

Product sheet

OCI-AML3 | 305432

Cell line: OCI-AML3

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), (c.860_863dupTCTG),
Karyotype	48(45-50)<2n>X/XY, +1, +5, +8, der(1)t(1;18)(p11;q11), i(5p), del(13)(q13q21), dup(17)(q21q25) -

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Culture Medium	RPMI 1640, w: 2.0 mM , w: 2.0 g/L NaHCO3 (Cytion 820700a)
Supplements	20% FBS
Doubling time	30-40
Split ratio	1:3 1:4
Seeding density	2 x 10 ⁵ /cm ²
Fluid renewal	2-3
Freeze medium	(FBS) + 10% DMSO

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Thawing and
Culturing Cells

1. Thaw cells rapidly by placing the vial in a water bath at 37°C. Remove the vial as soon as the cells are thawed and transfer the cells to a pre-warmed tube.
2. Centrifuge the cells at 300 x g for 3 minutes. Remove the supernatant and resuspend the cells in 1 ml of pre-warmed medium.
3. Seed the cells into a pre-warmed flask (15 cm² or 8 cm²) containing 10 ml of pre-warmed medium.
4. Incubate the cells at 37°C in 5% CO₂ atmosphere.
5. Monitor cell growth and morphology daily. Cells should reach confluence within 7-10 days.
6. Harvest cells by trypsinization when needed for experiments.
7. Store cells in liquid nitrogen for long-term storage.
8. Thaw cells for re-cultivation as described above.

Incubation
Atmosphere

37°C, 5% CO₂, humidified

Flask Coating

Not required

Shipping
Conditions

Cells are shipped in dry ice at -78°C.

Storage
Conditions

Cells can be stored in liquid nitrogen for up to 12 months.

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Sterility

Cells are tested for mycoplasma contamination using PCR. Cells are also tested for endotoxin levels. All cells are found to be free of contamination.