APPLICATION NOTE

Time and Cost Advantages For:

RAPID CLONE SCREENING

Streamline identification of the most promising viral strains and speed time to product.

PROMT EVALUATION OF ANTIVIRAL EFFECTIVENESS

Assess antiviral effectiveness with real-time “before and after measurements” of virus concentration.

PROCESS DEVELOPMENT

Efficiently track virus losses, purification, and concentration during post-growth processing.

EVALUATION OF DI PARTICLE CONCENTRATION

Use a combination of infectious concentration (pfu/mL) and total virus concentration (vlp/mL) to affordably determine the Defective Interfering particle concentration.

REAL-TIME MONITORING OF VIRUS PRODUCTION IN CELL CULTURE

Determine batch success and optimize harvest time by real-time measurements of virus concentration as a function of time post infection.

FAST QUANTIFICATION OF VIRUS CONCENTRATION FOR PROTEIN EXPRESSION

Enhance research efforts and save weeks of time by eliminating the need to wait for plaque titer assay results from a central facility.

AFFORDABLE CHARACTERIZATION OF VIRAL ANTIGENIC STANDARDS

Measure total virus concentration at a small fraction of the cost of transmission electron microscopy (TEM) without the need for antibodies.

EVALUATION OF VIRUS STABILITY AS A FUNCTION OF TIME AND STORAGE

Improve virus characterization by screening for degradation and (or) aggregation of stored viruses.