Resource Summary Report

Generated by dkNET on Sep 9, 2026

COS-7

RRID:CVCL_0224
Type: Cell Line

Proper Citation

JCRB Cat# JCRB9127, RRID:CVCL_0224

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0224

Proper Citation: JCRB Cat# JCRB9127, RRID:CVCL_0224

Description: Cell line COS-7 is a Transformed cell line with a species of origin Chlorocebus aethiops (Green monkey)

Sex: Male

Defining Citation: PMID:6260373, PMID:22059503, PMID:29468137

Comments: Virology: Highly susceptible to infection by Zika virus (ZIKV) (PubMed=29468137)., Group: Non-human primate cell line.

Category: Transformed cell line

Organism: Chlorocebus aethiops (Green monkey)

Name: COS-7

Synonyms: Cos-7, COS 7, Cos 7, COS7, Cos7, CV-1 in Origin Simian-7

Cross References: BTO:BTO_0000298, CLO:CLO_0002597, CLO:CLO_0050508, EFO:EFO_0022725, MCCL:MCC:0000112, CLDB:cl890, CLDB:cl891, CLDB:cl892, CLDB:cl893, AddexBio:T0014002/35, ATCC:CRL-1651, BCRC:60094, BCRJ:0071, CCRID:1101MON-PUMC000033, CCRID:3101MONGNO2, CCRID:3101MONSCSP508, CCRID:5301MON-KCB93019YJ, CCTCC:GDC0609, ChEMBL-Cells:CHEMBL3307648, ChEMBL-Targets:CHEMBL614564, CLS:605470, DSMZ:ACC-60, DSMZCellDive:ACC-60, ECACC:87021302, FCS-free:47-11-47-1-8-9, IBRC:C10146, ICLC:ATL96005, IZSLER:BS CL 103, JCRB:IFO50068, JCRB:JCRB9127, KCB:KCB 93019YJ, KCLB:21651, Lonza:587, MeSH:D019556, NCBI_Iran:C143, PubChem_Cell_line:CVCL_0224, RCB:RCB0539, TKG:TKG 0514, TOKU-E:993, Wikidata:Q27556092

ID: CVCL_0224

Vendor: JCRB

Catalog Number: JCRB9127

Hierarchy: cvcl_0229

Record Creation Time: 20220427T215516+0000

Record Last Update: 20260905T174638+0000

Ratings and Alerts

No rating or validation information has been found for COS-7.

No alerts have been found for COS-7.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 4991 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Washida N, et al. (2026) Regulation of brain-specific kinases 1 and 2 (BRSK1/2) by Ca2+/calmodulin. Cell calcium, 135, 103134.

Hamada N, et al. (2026) Distinct pathophysiological mechanisms of CEP152 variants in microcephaly and brain abnormalities. EMBO molecular medicine, 18(6), 2180.

Ren J, et al. (2026) Coiled-coil-mediated phase separation of Spef1 for central-pair microtubule organization and function. Structure (London, England : 1993), 34(5), 718.

Adams JM, et al. (2026) Heterotrimeric kinesin-2 autoinhibition mediated by interactions of the CC2 and proximal tail domains with the motor domains is essential for cilium formation and maintenance. bioRxiv : the preprint server for biology.

Irie K, et al. (2026) Multifaceted role of POU5F1P1 in regulating its parental stem cell gene, POU5F1. iScience, 29(4), 115137.

Zhou Y, et al. (2026) Distinct Regulation of the ARF and TAp73 Tumor Suppressor Genes by the Transcription Factor E2F1 Enables Discrimination of Cancer Cells from Normal Growing Cells. Cells, 15(1).

Gill SK, et al. (2026) Ischemia-Induced Post-Translational Modifications of GLT-1 Mediate Aberrant Trafficking and Impaired Glutamate Uptake. bioRxiv : the preprint server for biology.

Nishijo T, et al. (2026) CTBP1 In Brain Development: A Novel Variant c.107G>C,p.(R36P) Leads to a Distinct Neurodevelopmental Disorder. Journal of neurochemistry, 170(2), e70385.

Stepp WL, et al. (2026) Smart hybrid microscopy for cell-friendly detection of rare events. Nature communications, 17(1), 1423.

Zuo F, et al. (2026) Live-cell imaging of RNA dynamics using bright and stable fluorescent RNAs. Nature protocols.

Xu A, et al. (2026) Acyltransferase ZDHHC22 promotes N-Myc transcriptional activation to drive neuroblastoma progression and chemoresistance. Molecular cell, 86(10), 1945.

Davi V, et al. (2026) Endoplasmic Reticulum Geometry Dictates Neuronal Bursting via Calcium Store Refill Rates and Exposes Selective Neuronal Vulnerability. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(36), e21101.

Li D, et al. (2026) A gain-of-function Retsat variant from high-altitude adaptation promotes myelination via a neuronal dihydroretinoic acid-RXR-? pathway. Neuron, 114(10), 1782.

Mendoza N, et al. (2026) Chemical Constituents of Taxodium mucronatum (Cupressaceae) and Some of Its Endophytic Fungi, and Their In Silico and In Vitro Evaluations as SARS-CoV-2 Inhibitors and as Cytotoxic Agents. Chemistry & biodiversity, 23(3), e03702.

Gill SK, et al. (2026) Ischemia-Induced Post-Translational Modifications of GLT-1 Mediate Aberrant Trafficking and Impaired Glutamate Uptake. Journal of neurochemistry, 170(6), e70497.

Kildedal DF, et al. (2026) Targeting of Kaposi's sarcoma-associated herpesvirus by immunotoxins directed against the viral G protein-coupled receptor, ORF74. Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie, 195, 118797.

Llorente-González C, et al. (2026) MYH9 mutations differentially stabilize non-muscle myosin II filaments and induce distinct cellular aggregation phenotypes. Cellular and molecular life sciences : CMLS, 83(1).

Yue Y, et al. (2026) MATCAP1 preferentially binds an expanded tubulin conformation to generate detyrosinated and ?C2 ?-tubulin. The EMBO journal, 45(12), 4257.

Rauseo D, et al. (2026) Mitochondrial lactate venting limits oxidative stress. Cell metabolism, 38(6), 1130.

Reeb KL, et al. (2026) Structural and molecular determinants of glutamate transporter allosteric modulators. Molecular pharmacology, 108(5-6), 100122.