

SK-N-SH | 305028

SK-N-SH

Description

SK-N-SH is a neuroblastoma cell line derived from a 4-year-old child. It is a highly tumorigenic, undifferentiated neuroblastoma cell line. SK-N-SH cells are characterized by their ability to form neuroblastoma xenografts in nude mice. The cells are typically grown in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS). SK-N-SH cells are highly tumorigenic and can form neuroblastoma xenografts in nude mice. The cells are typically grown in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS).

Organism Human

Tissue Neuroblastoma

Disease Neuroblastoma

Metastatic site Lung, Liver, Bone

Synonyms SK N SH, SKN-SH, SK-NSH, SKNSH, NSH

Characteristics

Age 4 years

Gender Male

Ethnicity Caucasian

Morphology Epithelial

Growth properties Adherent

References

Citation SK-N-SH (ATCC CCL-221) Cytion 305028

Biosafety level 1

NCBI_TaxID 9606

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CellosaurusAccession CVCL_0531

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Protein expression SK-N-SH cells express M-CSF (Macrophage Colony-Stimulating Factor) and secrete it into the culture medium.

Antigen expression SK-N-SH cells express A, Rh antigens.

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Culture Medium EMEM (MEM Eagle), w: 2 mM L-Glutamine, w: 2.2 g/L NaHCO₃, w: EBSS (Cytion 820100a)

Supplements 10% FBS + 1% NEAA

Dissociation Reagent Trypsin

Subculturing SK-N-SH cells are grown in EMEM medium supplemented with 10% FBS and 1% NEAA. Cells are passaged by trypsinization and resuspended in EMEM medium supplemented with 10% FBS and 1% NEAA. Cells are seeded into T25 flasks and grown to confluence. Cells are then trypsinized and resuspended in EMEM medium supplemented with 10% FBS and 1% NEAA. Cells are seeded into T25 flasks and grown to confluence. Cells are then trypsinized and resuspended in EMEM medium supplemented with 10% FBS and 1% NEAA. Cells are seeded into T25 flasks and grown to confluence.

Split ratio 1:2 or 1:4

Fluid renewal 2 or 3 times per week

Freeze medium SK-N-SH cells are frozen in EMEM medium supplemented with 10% FBS and 1% NEAA. Cells are seeded into T25 flasks and grown to confluence. Cells are then trypsinized and resuspended in EMEM medium supplemented with 10% FBS and 1% NEAA. Cells are seeded into T25 flasks and grown to confluence. Cells are then trypsinized and resuspended in EMEM medium supplemented with 10% FBS and 1% NEAA. Cells are seeded into T25 flasks and grown to confluence. Cells are then trypsinized and resuspended in EMEM medium supplemented with 10% FBS and 1% NEAA. Cells are seeded into T25 flasks and grown to confluence.

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Thawing and
Culturing Cells

1. 将细胞冻存管放入 37°C 水浴中快速解冻，离心 300 x g，5 分钟，弃去上清液，将细胞重悬于 1 ml 培养基中。
2. 将细胞悬液接种到预先铺有细胞贴壁剂的培养瓶中，在 37°C 下培养 24 小时，使细胞贴壁。
3. 更换新鲜培养基，将细胞在 37°C 下培养 37 小时，使细胞进入对数生长期。
4. 当细胞达到 70% 汇合度时，进行传代。
5. 将细胞接种到预先铺有细胞贴壁剂的培养瓶中，在 37°C 下培养 15 天，使细胞达到 80% 汇合度。
6. 将细胞接种到预先铺有细胞贴壁剂的培养瓶中，在 37°C 下培养 3 天，使细胞达到 70% 汇合度。
7. 将细胞接种到预先铺有细胞贴壁剂的培养瓶中，在 37°C 下培养 10 天，使细胞达到 80% 汇合度。
8. 将细胞接种到预先铺有细胞贴壁剂的培养瓶中，在 37°C 下培养 10 天，使细胞达到 80% 汇合度。

Incubation
Atmosphere

37°C, 5% CO₂, 饱和湿度

Flask Coating

无涂层

Freezing
Procedure

将细胞悬液与 10% 冻存液混合，接种到冻存管中，在 -80°C 下冻存。

Shipping
Conditions

将细胞冻存管放入干冰中，在 -80°C 下运输。

Storage
Conditions

将细胞冻存管放入 -150 至 -196°C 液氮中储存。

细胞特性

Sterility

细胞经 PCR 检测，无支原体污染。细胞经显微镜检查，无细菌污染。

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STR	Amelogenin: x,x
	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