

PRESS ANNOUNCEMENT

Differential Refractometer improves light scattering molecular weight determination.

TESTA Analytical

reports that its **Differential Refractometer** improves the precision of dn/dc determination using **light scattering techniques**. An accurate **dn/dc value** is essential in molecular weight determination of biopolymers and polymers by light scattering.

Backed by decades of experience of Gel Permeation Chromatography (GPC)

and Light Scattering techniques, Testa Analytical has created a differential refractometer accessory for light scattering instruments that deliver exceptional performance and is easy-to-use.

The Differential Refractometer

is a flexible device which allows fast determination of the specific refractive index increment (dn/dc) of dissolved samples with extremely high accuracy and in just a few minutes. Without any limitations in terms of solvent and with a wide range of measurement temperatures, it is a true workhorse and a valuable addition to any Light Scattering lab. Beneficially, the system also offers different wavelength options enabling precise matching of your light scattering instrument laser operating wavelength, thereby ensuring reliable and reproducible results every time.

The Differential Refractometer

operates via a PC using intuitive Windows™ based software which additionally offers the possibility to determine the accurate Concentration of samples with known dn/dc .

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The unique design of the instrument

furthermore allows total recovery of the measured samples without any dilution or pollution.

Samples used for dn/dc can then directly be used for Light Scattering, reducing therefore the time needed for sample preparation and avoiding errors.

For further information

please visit <https://testa-analytical.com/differential-refractometer.html> or contact Testa Analytical on +49-30-864-24076 or info@testa-analytical.com.

TESTA Analytical

offers a range of high-performance GPC/SEC detectors, GPC/SEC pumps, accessories, and software products customizable to meet your exact needs. Drawing upon over 30 years' experience, TESTA Analytical Solutions has established itself as a respected creator and supplier of top quality, innovative, high performance chromatography instrument kits, and detectors with end users and OEM clients around the world.

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Illustrative image:



Caption: Differential Refractometer improves MW determination by light scattering