



### NCI-H23 | 305044

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**Culture Medium** RPMI 1640, w: 2.0 mM  $\beta$ -mercaptoethanol, w: 2.0 g/L NaHCO<sub>3</sub> (Cytion 820700a)

**Supplements** 10% FBS

**Dissociation Reagent**

**Doubling time** 38

**Subculturing** 1-3  $\times$  10<sup>5</sup> cells per well in 100  $\mu$ l of medium in 96-well plates. 1-3  $\times$  10<sup>6</sup> cells per well in 25 cm<sup>2</sup> flasks. 1-3  $\times$  10<sup>7</sup> cells per well in 75 cm<sup>2</sup> flasks.

**Split ratio** 1:3 - 1:4

**Fluid renewal** 2 - 3 times per week

**Freeze medium** RPMI 1640, w: 2.0 mM  $\beta$ -mercaptoethanol, w: 2.0 g/L NaHCO<sub>3</sub> (Cytion 820700a) + 10% FBS + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw the vial quickly in a 37°C water bath. Add 1 ml of pre-warmed medium to the vial and mix gently.
  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 96-well plate at a density of 100 cells per well. Incubate for 24 hours.
  4. Seed the cells into a 25 cm<sup>2</sup> flask at a density of 10<sup>5</sup> cells per flask. Incubate for 24 hours.
  5. Seed the cells into a 75 cm<sup>2</sup> flask at a density of 10<sup>7</sup> cells per flask. Incubate for 24 hours.
  6. Seed the cells into a 100 cm<sup>2</sup> flask at a density of 10<sup>8</sup> cells per flask. Incubate for 24 hours.
  7. Seed the cells into a 200 cm<sup>2</sup> flask at a density of 10<sup>9</sup> cells per flask. Incubate for 24 hours.
  8. Seed the cells into a 400 cm<sup>2</sup> flask at a density of 10<sup>10</sup> cells per flask. Incubate for 24 hours.

Product sheet

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

**Flask Coating** CellTreat

**Freezing Procedure** Harvest cells into 15ml centrifuge tubes, wash with PBS, centrifuge at 300g for 5 min, resuspend in 1ml freezing medium, aliquot into 1ml cryovials, store at -78°C

**Shipping Conditions** Ship at -78°C in dry ice

**Storage Conditions** Store at -150 to -196°C in liquid nitrogen

STR / HLA

**Sterility**

PCR products are tested for contamination. All products are sterile and free of mycoplasma.

- STR: Amelogenin: x,x, CSF1PO: 10, D13S317: 12, D16S539: 11, D5S818: 12,13, D7S820: 9,1, TH01: 6, TPOX: 8,9, vWA: 16,17, D3S1358: 15, D21S11: 30, D18S51: 14, Penta E: 7,17, Penta D: 8, D8S1179: 15, FGA: 24, D6S1043: 12, D2S1338: 18,23, D12S391: 15,17, D19S433: 12,14