

Direct Antibody-Based Virus Quantification in Minutes!

The ViroTag detection system provides mission-critical data in real-time.

With ViroTag for EV71, label your crude or purified samples, analyze on the Virus Counter 3100, and gain a higher level of quantitative insight. Enables immediate tracking of virus titer during growth, harvest and purification to:

- * Optimize conditions
- * Maximize yields
- * Identify problems sooner



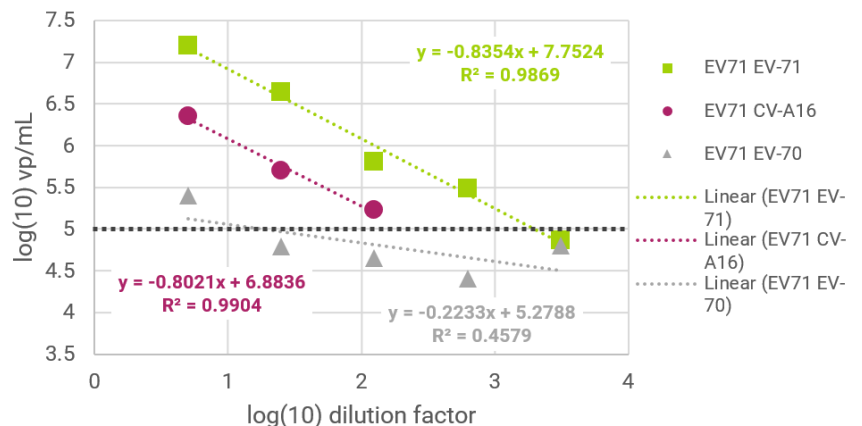
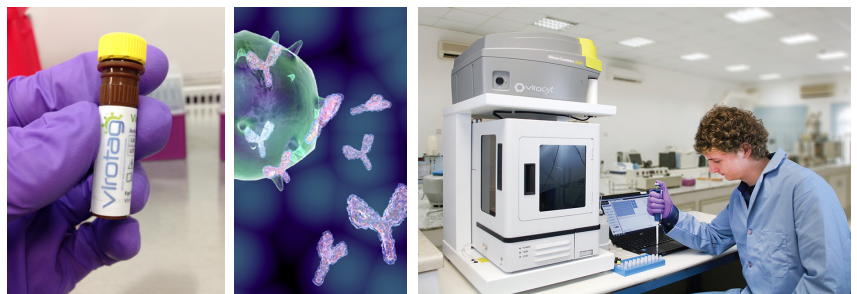
Does your organization need a faster, more precise, simple-to-use method for quantifying viruses? Are your current approaches to quantification creating bottleneck in your production processes?

Then consider this: ViroCyt® has developed a novel technology enabling direct, biologically-specific enumeration of viruses in minutes, rather than the days or weeks required by more traditional and less accurate approaches such as plaque titer and qPCR. **ViroTag®** utilizes a fluorescently-labeled, high-affinity antibody which binds to a unique epitope specifically expressed by your virus of interest.

With the Virus Counter® 3100, use this rapid, no-wash detection system to take your EV71 quantification to new levels of accuracy, speed and simplicity.

RESULTS

As illustrated in the figure to the right, **ViroTag EV71** was tested on dilution series of three different viruses: Enterovirus 71; the closely related Coxsackievirus A16; and, Enterovirus 70. The first two demonstrate excellent linearity and correlation with dilution (slope between -0.8 and -1.2; R-squared approaching 1), while the third does not. Dotted line indicates lower limit of detection.



CONCLUSION

The implementation of real-time virus quantification during the upstream and downstream bioprocessing of EV71 allows:

- In-process monitoring
- The ability to quickly adjust parameters
- Harvesting with pinpoint precision
- A clearer picture of virus titer at each and every purification step

Product specifications: The ViroTag EV71 kit (catalog number VT-0005-0001) contains all reagents and consumables necessary to analyze 200 samples using the Virus Counter 3100 in standalone mode (96 samples in autosampler configuration), including:

- ✓ EV71-specific ViroTag label
- ✓ Sample Dilution Buffer (SDB)
- ✓ Cleanliness Verification Fluid (CVF)
- ✓ Performance Validation Standard (PVS)
- ✓ Startup/Shutdown Rinse (SSR)
- ✓ Sheath Fluid
- ✓ Wash Fluid
- ✓ Sample Vials & Caps (or 96 Well Plate)

