

GEL

FREE

pl-Trap™

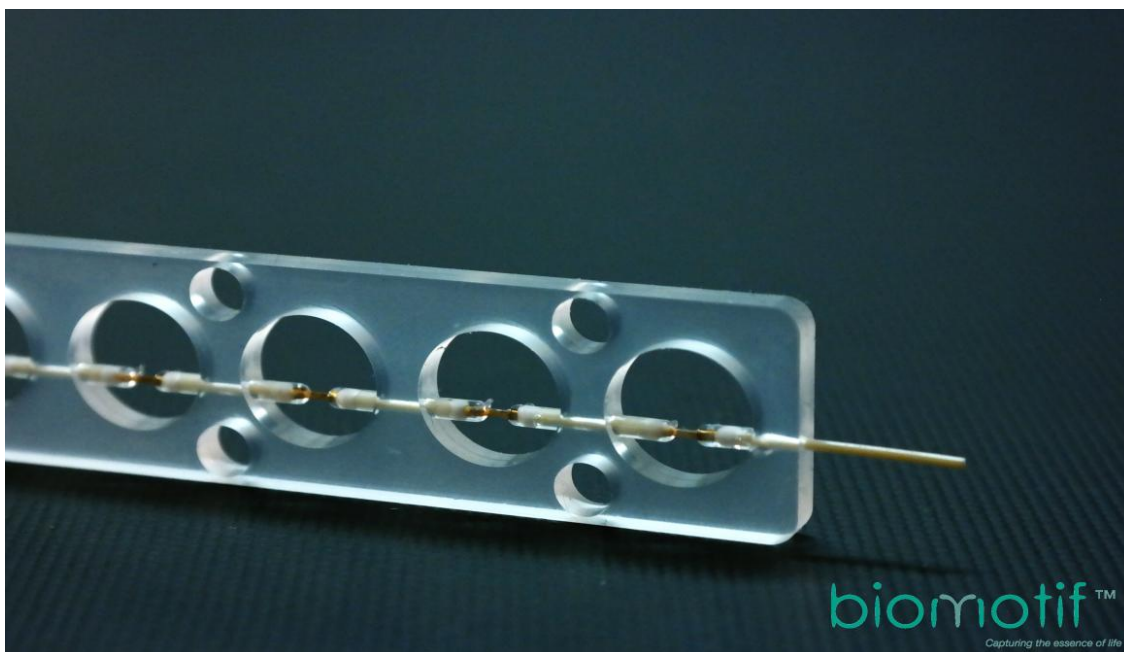
- A revolutionary new instrument for gel-free pl-fractionation of peptide and protein mixtures
 - Fast (<1 h) separation in ESI-friendly solution
 - Easy fraction collection, up to 30 fractions
 - On-line clean-up of sample
 - Fractionation of raw samples, e.g., intact blood plasma or serum
 - Couple on-line to any API-Mass Spectrometer
- Orthogonal dimension to RP-LC-MS in Deep-Proteomics
 - Large capacity (up to 100 µg) for enrichment of low abundance molecules
 - Minimal sample losses
 - Rapid isolation of a defined pl region
 - Accurate pl determination of your molecule
 - A push-button operation



*pl-Cell*TM

The heart of our new device, the *pl-Cell*TM, is based on proprietary microfluidic technology from in-house development. The “electrical column” is easy to use and will be useful to capture any specific charged molecule according to its isoelectric point.

We are looking for Scientific Collaboration partners with challenging problems for: Peptides, Proteins, Ab's, Complexes, Native molecules, DNA, RNA, Biosimilars, Pharmaceuticals or small molecules.



1. Chingin, K.; Astorga-Wells, J.; Pirmoradian Najafabadi, M.; Lavold, T.; Zubarev, R. A. *Separation of polypeptides by isoelectric point focusing in electrospray-friendly solution using multiple-junction capillary fractionator*, *Anal. Chem.* **2012**, *84*, 6856-6862.
2. Pirmoradian, M.; Zhang, B.; Chingin, K.; Astorga-Wells, J.; Zubarev, R. A. *Membrane-assisted isoelectric focusing device as a micro-preparative fractionator for two dimensional shotgun proteomics*, *Anal. Chem.*, **2014**, *86*, 5728-5732.
3. Pirmoradian, M.; Astorga-Wells, J.; Zubarev, R. A. *Multijunction Capillary Isoelectric Focusing Device Combined with Online Membrane-Assisted Buffer Exchanger Enables Isoelectric Point Fractionation of Intact Human Plasma Proteins for Biomarker Discovery*. *Anal Chem* **2015**, *87*, DOI: 10.1021/acs.analchem.5b03344.