



**Bovine Plasma Fibronectin
(BPF)**
Catalog #8248

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. ScienCell's Bovine Plasma Fibronectin is purified from bovine plasma with affinity chromatography and supports cell adhesion and spreading.

Specifications

Quantity: 1 mg
Concentration: 1 mg/mL
Storage buffer: 0.15 M NaCl, 20 mM Tris, pH 7.5

Quality Control

Fibronectin appears two bands in SDS-PAGE at 230 kDa and 220 kDa. Fibronectin is tested for the adherence of cells to the culture dish and promotion of cell growth. Fibronectin is negative for bacterial contamination.

Storage/Handling

It is recommended to store the product as single use aliquots at -80°C. Thawing should be done slowly at 37°C with no agitation. Material that fails to dissolve can be removed by centrifugation. Avoid repeated freeze/thaw cycles.

Application

Recommended for use as a cell culture substratum at 1-5 µg/cm². Optimal concentration depends on cell type.

Coating Instructions

1. Dilute fibronectin in Ca²⁺, Mg²⁺-free phosphate buffered saline (Cat #0303). Coat the culture surface at 1-5 µg/cm² with a minimal volume.
2. Incubate at 37°C incubator or at room temperature for at least 2 hours.
Aspirate remaining fibronectin solution and rinse with DI H₂O. The culture vessels are now ready to use.

Caution: If handled improperly, some components of this product may present a health hazard. Take appropriate precautions when handling this product, including the wearing of protective clothing and eyewear. Dispose of properly.