



SK-N-AS | 305272

SK-N-AS - SK-N-AS

**Tumorigenic** Yes, tumorigenic in nude mice

**Mutational profile** NRAS, p.Gln61Lys (c.181C>A), KRAS

SK-N-AS

**Culture Medium** DMEM, w: 4.5 g/L D-glucose, w: 4 mM L-glutamine, w: 3.7 g/L NaHCO3, w: 1.0 mM beta-mercaptoethanol (Cytion 820300a)

**Supplements** 10% FBS, 1% NEAA

**Dissociation Reagent** Trypsin

**Subculturing** 1:2 to 1:10 in DMEM with 10% FBS and 1% NEAA. For differentiation, use DMEM with 0% FBS, 1% NEAA, and 100 ng/ml BDNF.

**Fluid renewal** 2-3 times per week

**Freeze medium** 50% DMEM + 40% FBS + 10% DMSO, CM-1 (Cytion 800100)

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Thawing and Culturing Cells

1. Thaw the vial quickly in a water bath at 37°C. Do not let the cells sit at room temperature for more than 5 minutes.
2. Add the cells to a pre-warmed medium in a 150 cm<sup>2</sup> flask. The medium should be at 37°C.
3. Gently mix the cells and medium. Incubate the cells in a humidified CO<sub>2</sub> incubator at 37°C.
4. Check the cells daily for attachment. Once the cells are attached, change the medium to fresh pre-warmed medium.
5. When the cells reach confluence, they can be passaged. Seed 15 x 10<sup>6</sup> cells into 8 flasks.
6. The cells should reach confluence in 3-5 days. Once confluent, the cells can be passaged.
7. Seed 10 x 10<sup>6</sup> cells into 10 flasks. The cells should reach confluence in 3-5 days.
8. The cells should reach confluence in 3-5 days. Once confluent, the cells can be passaged.

Incubation Atmosphere

37°C, 5% CO<sub>2</sub>, humidified

Flask Coating

Coated with poly-L-lysine

Freezing Procedure

Resuspend cells in freezing medium and freeze at -80°C

Shipping Conditions

Store at -80°C

Storage Conditions

Store at -150°C for 196 days

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Sterility

Cells are tested for mycoplasma contamination using PCR

Cells are tested for endotoxin contamination