

SH-SY5Y | 300154

<b>Description</b>	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

**SH-SY5Y | 300154**

<b>NCBI_TaxID</b>	9606
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<b>CellosaurusAccession</b>	CVCL_0019
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<b>Tumorigenic</b>	3-4
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<b>Karyotype</b>	SH-SY5Y	47	1	1q	SH-SY5Y
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<b>Culture Medium</b>	50:50	EMEM	Ham's F12	Cytion	820100a	820600a
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<b>Supplements</b>	15%	1%
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<b>Dissociation Reagent</b>	Accutase
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<b>Subculturing</b>		PBS	T25	3-5	PBS T75	5-10
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<b>Seeding density</b>	$\times 10^4$ /cm <sup>2</sup>	1×T25	1-2	80-90%	$1-2 \times 10^4$ /cm <sup>2</sup>
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<b>Fluid renewal</b>	1	2
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<b>Freeze medium</b>	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% CO<sub>2</sub>

**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