

SH-SY5Y | 300154

[illegible]

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 Cytion	300154
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Biosafety level	1
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NCBI_TaxID	9606									
CellosaurusAccession	CVCL_0019									
Tumorigenic	3-4									
Karyotype	SH-SY5Y			47	1	1q	SH-SY5Y			
Culture Medium	50:50	EMEM	Ham's F12	Cytion	820100a	820600a				
Supplements	15%	1%								
Dissociation Reagent	Accutase									
Subculturing						PBS	T25	3-5	PBS T75	5-10
Seeding density	$\times 10^4$ /cm ²	1×T25	1-2	80-90%			1-2×10 ⁴ /cm ²			
Fluid renewal	1	2								
Freeze medium	50%		+ 40% FBS + 10% DMSO		CM-1	Cytion	800100			

Thawing and Culturing Cells

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- 150°C
- 37°C
- 70%
- 8 15
- 300 x g 3
- 10 T25 T25
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Incubation Atmosphere

37°C, 5% CO₂,

Flask Coating

Freezing Procedure

-78 °C

Shipping Conditions

-78 °C

Storage Conditions

-150 -196 -80 °C

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