

XXXXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX - XXXXX XXXXXXXXXXXX (HMSC-BM) | 300665

XXXXXXXXXX XX

[illegible]

XXXXXXXXXX

Category	Value
Age	100000 1000000000
Gender	100000 1000000000
Ethnicity	1000000
Morphology	1000000000 100000 1000000000 1000000000 1000 100000 1000000000 1000000000 100000 1000 100000 5 100000 1000 1000000 1000000 1000 1000 2% 1000000
Cell type	1000000000 1000000000
Growth properties	1000000

XIX

Citation	XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX XXXXX XXXXXXX (HMSC-BM) (XXXXXXXXXX XXXXXXXXXX XXXX 300665)
Biosafety level	1
NCBI_TaxID	9606

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Product sheet

Human embryonic kidney fibroblasts (HEK293T) - HMSC-BM) | 300665

Antigen expression CD73/CD90/CD105 (positive) CD14/CD34/CD34/CD45/HLA-DR (negative)

Viruses Adenovirus (AdV) (negative) Adenovirus (AdV) (negative)

HEK293T

Culture Medium Alpha MEM 2.0 (Gibco) / 1.0 (Gibco)

Supplements 10% FBS / 2% BFGF

Dissociation Reagent Trypsin-EDTA

Subculturing 1:3 split ratio

Seeding density 1 x 10⁴ cells / well

Fluid renewal 24 hours / 3 times

Freeze medium 80% FBS + 10% DMSO + 10% CM-1 (Cytion)

Human Mesenchymal Stem Cells (HMSC-BM) | 300665

**Thawing and
Culturing Cells**

1. Thaw the vial quickly in a water bath at 37°C. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 × g for 3 minutes. Remove the supernatant and resuspend the cells in 1-2 ml of medium.
3. Seed the cells into a pre-warmed T75 flask containing 37 ml of medium.
4. Incubate the cells at 37°C in 5% CO₂. The cells should reach 70% confluency within 7-10 days.
5. Once the cells reach 70% confluency, they can be passaged. Seed 15 × 10⁴ cells into a T75 flask.
6. The cells should reach 70% confluency within 7-10 days.
7. Once the cells reach 70% confluency, they can be passaged. Seed 15 × 10⁴ cells into a T75 flask.
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**Incubation
Atmosphere**

37 °C, 5% CO₂

Flask Coating

Flasks should be coated with 0.1% gelatin solution.

**Freezing
Procedure**

Cells should be frozen in 1 ml of freezing medium and stored at -80°C.

**Shipping
Conditions**

Cells should be shipped at 4°C in a cool box.

**Storage
Conditions**

Cells should be stored at -150 to -196 °C in liquid nitrogen.

HLA

Sterility

Cells should be tested for sterility (PCR) and mycoplasma contamination. The cells should be negative for all tests.