

XXXX SJSA-1 | 305096

[illegible]

XXXXXXXXXXXX

Age	20 00000
Gender	000
Ethnicity	00000000
Morphology	0000000000
Growth properties	000

Citation	SJSA-1 (  Cytion 305096)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1697

XXXXXX

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

Supplements β -mercaptoethanol 10% FBS

Dissociation Reagent β -mercaptoethanol

Doubling time 31 days

Subculturing Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS. Cells are harvested by trypsinization with 2.5 mg/ml trypsin and 2.2 mg/ml EDTA. Cells are resuspended in PBS and counted. Cells are seeded into new flasks at a density of 1 x 10⁶ cells per flask.

Split ratio 1:5 to 1:10

Fluid renewal 2 to 3 times per week

Freeze medium β -mercaptoethanol, β -mercaptoethanol, β -mercaptoethanol (10% FBS) + 10% DMSO. Cells are frozen in this medium and stored at -80°C.

Thawing and Culturing Cells

1. Cells are thawed in a 37°C water bath and resuspended in RPMI 1640 medium supplemented with 10% FBS.
2. Cells are counted and seeded into new flasks at a density of 1 x 10⁶ cells per flask.
3. Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS.
4. Cells are harvested by trypsinization with 2.5 mg/ml trypsin and 2.2 mg/ml EDTA.
5. Cells are resuspended in PBS and counted.
6. Cells are seeded into new flasks at a density of 1 x 10⁶ cells per flask.
7. Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS.
8. Cells are harvested by trypsinization with 2.5 mg/ml trypsin and 2.2 mg/ml EDTA.

Incubation Atmosphere 37°C, 5% CO₂, β -mercaptoethanol

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Flask Coating

Fluoropolymer

**Freezing
Procedure**

For freezing, the cells should be seeded into the flask and allowed to attach. The medium should be removed and the cells washed with PBS. The cells should then be resuspended in freezing medium and frozen at -78°C.

**Shipping
Conditions**

The cells should be shipped on dry ice at -78°C.

**Storage
Conditions**

The cells should be stored at -150 to -196 °C in liquid nitrogen. The storage time is unlimited.

Applications

Sterility

The cells are supplied as a suspension in DMEM/F12 medium. The medium is sterile and the cells are free of mycoplasmas. PCR screening has been performed to confirm the absence of mycoplasmas.

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