

Product sheet

NCH421K | 300118

General information

Description	NCH421K is a cell line derived from a patient with a melanoma. It is a highly tumorigenic cell line that grows in suspension. NCH421K is a melanoma cell line derived from a patient with a melanoma. It is a highly tumorigenic cell line that grows in suspension. NCH421K is a melanoma cell line derived from a patient with a melanoma. It is a highly tumorigenic cell line that grows in suspension. (bFGF), NCH421K is a melanoma cell line derived from a patient with a melanoma. It is a highly tumorigenic cell line that grows in suspension.
Organism	Human
Tissue	Melanoma
Disease	Melanoma
Synonyms	NCH421k

Cellular characteristics

Age	66 years
Gender	Male
Ethnicity	White
Growth properties	Highly tumorigenic, grows in suspension

Identification and safety

Citation	NCH421K (ATCC CRL-2739) Cytion 300118
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_x910

Genetic and phenotypic characteristics

Tumorigenic	Yes
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HEK293T NCH421K | 300118

HEK293T

Culture Medium DMEM:Ham's F12 (1:1), w: 3.1 g/L β -mercaptoethanol, w: 2.5 mM L-glutamine, w: 15 mM HEPES, w: 0.5 mM $\text{CaCl}_2 \cdot \text{H}_2\text{O}$, w: 1.2 g/L NaHCO_3 820400a)

Supplements β -mercaptoethanol 10% FBS, 5 ng/ml CaCl_2 , 20 ng/ml bFGF, 20 ng/ml EGF, 5 ng/ml CaCl_2 , 100 ng/ml CaCl_2 , 5.2 ng/ml Hydrocortison

Doubling time 35 - 40 days

Subculturing HEK293T cells are cultured in DMEM:Ham's F12 supplemented with β -mercaptoethanol, bFGF, EGF, CaCl_2 and Hydrocortison in Eppendorf TC^2 flasks at 100%

Seeding density 1×10^5 - 2×10^6 cells/cm²

Fluid renewal 2 - 3 days

Post-Thaw Recovery HEK293T cells are cultured in DMEM:Ham's F12 supplemented with β -mercaptoethanol, bFGF, EGF, CaCl_2 and Hydrocortison for 24 - 48 hours

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

- Thawing and Culturing Cells**
1. HEK293T cells are thawed in a water bath at 37°C and immediately transferred to a pre-warmed DMEM:Ham's F12 medium supplemented with β -mercaptoethanol, bFGF, EGF, CaCl_2 and Hydrocortison.
 2. HEK293T cells are seeded into a pre-warmed DMEM:Ham's F12 medium supplemented with β -mercaptoethanol, bFGF, EGF, CaCl_2 and Hydrocortison at 150°C.
 3. HEK293T cells are cultured in DMEM:Ham's F12 medium supplemented with β -mercaptoethanol, bFGF, EGF, CaCl_2 and Hydrocortison for 37 days.
 4. HEK293T cells are cultured in DMEM:Ham's F12 medium supplemented with β -mercaptoethanol, bFGF, EGF, CaCl_2 and Hydrocortison for 70% confluence.
 5. HEK293T cells are cultured in DMEM:Ham's F12 medium supplemented with β -mercaptoethanol, bFGF, EGF, CaCl_2 and Hydrocortison for 15 days.
 6. HEK293T cells are cultured in DMEM:Ham's F12 medium supplemented with β -mercaptoethanol, bFGF, EGF, CaCl_2 and Hydrocortison for 300 x g for 3 days.
 7. HEK293T cells are cultured in DMEM:Ham's F12 medium supplemented with β -mercaptoethanol, bFGF, EGF, CaCl_2 and Hydrocortison for 10 days.
 8. HEK293T cells are cultured in DMEM:Ham's F12 medium supplemented with β -mercaptoethanol, bFGF, EGF, CaCl_2 and Hydrocortison for 10 days.

