

Product Specification Sheet

Immobilized Soybean Trypsin Inhibitor
Product Number: SP 29
Aliquot: 10 mL
Lot Number sp29.797A
Storage: 4°C As Provided

- DESCRIPTION:** Soybean trypsin inhibitor (SBTI) is a reversible competitive inhibitor of trypsin and other trypsin-like proteases such as chymotrypsin, plasmin and plasma kallikrein. This presentation of SBTI binds free trypsin tightly with high pH (4.5-8.0) and allows for a simple gradient to low pH (~2.5-3.0) for elution.¹
- ISOELECTRIC POINT:** 4.5^{1,2}
- MOLECULAR WEIGHT:** 22 kDa^{1,2}
- BUFFER:** 0.1 M Tris; 0.05 M NaCl; 0.1% Sodium Azide; pH 7.5
- PRESENTATION:** This presentation immobilized SBTI is on an agarose resin via coupling to primary amines. This creates an affinity resin with specificity for a number of serine proteases. Detail as follows:
-Resin Matix: Affi-Gel 10
-Attachement: Amino
-Ligand Density: 1-2 mg/mL SBTI
-Binding Capacity: 1 mL resin binds > 2 mg plasmin
- REFERENCES:**
1. Birk, Y. (1976) Methods Enzymol. 55:700-706.
 2. Kassell, B. (1970) Methods Enzymol. 19:853-862.