

## NEW ALS3000 Automated DLS System

**Multi-angle light scattering platform with automated sample introduction**

### NEW ALS3000 Automated DLS System a Protein Discovery System.

Designed for the Protein Discovery Laboratory where the number of candidates needed and the time required to develop the ideal solvent conditions, outnumber the number of hours in the day. Designed around Precision Detectors already well proven Dynamic Light Scattering Technology. Incorporates an automated sample preparation device that is integrated and computer controlled for maximum throughput. Includes a Peltier cooled/heated autosampler with provision for 96 well plates that injects into the DLS system. The system is completely controlled through the serial port. The temperature is displayed on the front panel but can be set and monitored in the software. The automated sample preparation system has access to larger volume containers allowing for automated step titration, serial dilutions, and kinetic studies.



*Now you can automatically Determine Size Distributions for 100's of Nanoparticle Candidates per day*

### New ALS4000 Automated Expert DLS System

Employs the Automated Sample preparative system used in the ALS3000, but directly injects into the Expert DLS system. The system can automatically collect correlation functions from three detectors at angles from 5 to 355 degrees in 5-degree increments, allowing for the monitoring of the nucleation of aggregates in the presence of larger particles. Fully characterizes nanoparticles whilst also being able to measure slow diffusion characteristics in and out of a sophisticated matrix.



### New ALS4000 Automated Goniometer

There is no need for an optical table for this fully automated goniometer, which has the light scattered at angles between 5 to 355 degrees in 5-degree increments. This generates multidimensional profiles of the scattering properties of polymer, particles and proteins to determine physical interaction and polymer, and aggregation kinetics. The system is automated using the Automated Sample preparative system used in the ALS3000.

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