Fibronectin
from human plasma

Product Number  F2006
Storage Temperature  -20 °C

Product Description
CAS Number: 86088-83-7
MW: Approx. 450 kDa by sedimentation equilibrium
and is composed of two chains, α and β,
demonstrating mw of 220 kDa and 212 kDa
respectively, in SDS gels with 2-mercaptoethanol as a
reducing agent.\(^1\)
Extinction Coefficient: \(E^{1\%} = 13.5\) (280 nm).

Fibronectins are adhesive glycoproteins and are found
both as cell surface proteins and in plasma.\(^1\)

This is a sterile product.

Precautions and Disclaimer
For Laboratory Use Only.  Not for drug, household or
other uses.

Preparation Instructions
Dissolve at 1 mg/ml in water.  Allow to dissolve for at
least 30 minutes at 37 °C.  A small amount of
undissolved material may remain.  This will not affect
product performance.

To coat culture surfaces:
1. Dilute fibronectin in sterile balanced salt solution
   and coat the culture surface (1-5 \(\mu\)g/cm\(^2\)) with a
   minimal volume.
2. Allow to air dry for at least 45 minutes at room
temperature.  Excess fibronectin may be removed
   by aspiration, but this is not necessary.
3. Fibronectin coated cultureware can be stored for
   2-4 weeks at 2-8 °C in a closed sterile container or
   sterile sealable bags.

Storage/Stability
The product ships in dry ice.  It is recommended to
store the product in a freezer.  After thawing initially,
make single use aliquots.  Additional freeze/thaw
cycles are not recommended.

References
2. Concise Encyclopedia Biochemistry, 2nd ed.,
   T. Scott and M. Eagleson, eds., Walter de Gruyter

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