

# HSV-GFP

## Product Description

Product Name: HSV-GFP (Standard Titer, 0.25 mL)  
 Catalog Number: OV3001  
 Lot Number: OV-IM10

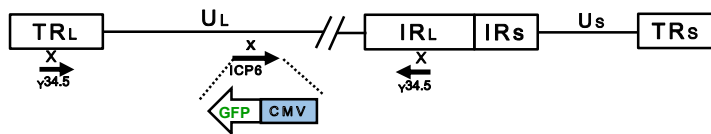
Shipping conditions: Dry ice  
 Storage conditions: Store at  $\leq -70^{\circ}\text{C}$  upon receipt, avoid  
 subjecting to multiple freeze-thaw cycles

Species: Herpes simplex virus-1 (HSV-1)  
 Virus strain: Strain 17+  
 Transgene: Green fluorescent protein (GFP)

Production Cell Line: Vero  
 Storage Media: Serum-free media  
 Propagation: Inoculate producer cells (e.g. Vero) at an MOI of 0.01 for 2-3 hours. Harvest culture supernatant and cells when 80-90% of the cell monolayer is showing cytopathic effects (CPE); freeze-thaw 3 cycles and clarify by low-speed centrifugation. Centrifuge the supernatant at 14,000x g for 1h at 4°C. Resuspend the viral pellet in DPBS.

HSV-GFP is a recombinant of the strain 17+ of Herpes simplex virus-1 (HSV-1). HSV-GFP contains a deletion of both copies of ICP34.5. The human cytomegalovirus (CMV) promoter followed by the GFP cDNA is inserted in the ICP6 reading frame (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:

Campadelli-Fiume, et al. *Rev. Med. Virol.* (2011), 21(4):213-26.  
 Li, et al. *Cancer Gene Ther.* (2013), 20(8): 478–485.  
 Maneta, et al., *Nat. Med.* (1995), 1(9):938-43.  
 Chou, et al., *Science* (1990), 250, 1262-1266.  
 Kramm, et al., *Human Gen. Therapy* (1997), 8:2057-2068  
 Bolovan, et al., *J Virol.* (1994), 68(1): 48–55.

## Safety Precaution:

All culture work with HSV should be performed by trained personnel and performed under BSL2 containment following NIH guidelines.

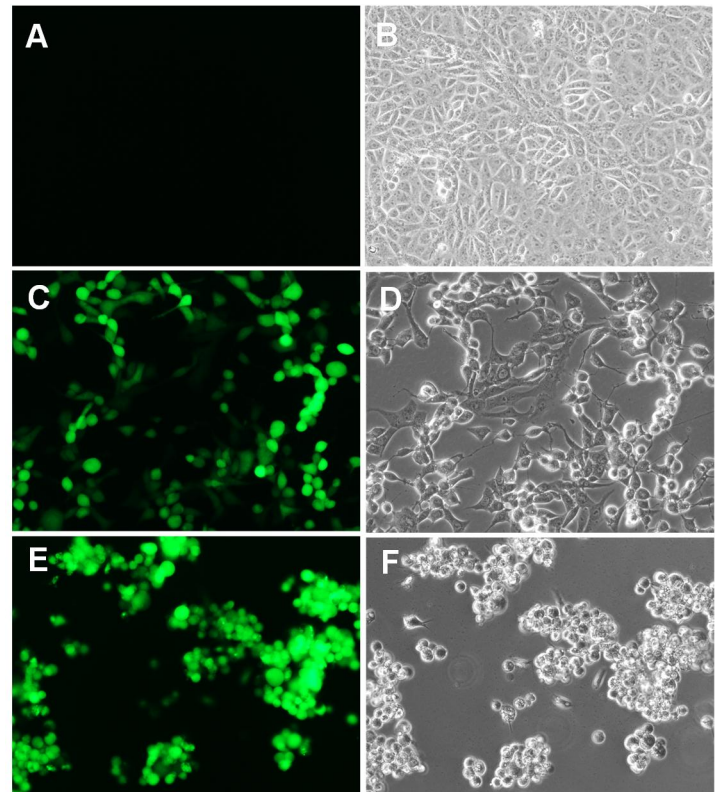


## Certificate of Analysis

Testing performed by Imanis Life Sciences

Test description	Result
Titer (on Vero)	2.89x10 <sup>7</sup> TCID <sub>50</sub> 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: HSV-GFP-infected Vero cells (MOI 0.01) at 24 h.p.i.

E&F: HSV-GFP-infected Vero cells (MOI 0.01) at 48 h.p.i

Quality Control by: MT

Quality Assurance by: RLV

Effective Date: 06-Feb-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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