

## HEK293T/17 | 305117

<b>Description</b>	HEK293T/17 is a derivative of HEK293 cells, which are a fusion of the human embryonic kidney (HEK) 293 cell line and the African green monkey (AGM) virus SV40. HEK293T/17 cells are characterized by their high transfection efficiency and ability to produce high yields of recombinant proteins. They are commonly used in molecular biology and biotechnology for the production of recombinant proteins, antibodies, and viral vectors.
<b>Organism</b>	Human
<b>Tissue</b>	Embryonic kidney
<b>Applications</b>	Production of recombinant proteins, antibodies, and viral vectors. Used in molecular biology and biotechnology.
<b>Synonyms</b>	HEK293, HEK293T, HEK293T/17
<b>Age</b>	Not applicable
<b>Gender</b>	Not applicable
<b>Morphology</b>	Epithelial cells
<b>Growth properties</b>	Adherent cells
<b>Citation</b>	HEK293T/17 (ATCC CRL-11907)   305117
<b>Biosafety level</b>	1
<b>NCBI_TaxID</b>	9606
<b>CellosaurusAccession</b>	CVCL_1926
<b>GMO Status</b>	GMO-S1: HEK293T/17 cells are derived from HEK293 cells, which are a fusion of the human embryonic kidney (HEK) 293 cell line and the African green monkey (AGM) virus SV40. HEK293T/17 cells are characterized by their high transfection efficiency and ability to produce high yields of recombinant proteins. They are commonly used in molecular biology and biotechnology for the production of recombinant proteins, antibodies, and viral vectors.

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**Antigen expression** SV40 T

**Viruses** SV40 (SV40 SV40 T)

**Culture Medium** DMEM 4.5 g/l Glucose 4 mM L-Glutamine 3.7 g/l NaHCO<sub>3</sub> 1.0 mM Sodium Pyruvate (820)

**Supplements** 10% FBS

**Dissociation Reagent**

**Subculturing** PBS

**Fluid renewal** 2-3

**Freeze medium** (FBS) + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw cells in a 37°C water bath.
  2. Centrifuge cells at 300 x g for 3 minutes.
  3. Wash cells with PBS.
  4. Resuspend cells in 70% FBS.
  5. Seed cells into a 15 cm<sup>2</sup> flask.
  6. Seed cells into a 300 x 3 cm<sup>2</sup> flask.
  7. Seed cells into a 10 cm<sup>2</sup> flask.
  8. Seed cells into a 25 cm<sup>2</sup> flask.

