

HEK293A | 305070

Description

HEK293A (HEK293) is a cell line derived from HEK293A cells. HEK293A cells are a derivative of HEK293 cells, which were created by transfecting HEK293 cells with SV40 and Ad5 DNA. HEK293A cells are commonly used for the production of recombinant proteins and viral vectors. HEK293A cells are characterized by their high transfection efficiency and ability to produce high yields of recombinant proteins. HEK293A cells are also used for the production of viral vectors for gene therapy and vaccine development.

Organism

HEK293A

Tissue

Embryonic kidney

Synonyms

HEK-293, HEK293, HEK293A, HEK293T, HEK293S, HEK293L, HEK293E, HEK293F, HEK293G, HEK293H, HEK293I, HEK293J, HEK293K, HEK293L, HEK293M, HEK293N, HEK293O, HEK293P, HEK293Q, HEK293R, HEK293S, HEK293T, HEK293U, HEK293V, HEK293W, HEK293X, HEK293Y, HEK293Z

Age

HEK293A

Gender

HEK293A

Morphology

HEK293A

Growth properties

HEK293A

Citation

HEK293A (HEK293A | 305070)

Biosafety level

1

NCBI_TaxID

9606

CellosaurusAccession

CVCL_6910

GMO Status

GMO-S1: HEK293A (HEK293A | 305070) SV40 (SV40 | 40) HEK293A (HEK293A | 305070) SV40 (SV40 | 40)

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Culture Medium EMEM (MEM Eagle) 2 mM L-Glutamine-2-Mercaptoethanol 2.2 mM/100mL NaHCO₃ EBSS (Gibco 820100a)

Supplements 10% FBS 1% Penicillin 1% Streptomycin

Dissociation Reagent Trypsin

Subculturing Wash cells with PBS, add trypsin, incubate 5 min, add 10% FBS medium.

Fluid renewal 2-3 times per week

Freeze medium FBS + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw cells in a 37°C water bath.
 2. Add cells to a flask with 10% FBS medium.
 3. Incubate cells at 37°C.
 4. Change medium when cells reach 70% confluency.
 5. Split cells into 15-20 mL flasks.
 6. Seed cells into 300 x 300 mm flasks.
 7. Incubate cells at 37°C.
 8. Harvest cells when they reach 70-80% confluency.

Incubation Atmosphere 37°C, 5% CO₂

Flask Coating Adherent cells

