

Bovine Fibronectin

Synonyms:

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
200 µg	4065.919.200		
1 mg	4065.919.199		
10 mg	4065.919.109		

Please enquire for bulk quantities and other vial sizes

Description

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 extracellular 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 and to membrane-bound Fibronectin receptors on cell surfaces. Molecular Weight 220kDa.

- **Source** Bovine Plasma
- **Purity** ≥ 95 % (SDS-PAGE)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** The Bovine Fibronectin was lyophilized from a concentrated 1mg/ml solution containing 0.05M Tris Cl pH-7.5 and 0.1M NaCl*
- **Physical state** Sterile filtered, lyophilized

Reconstitution

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.

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 avoid repeated freeze-thaw cycles.

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.