b|e|i RESOURCES

SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for NR-53

Vaccinia Virus, Lederle-Chorioallantoic

Catalog No. NR-53

(Derived from ATCC® VR-118™)

Product Description: Cell lysate and supernatant from chicken embryo fibroblast (SL-29) cells[1] infected with vaccinia virus, Lederle-Chorioallantoic.

Lot[2]: 3632402 **Manufacturing Date: 08MAR2004**

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity in SL-29 Cells[1]	Cell rounding and cell lysis	Cell rounding and cell lysis
PCR Amplification of Species-Specific Sequence	Vaccinia virus	Vaccinia virus
Titer by $TCID_{50}$[3,4] Assay in SL-29 Cells[1]	Report results	1.6 X 10^6 $TCID_{50}$/mL
Sterility (21-day incubation)		
Harpo's HTYE broth[5], 37°C and 26°C, aerobic	No growth	No growth
Trypticase soy broth, 37°C and 26°C, aerobic	No growth	No growth
Sabouraud broth, 37°C and 26°C, aerobic	No growth	No growth
Sheep blood agar, 37°C, aerobic	No growth	No growth
Sheep blood agar, 37°C, anaerobic	No growth	No growth
Thioglycollate broth, 37°C, anaerobic	No growth	No growth
DMEM with 10% FBS, 37°C and 5% CO_2	No growth	No growth
Mycoplasma Contamination		
Agar and broth culture (14-day incubation at 37°C)	None detected	None detected
DNA detection by PCR of extracted Test Article nucleic acid	None detected	None detected

[1]SL-29 cells: ATCC® CRL-1590™.
[2]Grown in Dulbecco's Modified Eagle's Medium (ATCC® 30-2002) supplemented with 5% fetal bovine serum (ATCC® 30-2021) and 5% tryptose phosphate broth for 3 days at 37°C and 5% CO_2.
[3]The Tissue Culture Infectious Dose 50% ($TCID_{50}$) endpoint is the 50% infectious endpoint in cell culture. The $TCID_{50}$ is the dilution of virus that under the conditions of the assay can be expected to infect 50% of the culture vessels inoculated, just as a Lethal Dose 50% (LD_{50}) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the $TCID_{50}$ provides a measure of the titer (or infectivity) of a virus preparation.
[4]11 days at 37°C and 5% CO_2 with media overlay.
[5]Atlas, Ronald M. Handbook of Microbiological Media. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

Date: 12 JUN 2006 **Signature:** Signature on File

Title: Technical Manager, BEI Authentication

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

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