



**U87MG | 300367**

**Characteristics**

**Isoenzymes** Me-2, 1, PGM3, 1, PGM1, 2, ES-D, 1, AK-1, 1, GLO-1, 1, G6PD, B

**Tumorigenic** Yes, tumorigenic in nude mice. Inoculation of 10<sup>7</sup> cells

**Applications**

**Culture Medium** EMEM (MEM Eagle), w: 2 mM L-Glutamine, w: 2.2 g/L NaHCO<sub>3</sub>, w: EBSS (Cytion 820100a)

**Supplements** 10% FBS 1% NEAA

**Dissociation Reagent** Trypsin

**Subculturing** Cells are grown in MEM Eagle supplemented with 10% FBS and 1% NEAA. Cells are passaged into fresh medium containing 10% FBS and 1% NEAA. Cells are grown on T25 flasks, 3-5 x 10<sup>7</sup> cells per flask. Cells are harvested by trypsinization and centrifugation. Cells are resuspended in MEM Eagle supplemented with 10% FBS and 1% NEAA.

**Seeding density** 4 x 10<sup>4</sup> cells/cm<sup>2</sup>

**Freeze medium** 50% FBS + 40% DMSO + 10% CM-1 (Cytion 800100), 10% FBS

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**Thawing and Culturing Cells**

1. Thaw the cells in a water bath at 37°C. Transfer the cells to a pre-warmed medium.
2. Seed the cells into a well of a 96-well plate. Incubate at 37°C with 5% CO<sub>2</sub>.
3. After 24 hours, replace the medium with fresh medium.
4. Harvest the cells after 72 hours. Seed into a new well.
5. Repeat the process for 15 days. Harvest after 8 days.
6. Harvest the cells after 300 x g for 3 days. Incubate at 37°C with 5% CO<sub>2</sub>.
7. Harvest the cells after 10 days. Incubate at 37°C with 5% CO<sub>2</sub>.
8. Harvest the cells after 10 days. Incubate at 37°C with 5% CO<sub>2</sub>.

**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>, humidified

**Flask Coating** Adherent, non-adherent

**Freezing Procedure** Freeze cells in a freezing medium at -80°C.

**Shipping Conditions** Ship cells at -80°C.

**Storage Conditions** Store cells at -150°C for 196 days.

**U87MG / U87MG / HLA**

**Sterility** Sterile, PCR negative, HLA negative

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HLA

**A\***: 02:01:01

**B\***: '44:02:01

**C\***: 05:01:01

**DRB1\***: 15:01:01

**DQA1\***: 01:02:01

**DQB1\***: 06:02:01

**DPB1\***: 06:01:01

**E**: 01:01:01