



Certificate of Analysis

Product Description

Product: Immobilized soybean trypsin inhibitor

Catalog Number: ISBTI-I

Description: Soybean trypsin inhibitor (SBTI) is a reversible competitive inhibitor of trypsin and other trypsin-like proteases such as chymotrypsin, plasmin and plasma kallikrein. It has a MW of 22 kDa and a pI of 4.5 (1,2). We have immobilized SBTI on an agarose resin via coupling to primary amines to create an affinity resin with specificity for a number of serine proteases. SBTI binds free trypsin tighter with increasing pH from 4.5-8.0 that allows for a simple gradient to low pH (~2.5-3.0) for elution (1). References: 1. Birk, Y. (1976) Methods Enzymol. 55:700-706. 2. Kassell, B. (1970) Methods Enzymol. 19:853-862.

Source: Soybean

Molecular Weight: 21,500

Sample Characteristics

Lot Number: SAMPLE

Aliquot: 1 x 10 ml

Concentration: 5.0 mg/ml coupled

Volume: 20 ml of 1:1 slurry

Buffer: 0.1M Tris-HCl; 0.15M NaCl; 0.02% Na Azide; pH 7.4

Form: Resin

Shipping Information

Recommended Storage: 4 C

Shipping Conditions: Cold pack

Minimum Shelf Life: 12 months 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.