

Product sheet

HEK293T HGC-27 | 300436

Protein expression P53 HEK293T

Tumorigenic Yes

HEK293T

Culture Medium DMEM:Ham's F12 (1:1), w: 3.1 g/L Glucose, w: 2.5 mM L-Glutamine, w: 15 mM HEPES, w: 0.5 mM Sodium Pyruvate, w: 1.2 g/L NaHCO3 820400a)

Supplements Penicillin Streptomycin 10% FBS

Dissociation Reagent Trypsin

Doubling time 17 hours

Subculturing HEK293T cells are grown in DMEM:Ham's F12 (1:1) supplemented with 10% FBS, Penicillin, and Streptomycin. For subculturing, cells are trypsinized and resuspended in DMEM:Ham's F12 (1:1) supplemented with 10% FBS, Penicillin, and Streptomycin. Cells are seeded into T25 flasks at a density of 1 x 10^6 cells per flask. After 24 hours, the medium is replaced with DMEM:Ham's F12 (1:1) supplemented with 10% FBS, Penicillin, and Streptomycin. Cells are harvested after 48 hours.

Seeding density 1 x 10^6 cells per flask

Fluid renewal 2 x 3 days

Post-Thaw Recovery HEK293T cells are thawed and seeded into T25 flasks at a density of 1 x 10^6 cells per flask. After 24 hours, the medium is replaced with DMEM:Ham's F12 (1:1) supplemented with 10% FBS, Penicillin, and Streptomycin. Cells are harvested after 48 hours.

Freeze medium DMEM:Ham's F12 (1:1) supplemented with 10% FBS, Penicillin, and Streptomycin. Cells are harvested after 48 hours.

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Thawing and Culturing Cells

1. Thaw the vial rapidly in a 37°C water bath. Transfer the cells to a pre-warmed T25 flask containing 10 ml of complete DMEM medium.
2. Incubate the cells in a humidified 5% CO₂ incubator at 37°C. The cells should reach 70-80% confluency within 2-3 days.
3. Once cells reach 70-80% confluency, passage them into a new T25 flask with fresh complete DMEM medium.
4. For long-term storage, harvest cells into a 15 ml centrifuge tube containing 10 ml of complete DMEM medium. Pellet cells by centrifugation at 300 x g for 3 minutes. Remove the supernatant and resuspend the pellet in 1 ml of DMEM medium containing 10% FBS. Freeze the cells in a cryovial and store at -80°C.
5. For long-term storage, harvest cells into a 15 ml centrifuge tube containing 10 ml of complete DMEM medium. Pellet cells by centrifugation at 300 x g for 3 minutes. Remove the supernatant and resuspend the pellet in 1 ml of DMEM medium containing 10% FBS. Freeze the cells in a cryovial and store at -80°C.
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Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating None

Freezing Procedure Harvest cells into a 15 ml centrifuge tube containing 10 ml of complete DMEM medium. Pellet cells by centrifugation at 300 x g for 3 minutes. Remove the supernatant and resuspend the pellet in 1 ml of DMEM medium containing 10% FBS. Freeze the cells in a cryovial and store at -80°C.

Shipping Conditions Dry ice, -78°C

Storage Conditions -150°C, 196 K

HEK293T / HEK293T / HLA

Sterility The cells are free of mycoplasma contamination. PCR screening for mycoplasma is performed on a regular basis. The cells are also free of endotoxins.

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██████ HLA

A*: 24:02:01
B*: '55:02:01
C*: 03:03:01
DRB1*: 01:01:01
DQA1*: 01:01:01
DQB1*: 05:01:01
DPB1*: 05:01:01
E: 01:01:01