CEFO 세포바이오
CELL ENGINEERING FOR ORIGIN

Products Description

Human Bone Marrow-derived MSC System

Specifications	
Recommended passage	≤ Passage 7
Recommended storage period	≤ 6 months
Cryopreserved primary culture cell number	≥ $5x10^5$cells/vial
Cryopreserved primary culture cell passage	Passage 1
Sex	Male/Female
Quality Control	
Mycoplasma test	Negative
Detection of HIV-1 virus	Negative
Detection of Hepatitis B virus	Negative
Detection of Hepatitis C virus	Negative
Syphilis	Negative
Characterization	
CD31 ; Flow cytometry	Negative
CD73/SH3 ; Flow cytometry	Positive
CD105/SH2 (Endoglin) ; Flow cytometry	Positive

Related Product	Catalogue No.
Human Bone Marrow-derived MSC (Male, 1vial)	CB-BMMSC-001
Human Bone Marrow-derived MSC (Male, Cultured BMMSC in T75 Flask 1ca)	CB-BMMSC-002
Human Bone Marrow-derived MSC Kit Ⅰ: Male 1vial (Growth Media 500ml, Freezing Media 10ml)	CB-BMMSC-003
Human Bone Marrow-derived MSC Kit Ⅱ: Male T75 1ca (Growth Media 500ml, Freezing Media 10ml)	CB-BMMSC-004
Human Bone Marrow-derived MSC (Female, 1 vial)	CB-BMMSC-005
Human Bone Marrow-derived MSC (Female, Cultured BMMSC in T75 Flask 1ca)	CB-BMMSC-006
Human Bone Marrow-derived MSC Kit Ⅰ: Female 1vial (Growth Media 500ml, Freezing Media 10ml)	CB-BMMSC-007
Human Bone Marrow-derived MSC Kit Ⅱ: Female T75 1ca (Growth Media 500ml, Freezing Media 10ml)	CB-BMMSC-008
Human Bone Marrow-derived MSC Growth Medium CEFOgro™ BMMSC : Basal Medium (500ml), Supplements (50ml)	CB-BMMSC-GM

User Restrictions

These products cells are distributed for Research Use Only, not for use in diagnostic or therapeutic procedure. Cultures have a limited lifespan *in Vitro* therefore an instant use is recommended. CEFO guarantees successful outcome ONLY if CEFO media and reagents are used and the accompanying protocols instructions are followed.

Thawing and Maintenance

1. Thaw frozen cells, quickly in water bath at 37℃ within 3mins and wipe surface of the cryo-vial with 70% alcohol.
2. Transfer the cells to a 15ml tube and centrifuge 1,500rpm 3mins.
3. Discard the supernatant.
4. Wash the cells by PBS or basal medium, twice by centrifuging at 1,500rpm for 3mins.
5. Seed in 100φ culture dish or T75 culture flask.
6. Culture the cells at 37℃, 5% CO_2 in incubator until 70~90 confluence and split into new dishes/flasks.
   a. Aspirate medium and wash the cells with PBS twice.
   b. Add detaching enzyme such as Trypsin and incubate at 37℃, 5% CO_2 for 5mins (leave longer if necessary).
   c. For inactivation of enzyme such as Trypsin/EDTA, centrifuge cells with culture medium (CB-BMMSC-GM), at 1,500rpm for 3mins.
   d. Remove the supernatant and using culture medium.
   (CB-BMMSC-GM, approximately 5,000 cells/Cm^2).

Caution: Do not allow the cells to become confluent.