

LENTIVIEW™ LENTIVIRUS ANALYSIS KITS

COMPLETE VIRUS CHARACTERIZATION



Measure viral
titer



Virus size/
aggregation



Empty/full ratio



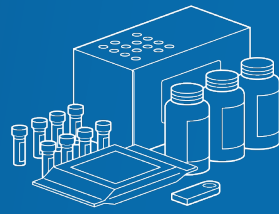
Pseudotype Profiling

For Research Use Only.
Not for use in diagnostic procedures.

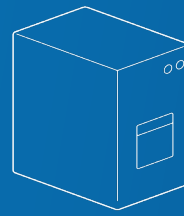
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1-833-EXO-VIEW

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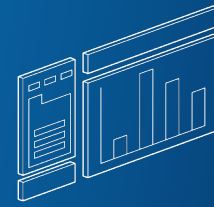
**THE COMPLETE
EXOVIEW™
SYSTEM**



LentiView™ Kit



R200 Automated Imager



ExoViewer Analysis Software

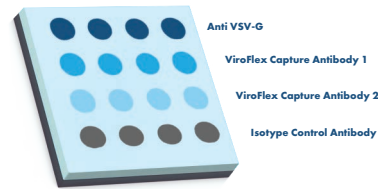
LentiView™ Kits measure virus size, viral titer, full/empty ratio without the need for sample purification.

LentiView assays provide rapid and actionable data on virus size, empty/full ratio, viral titer and pseudotype characterization. Data from LentiView has been demonstrated to be highly predictive of transduction efficiency, and provides a rapid and predictive tool to assess vector performance at all stages within the purification process.

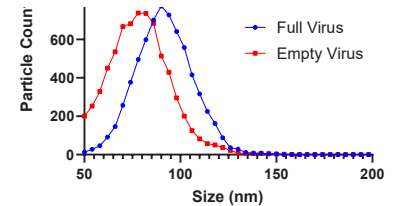
EACH KIT CONTAINS:

- 16 LentiView™ chips
- Chips are functionalized with VSV-G capture antibodies
- Optional ViroFlex 1 and ViroFlex 2 capture antibodies for customized capture of any virus or pseudotype.
- Isotype controls
- Fluorescent antibodies against VSV-G, p24 and two open channels for custom staining
- Permeabilization reagents for empty/full capsid staining

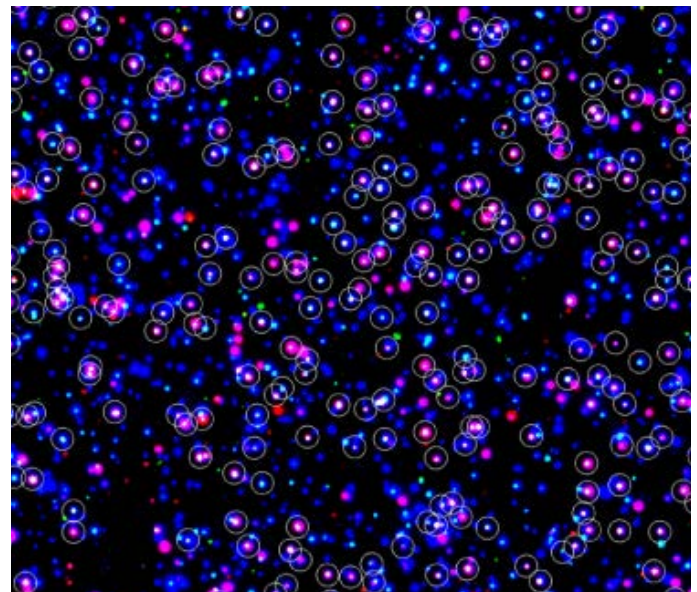
For Use With ExoView Imaging Platforms Only



LentiView™ chip showing capture antibody configuration.







Size distribution of full and empty viruses measured by LentiView™.



Example image of lentivirus bound to a LentiView chip. Lentivirus is bound via VSV-G envelop protein. The viruses are probed for internal p24 capsid protein in red and the number of viruses that express both VSV-G in blue and p24 in red are shown in pink and counted by the NanoView software.

SPECIFICATIONS

STANDARD CAPTURE PROBES	VSV-G
CUSTOM CAPTURE PROBES	ViroFlex 1 and ViroFlex 2
SAMPLE VOLUME	35 µL
SAMPLE INCUBATION TIME	1 Hour
PROBE REPLICATES	6
DATA ACQUISITION TIME	8 minutes per chip, 16 chips automatically measured

SECONDARY ANTIBODIES	VSV-G p24 fluorescence fluorescence
PURIFICATION REQUIRED?	No
DATA ANALYSIS	 Measure size of viruses down to 20 nm  Distinguish empty from full viral particles  Pseudotype characterization and quantification  Measure viral titer