

STEMin1™ Attachment Solution

Product Code: TCL206

Intended Use:

STEMin1™ Attachment Solution is a ready-to-use substrate for attachment and expansion of human mesenchymal stem cells cultures, under serum free conditions.

Principle and Interpretation:

STEMin1™ Attachment Solution is a defined, serum free (SF), xeno-free (XF) attachment solution for *in vitro* cultures adherent human mesenchymal stem cells cultures. This attachment factor improves attachment of MSCs to the culture vessel and also allows efficient spreading of cells.

Type of Specimen:

in vitro cultured human mesenchymal stem cells.

Warning and Precautions:

In Vitro Diagnostic Use only. Read the label before opening the container. Wear protective gloves / protective clothing /eye protection /face protection. Follow proper aseptic techniques while handling specimens and cultures. Standard precautions as per established guidelines should be followed while handling clinical specimens. Safety guidelines may be referred in individual safety datasheets.

Directions:

1. Thaw the bottle of STEMin1™ Attachment Solution and bring it to room temperature.
2. Aseptically add this solution to the culture vessel as per recommended volumes mentioned in Table 1.
3. Incubate the vessel overnight at 37°C.

Note: For uniform coating, make sure that the incubator is properly levelled.

4. Aspirate the solution with the help of pipette.
5. If vessel is not used immediately, store the coated vessel at 2 – 8°C up to one week.

Note: Flask should be kept with caps tightly closed and plates should be sealed with a parafilm during storage.

Culture vessel	Volume
96 well plate	100µl per well
48 well plate	150µl per well
24 well plate	300µl per well
12 well plate	500µl per well
6 well plate	1ml per well
T25 flask	2 – 3ml per flask
T75 flask	5 – 6ml per flask

Materials required but not provided:

STEMin1™ Defined, Serum-free, Xeno-free medium for expansion of human stem cells (AL520)
STEMin1™ Dissociation Solution (TCL208)
STEMin1™ Neutralizer Solution (TCL209)

Limitations:

Not applicable.

Quality Control:

Appearance

Colorless, clear solution.

Sterility

No bacterial or fungal growth is observed after 14 days of incubation, as per USP specification.

Performance test

Optimum attachment and expansion of Human MSCs under serum free conditions.

Storage and Shelf Life:

Shelf life of the product is 24 months. Upon receipt store at -20°C in a freezer that is not self-defrosting.

Repeated freezing and thawing reduces enzymatic activity and should be avoided. Once thawed, the solution can be aliquoted in smaller volumes and frozen for future use.

Use before expiry date given on the product label.

References:

1. Isenberg, H.D. Clinical Microbiology Procedures Handbook. 2nd Edition.
2. Jorgensen, J. H., Pfaller, M.A., Carroll, K.C., Funke, G. Landry, M.L., Richter, S.S and Warnock., D.W. (2015), Manual of Clinical Microbiology, 11th Edition. Vol. 1.

Disposal:

User must ensure safe disposal by autoclaving and /or incineration of used or unusable preparations of this product. Follow established laboratory procedures for disposing infectious materials. The materials that come into contact with clinical samples must be decontaminated and disposed of in accordance with current laboratory techniques ^{1,2}.



In vitro diagnostic medical device



CE Marking



Consult instructions for use



Do not use if package is damaged



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Single use.
Not intended to be
reprocessed and/or used on
another patient

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