

Product sheet

FO-1 (MEL-CLS-1) | 300175

Protein expression	P53(+)
Tumorigenic	Yes, tumorigenic in nude mice
Viruses	Adenovirus, Herpesvirus, Influenza, Kaposi's sarcoma-associated herpesvirus (KSHV), Measles, Mumps, Reo 3, PVM, LCM, M.pulmonis, MVM, Theiler's GD VII, Toolan's H-1, MHV, B.piliformis.
Mutational profile	BRAF V600Emut
Karyotype	Human karyotype 46, XY, 38-56

Characteristics

Culture Medium	DMEM, w: 4.5 g/L D-glucose, w: 4 mM L-glutamine, w: 3.7 g/L NaHCO ₃ , w: 1.0 mM sodium pyruvate (Cytion 820300a)
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Supplements	10% FBS
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Dissociation Reagent	Trypsin
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Subculturing	Cells are grown in DMEM supplemented with 10% FBS. For subculturing, cells are trypsinized and resuspended in DMEM supplemented with 10% FBS. Cells are seeded into T25 flasks at a density of 1 x 10 ⁴ cells per flask. Media is replaced every 3 days.
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Seeding density	1 x 10 ⁴ cells/flask
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Fluid renewal	3 times per week
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Post-Thaw Recovery	After thawing, cells are seeded into T25 flasks at a density of 1 x 10 ⁴ cells per flask. Media is replaced every 24 hours.
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Freeze medium	DMEM supplemented with 10% FBS + 10% DMSO
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Thawing and Culturing Cells

1. Thaw the cells quickly in a water bath at 37°C. Do not allow the cells to warm up to room temperature. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in pre-warmed medium.
3. Seed the cells into a pre-warmed flask. Incubate at 37°C with 5% CO₂.
4. Monitor cell growth and confluency. Harvest cells at 70% confluency.
5. Seed cells into a 15 mL flask or an 8 mL flask.
6. Seed cells into a 300 x g flask for 3 minutes.
7. Seed cells into a 10 mL flask.
8. Seed cells into a 150 x g flask.

Incubation Atmosphere

37°C, 5% CO₂, humidified

Flask Coating

Yes

Freezing Procedure

Freeze cells in a freezing medium and store at -78°C.

Shipping Conditions

Ship cells at -78°C.

Storage Conditions

Store cells at -150°C for 196 weeks.

HLA

Sterility

Cells are sterile and free of mycoplasmas. PCR screening is performed. Cells are free of endotoxins.