

## Certificate of Analysis

**PRODUCT:** **Collagenase, Type 2**  
*Clostridium histolyticum*

**PRODUCT NUMBER:** C-2835

**LOT NUMBER:** L1324

**APPEARANCE:** White to dark brown powder.

**SOLUBILITY** Clear colorless solution.

(1 mg/ml in H<sub>2</sub>O):

<u>PARAMETER:</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
<b>u/mg dw:</b>	≥125 units per mg dry weight	182
<b>u/vial (50 mg):</b>	≥6,250 units per vial	11,830
<b>u/mg dw Caseinase:</b>	≥200 caseinase units per mg dry weight	516
<b>u/mg dw Clostripain:</b>	≥3.50 clostripain units per mg dry weight	4.99
<b>u/mg dw Tryptic:</b>	≥0.10 tryptic units per mg dry weight	0.48
<b>Endotoxin EU/mg dw:</b>	Report Assay Value.	12.8
<b>A280nm @ 1 mg/ml:</b>	Report Assay Value.	1.85
<b>COLONY COUNT:</b>	≤1 cfu per ml	Not Detected
<b>FILL AMOUNT (50 mg):</b>	≥50 mg	65

**DESCRIPTION:** Collagenase, Type 2, which is filtered through a 0.22 micron membrane and lyophilized in vials.

**UNIT DEFINITION:** One Unit liberates one micromole of L-leucine equivalents from collagen in 5 hours at 37°C, pH 7.5

**STORAGE & HANDLING:** Store desiccated at +4°C

**Avoid repeated freezing and thawing of solutions.**

**CAUTION:** For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: EV