

# Resource Summary Report

Generated by [dkNET](#) on Sep 3, 2026

## BS-C-1

RRID:CVCL\_0607

Type: Cell Line

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### Proper Citation

RRID:CVCL\_0607

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### Cell Line Information

**URL:** [https://web.expasy.org/cellosaurus/CVCL\\_0607](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

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## 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.

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## Data and Source Information

**Source:** [Cellosaurus](#)

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## 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.

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.

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

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.

Gir??n-Guzm??n 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.

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

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*.

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

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. (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).

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. (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).