

Product sheet

NCI-H3122 | 300484

Culture Medium RPMI 1640, w: 2.0 mM β -mercaptoethanol, w: 2.0 g/L NaHCO₃ (Cytion 820700a)

Supplements 10% FBS

Dissociation Reagent

Subculturing Cells are harvested by trypsinization of confluent cultures using Trypsin-EDTA (Cytion 820700a) and centrifuged at 300 x g for 5 min. Cells are resuspended in PBS containing penicillin (100 U/ml), streptomycin (100 U/ml), and nystatin (40 U/ml). Cells are then seeded into new flasks.

Freeze medium RPMI 1640, w: 2.0 mM β -mercaptoethanol, w: 2.0 g/L NaHCO₃ (Cytion 820700a), 10% FBS + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw cells rapidly in a 37°C water bath.
 2. Centrifuge cells at 300 x g for 5 min and resuspend in PBS.
 3. Wash cells by centrifugation at 300 x g for 5 min in PBS.
 4. Resuspend cells in fresh medium containing 10% FBS.
 5. Seed cells into a T25 flask at a density of 1.5 x 10⁵ cells per flask.
 6. Incubate cells in a humidified 5% CO₂ incubator at 37°C.
 7. Monitor cell growth and passage cells when they reach 70-80% confluency.
 8. Harvest cells by trypsinization and centrifugation.

Incubation Atmosphere 37°C, 5% CO₂

Flask Coating

Freezing Procedure

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**Shipping
Conditions**

Store at -78°C

**Storage
Conditions**

Store at -150 to 196 °C

STR / HLA

Sterility

PCR ready

Free of DNAse, RNAse, and proteinase

STR

- Amelogenin: x,x
- CSF1PO: 11,12
- D13S317: 10,12
- D16S539: 11,12
- D5S818: 11,12
- D7S820: 8,12
- TH01: 7,9.3
- TPOX: 10,1
- vWA: 16,16
- D3S1358: 16,16
- D21S11: 28,29
- D18S51: 13,16
- Penta E: 12,12
- Penta D: 10,13
- D8S1179: 13,15
- FGA: 18,21

HLA

- A*: 03:01:01
- B*: '35:01:01
- C*: 04:01:01
- DRB1*: 13:01:01
- DQA1*: 01:03:01
- DQB1*: 06:03:01
- DPB1*: 14:01:01
- E: 01:03:02