

AU565 | 305313

Receptors expressed EGFR (EGF)

Oncogenes KRAS/HRAS (RAS pathway) PI3K+ AKT+ RAS53+

Mutational profile TP53 p.Arg175His (c.524G>A) PTEN

Culture Medium RPMI 1640 2.0 mM Glucose 2.0 mM NaHCO3 (820700a)

Supplements 10% FBS

Dissociation Reagent Trypsin

Subculturing 1:2 split into PBS

Fluid renewal 1:2 split

Freeze medium 10% FBS + 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.
2. Add the cells to a pre-warmed medium in a 150 cm² flask.
3. Incubate the cells at 37°C in a humidified atmosphere of 5% CO₂.
4. After 24 hours, check the cell attachment. If the attachment is less than 70%, add more cells.
5. After 48 hours, check the cell attachment. If the attachment is less than 80%, add more cells.
6. After 72 hours, check the cell attachment. If the attachment is less than 90%, add more cells.
7. After 96 hours, check the cell attachment. If the attachment is less than 95%, add more cells.
8. After 120 hours, check the cell attachment. If the attachment is less than 98%, add more cells.

Incubation Atmosphere

37°C, 5% CO₂, humidified atmosphere

Flask Coating

Yes

Freezing Procedure

Cells are cryoprotected with 10% FBS and 10% DMSO in DMEM. Store at -80°C.

Shipping Conditions

Cells are shipped in a dry ice container at -78°C.

Storage Conditions

Cells are stored at -150°C to -196°C in liquid nitrogen.

/ / HLA

Sterility

Cells are tested for mycoplasma contamination using PCR. Cells are free of mycoplasma contamination.