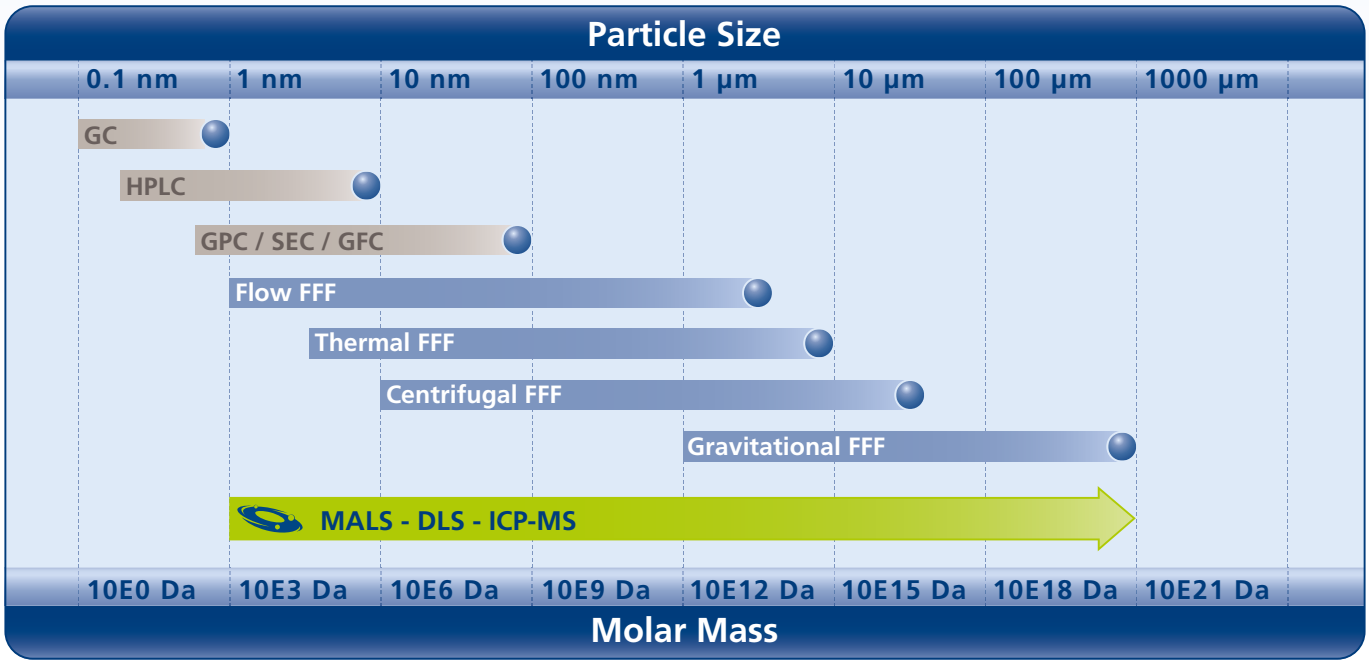
Advantages

Field-Flow Fractionation



- Fast & High resolution separation of macromolecules & particles
- Broad separation range from 1 nm to 100 µm / 1 kDa to 100 MkDa
- Simultaneous separation of proteins, polymers and particles
- No stationary phase - No shear forces - Gentle conditions
- Direct on-channel sample preparation of diluted sample
- Size based separation in an open flow channel
- Collection of size fractions for further analysis
- Online coupling with DLS, MALS, UV, RI, MS, etc.

