

SH-SY5Y | 300154

Description	SH-SY5Y	SK-N-SH	SK-N-SH	1970	4
	SH-SY5Y				
	SH-SY5Y				
	SH-SY5Y				
		SH-SY5Y			
			SH-SY5y		

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

Biosafety level 1

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NCBI_TaxID	9606
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CellosaurusAccession	CVCL_0019
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Tumorigenic	3-4
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Karyotype	SH-SY5Y	47	1	1q	SH-SY5Y
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Culture Medium	50:50	EMEM	Ham's F12	Cytion	820100a	820600a
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Supplements	15%	1%
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Dissociation Reagent	Accutase
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Subculturing		PBS	T25	3-5	PBS T75	5-10
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Seeding density	$\times 10^4$ /cm ²	1×T25	1-2	80-90%	$1-2 \times 10^4$ /cm ²
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Fluid renewal	1	2
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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.		8	15	
6.	300 x g	3		
7.	10		T25	T25
8.				

**Incubation
Atmosphere**

37°C, 5% CO₂

Flask Coating

**Freezing
Procedure**

-78 °C

**Shipping
Conditions**

-78 °C

**Storage
Conditions**

-150 -196 -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