

## MSC EZ Cult

DMEM/F-12, EGF, FGF, PDGF, Human Serum Albumin (U.S.P), Pyruvate acid,  
L-Glutamine, human fibronectin

**Catalog number: 112, 113**

**Size:** 100mL, 500 mL

### Intended Use:

MSC EZ Cult is a specialized medium for umbilical cord blood or bone marrow-derived mesenchymal stem cell expansion

MSC EZ Cult I is for *in vitro* use only. Not suitable for diagnostic, therapeutic and clinical procedures.

### Summary and Explanation:

Different from MSC EZ Cult Primary, MSC EZ Cult is not added by Gelfix reagent.

MSC EZ Cult is a serum-free medium. Therefore you do not use trypsin/EDTA during the subculturing process. Deattachment Reagent is recommended instead of trypsin/EDTA.

The medium is added L-glutamine, phenol red, without antibiotic-mycotic, without animal serum. This product contains GMP grade human serum albumin, epidermal growth factor, basic fibroblast growth factors.

MSC EZ Cult does not contain antibiotics and antimycotics, diminishing any perturbation on stem cells which is ideal for scientific research and manufacturing purposes.

### Known Applications:

MSC EZ Cult demonstrates a good proliferative effect on mesenchymal stem cells from umbilical cord and bone marrow

### Reagents Provided:

- 100 mL MSC EZ Cult I *or*
- 500 mL MSC EZ Cult I

### Reconstitution, Dilution and Mixing:

MSC EZ Cult I is prepared at 1X concentration. No dilution is required.

### Materials and Reagents Required But Not Provided:

Not applicable.

### Storage and Stability:

Stored at -20 – 8°C. Avoid prolonged light exposure.

Shelf life at 12 months.

### Instructions for Use:

*For culturing cells*

1. Collect cell pellet. Resuspend cells in PBS, Washing Buffer or MSC EZ Cult I. Mix thoroughly to achieve a homogenous cell suspension.
2. Remove a sample for cell counting. Determine total number cells.
3. Pipet the appropriate volume of cell suspension according to recommended seeding density, into cell culture vessels.
4. Add an appropriate amount of MSC EZ Cult I (\*) according to the culture vessels (0.15 mL/cm<sup>2</sup>). Return cells to the incubator.

\* *Pre-warming media is optional.*

### Limitations:

Not applicable

### Quality Control:

- pH: 7.2 – 8.2
- Colour: Clear red-pink
- Osmolality: 286-356 mOsm/kg
- Sterility: Negative
- Mycoplasma: <0.9 RLU/s
- Endotoxin: ≤ 1 EU/mL
- Volume: 100 (+1) mL, 500 (+5) mL
- Mesenchymal stem cell culture assay
  - Adhesion ability: Yes

- Peeling/shrink phenomenon: No
- Proliferation ability: Yes

**Precautions:**

Do not use the product if the packaging is compromised or cracked and/or the media shows discolouration and cloudy appearance.









MSC EZ Cult is sold under frozen condition. Before using, media should be defrosted and repetitively pipetted to be mixed thoroughly.

**Troubleshooting:**

Not applicable

**Explanation of symbols and warnings**

The symbols on produce label are explained below:

			
Use By:	Batch code	Keep away from light	Catalog number
			
Temperature Limitation	Consult instructions for use	Caution, consult accompanying documents	Sterilized using aseptic processing techniques

**Related products**

Products	Catalog No.
<b>Washing Buffer</b>	
100 mL	149
500 mL	150
<b>MSC EZ Cult primary</b>	
100 mL	114
500 mL	115
<b>Deattachment</b>	
100 mL	120

To purchase other products, please visit:

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