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Isoenzymes G6PD, A

Virus susceptibility Herpesvirus (HSV-1), Adenovirus 1

Reverse transcriptase Negative

Karyotype 46, XX, t(11;22)(p11;p11), inv(14)(p11), der(17)t(11;17)(p11;p11)

Characteristics

Culture Medium Ham's F12, w: 1.0 mM $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$, w: 1.0 mM $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$, w: 1.1 g/L NaHCO_3 (Cytion 820600a)

Supplements 10% FBS, 1 ng/mL bFGF

Dissociation Reagent Trypsin

Subculturing Cells are maintained in Ham's F12 medium supplemented with 10% FBS and 1 ng/mL bFGF. For passaging, cells are trypsinized and resuspended in PBS containing penicillin, streptomycin, and nystatin. Cells are then seeded into T25 flasks in Ham's F12 medium supplemented with 10% FBS and 1 ng/mL bFGF.

Seeding density 1×10^4 cells/cm²

Post-Thaw Recovery Cells are thawed in a 37°C water bath and immediately added to a pre-warmed medium. Cells are allowed to recover for 24 hours before use.

Freeze medium Ham's F12 medium supplemented with 10% FBS and 10% DMSO

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Thawing and Culturing Cells

1. Thaw the vial rapidly in a water bath at 37°C. Do not allow the cells to reach room temperature. Transfer the cells to a pre-warmed medium.
2. Seed the cells into a pre-warmed flask containing 15 mL of medium. Incubate at 37°C with 5% CO₂.
3. Once the cells have reached confluence, passage them into a new flask. Use a trypsin solution to detach the cells.
4. Seed the cells into a new flask containing 15 mL of medium. Incubate at 37°C with 5% CO₂.
5. Once the cells have reached confluence, passage them into a new flask. Use a trypsin solution to detach the cells.
6. Seed the cells into a new flask containing 15 mL of medium. Incubate at 37°C with 5% CO₂.
7. Once the cells have reached confluence, passage them into a new flask. Use a trypsin solution to detach the cells.
8. Seed the cells into a new flask containing 15 mL of medium. Incubate at 37°C with 5% CO₂.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating None

Freezing Procedure Harvest cells into a pre-cooled tube. Add 1 mL of freezing medium. Store at -80°C.

Shipping Conditions Store at -80°C. Ship on dry ice.

Storage Conditions Store at -150°C for up to 196 months.

Genotype / HLA

Sterility The cells are free of mycoplasmas and other contaminants. PCR screening is performed.