

Product Description

Product Name: Measles-eGFP (Standard Titer, 0.25 mL)
 Catalog Number: OV1006
 Lot Number: OV-IM25

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: Enhance green fluorescent protein (eGFP)
 Production Cell Line: Vero
 Storage Media: Serum-free media
 Propagation: Inoculate producer cells (e.g. Vero cells) at an
 MOI of 0.02 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-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:



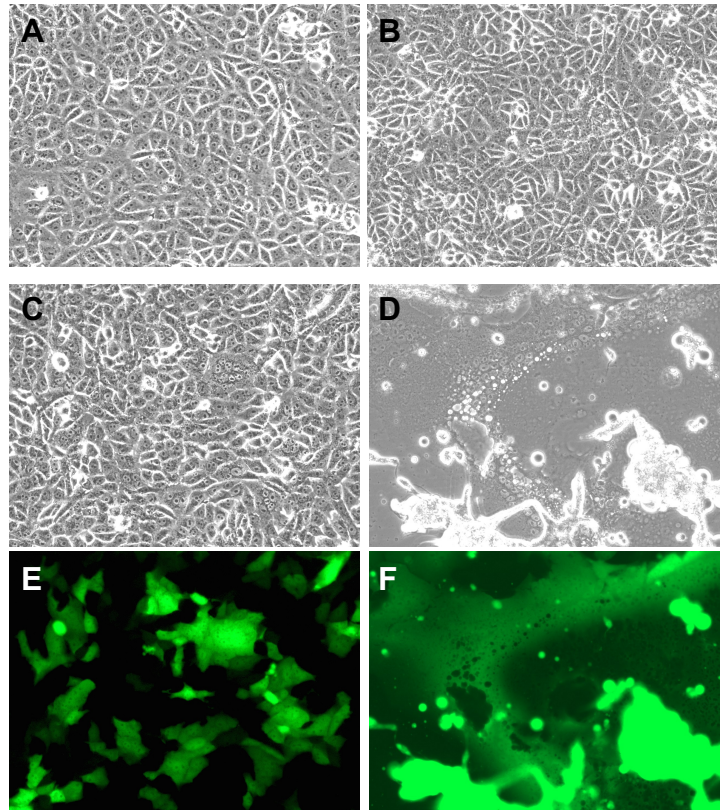
References:

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

Certificate of Analysis

Test description	Result
Titer (on Vero)	3.46×10^6 TCID ₅₀ units/mL
Sterility	Pass QC
Cytopathic Effect	Pass QC
Endotoxin Test	Pass QC
Fluorescence expression	Pass QC

Infectivity:



Vero cells were mock infected (A & B) or infected with Measles-eGFP at an MOI of 2 (C-F). Photos were taken at 200x magnification after 24 (A, C, E) and 48 (B, D, F) hours.

Quality Control by: LS
Quality Assurance by: RLV
Effective Date: 03-Aug-2017

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For research use only. This certificate is a declaration of analysis at the time of manufacture

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