

Vaccinia Virus, vSC56, Recombinant Expressing β-Galactosidase

Catalog No. NR-622

Product Description: Recombinant vaccinia virus, vSC56, was prepared by transfecting the transfer vector, pSC56, into cells infected with vaccinia virus strain WR. pSC56 contains a synthetic, vaccinia virus early/late promoter sequence and the *Escherichia coli lacZ* gene. Homologous recombination of pSC56 with vaccinia virus strain WR resulted in vSC56, a recombinant vaccinia virus expressing β-galactosidase. NR-622 is cell lysate from HeLa cells infected with vaccinia virus, vSC56.

Lot¹: 4003761

Manufacturing Date: MAR2005

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity in HeLa Cells²	Cell rounding and cell lysis	Cell rounding and cell lysis
Titer by Plaque Assay in BS-C-1 Cells^{3,4}	Report results	6.2 × 10 ⁷ pfu per mL
Sterility (21 CFR 610.12, 21 CFR 58, 21 CFR 211; 14 day) Fluid thioglycollate broth, 30°C - 35°C, aerobic Soybean-casein digest broth, 20°C - 25°C, aerobic	No growth No growth	No growth No growth
Mycoplasma Contamination (21 CFR 58) Detection by qPCR of extracted Test Article DNA	< 10 copies per ~0.45 µg of Test Article DNA	< 10 copies per ~0.45 µg of Test Article DNA

¹NR-622 was grown in Iscove's Modified Dulbecco's Medium (Invitrogen™ 12200-069) supplemented with 2% fetal bovine serum (Harlan Bioproducts for Science BT-9501).

²HeLa cells: BEI Resources NR-524.

³BS-C-1 cells: ATCC® CCL-26™; also available as BEI Resources NR-525.

⁴Plaque assay was completed over 48 hours at 37°C in an aerobic atmosphere with 5% CO₂.

/Heather Couch/

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28 MAY 2019

Program Manager or designee, ATCC Federal Solutions

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