

EV-R200



EXOVIEW[®] R200 IMAGING PLATFORM

COMPLETE VIRUS CHARACTERIZATION

KEY FEATURES



PURIFICATION NOT REQUIRED

Measure your sample at all stages of the downstream purification process



VIRUS SIZE/AGGREGATION

Measurement of virus size and aggregation down to 20 nm



VIRAL TITER

Measurement of physical virus titer at all stages of the purification process



FULL/EMPTY RATIO

Discrimination of full versus empty virus via capsid detection



PSEUDOTYPE PROFILING

Quantitative analysis of targeting molecule expression in individual viruses



FULLY CUSTOMIZABLE

Customize capture antibodies against any virus using ViroFlex

REQUEST A DEMO TODAY



THE COMPLETE EXOVIEW® SYSTEM

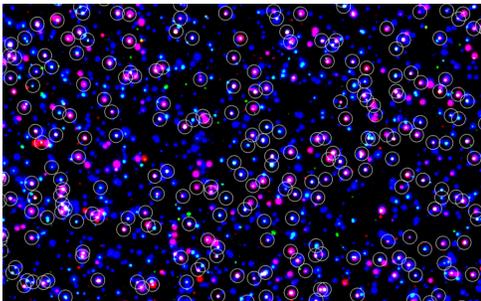
- R200 Automated Imager
- Acquisition & Analysis Software
- Standard or Customizable Assays

THE NEXT GENERATION OF VIRAL ANALYSIS

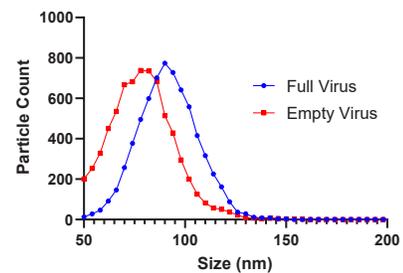
The ExoView® R200 is the next generation imaging platform to provide rapid and actionable data on virus size, full/empty ratio, viral titer and pseudotype characterization. Our technology allows viruses to be measured at all stages during the purification process and links proteomic information to physical viral titer without the need for sample purification. Data collected using the ExoView platform has been demonstrated to be highly predictive of transduction efficiency, and provides a rapid and predictive tool to assess vector performance.



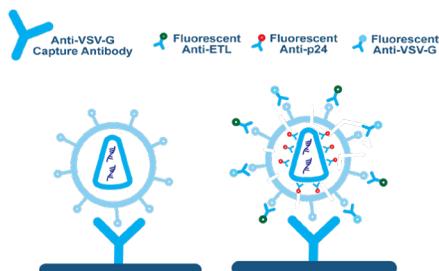
Pseudotype characterization and quantification



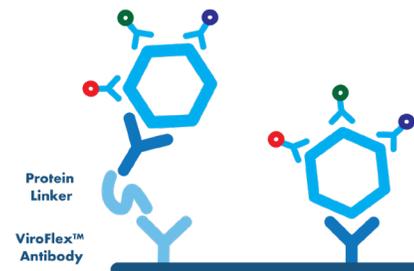
Measure virus size and viral protein and capsid markers



Discrimination of full versus empty virus via capsid detection



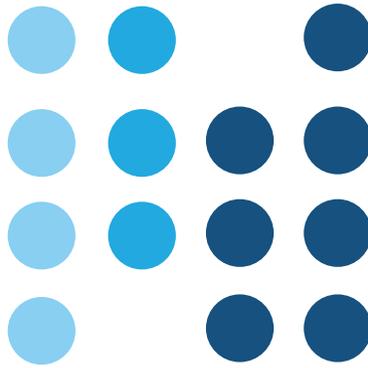
Fully user-customizable detection of viruses with ViroFlex



PERFORMANCE

Specification	ExoView R100	ExoView R200	ExoView R200+
Minimum Particle Size Scatter	20 nm		
Fluorescence Sensitivity	Single fluorescent antibody sensitivity		
Capture Antibodies	Up to 6 (+negative control) on multiplexed single use chip		
Concentration Linearity	5x10 ⁵ to 1x10 ⁸ VP/mL		
Sample Volume	50 µL on chip (often diluted 1:10–1:1000)		
Viral Titer	Yes		
Full/Empty Ratio	Yes		
Purification Required	No		
Excitation Wavelengths	410 nm scatter 488 nm fluorescence 555 nm fluorescence 640 nm fluorescence		410 nm scatter 488 nm fluorescence 555 nm fluorescence 640 nm fluorescence 750 nm fluorescence
Scan Time*	10 mins per chip	8 mins per chip	8 mins per chip
Number Of Samples	9	16	16
Fully Automated	X	✓	✓
Chip Washer Compatible	✓	✓	✓

* Average values (depending on number of capture antibodies)



NanoView

B I O S C I E N C E S

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