

## Certificate of Analysis

Product	Elastase, Lyophilized
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.
Code	ESL
Lot Number	
Re-Assay Date	
Description	Two times crystallized, (Code: ESL), supplied as a dialyzed, lyophilized powder. The enzyme should be 0.22 micron filtered after reconstitution and prior to 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	4.67	≥3.00 units per mg protein
% Protein	99%	Report assay value.
A280nm @ 1 mg/ml	1.84	Report assay value.
u/mg dw	4.62	Report assay value.
u/mg dw Trypsin (BAEE)	0.005	Report Assay Value.
u/mg dw Chymotrypsin (ATEE)	0.08	Report Assay Value.
Endotoxin EU/mg dw	3.74	Report Assay Value.