

Measles-RFP

Product Description

Product Name: Measles-RFP (Standard Titer, 0.25 mL)
Catalog Number: OV1008
Lot Number: OV-IM29

Shipping conditions: Dry ice
Storage conditions: Store at $\leq -70^{\circ}\text{C}$ upon receipt, avoid
subjecting to multiple freeze-thaw cycles

Species: Measles
Virus strain: Edmonston
Transgene: Red fluorescent protein (RFP)

Production Cell Line: Vero
Storage Media: Serum-free media
Propagation: Inoculate producer cells (e.g. Vero cells) at an
MOI of 0.03 for 2-3 hours at 37°C , followed
by incubation at 32°C . Harvest virus-
associated cells when $>80-90\%$ of the cell
monolayer has formed syncytia. Lyse by 2X
freeze-thaw cycles in liquid nitrogen. Remove
cell debris by centrifugation.

Measles-RFP is a recombinant of the live attenuated Edmonston
strain of measles virus. The red fluorescent protein (RFP) cDNA is
inserted as an additional transcription unit upstream of the
nucleocapsid (N) gene (see diagram below). The purchased virus
is ready to generate additional virus stocks.

Genome:



References:

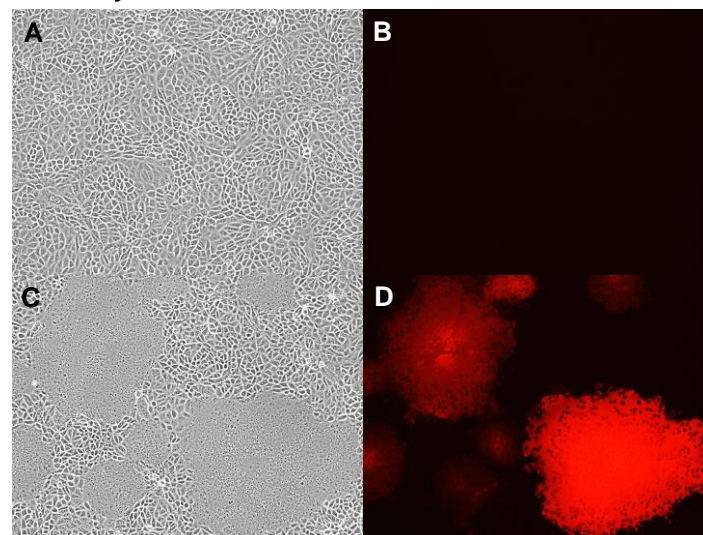
Mader et al. Clinical Cancer Research (2009), 15(23): 7246-7255.
Takeda et al. Journal of Virology (2005), 79(22): 14346-14354.

Certificate of Analysis

Testing performed by Imanis Life Sciences

Test description	Result
Titer (on Vero)	2.49×10^6 TCID ₅₀ units/mL
Sterility	Pass QC
Cytopathic Effect	Pass QC
Endotoxin Test	Pass QC
Fluorescence expression	Pass QC

Infectivity:



A & B: mock-infected Vero cells.

C & D: Measles-RFP-infected Vero cells (MOI 0.01) at 48 h.p.i.

Quality Control by: CL

Quality Assurance by: RLV

Effective Date: 02-Jun-2021

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