

# SUPERCULTURE Mesenchymal Stem Cell Basal Medium

Cat#: 6114011/6114021

## [Product Name]

Mesenchymal Stem Cell Basal Medium

## [Product Description]

As a GMP-grade basal medium dedicated to the culture of human mesenchymal stem cells (hMSCs), Mesenchymal Stem Cell Basal Medium (MSCBM) requires serum or serum substitute mixed into complete medium prior to use, and EliteGro from EliteCell is recommended as the serum substitute.

## [Model & Specification]

Product name	Cat. No.	Size	Model
Mesenchymal Stem Cell Basal Medium	6114011	500 mL	Type A
	6114021	500 mL	Type B

**\*Type A is the medium with phenol red. Type B is the medium without phenol red.**

## [Product Parameters]

Glucose	Low glucose
Supplements	Need supplement
Glutamine	Glutamine
Antibiotic	No antibiotic
Sodium Bicarbonate Buffer	Sodium bicarbonate
HEPES Buffer	No HEPES

## [Storage Conditions and Validity Period]

- Mesenchymal Stem Cell Basal Medium: Keep away from light at 2°C~8°C, valid for 1 year.

## [Directions for Use]

**Take the preparation of 500 mL complete medium as an example (note that the following operations are performed aseptically):**








1. Prepare 475 mL of MSCBM and restore it to room temperature.
2. Prepare 25 mL of EliteGro and thaw in a 37°C water bath; centrifuge 3400 ×g for 3~5 min and take the supernatant or filter directly with a 40 μm cell strainer.
3. Centrifuged or filtered 25 mL of EliteGro was added to 475 mL of MSCBM to give a 5% concentration of complete medium (ordinary version of EliteGro also requires heparin sodium and Advanced version of EliteGro does not require heparin sodium).
4. The prepared MSC complete medium can be stored at 2~8°C away from light for 2 weeks.

**Reminder: If necessary, the user can prepare the required dosage according to the ratio, or add antibiotics by himself/herself, for example, add penicillin/streptomycin into the complete medium at a dilution factor of 1:100.**

## [Notes]

- Avoid repeated freezing and thawing, and pay attention to operate in an aseptic condition.
- This medium is a GMP-grade product for subsequent manufacturing and laboratory use.

**[Description of Product Symbol]**

Product Symbol	Description	Product Symbol	Description
	Catalogue number		Batch code
	Date of manufacture		Consult instructions for use
	Use-by date		Temperature limitation
	Keep away from sunlight	/	/

**[Related Products]**

Product name	Cat. No.	Size
EliteGro	EPG-050	50 mL
EliteGro-Advanced	EPA-050	50 mL
EliteGro-Advanced (GMP Grade)	EPAGMP-050	50 mL
DPBS	6062011	500 mL
Trypsin Solution	6063111	100 mL
Serum-free Cell Freezing Medium (2×)	6032011	100 mL
α-MEM Medium	6016211, 6016221	500 mL

**[Instruction Revision Date]**

2024.03.27

**[Company Information]**
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