

## AC16 | 305215

### Description

AC16 (SV40 T-Antigen) is a cell line derived from the SV40 T-Antigen. It is a highly proliferative cell line that is used for the production of recombinant proteins. The cell line is characterized by its high growth rate and its ability to produce large quantities of protein. The cell line is also characterized by its high stability and its ability to maintain its characteristics over long periods of time.

### Organism

Human

### Tissue

Embryonic kidney

### Applications

Production of recombinant proteins, cell culture, and research.

### Synonyms

AC16, SV40 T-Antigen, AC16 (SV40 T-Antigen)

### Ethnicity

Human

### Morphology

Epithelial

### Cell type

Epithelial, fibroblast

### Growth properties

Adherent

### Citation

AC16 (SV40 T-Antigen) (ATCC CRL-1595) (305215)

### Biosafety level

1

### NCBI\_TaxID

9606

### CellosaurusAccession

CVCL\_4U18

### GMO Status

GMO-S1: AC16 (SV40 T-Antigen) is a genetically modified organism (GMO) because it contains the SV40 T-Antigen gene, which is a known oncogene.

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### Viruses

Adenovirus SV40

### Culture Medium

DMEM:DMEM:Ham's F12 (1:1) 3.1 g/l / 2.5 mM HEPES (HEPES) 0.1 g/l  
Glutamine 2.5 mM L-Glutamine  
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41400045) 2% (16050130).

### Dissociation Reagent

Trypsin

### Subculturing

Cells are washed with PBS and then resuspended in fresh medium.

### Freeze medium

DMEM:DMEM:Ham's F12 (1:1) 3.1 g/l / 2.5 mM HEPES (HEPES) 0.1 g/l + 10% DMSO + 10% FBS

### Thawing and Culturing Cells

1. Thaw cells in a 37°C water bath.
2. Add 10% FBS to the medium.
3. Seed cells into a 24-well plate.
4. Incubate cells for 70% confluency.
5. Harvest cells after 15 days.
6. Seed cells into a 300 x 3 mm plate.
7. Incubate cells for 10 days.
8. Harvest cells after 10 days.

### Incubation Atmosphere

37°C, 5% CO<sub>2</sub>

