BI
Biological Industries

LIFE TECH
Life Technologies™
Your Molecular & Cell Technology Partner

Human Fibronectin Solution

Cat. No.: 05-750-1H 5 ml
05-750-1F 1 ml
Store at: +2-8°C

Concentration: 1mg/ml

Instructions for Use

Product Description

Fibronectin is an attachment factor that facilitates the attachment and cytoplasmic spreading of all types of anchorage-dependent cells. Fibronectin is particularly useful for the culture of cells that are not capable of synthesizing their own biomatrix or when culturing cells in serum-free medium. Human Fibronectin (hFN) was tested and found suitable matrix for many cell types as well as for stem cells (e.g. mesenchymal stem cells). Biological industries'hFN is obtained by affinity purification on gelatine-sepharose from human plasma.

Features

- A complete ready-to-use solution
- Suitable for various animal cells
- Performance tested

Precaution and Disclaimer

1. For in vitro diagnostic use.
2. Do not use if a visible precipitate is observed in the hFN solution.
3. Do not use beyond the expiration date indicated on the product label.

Instructions for use

The recommended concentration of the hFN is 1-5µg/cm^2.

1. Determine the amount of hFN needed to coat culture vessels by multiplying the total surface area (cm^2) by the desired concentration (µg/cm^2) of hFN.
2. Wet the surface of each culture vessel to be coated with a minimum amount of sterile Dulbecco's PBS w/o Ca & Mg (Catalog # 02-023-1) required to cover the entire area.
3. Add the calculated amount of hFN to each culture vessel.
4. Allow hFN to adsorb to the surface of the vessel for at least 30 minutes in incubator (37°C).
5. Before seeding, wash the culture vessel with Dulbecco's PBS or culture medium.
6. When the medium is replaced in the days following initial seeding no further hFN is required.

Note: Coated culture vessels stored under sterile conditions at +2-8°C may be used within 1 month.

Quality Control

- Purity: hFN purity is >95%, as determined by SDS-PAGE. A double band of 220 kDa is present under reduced conditions.
- Biological performance: the ability to promote the attachment and spreading of BHK-21 cells in serum-free medium.
- Sterility.

The human source material plasma units used in the production of this product have been tested negative for Hepatitis B virus, Hepatitis C virus, (HCV), HIV, HTLV, Parvovirus B-19 by NAT and TPHA.

References

- Engvall E and Ruoslahti E. Int J Cancer. 1977 Jul 15;20(1):1-5.
- Miekka SI al. Thromb Res. 1982 Jul 1;27(1):1-14.
- Mosesson MW And Umfleet RA. J Biol Chem. 1970 Nov 10;245(21):5728-36
- Vuento M and Vaheri A. Biochem J. 1979 Nov 1;183(2):331-7.

Auxiliary products

Product	Cat. No.
Dulbecco's PBS (w/o Ca & Mg)	02-023-1
Papain Dissociation Solution	03-072-1
Papain Dilution Buffer	02-050-1
Cell Dissociation Solution (Non Enzymatic)	03-072-1
Crystalline Trypsin Solution	03-047-1
Soybean Trypsin Inhibitor (SBTI)	03-048-1

BI Biological Industries
Culture of Excellence

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