Resource Summary Report

Generated by dkNET on Sep 3, 2026

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

Description: Cell line BS-C-1 is a Spontaneously immortalized cell line with a species of origin Chlorocebus pygerythrus (Vervet monkey)

Sex: Sex unspecified

Defining Citation: PMID:272650, PMID:303774, PMID:3024506, PMID:4203458, PMID:4339410, PMID:6988327, PMID:14071033, PMID:14215895, PMID:14473108, PMID:28046048, PMID:33458215

Comments: 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

Organism: Chlorocebus pygerythrus (Vervet monkey)

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: 20220427T215413+0000

Record Last Update: 20260904T021706+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). 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
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 368 mentions in open access literature.

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

Niu K, et al. (2026) Poxvirus A52 protein subverts autophagy flux by blocking autophagosome-lysosome fusion to promote viral replication. PLoS pathogens, 22(4), e1014137.

Fantin RF, et al. (2025) Human monoclonal antibodies targeting A35 protect from death caused by mpox. Cell.

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.

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.

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.

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.

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

Gir??n-Guzm??n I, et al. (2023) Spanish wastewater reveals the current spread of Monkeypox virus. Water research, 231, 119621.

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

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

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.

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).

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

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

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

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