

Product sheet

HeLa S3 | 300384

General Information

Description	HeLa S3 cell line, derived from HeLa cells, used for various biological studies.
Organism	Human
Tissue	Epithelial cells
Disease	None
Synonyms	HeLa s3, HeLa-S3, HELA-S3, HeLa/S3, HeLa.S3, HeLa S 3, HeLa S-3, HeLaS3, S3-HeLa, S3 HeLa

Characteristics

Age	30 years
Gender	Female
Ethnicity	American
Morphology	Epithelial cells
Growth properties	Adherent

References

Citation	HeLa S3 (ATCC CCL-2) Cytion 300384
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_0058

Additional Information

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Isoenzymes	G6PD, A
Virus susceptibility	Herpesvirus 1, 2, 3, Adenovirus (Ad5), Epstein-Barr virus, Herpesvirus 5
Reverse transcriptase	None
Products	None
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Culture Medium	EMEM (MEM Eagle), w: 2 mM L-Glutamine, w: 2.2 g/L NaHCO ₃ , w: EBSS (Gibco Cytion 820100a)
Supplements	10% FBS 1% NEAA
Dissociation Reagent	None
Subculturing	Cells are grown in 25 cm ² flasks in EMEM supplemented with 10% FBS and 1% NEAA. Cells are harvested by trypsinization and resuspended in PBS. Cells are seeded into new flasks at a density of 1 x 10 ⁴ cells per flask. Cells are grown in EMEM supplemented with 10% FBS and 1% NEAA. Cells are harvested by trypsinization and resuspended in PBS. Cells are seeded into new flasks at a density of 1 x 10 ⁴ cells per flask. Cells are grown in EMEM supplemented with 10% FBS and 1% NEAA.
Seeding density	1 x 10 ⁴ cells/flask
Fluid renewal	2-3 times per week
Post-Thaw Recovery	Cells are thawed in a 37°C water bath and immediately transferred to a pre-warmed medium. Cells are seeded into a 25 cm ² flask and grown in EMEM supplemented with 10% FBS and 1% NEAA. Cells are harvested by trypsinization and resuspended in PBS. Cells are seeded into new flasks at a density of 1 x 10 ⁴ cells per flask. Cells are grown in EMEM supplemented with 10% FBS and 1% NEAA.
Freeze medium	EMEM supplemented with 10% FBS and 1% NEAA + 10% DMSO

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Thawing and Culturing Cells

1. Thaw the vial quickly in a 37°C water bath. Do not vortex. Transfer the cells to a pre-warmed medium.
2. Centrifuge at 300 x g for 3 minutes. Remove the supernatant and resuspend in 15 ml of pre-warmed medium.
3. Seed the cells into a T25 flask containing 10 ml of pre-warmed medium.
4. Incubate at 37°C with 5% CO₂ until cells reach 70% confluency.
5. Pass the cells into a T75 flask containing 15 ml of pre-warmed medium.
6. Seed the cells into a T175 flask containing 30 ml of pre-warmed medium.
7. Incubate at 37°C with 5% CO₂ until cells reach 70% confluency.
8. Harvest the cells for cryopreservation.

Incubation Atmosphere 37°C, 5% CO₂, humidified air

Flask Coating None

Freezing Procedure Harvest cells and resuspend in freezing medium. Freeze at -80°C.

Shipping Conditions Store at -80°C.

Storage Conditions Store at -150°C for up to 196 weeks.

Genotype / HLA

Sterility The cells are free of mycoplasmas and PCR detectable agents.