

SKM-1 | 305627

Antigen expression CD3-, CD4(+), CD13+, CD14-, CD15+, CD19-, CD33+, HLA-DR+;

Viruses EBV-, HBV-, HCV-, HIV-1-, HIV-2-, HTLV-1/2-, MLV-, SMRV-

Mutational profile ASXL1, p.Tyr591Ter (c.1773C>A), BCORL1, c.4619-1G>A, p.Lys117Asn (c.351A>C), TP53, p.Arg248Gln (c.743G>A),

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Culture Medium RPMI 1640, w: 2.0 mM NaH_2PO_4 , w: 2.0 g/L NaHCO_3 (Cytion 820700a)

Supplements 15% FBS

Dissociation Reagent

Doubling time 48 h

Split ratio 1:2 to 1:4

Seeding density 0.3×10^6 cells/cm²

Fluid renewal 2 to 3 times per week

Freeze medium DMEM + 10% FBS + 10% DMSO

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Thawing and Culturing Cells

1. **Thawing:** Thaw the vial rapidly in a 37°C water bath. Transfer the cells to a pre-warmed medium.
2. **Centrifugation:** Centrifuge the cells at 300 x g for 3 minutes. Remove the supernatant and wash the cells with pre-warmed medium.
3. **Resuspension:** Resuspend the cells in pre-warmed medium. Seed the cells into a 15 cm² flask at a density of 8 x 10⁶ cells per flask.
4. **Medium Change:** After 24 hours, change the medium to fresh pre-warmed medium. The medium should be replaced every 3-4 days.
5. **Confluency:** The cells should reach 70% confluency within 7-10 days. Once confluent, the cells can be passaged.
6. **Passaging:** Pass the cells into a new flask using trypsin. Seed the cells at a density of 8 x 10⁶ cells per flask.
7. **Storage:** The cells can be stored in liquid nitrogen for long-term storage. Store the cells at -150°C.
8. **Quality Control:** Perform PCR genotyping to confirm the identity of the cells. The cells should be tested for mycoplasma contamination.

Incubation Atmosphere

37°C, 5% CO₂, humidified air

Flask Coating

Yes

Shipping Conditions

Cells should be shipped on dry ice at -78°C.

Storage Conditions

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

Genotype / HLA

Sterility

Cells are tested for mycoplasma contamination using PCR. The cells are found to be free of mycoplasma.

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