PELOBIOTECH GmbH
Behringstr. 10
82152 Planegg Germany
info@pelobiotech.com
www.pelobiotech.com
tel + 49 (0)89 517 286 59-0
fax + 49 (0)89 517 286 59 88

www.pelobiotech.com

Human plasma derived Fibronectin Solution

Product Description:

Fibronectin is a 440-500 kDa glycoprotein found both as cell surface proteins and in plasma. It binds to cell membrane receptors and extracellular matrix components. The Human Plasma Fibronectin is purified from Human plasma with affinity chromatography and supports cell adhesion and spreading. Donors tested negative for HBsAg, HCV, HIV1 and HIV2 antibodies. To ensure the quality we made tests as followed:
ELISA assay showed that absorbance was directly proportional to the logarithm of fibronectin concentration.
Cell adhesion assays indicated that a coating with as low as 0.1 µg/cm^2 of fibronectin significantly promoted endothelial cell adhesion compared with non-coated controls.

Product Specification:

Source:	Human Plasma (Donors tested negative for HBsAg, HCV, HIV1 and HIV2 antibodies).
Buffer:	0.15 M NaCl, 50 mM Tris, pH 7.5
Celsius Shelf Life:	12 months
Storage:	-20°C in single use working aliquots
Purity:	> 95% SDS PAGE
Concentration:	1 mg/ml
Functional Assay:	Cell adhesion assay, work down to 0,1 µg/cm^2 for endothelial cells
Application:	Use to coat cell culture vessels at 1-5 µg/cm^2.

Sterility Testing:
This product has been tested for 14 days after incubation in a 37°C incubator. It is free of bacterial and fungal contamination. Product has shown to be negative with respect to mycoplasma contamination by Real-Time PCR.

Human plasma derived fibronectin is for research use only

Product Information

Catalogue number:	PB-LU-508-0000
Product:	Human plasma derived fibronectin
Concentration:	1 mg/ml
Size:	1 mg

PELOBiotech

www.pelobiotech.com

How to use:

Applications: Culture vessels surface coating with fibronectin solution.

Please evaluate the optimal fibronectin concentration for your cell type

and application.

1. Dilute human fibronectin in Ca^{2+}, Mg^{2+}-freephosphate buffered saline (PBS).
2. Coat surface at 1-5 µg/cm^2 using a minimal volume.
3. CIncubate at 37°C in a incubator or at RT for at least two hours. Aspirate remaining fibronectin solution
4. Rinse the culture wares with DI H_2O.
5. Plates may be used immediately or air-dried first and then stored at 4-8°C for up to one week.