Postnova Product Portfolio

Tel: +49 8191 985688 0, Fax: +49 8191 985688 99

Analytical Supplies: GC – CE – LC – SEC – FFF – UVis – FLD – ICP-MS – AAS

Leading Quality Brand Chromatography Consumables and Analytical Supplies from a Single Source

- ☐ **Agilent:** Consumables and Columns for GC, CE, LC, SEC, ICP-MS and Sample Prep
- ☐ **Upchurch:** Tubings, Fittings, Unions and Valves for CE, LC, SEC, FFF and Micro Fluidics
- ☐ **Hamilton:** Micro Syringes for GC, LC and FFF; Lab Sensors and Polymeric LC Columns
- ☐ **Rheodyne:** CE, LC, SEC and FFF Sample Injectors, High Pressure Switching Valves and Fittings
- ☐ **Millipore:** Analytical Sample Prep, Syringe Filters and Water Purification for CE, LC, SEC, FFF
- ☐ **Ismatec:** Peristaltic Pumps and Tubings for FFF, Laboratory, Biotech and Chemical Technology
- ☐ **Lamps:** Deuterium, Tungsten, Xenon, Hollow Cathode Lamps for CE, LC, FFF, UVis, FLD, AAS
- ☐ **Fused Silica:** Various Sizes of Fused Silica Capillaries for Nano/Micro Fluidics and GC, CE, LC
- ☐ **Vials:** Vials for GC, LC and FFF
- ☐ **Particles:** Various Sizes of Nano and Micro Particle Standards with different Surfaces and Materials
- ☐ **Polymers:** Various Molar Mass Polymer Standards with different Polydispersities and Materials

Analytical Systems: Flow FFF – Centri FFF – Thermo FFF – Grav FFF – MALS – DLS – ICP-MS

Field-Flow Fractionation (FFF) for advanced Separation, Characterization, Speciation and Fractionation of Proteins, Viruses, Liposomes, Biomacromolecules, Synthetic Polymers, Nano and Micro Particles

- ☐ **AF2000:** Asymmetric Flow Field-Flow Fractionation for Protein, Polymer, Particle Separation
- ☐ **CF2000:** Centrifugal Field-Flow Fractionation for Particle Separation
- ☐ **TF2000:** Thermal Field-Flow Fractionation for Polymer Separation
- ☐ **SF2000:** Gravitational Split Field-Flow Fractionation for Micro Particle Fractionation

Multi-Angle Light Scattering (MALS), Dynamic Light Scattering (DLS) and Inductively-Coupled-Plasma Mass-Spectrometry (ICP-MS) for Molar Mass and Size Determination of Proteins, Viruses, Liposomes, Bio/Polymers and Nano and Micro Particles

- ☐ **PN3100:** Refractive Index Detectors optimized for FFF with High Sensitivity and Baseline Stability
- ☐ **PN3200:** Ultraviolet Absorbance Detectors for FFF with Variable Wavelengths
- ☐ **PN3400:** Fluorescence Detectors for FFF with Ultra-High Sensitivity and Spectra
- ☐ **PN3500:** Evaporative Light Scattering Detectors for FFF
- ☐ **PN3600:** Multi Angle Light Scattering for Molar Mass and Gyration Radius (Rg) Determination
- ☐ **PN3700:** Dynamic Light Scattering Zetasizer Nano for Hydrodynamic Radius (Rh) Determination
- ☐ **PN3900:** Inductively-Coupled-Plasma Mass-Spectrometry (ICP-MS) for FFF

Analytical Services: Flow FFF – Centri FFF – Thermo FFF – Grav FFF – MALS – DLS – ICP-MS

Application Method Development using Flow, Centrifugal, Thermal and Grav Field-Flow Fractionation hyphenated online to RI, UV, FLD, MALS, DLS and ICP-MS for Molar Mass and Size Characterization of Biomacromolecules, Polymers, Proteins and Particles.

Sample Analysis with Flow, Centrifugal, Thermal and Grav Field-Flow Fractionation hyphenated online to RI, UV, FLD, MALS, DLS and ICP-MS for Biomacromolecules, Polymers, Proteins and Particles.

Trainings, Workshops and Seminars about Flow, Centrifugal, Thermal and Grav Field-Flow Fractionation hyphenated online to RI, UV, FLD, MALS, DLS and ICP-MS for Biopolymers, Proteins and Particles.

☐ Please send me information material ☐ Please send a quotation ☐ I want to receive the Postnova E-Newsletter

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Company:		Department:	
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E-Mail:		Web:	
Date:		Signature:	

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