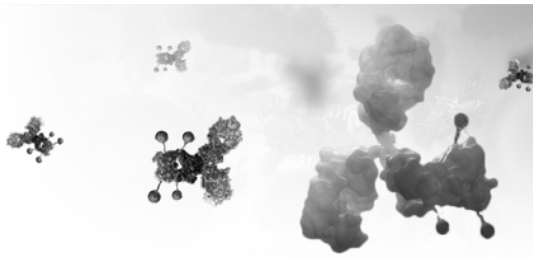

Native E.coli L-Asparaginase (DAGC307)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	L-Asparaginase was purified from E.coli ASI.357
Species	E.coli
Purity	Greater than 96.0% as determined by SDS-PAGE.
Conjugate	Unconjugated
Reconstitution	It is recommended to reconstitute the lyophilized L-Asparaginase in 18M-cm H2O at 1mg/ml.
Bio-activity	One IU of L- Asparaginase is defined as that amount of enzyme required to generate 1 µmol of ammonia per minute at pH 7.3 and 37°C.
Format	Lyophilized
Size	500 IU, 2500 IU
Preservative	None
Storage	Lyophilized L-Asparaginase although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution L-Asparaginase should be stored at 4°C between 2-7 days and for future use below -18°C.

BACKGROUND

Introduction	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 E.coli.,which can inhibit the growth of malignant cells. It is used mainly for the induction of remission in acute lymphoblastic leukaemia. 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.

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Keywords	E.coli L-Asparaginase; L-Asparaginase

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