

Product sheet

OCI-AML3 | 305432

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Viruses Ebv -, hbv -, hcv -, hiv-1 -, hiv-2 -, htlv-1/2 -, mlv -, smrv -

Mutational profile 2978 DNMT3A p.Arg882Cys (c.2644C>T) NRAS p.Gln61Leu (c.182A>T) NPM1 p.Trp (c.860_863dupTCTG)

Karyotype 48(45-50)<2n>X,XY+1+5+8der(1)t(1;18)(p11;q11)i(5p)del(13)(q13q21)dup(17)(q21)

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Culture Medium RPMI 1640 2.0 2.0 2.0 NaHCO3 (820700a)

Supplements 20 FBS

Doubling time 30-40

Split ratio 1:3 1:4

Seeding density 2 5 1/

Fluid renewal 2 3

Freeze medium (FBS) + 10% DMSO

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Thawing and Culturing Cells

1. Thaw the vial rapidly in a 37°C water bath. Remove the vial and centrifuge at 300 × g for 3 minutes. Discard the supernatant and resuspend the cells in 1 mL of pre-warmed complete medium.
2. Seed the cells into a 25 cm² flask containing 10 mL of pre-warmed complete medium. Incubate at 37°C in 5% CO₂.
3. After 24 hours, check for cell attachment. If cells are not attached, centrifuge at 300 × g for 3 minutes and resuspend in 1 mL of complete medium. Seed into a new flask.
4. Once cells are attached, add 10 mL of complete medium. Change the medium every 3-4 days. When cells reach 70% confluency, passage them.
5. For passage, trypsinize the cells and resuspend in 1 mL of complete medium. Seed into a new flask.
6. The cells should reach 70% confluency within 3-4 days. Pass them again.
7. The cells should reach 70% confluency within 3-4 days. Pass them again.
8. The cells should reach 70% confluency within 3-4 days. Pass them again.

Incubation Atmosphere 37 °C, 5% CO₂

Flask Coating No coating

Shipping Conditions Dry ice, -78 °C

Storage Conditions -150 °C to -196 °C

HLA

Sterility Sterility testing: PCR