



Human Plasma Fibronectin

Cat. No. 33016-015 5 mg

Store at 2 to 8°C

Shelf life

Lyophilized Powder- stable for at least 3 months.

Do not store in dilute solution. Do not freeze/thaw repeatedly.

Form: Lyophilized

Description:

This preparation of Human Plasma Fibronectin is isolated from human plasma by affinity chromatography using a modification of the methods of Engvall and Ruoslahti¹.

Fibronectin has a molecular weight of 440,000 daltons and is made up of two 220,000 dalton polypeptide chains.

Directions for Use:

Human Plasma Fibronectin can be reconstituted by adding 5mL of sterile distilled water. The resulting solution will be 1 mg/mL of Fibronectin in 100 mM CAPS, 0.15M NaCl, 1 mM calcium chloride, pH 11.5. **Care must be taken not to vortex or vigorously mix the solution.** Upon dilution in tissue culture media, these agents do not significantly affect the biological activity of Fibronectin.

Once reconstituted, Human Plasma Fibronectin should be aliquoted and stored at -5 to -20°C and should not be subjected to repeated freezing and thawing. Stock solutions of Fibronectin can be added directly to tissue culture media to the desired final concentration.

Quality Control:

Purity and Identity: >95% pure by SDS-PAGE, Coomassie stained; Mycoplasma (DNA staining)²: Negative; Functional Qualification (Spreading of BHK-21 cells for 60 minutes at 37°C): ≥ 80% cell spreading at 20 µg/35 mm tissue culture dish.

NOTE: The human-source raw material used in the production of this product tested negative for hepatitis B virus, hepatitis C virus (HCV), human immunodeficiency virus type-1 (HIV-1) and type-2 (HIV-2) and Treponema pallidum. Handle as if potentially infectious.

References:

1. Engvall, E. and Ruoslahti, E. (1977) Int. J. Cancer 20, 1.
2. Chen, T.R. (1977) Exp. Cell Res. 104, 255.

For research use only.

CAUTION: Not intended for human or animal diagnostic or therapeutic uses.

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