

Certificate of Analysis

Product Description

Product: Anhydrotrypsin

Catalog Number: IANHT

Description: Treatment of trypsin with phenylmethylsulfonyl fluoride (PMSF) followed by a strong base leads to the conversion of Serine 195 to dehydroalanine at the active site (1). Alpha and beta forms of anhydrotrypsin are separated by immobilized soybean trypsin inhibitor. The activity of anhydrotrypsin is greatly reduced compared to native trypsin as quantified by chromogenic substrate (2). Anhydrotrypsin provided by our company is the single chain beta-form prepared from Type XIII bovine trypsin.

References

1. Ako, H. et al. (1972) Biochem Biophys Res Commun. 47:1402-1407.
2. Olson, S.T. et al. (1995) J. Biol. Chem. 270:30007-30017.

Source: Bovine pancreas

Molecular Weight: 23,300

Sample Characteristics

Lot Number: SAMPLE

Aliquot: 1 x 0.1 mg

Concentration: 2.0 mg/ml

Volume: 0.05 ml

Buffer: 1mM HCl; 10mM CaCl₂

Form: Frozen liquid

Shipping Information

Recommended Storage: -70 C

Shipping Conditions: Dry ice

Minimum Shelf Life: 3 years from delivery



For In Vitro laboratory use only

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CAUTION TO USERS: The values expressed in the attached Certificate of Analysis represent best efforts to provide accurate and reproducible data about the material. However, test methods and techniques for biologicals may produce variable results.