

Hinweis/Note:

PENTAPHARM

Der Packungsbeileger dient nur als erste Information. Der relevante Packungsbeileger liegt der Ware bei.
The datasheet is for information purposes only. The current datasheet will be enclosed with product shipment.

Pefachrome[®] C1E 5603

Application: Pefachrome[®]C1E, a highly sensitive chromogenic substrate for C1-esterase, is used for the determination of C1-esterase inhibitor (C1INH) in plasma. C1INH is a regulatory protein that acts as an inhibitor of various serine proteases in the complement system, the kallikrein-kinin system, the coagulation cascade and in fibrinolysis.

Formula: CH₃CO-Lys(Cbo)-Gly-Arg-pNA·AcOH

Principle: C1INH activity is determined by adding an excess of C1-esterase to a plasma sample. A complex of C1-esterase and C1INH is formed and the residual C1-esterase is determined spectrophotometrically by using Pefachrome[®] C1E 5603.

MW: 715.8

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 8.4, 300 mM NaCl

Assay: Suggested protocol for the determination of C1-INH:

0.100 ml Plasma
0.100 ml C1-esterase
⇒ incubate for 5 min at 37 °C
0.700 ml buffer
0.100 ml Pefachrome[®]C1E (4 mM in water)
=> Determination of ΔOD/min at 405 nm

Package size: Bulk [g]

Code: 087-03

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