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Certificate of Analysis

Product Collagenase, Type 1
Source Clostridium histolyticum
Country of Manufacture USA
Storage Store at 2-8°C.
Code CLS-1
Lot Number
Re-Assay Date
Description The original balance of enzymatic activities. Each lot assayed for collagenase, caseinase, clostripain and tryptic activities. Suggested for epithelial, liver, lung and adrenal primary cell isolations. A dialyzed, lyophilized powder.
Unit Definition One unit liberates one micromole of L-leucine equivalents from collagen in 5 hours at 37°C, pH 7.5

<u>Parameter</u>	<u>Result</u>	<u>Acceptance Criteria</u>
u/mg dw	230	≥125 units per mg dry weight
u/mg dw Caseinase	345	≥200 caseinase units per mg dry weight
u/mg dw Clostripain	1.88	≤4.00 clostripain units per mg dry weight
u/mg dw Tryptic	0.17	≤0.50 tryptic units per mg dry weight
Endotoxin EU/mg dw	0.84	Report Assay Value.
A280nm @ 1 mg/ml	2.47	Report assay value.

Approved by: Thomas R. Ryan, Quality Control Manager (signature on file)

Date: 4/17/20