 0.050 ml Glandular kallikrein (40 units/ml) 0.200 ml Pefachrome [®] GK (4.0 mM in water) => Determination of ΔOD/min at 405 nm
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Package size: Vial containing 10 μmol
Bulk [g]

Code: 088-20
088-01

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