

L-Asparaginase Recombinant Human

Catalog No.	CRL305A CRL305B CRL305C	Quantity:	500 IU 2,500 IU 10,000 IU
Source:	<i>E. coli.</i>		
Background:	L-Asparaginase is an enzyme that depletes L-Asparagine - an important nutrient for cancer cells resulting in cancer/tumor cell starvation. L-asparaginase is an anti-tumor agent derived from <i>E. coli.</i> , which can inhibit the growth of malignant cells. It is used mainly for the induction of remission in acute lymphoblastic leukemia. Because of the lymph node origin of malignant B cells in Multiple Myeloma, L-Asparagine is an essential amino acid for their cell metabolism, and consequently, L-Asparaginase may be of value in managing the disease.		
Description:	L-Asparaginase produced from <i>E. coli</i> containing 303 amino acids and having a MW of 31.731 kDa.		
Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.		
Formulation:	The enzyme was lyophilized with no additives.		
Stability:	Two years when stored at -20°C, 2 weeks at 4°C.		
Purity:	Greater than 96.0% as determined by: Analysis by RP-HPLC, analysis by reducing and non-reducing SDS-PAGE stained Coomassie blue gel.		
Unit Definition:	One IU of L- Asparaginase is defined as that amount of enzyme required to generate 1 μ mol of ammonia per minute at pH 7.3 and 37°C.		
Specific Activity:	250,000 IU/mg.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

