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HUMAN PLASMA FIBRONECTIN
PURIFIED PROTEIN

CATALOG NUMBER: FC010-5MG **QUANTITY:** 5 x 1 mg

LOT NUMBER: **CONCENTRATION:** 1 mg/mL

DESCRIPTION: Human fibronectin (hFN) is suitable for use as an attachment factor in the propagation of cells *in vitro* when used to coat cell culture surfaces, including plasticware, glassware, and microcarrier beads.

SOURCE: Human donor plasma

PURITY: Approximately 95%, as determined by SDS-PAGE. A double band of 220 kDa is present under reduced conditions. hFN is purified by affinity chromatography on gelatin agarose, followed by chromatography on heparin-agarose.

APPLICATIONS: Immunochemical standard
Cell attachment and proliferation assays on human endothelial cells, human keratinocytes and human dermal fibroblasts

Suggested Procedure for Coating Cell Cultureware

1. Determine the amount of HFN needed to coat culture vessels by multiplying the total surface area (cm^2) by the desired concentration (µg/mL) of HFN. Recommended amount is 2-10 $\mu g/cm^2$.
2. Wet the surface of each culture vessel to be coated with a minimum amount of sterile balanced salt solution (serum and protein free) required to cover the entire area.
3. Introduce the proper CO_2 atmosphere, if required.
4. Add the calculated amount of HFN to each culture vessel.
5. Allow HFN to adsorb to the surface of the vessel for 5-20 minutes.
6. Remove residual balanced salt solution before proceeding with standard cell culture procedures.

Optimal working dilutions must be determined by end user.

PRESENTATION: Liquid in 150 mM NaCl, 10 mM sodium phosphate, pH 7.5, sterile filtered, containing no preservatives.

STORAGE/HANDLING: Maintain at 2-8°C for up to 6 months from date of receipt. Do not freeze.

REFERENCES:

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human pleural mesothelioma in vitro. *Oncology Reports* **9**: 205-209.

Marchenko, G. N. *et al*. (2001). Characterization of matrix metalloproteinase-26, a novel metalloprotinase widely expressed in cancer cells of epithelial origin. *Biochem. J.* **356**: 705-718.

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Engvall E and Ruoslahti E. (1977). Binding of soluble form of fibroblast surface protein, fibronectin, to collagen. *Int J Cancer.* **20**: 1-5.

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

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