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Product Information

Fibronectin from bovine plasma

Product Number **F4759**
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: $E^{1\%} = 12.9$ (280 nm in 8 M urea-0.2 M NaOH).¹

Fibronectins are adhesive glycoproteins and are found both as cell surface proteins and in plasma.²

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.

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.

Procedure

To coat culture surfaces:

1. Dilute fibronectin in sterile balanced salt solution and coat the culture surface (1-5 $\mu\text{g}/\text{cm}^2$) 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.

References

1. Ann. N. Y. Acad. Sci., **312**, 56 (1978).
2. Concise Encyclopedia Biochemistry, 2nd ed., T. Scott and M. Eagleson, eds., Walter de Gruyter Publishing (New York, NY: 1988), p. 208.

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