



MSC Attachment Solution

A xeno-free solution that facilitates the attachment and spreading of mesenchymal stem cells cultured in serum-free medium

Cat. No.: 05-752-1H 5 ml
05-752-1F 1 ml

Store at: 2-8°C

Instructions for Use

Product Description

MSC Attachment Solution is a clear sterile solution containing human fibronectin (hFN) obtained by affinity purification on gelatine-sepharose from human plasma. This solution is particularly useful for the culture of cells that are not capable of synthesizing their own biomatrix or when culturing cells in serum-free medium. The solution was qualified for the attachment of human mesenchymal stem cells (hMSC) when culturing in serum-free media.

Features

- Contains no products of non-human origin.
- Easy-to-use
- Supplied as a ready-to-use stock solution.
- Design for use with serum-free culture system.

Precaution and Disclaimer

1. For in vitro diagnostic use.
2. Do not use if a visible precipitate is observed in the MSC Attachment Solution.
3. Do not use beyond the expiration date indicated on the product label.

Instruction for use

1. Dilute the MSC Attachment Solution 1:100 using sterile DPBS (without Ca⁺⁺ and Mg⁺⁺, Cat. No. 02-023-1) and gently mix using a pipette.
2. Add the diluted MSC Attachment Solution to the cultureware. Gently agitate the coated cultureware and verify complete covering of the surface. Use Table 1 for recommended volumes.
3. Incubate the coated cultureware for at least 30 minutes in a humidified CO₂ incubator (37°C).
4. Following 30 minutes incubation:

For immediate use:

- Gently wash the cultureware with DPBS (For T-25 use at least 5ml).
- Seed cells immediately.

It is critical that the coating does not dry out.

For later use:

- Wrap the coated cultureware with Parafilm® and incubate at 2-8°C. Coated cultureware stored under sterile conditions at +2-8°C are stable for 1 week.
- Gently wash the cultureware with DPBS.
- Seed cells immediately.

It is critical that the coating does not dry out.

Quality Control

Each lot is tested for sterility as well as for biological performance (the ability to promote the attachment and spreading of MSC in serum-free medium).

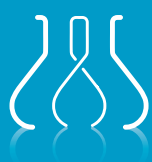
The human source material plasma units used in the production of this product have been tested negative for Hepatitis B virus, Hepatitis C virus, (HCV), HIV, HTLV, Parvovirus B-19 by NAT and TPHA.

Auxiliary products

Product name	Cat. No.
MSC NutriStem® XF Basal Medium and Supplement Mix	05-200-1 and 05-201-1
Recombinant Trypsin Solution	03-078-1
Recombinant Trypsin-EDTA Solution	03-079-1
MSC Dissociation Solution	05-075-1
MSC Freezing Solution	05-712-1
Non enzymatic MSC Dissociation Solution	03-077-1
Dulbecco's PBS (w/o Ca & Mg)	02-023-1

Table 1. Recommended volume for the coating procedure

Cultureware	Surface area cm ²	Volume of 1:100 MSC Attachment Solution
96-well	0.34	0.1 ml
24-well	1.9	0.4 ml
12-well	3.9	0.8 ml
6-well / 35 mm ware	9.6	2 ml
6 cm / T 25 Flask	25	5 ml
T75 Flask	75	15 ml



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