



Human Fibronectin Solution, Virus Inactivated, Research Grade

Tubes (1 mg) Cat. # AR1049-0001 | Bottles (5 mg) Cat. # AR1049-0005 | Protein Concentration (1 mg/mL)

P 1

Product Description:

Akron Bio's Human Fibronectin Solution, Virus Inactivated is a high quality research-grade material designed to support development efforts in the cell therapy industry. This product leverages pharmaceutically licensed virus and prion inactivated plasma as a raw material, offering greater batch-to-batch consistency and a unique safety profile. Akron's Human Fibronectin Solution, Virus Inactivated is purified from this raw material using a sterilized gelatin resin derived from a pharmaceutical-grade polygeline solution. Fibronectin is an important blood plasma and extracellular matrix (ECM) protein that facilitates attachment and cytoplasmic spreading during cell and tissue culture for all types of anchorage-dependent cells. Fibronectin has been shown to promote cell adhesion, spreading, proliferation, and differentiation for a variety of cell types and is considered a serum-free media supplement. *In vivo*, fibronectin is also responsible for cell adhesion and migration processes including embryogenesis, wound healing, blood coagulation, host defense, and metastasis.

Advantages:

Donor Eligibility

- Pharmaceutically licensed, pooled plasma from US-licensed plasma donation centers
- Donor screening and virus testing per 21 CFR 610.40
- Nucleic Acid Testing (NAT) conducted for HIV, B19V, HAV, HBV, HCV, & HEV

Raw Material

- Solvent Detergent (S/D) treatment for virus inactivation of enveloped viruses
- Immune Neutralization for inactivation of certain non-enveloped viruses
- Affinity Chromatography to reduce prion proteins
- Sterile microfiltration to minimize the presence of bacteria and parasites

Release Testing:

- Appearance
- pH
- Purity (Reducing SDS-PAGE)
- Identity (Reducing SDS-PAGE)
- Protein Concentration
- Mycoplasma
- Bacterial Endotoxins

Stability:

- Currently on a long-term stability program
- Store at -20 °C
- Transport on dry ice
- Avoid repeated freeze-thaw cycles



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P 2

For Use Statement:

For research use only. Not for human use.

Related Products:

Catalog Number	Product Name	Size
AK9930-0001	Human Fibronectin Solution, Virus Inactivated (cGMP)	1 mg
AK9930-0005	Human Fibronectin Solution, Virus Inactivated (cGMP)	5 mg
AR1037-0100	Human Serum Albumin (HSA) 25% Closed System Solutions (CSS)	100 mL
AK8228-0100	Human Serum Albumin 25% Solution	100 mL
AR1010-0100	Human AB Serum, Converted from Octaplas®, Pooled Plasma (Human), Xeno-Free, Virus Inactivated	100 mL

For more information on our available products or for technical assistance, see contact info below.
For contract orders under master supply agreement, please inquire.