



Product sheet

**KYSE520 | 305449**

**Cell Line** - **Characteristics**

**Oncogenes** TP53, MYC

**Mutational profile** TP53, c.376-2A>T, **Genotype**

**Cell Line**

**Culture Medium** Ham's F12, w: 1.0 mM **Glucose**, w: 1.0 mM **Glutamine**, w: 1.1 g/L NaHCO3 (**Glucose** Cytion 820600a) + RPMI 1640, w: 1.0 mM **Glucose** Cytion 820700a); **Glutamine** 1:1

**Supplements** **Glucose** 2% FBS

**Dissociation Reagent** **Trypsin**

**Subculturing** **Cells** are cultured in **DMEM** supplemented with 10% FBS. For passaging, cells are trypsinized and resuspended in **DMEM** supplemented with 10% FBS. Cells are seeded into new flasks at a density of 0.6 - 1.2 x 10<sup>4</sup> cells/cm<sup>2</sup>.

**Seeding density** 0.6 - 1.2 x 10<sup>4</sup> cells/cm<sup>2</sup>

**Fluid renewal** **Medium**

**Freeze medium** **DMEM** supplemented with 10% FBS + 10% DMSO

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**Thawing and  
Culturing Cells**

1. **Thawing:** Thaw the vial rapidly in a 37°C water bath. Do not vortex. Transfer the cells to a pre-warmed tube.
2. **Centrifugation:** Centrifuge at 300 x g for 3 minutes at 4°C. Remove the supernatant and resuspend in 150 µl of pre-warmed medium.
3. **Seeding:** Seed into a 96-well plate (15 µl/well) or a 24-well plate (8 µl/well) in pre-warmed medium.
4. **Medium:** Use DMEM supplemented with 10% FBS for expansion and 1% FBS for differentiation.
5. **Incubation:** Incubate at 37°C in 5% CO<sub>2</sub> atmosphere.
6. **Expansion:** After 24 hours, replace medium and expand in fresh medium.
7. **Differentiation:** After 48 hours, replace medium with differentiation medium.
8. **Harvesting:** Harvest cells after 72 hours for analysis.

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

**Flask Coating** None

**Freezing Procedure** Resuspend cells in 100 µl of freezing medium and freeze at -80°C.

**Shipping Conditions** Store at -80°C.

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

**KYSE520 / KYSE520 / HLA**

**Sterility** The cells are free of mycoplasma and PCR detectable. They are also free of endotoxins.