Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 19, 2025

BS-C-1

RRID:CVCL_0607
Type: Cell Line

Proper Citation

(RRID:CVCL_0607)

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0607

Proper Citation: (RRID:CVCL_0607)

Sex: Sex unspecified

Defining Citation: PMID:272650, PMID:303774, PMID:4203458, PMID:6988327, PMID:14071033, PMID:14215895, PMID:14473108, PMID:28046048, PMID:33458215

Comments: Omics: Mitochondrial genome sequenced., Characteristics: Suitable for transfection by SV40 and may be used for the detection of viruses (ATCC=CCL-26)., Problematic cell line: Misidentified. Originally thought to be of Chlorocebus aethiops origin but found to be from Chlorocebus pygerythrus (PubMed=33458215).., Group: Non-human primate cell line.

Category: Spontaneously immortalized cell line

Name: BS-C-1

Synonyms: BSC-1, BSC1, GMK,BSC-1, Biologics Standards-Cercopithecus-1

Cross References: CLO:CLO_0002035, CLO:CLO_0002036, CLO:CLO_0002037, CLDB:cl484, CLDB:cl486, CLDB:cl487, ATCC:CCL-26, BCRC:60078, CCRID:1101MON-PUMC000098, CCRID:1102MON-NIFDC00094, CCRID:4201MON-CCTCC00033, CCTCC:GDC0033, ChEMBL-Cells:CHEMBL3307388, ChEMBL-Targets:CHEMBL614528, CLS:305009, ECACC:85011422, IZSLER:BS CL 9, JCRB:IFO50413, JCRB:JCRB9011, JCRB:JCRB9126, KCLB:10026, NCBI_Iran:C484, PubChem_Cell_line:CVCL_0607, Wikidata:Q38086318

ID: CVCL_0607

Record Creation Time: 20250131T194553+0000

Record Last Update: 20250131T195040+0000

Ratings and Alerts

No rating or validation information has been found for BS-C-1.

Warning: Problematic cell line: Misidentified. Originally thought to be of Chlorocebus aethiops origin but found to be from Chlorocebus pygerythrus (PubMed=33458215). Omics: Mitochondrial genome sequenced., Characteristics: Suitable for transfection by SV40 and may be used for the detection of viruses (ATCC=CCL-26)., Problematic cell line: Misidentified. Originally thought to be of Chlorocebus aethiops origin but found to be from Chlorocebus pygerythrus (PubMed=33458215).., Group: Non-human primate cell line.
Warning: Discontinued: JCRB; JCRB9011
Omics: Mitochondrial genome sequenced., Characteristics: Suitable for transfection by SV40 and may be used for the detection of viruses (ATCC=CCL-26)., Problematic cell line: Misidentified. Originally thought to be of Chlorocebus aethiops origin but found to be from Chlorocebus pygerythrus (PubMed=33458215).., Group: Non-human primate cell line.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 366 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Day CA, et al. (2024) The histone H3.3 K27M mutation suppresses Ser31phosphorylation and mitotic fidelity, which can directly drive gliomagenesis. Current biology : CB.

Lu Y, et al. (2024) HDAC5 enhances IRF3 activation and is targeted for degradation by protein C6 from orthopoxviruses including Monkeypox virus and Variola virus. Cell reports, 43(3), 113788.

Klenk C, et al. (2023) A Vaccinia-based system for directed evolution of GPCRs in mammalian cells. Nature communications, 14(1), 1770.

Hernaez B, et al. (2023) Monitoring monkeypox virus in saliva and air samples in Spain: a cross-sectional study. The Lancet. Microbe, 4(1), e21.

Ly CY, et al. (2023) Inhibitors of One or More Cellular Aurora Kinases Impair the Replication

of Herpes Simplex Virus 1 and Other DNA and RNA Viruses with Diverse Genomes and Life Cycles. Microbiology spectrum, 11(1), e0194322.

Zhang RR, et al. (2023) Rational development of multicomponent mRNA vaccine candidates against mpox. Emerging microbes & infections, 12(1), 2192815.

Yang D, et al. (2023) Targeting intracellular Neu1 for coronavirus infection treatment. iScience, 26(2), 106037.

Girón-Guzmán I, et al. (2023) Spanish wastewater reveals the current spread of Monkeypox virus. Water research, 231, 119621.

Zeng J, et al. (2023) Mpox multi-antigen mRNA vaccine candidates by a simplified manufacturing strategy afford efficient protection against lethal orthopoxvirus challenge. Emerging microbes & infections, 12(1), 2204151.

Gallusser B, et al. (2023) Deep neural network automated segmentation of cellular structures in volume electron microscopy. The Journal of cell biology, 222(2).

Hernandez-Gonzalez M, et al. (2023) A succession of two viral lattices drives vaccinia virus assembly. PLoS biology, 21(3), e3002005.

Dsouza L, et al. (2023) Antiviral activities of two nucleos(t)ide analogs against vaccinia and mpox viruses in primary human fibroblasts. bioRxiv : the preprint server for biology.

Song DH, et al. (2023) In situ silver nanoparticle development for molecular-specific biological imaging via highly accessible microscopies. Nanoscale advances, 5(6), 1636.

Depierreux DM, et al. (2023) Transcriptional reprogramming of natural killer cells by vaccinia virus shows both distinct and conserved features with mCMV. Frontiers in immunology, 14, 1093381.

Lorenzo MM, et al. (2023) Vaccinia Virus Strain MVA Expressing a Prefusion-Stabilized SARS-CoV-2 Spike Glycoprotein Induces Robust Protection and Prevents Brain Infection in Mouse and Hamster Models. Vaccines, 11(5).

Lorenzo MM, et al. (2022) Vaccinia Virus Attenuation by Codon Deoptimization of the A24R Gene for Vaccine Development. Microbiology spectrum, 10(3), e0027222.

Pallett MA, et al. (2022) DDX50 Is a Viral Restriction Factor That Enhances IRF3 Activation. Viruses, 14(2).

Gu X, et al. (2022) Protective Human Anti-Poxvirus Monoclonal Antibodies Are Generated from Rare Memory B Cells Isolated by Multicolor Antigen Tetramers. Vaccines, 10(7).

López-Muñoz AD, et al. (2022) High-throughput engineering of cytoplasmic- and nuclear-replicating large dsDNA viruses by CRISPR/Cas9. The Journal of general virology, 103(10).

Wang Y, et al. (2022) Generation of Multiple Arbovirus-like Particles Using a Rapid Recombinant Vaccinia Virus Expression Platform. Pathogens (Basel, Switzerland), 11(12).