

Product Datasheet



Product Description

Product:	Corn Trypsin Inhibitor
Catalog Number:	ICTI
Description:	To begin the purification process, CTI is extracted from the kernels of fresh sweet corn into a physiologic buffer. The extract is then de-fatted using acetone, and the protein is further purified by employing gel filtration and ion-exchange chromatography. The final CTI preparation appears as a single band by SDS-PAGE analyses under both reducing and non-reducing conditions. Preparations of CTI are tested for the ability to prolong the aPTT assay without affecting the PT assay. The specific activity of each lot of CTI is determined, and one unit is defined as the amount of CTI required to double the aPTT of normal human plasma.
Recommended Storage:	-70 C
Shipping Conditions:	Dry ice
Minimum Shelf Life:	3 years from delivery

Technical Information

Purity:	>95% by SDS-PAGE analysis
Source:	Corn
Molecular Weight:	12,500
Extinction Coefficient:	2

Sample Characteristics

Lot Number:	ICTI-SAMPLE
Aliquot:	1 x 1.0 mg
Concentration:	4.3 mg/ml
Volume:	0.233 ml
Specific activity:	34.2 U/mg (One inhibitory unit will double the aPTT clot time of 1 ml of normal human plasma)
Buffer:	0.02M Tris-HCl; 0.15M NaCl; pH 7.4
Form:	Frozen liquid

For In Vitro laboratory use only

Innovative Research, Inc. - 46430 Peary Court, Novi, MI 48377, USA - Tel: (888) 660-6866 - Fax: (248) 896-0149 -
helpdesk@innov-research.com