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Certificate of Analysis

Product Elastase, Suspension
Source Porcine Pancreas
Country of Manufacture USA
All products from animal sources are produced from starting material of USDA-approved origin, collected in United States Department of Agriculture (USDA) or equivalent approved facilities, inspected to be free of disease and suitable for exportation. Certificates of Origin are available upon request.
Storage Store at 2-8°C. DO NOT FREEZE.
Code ES
Lot Number
Re-Assay Date
Description Two times crystallized. Supplied as an aqueous suspension. This preparation must be diluted to dissolve the enzyme. The diluted enzyme should be 0.22 micron filtered before use. Suitable for the isolation of Type II lung cells.
Unit Definition One Unit cleaves one micromole of N-succinyl-L-alanyl-L-alanyl-L-alanine-p-nitroanilide per minute at 25°C, pH 8.0

<u>Parameter</u>	<u>Result</u>	<u>Acceptance Criteria</u>
u/mgP	4.81	≥3.00 units per mg protein
mgP/ml	26.0	Report assay value.
u/ml	125	Report assay value.
u/ml Trypsin (BAEE)	0.12	Report Assay Value.
u/ml Chymotrypsin (ATEE)	2.10	Report Assay Value.
Endotoxin EU/ml	130	Report Assay Value.

Due to the viscous nature of this preparation it is recommended that the vial be rinsed with reagent grade water or buffer to recover total contents. Mix well prior to use.

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

Date: 6/23/20