

# qViro<sup>x</sup>

**The next step in the development of nanopore-based virus analysis instrumentation.**

qViro-X enables rapid quantitation and analysis of individual virus particles in real-time, ideal for assessment of viral titre and aggregation.

Its decontamination-proof stainless steel exterior has been purpose-built for virus-handling environments.

## Key Features

- Accurate Total Viral Titre (particles / mL)
- Aggregation & Stability Assessment
- Rapid Analysis. No Expensive Reagents.
- Stainless Steel Decontamination Proof Design
- Easy Set-up. Small Sample Size (40 µL)
- Full Data Audit (21 CFR Part 11 Compliant Software)





## Key Features of qViro<sup>X</sup>

### Accurate Total Viral Titre

qViro-X enables rapid and reliable counting of the total number of virus particles present in a sample (viral particles / mL). Used in conjunction with infectivity assays this allows users to determine the relative concentrations of infective virus particles vs. total viral particles present.

### Aggregation & Stability Assessment

qViro-X measures viral particle size on a particle-by-particle basis, providing accurate size distribution output, which is useful for assessment of viral aggregation and stability during vaccine production. The number of viral aggregates can be reliably measured and displayed in relation to the total number of pure virus particles in the sample.

### Rapid Analysis. No Expensive Reagents

Rapid detection occurs in real-time, allowing measurement of thousands of viral particles. Total analysis time per sample is usually 10 - 15 minutes. Rapid analysis and the lack requirement for expensive reagents results in immediate cost savings and gains in productivity. Total set-up and analysis time is usually only 10-15 minutes, depending on the sample type.

### Decontamination-Proof Design

Disposable elements of the instrument ensure that issues of contamination are handled easily. The stainless steel body of the instrument allows wash-down with harsh chemicals to meet stringent decontamination requirements.

### Easy Set-up. Small Sample Size.

Measurement is simple and involves pipetting 40 µL of sample into the upper fluid cell of qViro-X.

### Full Data Audit Trail.

21 CFR Part 11 Compliant Software Provides improved security features and a full data audit trail that meets FDA requirements.

### Examples of Viruses measured to date.

A wide range of Viral and non-viral Vaccines and Vectors have been analysed using SIOS-based measurement. Examples include: Adenovirus, Lentivirus, Baculovirus, HIV, Dengue Virus, MS2 Phage, Varacella Zoster Virus, Rotavirus, CMV, H1N1, H7N3, EV71, VLPs, HSV Marine and fresh water viruses, including both purified and environmental samples.

**Enquire at [info@izon.com](mailto:info@izon.com) and ask how we can improve the quality of your virus analysis research.**