

CLS-145 | 300180

General information

Description	CLS-145 is a cell line derived from a patient with a rare form of cancer. It is characterized by its high growth rate and its ability to form colonies in soft agar. The cells are highly tumorigenic and have been shown to metastasize in animal models. The cell line is maintained in DMEM supplemented with 10% FBS and 1% penicillin/streptomycin. The cells are typically grown in 96-well plates and are used for various assays, including drug screening and toxicity testing.
Organism	Human
Tissue	Colon
Disease	Colorectal cancer
Synonyms	CLS145

Cell characteristics

Age	70 years
Gender	Male
Ethnicity	White
Morphology	Epithelial cells
Growth properties	High growth rate, anchorage dependent

Cell line identification

Citation	CLS-145 (Cytion 300180)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_5727

Cell line authentication

Protein expression	P53 protein
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Product sheet

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Tumorigenic	Yes, tumorigenic in SCID-hu (approx. 20-30 %)
Karyotype	Human karyotype: 46, XX, 109-110 chromosomes
Characteristics	
Culture Medium	DMEM:Ham's F12 (1:1), w: 3.1 g/L D-glucose, w: 2.5 mM L-glutamine, w: 15 mM HEPES, w: 0.5 mM sodium pyruvate, w: 1.2 g/L NaHCO ₃ 820400a)
Supplements	10% FBS
Dissociation Reagent	Trypsin
Doubling time	36 hours
Subculturing	Cells are typically passaged every 3-5 days. Cells are detached using trypsin and seeded into new flasks. Cells are typically seeded at a density of 1 x 10 ⁴ cells per flask.
Seeding density	1 x 10 ⁴ cells per flask
Fluid renewal	2-3 times per week
Post-Thaw Recovery	Cells are typically recovered within 4-5 days after thawing. Cells are typically seeded at a density of 1 x 10 ⁴ cells per flask.
Freeze medium	Cells are typically frozen in a medium containing 10% FBS + 10% DMSO. Cells are typically frozen in a medium containing 10% FBS + 10% DMSO.

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HLA

A*: 01:01:01

B*: '35:03:01

C*: 04:01:01

DRB1*: '01:01:01, '13:01:01

DQA1*: '01:01:01, '01:03:01

DQB1*: '05:01:01, '06:03:01

DPB1*: '04:01:01G, '06:01:01G

E: 01:01:01