

COS-1 | 305005

Overview

Description

COS-1, a cell line derived from the kidney of a rhesus monkey, is a widely used model for studying viral replication and protein expression. The cells are highly permissive for a variety of viruses, including herpesviruses, poxviruses, and adenoviruses. COS-1 cells are also used for the production of recombinant proteins, particularly those that require post-translational modification. The cells are maintained in DMEM supplemented with 10% fetal bovine serum (FBS) and are typically grown in 25 cm² tissue culture flasks. COS-1 cells are characterized by their high confluency and rapid growth rate. They are also highly resistant to trypsin digestion, which allows for easy isolation and maintenance of the cell line. COS-1 cells are a valuable tool for researchers studying viral replication and protein expression.

Organism Chlorocebus aethiops

Tissue Kidney

Synonyms Cos-1, COS 1, Cos 1, COS1, Cos1, CV-1 & Origin Simian-1

Characteristics

Gender Male

Morphology Epithelial

Growth properties Adherent

Media and supplements

Citation COS-1 (Cytion 305005)

Biosafety level 1

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**Thawing and
Culturing Cells**

1. 将细胞悬液缓慢加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入37°C CO₂培养箱中培养。
2. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入-150°C 液氮中冷冻，然后将培养瓶放入-150°C 液氮中冷冻，然后将培养瓶放入-150°C 液氮中冷冻。
3. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入37°C CO₂培养箱中培养。
4. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入70% 乙醇中冷冻。
5. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入15 μl 8 μl 的细胞悬液中。
6. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入300 x g 3 分钟的离心管中。
7. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入10 μl 10 μl 的细胞悬液中。
8. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入10 μl 10 μl 的细胞悬液中。

**Incubation
Atmosphere**

37°C, 5% CO₂, 饱和湿度

Flask Coating

无涂层

**Freezing
Procedure**

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入-78°C 液氮中冷冻。

**Shipping
Conditions**

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入-78°C 液氮中冷冻。

**Storage
Conditions**

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入-150 196 液氮中冷冻。

细胞培养

Sterility

细胞悬液在加入培养基前，应先用PCR 管分装，然后放入-150°C 液氮中冷冻。

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入-150°C 液氮中冷冻。