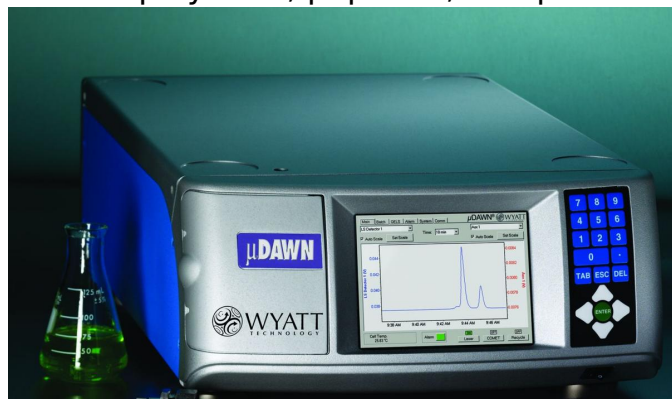


Light Scattering Detector

Nikita Ernst, Associate Editor

Wyatt Technology Corporation will be launching the μ DAWN at Pittcon 2014, this week. The μ DAWN is a multi-angle light scattering (MALS) detector that can be coupled to any UHPLC system in order to determine absolute molecular weights and sizes of polymers, peptides, and proteins or other biopolymers directly,



without resorting to column calibration or reference standards. In order to accommodate the narrow peaks produced by UHPLC separation, the conventional light scattering flow cell volume is reduced from 63 μ L to fewer than 10 μ L. More importantly, the band broadening between the μ DAWN MALS and Optilab UT-rEX detectors was brought to under 7 μ L, while the band broadening between the UHPLC's UV detector and the μ DAWN detector is a mere 2 μ L. As a consequence of the reduced cell volume and interdetector band broadening, a μ DAWN/UT-rEX system can accurately analyze the molar mass and size of UHPLC peaks without loss of resolution.

Wyatt Technology

www.wyatt.com [1]

Booth #3554 at Pittcon 2014

Source URL (retrieved on 01/26/2015 - 11:07pm):

<http://www.chem.info/product-releases/2014/03/light-scattering-detector>

Links:

[1] <http://eu.vocuspr.com/Tracking.aspx?Data=HHL%3d8%2b60%3c5-%3eLCE18043%3c6-GLCE270%3a&RE=MC&RI=3613825&Preview=False&DistributionActionID=44456&Action=Follow+Link>