Product Data Sheet

Product Name:	Fibronectin Bovine
Cat. No.:	GP23500
Batch No.:	1

Product Data

Purity	>98%	Source	Bovine Plasma.
Phycical Appearance	solid	Shipping Condition	Shipped at Room temp.
Solubility	Purified bovine fibronectin has a tendency to form insoluble aggregates upon reconstitution. We suggest to reconstitute the 1mg Fibronectin with a chaotropic agent such as urea at room temperature at a concentration of 0.2mg/ml using sterile water. Let stand 1-2 hours.		
Formulation	The Bovine Fibronectin was lyophilized from a concentrated 1mg/ml solution containing 0.05M Tris Cl pH-7.5 and 0.1M NaCl.		

Stability

Lyophilized bovine Fibronectin although stable at room temperature for 1 week, should be stored desiccated below -18°C . Upon reconstitution Fibronectin should be stored at 4°C between 2-7 days and for future use below -18°C .Please prevent freeze-thaw cycles.

Background

Plasma fibronectin level is elevated in severe coronary artery disease. Increased plasma fibronectin levels are related with venous thromboembolism (VTE) particularly in males, and extend the probable association between biomarkers and risk factors for arterial atherothrombosis and VTE. Fibronectin plays a role in several cellular processes, including tissue repair, embryogenesis, blood clotting, and cell migration/adhesion. Fibronectin consists in two main forms: 1) as an insoluble glycoprotein dimer that serves as a linker in the etracellular matrix and 2) as a soluble disulphide linked dimer found in the plasma. The plasma form is produced by hepatocytes, and the ECM form is synthesized by fibroblasts, chondrocytes, endothelial cells, macrophages, as well as certain epithelial cells. Fibronectin also takes part as a general cell adhesion molecule by anchoring cells to collagen or proteoglycan substrates. Fibronectin organizes cellular interaction with the ECM by binding to different components of the extracellular matrix

Caution: Product has not been fully validated for medical applications. For research use only.
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and to membrane-bound Fibronectin receptors on cell surfaces. Molecular Weight 220kDa.

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