BRAVE
ANALYTICS

B2 Analyzer for ultra-low concentration measurement and time-resolved nanoparticle characterization

- Determines ultra-low concentrations and single large particles
- Delivers automated, time-resolved and continuous PSD
- Detects large-particle tails and LPC

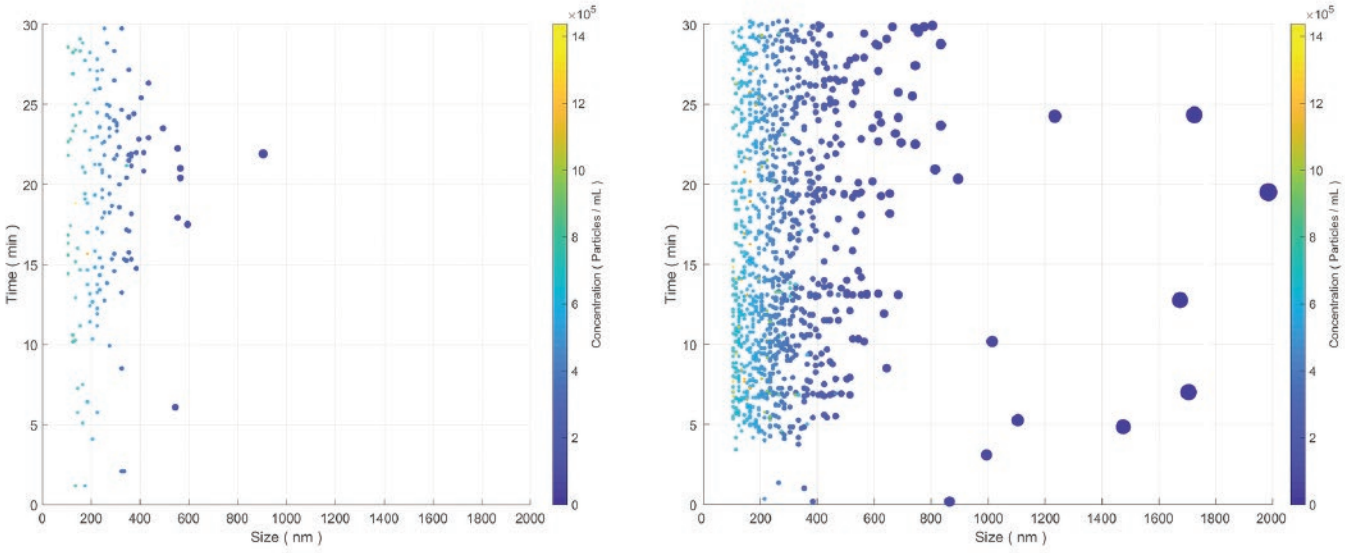
BRAVE
ANALYTICS

INVESTIGATE NANOPARTICLE SIZE DISTRIBUTIONS AND CONCENTRATION OVER TIME IN THE LAB

The BRAVE B2 analyzer gives you a second-by-second, particle-by-particle view of your particles and nanoparticles, and even detects ultra-low concentrations and uncommon large particles.

You get:

- insight into sample behavior over time, e.g. from one second to several hours,
- single-particle accuracy, similar to NTA but with ultra-high particle count and results in seconds, updated continuously,
- information on aggregation, disassociation, large particle counts and monitoring of rare oversized particles,
- in-depth knowledge of different particle populations, including ultra-low concentrations, oversized particles and anomalies.



Time-resolved PSD: Particle formation processes during liquid-liquid phase separation (LLPS) with low (left) and high (right) RNA concentrations.

MODULAR PLATFORM – CHOOSE YOUR INSIGHTS

Concentration determination: detection of ultra-low concentrations, e.g. nanoplastics, water for injections.

Low-volume sizing: determination of PSD from low volumes, starting at 20 µl*

Sizing range extension: detection of large particle tails, LPC, aggregation behaviors.
Sizing range: 20 nm to 50 µm*

OF2i® PLATFORM

Time-resolved sizing: monitoring PSD continuously directly out of containers.
Sizing range: 20 nm to 3 µm*

Coming soon: particle analytics. Characterizing particle populations using spectroscopic particle data.

Coming soon: Raman tweezers. Characterization on a single-particle basis with Raman spectroscopy.

*sample-dependent

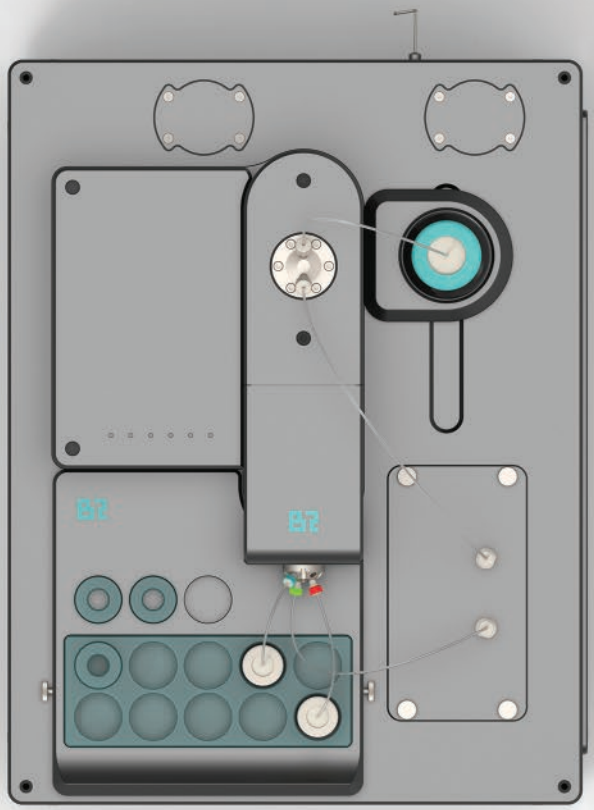
Specifications

Continuous, time-resolved sample scans on up to 4K particles/min*

Measuring statistics as number-based hydrodynamic size distribution.

Particle sizing range: 20 nm to 50 µm (module-dependent).

For nanosuspensions, nanoemulsions and colloidal formulations (liquid continuous phase; solid or liquid dispersed phase).



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