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Collagenase I

Catalogue No.: abx082454

Collagenase I is an enzyme.

Target:	Collagenase I
Form:	Lyophilized
Reconstitution:	Stock solutions of crude collagenase may be prepared at a concentration of 10 mg/ml of in TESCA buffer (50 mM TES, 0.36 mM calcium chloride, pH 7.4 at 37°C) and are stable if frozen quickly in aliquots and kept frozen at -20°C. Freeze/thaw cycles will damage the enzyme. Upon reconstitution, solutions should be sterile filtered through a 0.22 µm filter.
Conjugation:	Unconjugated
CAS Number:	9001-12-1
Storage:	Store at -20 °C. Avoid repeated freeze/thaw cycles.
Biological Activity:	≥ 125 U/mg solid collagen, where one unit liberates peptides from collagen from bovine achilles tendon equivalent in ninhydrin colour to 1.0 µmol of leucine in 5 hours at pH 7.4 at 37 °C in the presence of calcium ions. 0.25 - 1.00 U/mg solid FALGPA, where one unit hydrolyses 1.0 µmol of FALGPA (Furylacryloyl-Leu-Gly-Pro-Ala) per minute at pH 7.5 at 25 °C in the presence of calcium ions. ≤ 150 U/mg solid caseinase ≤ 2.0 U/mg solid clostripain
Note:	This product is for research use only.