MS Software

TwinScape™

Intelligent Quality Management

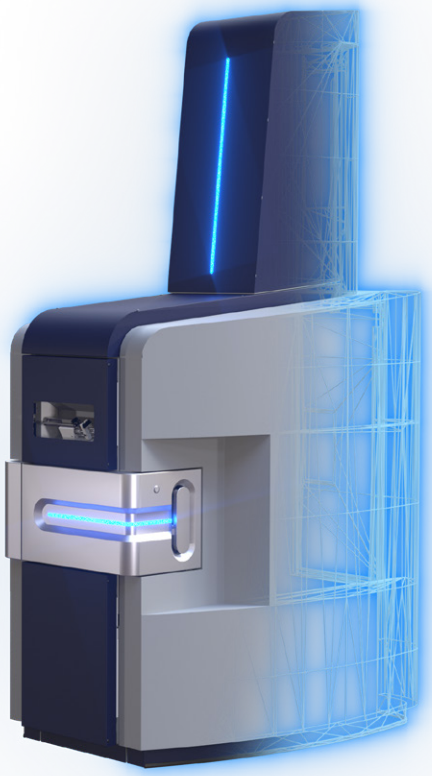
Innovation with Integrity

Welcome to TwinScape

TwinScape is a groundbreaking cloud-based tool for instrument performance and data quality management, meticulously crafted for life science researchers using liquid chromatography (LC), trapped ion mobility spectrometry (TIMS), and mass spectrometry (MS) technologies. Its mission is to empower users with deeper insights to the accuracy, reliability, and reproducibility of their instrument performance and data quality results.
With TwinScape, you can elevate your quality management and gain clear confidence in the performance of your system for the most challenging omics applications.

Key Features

- Digital Twin Solution: TwinScape continuously monitors mass spectrometry instrument health and alerts users to any parameters operating outside of specification.
- Assurance of Instrument Performance: With TwinScape, you can verify instrument performance before and after analyzing precious biological samples, ensuring confidence in your system setup and overall consistency of results.
- Integration with Reference Materials: Combine TwinScape with standard reference materials and the Biognosys indexed Retention Time (iRT™) kit to enhance data quality management with detailed LC-TIMS-MS measurement information.
- Longitudinal Tracking: Utilize Bruker ProteoScape™ software for proteomics data analysis to enable longitudinal tracking of data quality, leading to improved results over time.
- Powerful Laboratory Management: Organize and compare data across your lab's hardware configurations and analytical methods with convenient data filtering capability.
- TwinScape now supports Bruker's nanoElute® 2, monitoring LC instrument health and providing visualization of valuable trends including those in LC pump pressures, enabling the early detection of potential leaks and allowing for rapid and efficient intervention.



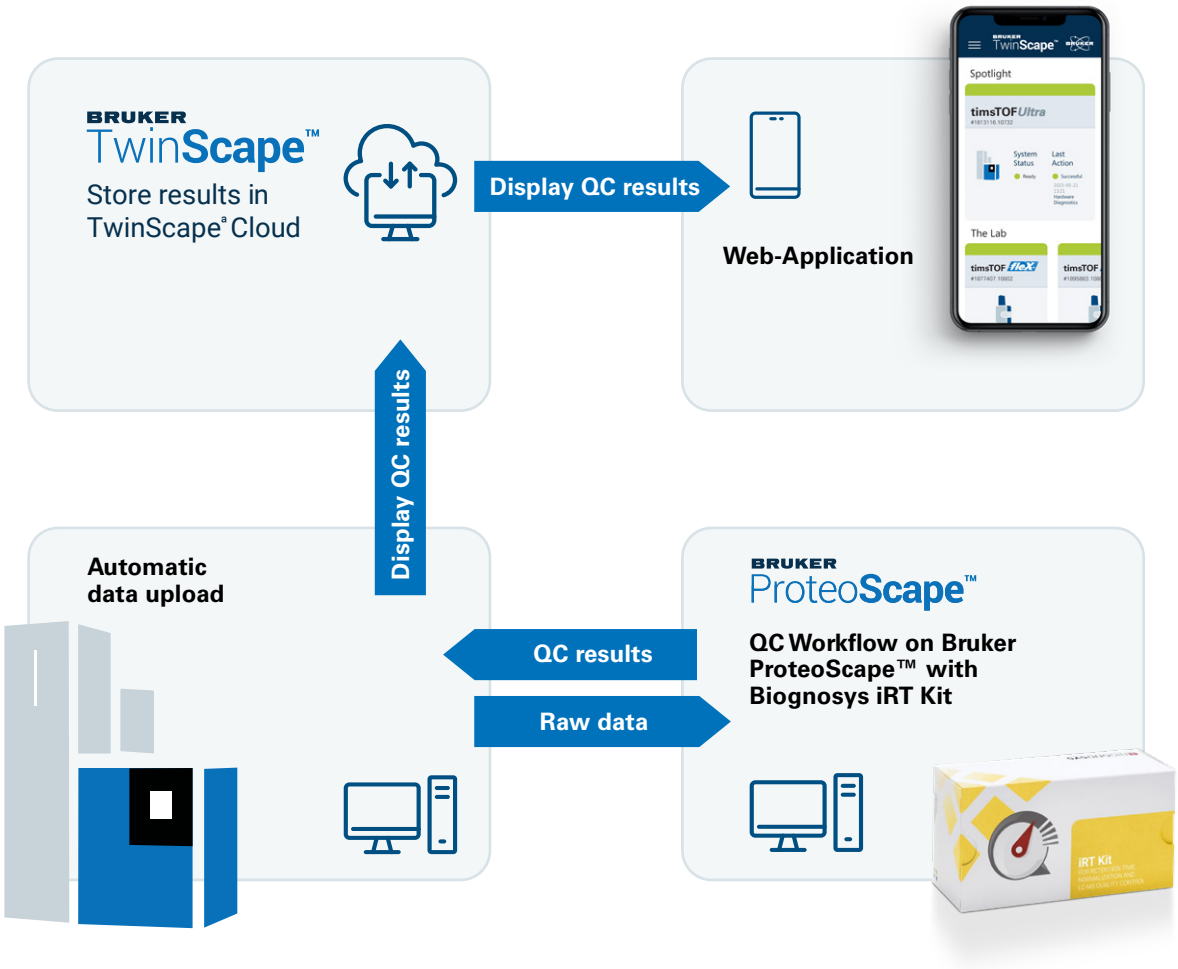


Figure 1. The TwinScape workflow for proteomics applications using the Biognosys iRT Kit

QC sample-based metrics include:

- Total number of protein groups
- Total number of stripped peptides
- Number of precursors

iRT peptide-based metrics include:

- Precursor intensity/area
- Precursor mass accuracy
- Retention time
- MS/MS quality
- FWHM
- 1/K0

To learn more about how TwinScape™ can revolutionize data quality management in your laboratory, visit our website or contact us today.

Elevate Your Data Quality Management with TwinScape™

Connect with Us

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

Bruker Switzerland AG

Fällanden · Switzerland
Phone +41 44 825 91 11

Bruker Scientific LLC

Billerica, MA · USA
Phone +1 (978) 663-3660

marketing.bams.emea@bruker.com - www.bruker.com