

## CERTIFICATE OF ANALYSIS

**PRODUCT:** **Collagenase, Type 4**  
*Clostridium histolyticum*

**PRODUCT NUMBER:** C-2829

**LOT NUMBER:** J1284

**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>
u/mg dw:	≥ 160 units per mg dry weight	270
u/mg dw Caseinase:	≥ 100 caseinase units per mg dry weight	165
u/mg dw Clostripain:	≤ 3.00 clostripain units per mg dry weight	0.84
u/mg dw Tryptic:	≤ 0.10 tryptic units per mg dry weight	0.02
Endotoxin EU/mg dw:	Report Assay Value.	2.60
A280 @ mg/ml:	Report Assay Value	1.83

**DESCRIPTION:** Prepared to contain lower tryptic activity levels to limit damage to membrane proteins and receptors but with normal to above normal collagenase activity. Suggested for pancreatic islet primary isolation. A dialyzed, lyophilized powder.

**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**