

Pefachrome[®] PAP

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

Formula: 3-PhPr-Pro-Phe-Arg-pNA·AcOH

Principle: 3-PhPr-Pro-Phe-Arg-pNA + E ==> 3-PhPr-Pro-Phe-Arg-OH + pNA + E
E = papain

MW: 730.8

K_M: 0.20 mM **V_{max}:** 35.6 μmol/min

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, Papain 0.2mg/ml, Dithioerythritol 20% in water, EDTA 10 mM in water

Buffer: 50 mM phosphate buffer, pH 6.0, 150 mM NaCl

Assay: Suggested protocol for the determination of papain:

1.400 ml buffer 0.100 ml Papain 0.100 ml Dithioerythritol 0.100 ml EDTA => incubate for 3 min at 37 °C 0.300 ml Pefachrome [®] PAP (1.5 mM in dist. water) => Determination of ΔOD/min at 405 nm

Package size: Vial containing 25 mg
Bulk [g]

Code: 090-12

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

