

Measles Virus, Edmonston

Catalog No. NR-44362

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Derived from NIAID Catalog No. V-328-001-020

Product Description:

Measles Virus, Edmonston was isolated from the blood of a human in the acute phase of typical measles in Massachusetts, USA, in 1954. NR-44362 was produced by infecting human lung fibroblast cells (MRC-5, ATCC® CCL-171™) with BEI Resources seed lot 62052480 and incubating in EMEM (ATCC® 30-2003™) supplemented with 2% fetal bovine serum (ATCC® 30-2020™) for 12 days at 37°C with 5% CO₂ to produce this lot.

Passage History:

AGMK(6),MRC-5(3)/MRC-5(2) (Prior to deposit at BEI Resources/BEI Resources); AGMK = African green monkey kidney; MRC-5 = human lung fibroblast cells

Lot: 70076591

Manufacturing Date: 17JUN2025

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity in MRC-5 Cells	Cell rounding and detachment	Cell rounding and detachment
Sequencing of Species-Specific Region H Gene (~ 910 nucleotides)	≥ 98% sequence identity with Measles virus, Edmonston (GenBank: K01711)	100% sequence identity with Measles virus, Edmonston (GenBank: K01711)
Titer by TCID₅₀ Assay in MRC-5 Cells by Cytopathic Effect¹ (9 days at 37°C with 5% CO ₂)	Report results	2.8 × 10 ⁴ TCID ₅₀ /mL
Sterility test (Bact/ALERT 3D) iAST bottle (aerobic) at 32.5°C, 14-day incubation iNST bottle (anaerobic) at 32.5°C, 14-day incubation	No growth No growth	No growth No growth
Mycoplasma Contamination Agar and broth culture (14-day incubation at 37°C) DNA detection by PCR of extracted Test Article nucleic acid	None detected None detected	None detected None detected

¹The Tissue Culture Infectious Dose 50% (TCID₅₀) endpoint is the 50% infectious endpoint in cell culture. The TCID₅₀ 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% (LD₅₀) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the TCID₅₀ provides a measure of the titer (or infectivity) of a virus preparation.

/Sonia Bjorum Brower/

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11 SEP 2025

Technical Manager or designee, ATCC Federal Solutions

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