

Measles-Fluc

Product Description

Product Name: Measles-Fluc
(Standard Titer, 0.25 mL)

Catalog Number: OV1007

Lot Number: OV-IM30

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: Firefly luciferase (Fluc)

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. 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-Fluc is a recombinant of the live attenuated Edmonston strain of measles virus. The firefly luciferase (Fluc) 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:

Peng et al. Human Gene Therapy (2003), 14(16): 1565-1577.

Ong et al. Gene Therapy (2007), 14(4): 324-333.

Msaouel et al. Prostate (2009), 69(1): 82-91.

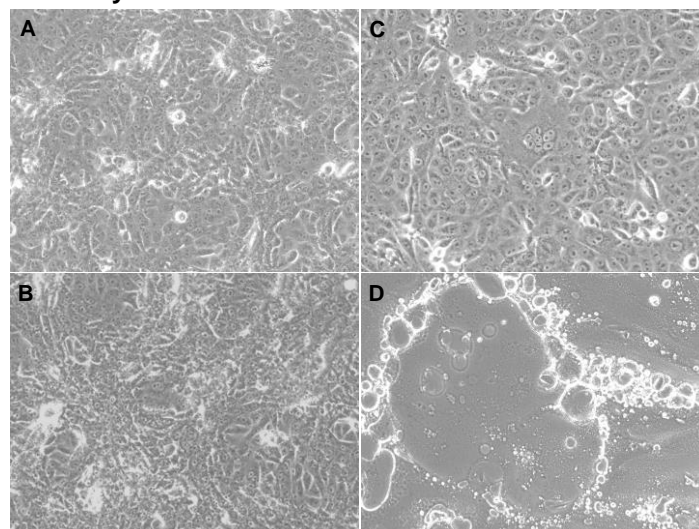
Takeda et al. Journal of Virology (2005), 79(22): 14346-14354.

Certificate of Analysis

Testing performed by Imanis Life Sciences

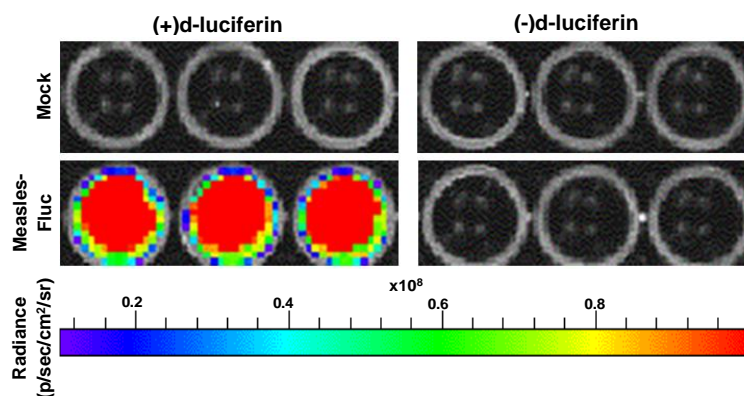
Test description	Result
Titer (on Vero)	2.17×10^6 TCID ₅₀ units/mL
Sterility	Pass QC
Cytopathic Effect	Pass QC
Endotoxin Test	Pass QC
Luciferase expression	Pass QC

Infectivity:



A & B: mock-infected cells at 24 (A) and 48 (B) h.p.i.
C & D: Measles-Fluc-infected Vero cells (MOI 0.1) at 24 (C) and 48 (D) h.p.i.

Firefly luciferase Expression:



Luciferase Activity: Vero cells were mock-infected or infected with Measles-Fluc at an MOI of 0.05. After 48 hours, 0.3 mg of d-luciferin was added to the indicated wells and luminescence was measured using a Xenogen IVIS Spectrum.

Quality Control by: CL

Quality Assurance by: RLV

Effective Date: 04-Jun-2021

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