

# Pefachrome<sup>®</sup> 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<sub>M</sub>:** 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<sup>®</sup> GK (4.0 mM in water)  
=> Determination of ΔOD/min at 405 nm

**Package size:** Vial containing 10 μmol  
Bulk [g]

**Code:** 088-20  
088-01

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

