

Product Description

Product Name: Measles-eGFP (Standard, 0.25 mL)
 Catalog Number: OV1006
 Lot Number: OV-MA10

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

Species: Measles
 Parental virus strain: Edmonston
 Transgene: Enhanced green fluorescent protein (eGFP)
 Production Cell Line: Vero
 Storage Media: OptiMEM (serum-free medium)
 Titer: 5.75×10^7 TCID₅₀ units/mL (on Vero cells)
 Propagation: Inoculate producer cells (e.g. Vero cells) at an MOI of 0.02 for 2-3 hours. Collect cells when 80-90% of the cell monolayer has formed syncytia. Lyse by 2X freeze-thaw in liquid nitrogen. Remove cell debris by centrifugation.

Description: Measles-eGFP is a recombinant of the live attenuated Edmonston strain of measles virus. The enhanced green fluorescent protein (eGFP) cDNA is inserted as an additional transcription unit upstream of the nucleocapsid (N) gene (see diagram below). The purchased virus is ready for use in cell killing assays or may be amplified to generate additional virus stocks.

Genome:



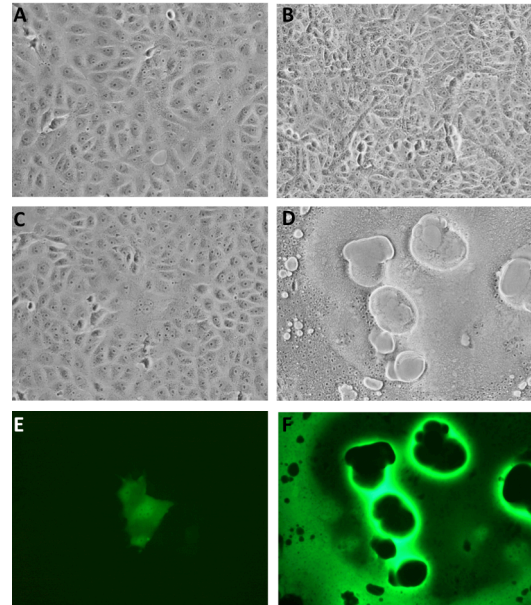
References:

- Duprex et al. *Journal of Virology* (1999), 73(11): 9568-9575.
- Duprex et al. *Journal of Virology* (2000), 74(17): 7972-7979.
- Plumb et al. *Journal of Neurovirology* (2002), 8(1): 24-34.
- Peng et al. *Human Gene Therapy* (2003), 14(16): 1565-1577.
- Blechacz et al. *Hepatology* (2006), 44(6): 1465-1477.
- Allen et al. *Cancer Research* (2006), 66(24): 11840-11850.
- Allen et al. *Molecular Therapy* (2008), 16(9): 1556-1564.
- Msaouel et al. *Prostate* (2009), 69(1): 82-91.
- Studebaker et al. *Neuro-oncology* (2010), 12(10): 1034-1042.
- Domingo-Musibay et al. *Cancer Gene Therapy* (2014), 21(11) 483-490.
- Patel et al. *Journal of Thoracic Oncology* (2014), 9(8): 1101-1110.

Certificate of Analysis

Test description	Result
Sterility	Pass QC
Cytopathic Effect	Pass QC
Fluorescence Expression	Pass QC

Testing by Imanis Life Sciences:



A & B: mock-infected Vero cells at 24 (A) and 48 (B) h.p.i.
C-F: Measles-eGFP-infected Vero cells (MOI 0.2) at 24 (C & E) and 48 (D & F) h.p.i.

Quality Control by: RLV
Quality Assurance by: SPR
Effective Date: 08/17/15

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For *in vitro* use only. This certificate is a declaration of analysis at the time of manufacture.

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