

SH-SY5Y | 300154

Description	SK-N-SH	SH-SY5Y	SK-N-SH	1970	4
SH-SY5Y					
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	SH-SY5Y				
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Organism

Tissue

Disease

Metastatic site

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

Age 4

Gender

Morphology ()

Cell type

Growth properties

Citation SH-SY5Y(300154)

Biosafety level 1

SH-SY5Y | 300154

NCBI_TaxID 9606

CellosaurusAccession CVCL_0019

Tumorigenic 3-4 .

Karyotype SH-SY5Y , 1 1q 47 . S

Culture Medium EMEM F12 50:50 (820100a 820600a)

Supplements 15% FBS 1% NEAA .

Dissociation Reagent

Subculturing . . PBS (T25 3~5m

Seeding density : 6×10^4 /cm² 1x T25 . 1~2 80~90% . $1 \sim 2 \times 10^4$ /cm²

Fluid renewal 1~2

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

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Thawing and Culturing Cells

1. .
2. -150°C , 3 .
3. 37°C 40~60 .
4. , 70% .
5. 8ml 15ml .
6. 300 x g 3 .
7. 10ml . T25 , T25
8. .

Incubation Atmosphere

37°C, 5% CO₂ .

Flask Coating

Freezing Procedure

-78°C .

Shipping Conditions

-78°C .

Storage Conditions

-150°C -196°C .80°C .

/ / HLA

Sterility

PCR .

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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