

Waters Xevo CDMS

See What No One Has Seen Before

The Xevo™ CDMS shatters the limits of conventional mass spectrometry. For the first time, scientists can directly measure large and heterogeneous molecules previously undetectable with conventional techniques—like viral vectors, lipid nanoparticles, and protein complexes—with clarity, speed, and precision.



Xevo™ | CDMS



Charge detection mass spectrometry
Single-ion detection



Direct Mass Measurement
True clarity for megadalton molecules



Faster Decisions
Identify best candidates earlier



Unprecedented Resolution
See structures AUC and mass photometry miss



GxP-Ready
Simple, compliant data for submissions

"We're realizing we can ask entirely new questions with this technique—things we didn't even think were testable before."

— Timothy Fenn, Vice President,
Analytical Development and
Quality Control, LEXEO Therapeutics



Where CDMS Delivers Clear Advantages

- Cell & Gene Therapy: Confidently characterize AAVs and lentiviral vectors
- mRNA & LNPs: Optimize lipid nanoparticle delivery systems
- Protein Complexes: Reveal heterogeneity and structure-function relationships
- Structural Biology: Complement cryo-TEM with real mass clarity

Why Choose Xevo CDMS vs. Legacy Tools?

- >100 MDa mass range
- Individual particle detection with ELIT™ technology
- Minimal sample needs (up to 100-fold less than current techniques)
- Simple, inject-and-forget workflows

Are You Ready to See the Unseen?

Discover how Xevo CDMS can accelerate your pipeline and deliver unmatched biomolecular analysis.

waters.com/CDMS | Contact your Waters representative

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