b|e|i RESOURCES

SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for NR-52251

Measles Virus, MVs/Maryland.USA/18.18 [B3]

Catalog No. NR-52251

Product Description:

Measles virus (MeV), MVs/Maryland.USA/18.18 [B3] was collected from a throat swab in May 2018 in Maryland, USA and was isolated March 22, 2019. NR-52251 lot 70077704 was produced by infecting *Chlorocebus aethiops* kidney epithelial cells with human signaling lymphocytic activation molecule (Vero-hSLAM) cells with the deposited material and incubating in Dulbecco's Minimum Essential Medium (ATCC® 30-2002™) supplemented with 2% fetal bovine serum (ATCC® 30-2020™) for 2 days at 37°C with 5% CO_2.

Passage History:

Vero-hSLAM(2)/Vero-hSLAM(3) (Centers for Disease Control and Prevention/BEI Resources); Vero-hSLAM = *Chlorocebus aethiops* kidney epithelial cells with human signaling lymphocytic activation molecule

Lot: 70077704 **Manufacturing Date: 16OCT2025**

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity in Vero-hSLAM Cells	Cell rounding and detachment, syncytial formation	Cell rounding and detachment, syncytial formation
Sequencing of Species-Specific Region (~ 450 nucleotides)	≥ 98% sequence identity with MeV, MVs/Maryland.USA/ 18.18 [B3] (GenBank: MH375603.1)	100% sequence identity with MeV, MVs/Maryland.USA/ 18.18 [B3] (GenBank: MH375603.1)
Titer by $TCID_{50}$ Assay in Vero-hSLAM Cells by Cytopathic Effect[1] (5 days at 37°C with 5% CO_2)	Report results	8.9×10^6 $TCID_{50}$/mL
Sterility test (BacT/ALERT 3D)		
iAST bottle (aerobic) at 32.5°C, 14-day incubation	No growth	No growth
iNST bottle (anaerobic) at 32.5°C, 14-day incubation	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]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.

/Sonia Bjorum Brower/
Sonia Bjorum Brower 19 DEC 2025
Technical Manager or designee, ATCC Federal Solutions

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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