

ADSCCult I

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

Catalog number: 116, 117

Size: 100mL, 500 mL

Intended Use:

ADSCCult I is a ready-to-use media, designed especially for supporting the growth and proliferation of adipose-derived mesenchymal stem cells.

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

Summary and Explanation:

ADSCCult I has been developed to maintain and maximise the growth of mesenchymal stem cells from adipose tissue in culture setting. ADSCCult I is a complete and xeno-free media, enriched with human serum albumin (U.S.P) and essential growth factors. Further, HEPES buffer is added to maintain physiological pH of ADSCCult I when being handled both inside and outside of an incubator.

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

Known Applications:

ADSCCult I demonstrates good proliferative effect on mesenchymal stem cells from adipose tissue from both human and mice.

Reagents Provided:

- 100 mL ADSCCult I
- 500 mL ADSCCult I

Reconstitution, Dilution and Mixing:

ADSCCult 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 1 mL PBS or Washing Buffer or ADSCCult 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 ADSCCult I (*) according to the culture vessels (0.12 mL/cm²). 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.

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.
Washing Buffer	
100 mL	149
500 mL	150
ADSCCult I primary	
100 mL	148
Deattachment	
100 mL	120
500 mL	121

To purchase other products, please visit:

<http://biomedmart.org>

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