

<b>Collagenase NB 1 Premium Grade</b> from <i>Clostridium histolyticum</i> ; EC 3.4.24.3 lyophil.	<b>Cat. No. :</b>	<b>17455</b>
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Parameter	Method	Specification
<b>Activities</b>	Collagenase (PZ activity, 25 °C) Collagenase activity per vial Neutral Protease (DMC) Trypsin-like activity (BAEE)	<ul style="list-style-type: none"> <li>• 3.0 U/mg lyophilisate</li> <li>≥ 2000 U/vial</li> <li>• 0.05 U/mg lyophilisate</li> <li>Status</li> </ul>
<b>Endotoxin</b>	LAL assay	<ul style="list-style-type: none"> <li>• 10 EU/mg</li> </ul>
<b>Storage conditions</b>		+ 2 to + 8 °C

**Unit definitions:**

**Collagenase (PZ activity according to Wunsch)**

1 Unit catalyzes the hydrolysis of 1 µmol 4-phenyl-azobenzoyloxycarbonyl-L-prolyl-L-leucyl-glycyl-L-prolyl-D-arginine per minute at 25 °C, pH 7.1.

**Neutral Protease (DMC assay)**

1 DMC-Unit catalyzes the cleavage of 1 µmol peptide bond from dimethylcasein per minute at 25 °C, pH 7.0, expressed in terms of newly formed terminal amino groups, determined with trinitrobenzene sulfonic acid (TNBS).

**Trypsin-like activity (BAEE assay)**

1 Unit catalyzes the cleavage of 1 µmol BAEE per minute at 25 °C, pH 8.0.

**Endotoxin (LAL assay)**

1 Endotoxin Unit is equal to 1 International Unit of a FDA reference standard Endotoxin (RSE).

**Die Eignung des Produktes für spezielle Anwendungszwecke wird nicht zugesichert.**  
We do not guarantee that the product can be used for a special application.