

Baculovirus Titer Assay

Rapid, reproducible determination of infectious virus particles in high titer baculovirus stocks

We utilize a plate-based flow cytometry assay to determine the titer (infectious particles per milliliter, IU/mL) of baculovirus stocks.

Understanding the multiplicity of infection (MOI) is an important step in the production of recombinant proteins using baculovirus mediated expression platforms. MOI measures the number of infectious virus particles used for infection relative to the number of insect cells in the culture.

Advantages:

- Accurate determination of baculovirus titers in the range of 10^7 - 10^9 IU/mL
- Requires as little as 1 mL of baculovirus stock for assay to be performed in triplicate
- Results in as few as 3-5 business days from sample receipt

Method:

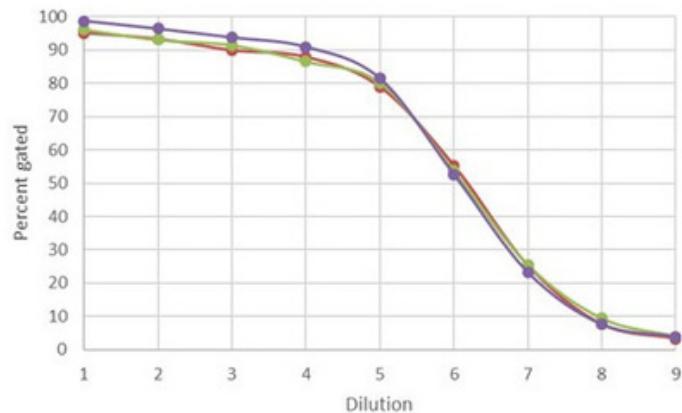
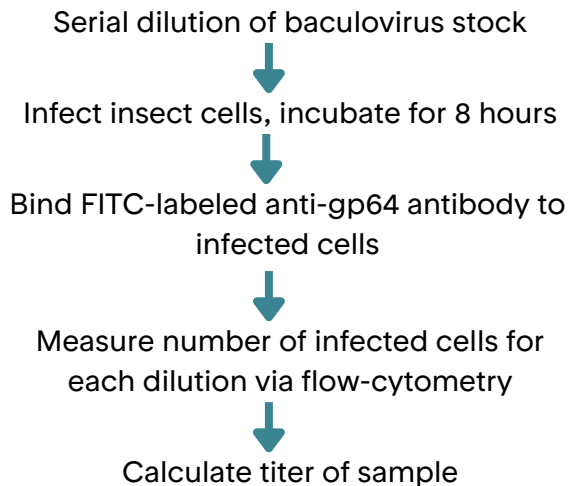


Figure 1. Curves representing percent gated values versus dilution number for three replicates.

Titer Determination (IU/mL)			
Replicates	Average	Std Dev	%CV
2.08E+09	2.03E+09	6.3E+07	3.12
2.05E+09			
1.96E+09			

Figure 2. Representative data provided to customer for titer determination

Email info@proteos.com to connect with our scientists.

