



**HEK293T KLE | 305051**

**Tumorigenic**      Yes, HEK293T cells are 21<sup>7</sup> tumorigenic (100% (5/5) HEK293T cells are tumorigenic in 100% of 1x10<sup>7</sup> cells)

**HEK293T**

**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<sub>3</sub> (820400a)

**Supplements**      10% FBS

**Dissociation Reagent**      Trypsin

**Doubling time**      114 hours

**Subculturing**      HEK293T cells are cultured in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. For subculturing, cells are trypsinized and resuspended in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are seeded into T25, T75 or 150 cm<sup>2</sup> flasks. Cells are harvested by trypsinization and centrifugation at 300 x g for 3 minutes. Cells are resuspended in DMEM:Ham's F12 (1:1) supplemented with 10% FBS.

**Fluid renewal**      10% FBS

**Freeze 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<sub>3</sub> (820400a), w: 10% FBS + 10% DMSO

**Thawing and Culturing Cells**

1. HEK293T cells are cultured in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. For subculturing, cells are trypsinized and resuspended in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are seeded into T25, T75 or 150 cm<sup>2</sup> flasks. Cells are harvested by trypsinization and centrifugation at 300 x g for 3 minutes. Cells are resuspended in DMEM:Ham's F12 (1:1) supplemented with 10% FBS.
2. HEK293T cells are cultured in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. For subculturing, cells are trypsinized and resuspended in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are seeded into T25, T75 or 150 cm<sup>2</sup> flasks. Cells are harvested by trypsinization and centrifugation at 300 x g for 3 minutes. Cells are resuspended in DMEM:Ham's F12 (1:1) supplemented with 10% FBS.
3. HEK293T cells are cultured in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. For subculturing, cells are trypsinized and resuspended in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are seeded into T25, T75 or 150 cm<sup>2</sup> flasks. Cells are harvested by trypsinization and centrifugation at 300 x g for 3 minutes. Cells are resuspended in DMEM:Ham's F12 (1:1) supplemented with 10% FBS.
4. HEK293T cells are cultured in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. For subculturing, cells are trypsinized and resuspended in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are seeded into T25, T75 or 150 cm<sup>2</sup> flasks. Cells are harvested by trypsinization and centrifugation at 300 x g for 3 minutes. Cells are resuspended in DMEM:Ham's F12 (1:1) supplemented with 10% FBS.
5. HEK293T cells are cultured in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. For subculturing, cells are trypsinized and resuspended in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are seeded into T25, T75 or 150 cm<sup>2</sup> flasks. Cells are harvested by trypsinization and centrifugation at 300 x g for 3 minutes. Cells are resuspended in DMEM:Ham's F12 (1:1) supplemented with 10% FBS.
6. HEK293T cells are cultured in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. For subculturing, cells are trypsinized and resuspended in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are seeded into T25, T75 or 150 cm<sup>2</sup> flasks. Cells are harvested by trypsinization and centrifugation at 300 x g for 3 minutes. Cells are resuspended in DMEM:Ham's F12 (1:1) supplemented with 10% FBS.
7. HEK293T cells are cultured in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. For subculturing, cells are trypsinized and resuspended in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are seeded into T25, T75 or 150 cm<sup>2</sup> flasks. Cells are harvested by trypsinization and centrifugation at 300 x g for 3 minutes. Cells are resuspended in DMEM:Ham's F12 (1:1) supplemented with 10% FBS.
8. HEK293T cells are cultured in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. For subculturing, cells are trypsinized and resuspended in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are seeded into T25, T75 or 150 cm<sup>2</sup> flasks. Cells are harvested by trypsinization and centrifugation at 300 x g for 3 minutes. Cells are resuspended in DMEM:Ham's F12 (1:1) supplemented with 10% FBS.

Product sheet

**XXXX KLE | 305051**

**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>, XXXXXXXX XXXX

**Flask Coating** XX XXXX

**Freezing Procedure** XXXXXX XXXXX XXXXXXXXXXX XXXXXXX XXXX XXX XXXXXXX XXXXXXX XXXXXXXXXXX XX XXXXX XXXXXXX XX XXXXX XXXXXXX XXX XXXXXXX XXX XXXXXXXXXXX XXX XXXXXXXXXXX XXX -78°C

**Shipping Conditions** XXXXXX XXXXX XXXXXXXXXXX XXXXXXX XXXX XXX XXXXXXX XXXXXXX XXXXXXXXXXX XX XXXXX XXXXXXX XX XXXXX XXXXXXX XXX XXXXXXX XXX XXXXXXXXXXX XXX XXXXXXXXXXX XXX -78°C

**Storage Conditions** XXXXXXX XXXXXXX XXXXX, XX XXXXXXX XX XXXXXXXXXXX XXXXXXX XXXXXXX XXXXX XX XXX XXXXXXXXXXX XXX -150 XX 196 XXXXXXX XXXXXXX, XXXXXXX XXXXXXX

**XXXXX XXXXXXXX / XXXXXXXX XXXXX / HLA**

**Sterility** XXXXXXX XXXXXXXXXXX XXXXX XXXXXXX XXXXXXX XXXXXXX PCR XXXXXXX XXXXXXX XXXXXXXXXXX XXXXXXXXXXX XXXXXXXXXXX  
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