

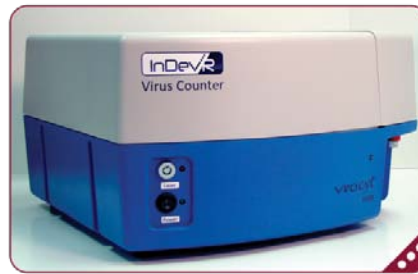


HIGHLIGHTS

- ✓ Delivers a quantitative, non-subjective measure of the number of intact virus-like particles per unit volume **within minutes**
- ✓ Streamlines R&D efforts with greater efficiency and **faster results**
- ✓ Provides a time-effective and **cost-effective** alternative or complement to TEM, plaque titer assays and immunoassays
- ✓ **Easy-to-use**, intuitive software for real-time data analysis

HIGH IMPACT FOR

- ✓ Vaccine R & D
- ✓ Antiviral Research
- ✓ Viral Vector Research and Protein Expression
- ✓ Bioprocess Optimization
- ✓ Viral Antigen Characterization
- ✓ Viral Diagnostic Standard Characterization



RAPID ALTERNATIVE FOR VIRUS QUANTIFICATION

A compact and easy-to-use instrument, the Virus Counter provides a direct measurement of virus or virus-like particle concentration within minutes.

Unlike conventional plaque titer assays, which take days to complete, the Virus Counter provides accurate and quantitative results in less than 10 minutes. The instrument requires only minimal technical training and its small footprint makes it an easy addition to the lab.

The Virus Counter is a unique, “personal” flow cytometer designed specifically for virus quantification. Similar to virus concentration determined by transmission electron microscopy (TEM), the Virus Counter provides a measurement of the total number of virus particles per mL. Unlike TEM however, the assay can be completed in minutes at a per sample cost ~1000x lower than for TEM.

The instrument and assay are designed to work for both RNA and DNA viruses, such as influenza virus, baculovirus, adenovirus, rubella, respiratory syncytial virus, dengue virus, vaccinia, herpes simplex virus, and cytomegalovirus. The Virus Counter assay provides a measure of the total number of virus particles (vp) and is ideal for virus concentrations above 10^6 vp/mL or pfu/mL.

STREAMLINES R&D EFFORTS

Whether you are making, using, or buying viruses for research or production, you'll find that the Virus Counter will have a tremendous positive impact on your R&D efforts. For purified virus, the assay involves a simple staining step followed by a 5 – 10 min analysis on the Virus Counter. The Virus Counter InCyt™ software is intuitive and easy to use, featuring *real-time* data analysis which further reduces the time to result.

Each Virus Counter comes complete with a Starter Kit containing all of the necessary supplies to get you up and running quickly. Reordering supplies is simple, with time saving one-stop shopping at the InDevR website.

DELIVERS FAST RETURN ON INVESTMENT

The Virus Counter assay utilizes universal nucleic acid and protein stains, thereby eliminating the need for expensive antibodies. The reagent cost per assay is comparable to the reagent costs of a plaque titer assay. Thus, the Virus Counter is more cost-effective than methods such as quantitative PCR and transmission electron microscopy, and more time-effective than methods such as plaque assays or immunoassays.

GENERAL SAMPLE CONSIDERATIONS

Virus Genome (>9000 nt, bp)

Virus Size (>25 nm)

Titer (>10⁶ pfu/mL)

Purification (depends on virus and matrix, simple clarification generally sufficient)

TECHNICAL SPECIFICATIONS

Components	ITEM	
		Virus Counter ViroCyt 1100
	100-240 volts AC, 50-60 Hz power adapter	
	Notebook computer with Windows operating system, mouse, USB cable	
	Virus Counter InCyt software installed and CD (with single-user license)	
Starter Kit (included)	ITEM	PART NUMBER
	Sheath fluid	VC-5003
	Wash fluid	VC-5002
	Combo Dye Concentrate	VC-5006
	Combo Dye Buffer (CDB)	VC-5005
	Sample Dilution Buffer (SDB)	VC-5004
	Performance Validation Standard (PVS)	VC-5007
	Inter-Sample Wash (ISW)	VC-5009
	Cleanliness Verification Fluid (CVF)	VC-5010
	Startup/Shutdown Rinse (SSR)	VC-5011
	Sample Vials and Caps	VC-4002
	Vial Rack	VC-4003
	Transfer Bottle Set	VC-4004
Service Kit	VC-6002	
Hardware	Excitation source: laser (Class 3B)	
	Light detectors: photomultiplier tubes	
	Compressed gas source: instrument air (customer to provide air, or CO ₂ or N ₂ at 15 psi)	
Environment	65-80°F (18-27°C)	
Weight	29 lbs	
Dimensions	17" W x 17" D x 10" H	
Power	100-240 volts AC, 1.5 amps, 50-60 Hz	
Warranty	Basic warranty: 1 year parts, 90 days all labor and travel	
	Gold Package: Unlimited service by phone/Internet, response within 1 business day All instrument parts, labor, travel for up to 3 field service calls Platinum Package: Unlimited service by phone/Internet, response within 1 business day 1 scheduled on-site maintenance All instrument parts, labor, travel for up to 3 field service calls Priority field service	