

SH-SY5Y | 300154

SH-SY5Y

Description SH-SY5Y, SK-N-SH, SH-SY5Y, SK-SH-SY5Y, SY5Y, SH-SY5Y

Organism Human

Tissue Brain

Disease Parkinson's disease

Metastatic site Brain

Synonyms SH-Sy5y, SHSY5Y, SHSY-5Y, SK-SH-SY5Y, SY5Y, SH-SY5Y

SH-SY5Y

Age 4

Gender Male

Morphology Neuroblastoma

Cell type Neuroblastoma

Growth properties Adherent

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Citation SH-SY5Y (Cytion 300154)

Biosafety level 1

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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 medium in a 150 cm² flask. The cell density should be approximately 1.5 x 10⁶ cells per flask.
3. Incubate the cells in a humidified atmosphere of 5% CO₂ at 37°C. The medium should be replaced every 2-3 days.
4. Once the cells have reached confluence, they can be used for experiments. The medium should be replaced every 2-3 days.
5. The cells should be maintained in a humidified atmosphere of 5% CO₂ at 37°C. The medium should be replaced every 2-3 days.
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Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating None

Freezing Procedure Harvest cells into a 15 ml tube containing 1 ml of freezing medium. Freeze the cells in a liquid nitrogen vapor phase. Store at -150°C.

Shipping Conditions Store at -150°C. Ship in a dry ice container.

Storage Conditions Store at -150°C. Maximum storage time is 196 days.

HLA

Sterility The cells are free of mycoplasmas and other contaminants. PCR testing is performed on all lots.

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STR

Amelogenin: x,y

CSF1PO: 11

D13S317: 11

D16S539: 8,13

D5S818: 12

D7S820: 7,1

TH01: 7,1

TPOX: 8,11

vWA: 14,18

D3S1358: 15,16

D21S11: 31,31.2

D18S51: 13,16

Penta E: 7,11

Penta D: 10,12

D8S1179: 15

FGA: 23.2,24

D6S1043: 12,18

D2S1338: 17,19

D12S391: 18,22

D19S433: 13,14

HLA

A*: '01:01:01, '24:02:01

B*: '18:01:01, '49:01:01

C*: 07:01:01

DRB1*: 11:04:01, 13:01:01

DQA1*: '01:03:01, '05:05:01

DQB1*: 03:01:01, 06:03:01

DPB1*: '02:01:02, '04:01:01

E: 01:01, 01:03