



EMASS-II

CE-MS Ion Source



Global Co-Marketing with
Agilent Technologies



About CMP Scientific Corp

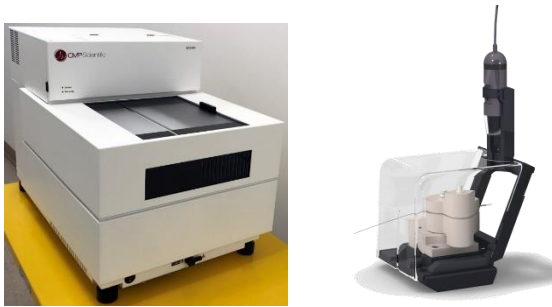
- CMP Scientific specializes in biological mass spectrometry instrumentation, technology development, and applications.
- It is founded on a special technology for the hyphenation of capillary electrophoresis and mass spectrometry (CE-MS)
- Core products:
 - EMASS-II CE-MS ion source
 - ECE-001 capillary electrophoresis system
 - EMAST-A CE-ESI-TOF System
 - Separation capillaries
 - Electrospray emitters
 - Reagent kits for a variety of applications



CE-MS instrumentation, consumables, reagents, sample analysis services

Instruments

- CE and CE-MS ion source



- CE-MS system



Consumables and reagents

- Separation capillaries



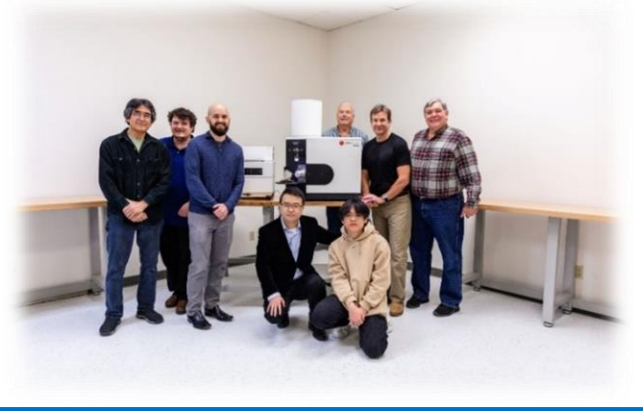
- Electrospray emitters



- Reagent kits



Sample analysis and ODM/OEM services



Compatible with all mainstream mass specs

- Compatible with all mainstream mass specs



ECE-001 CE



EMASS-II

CE-MS ion source



- Fully integrated CE-MS system



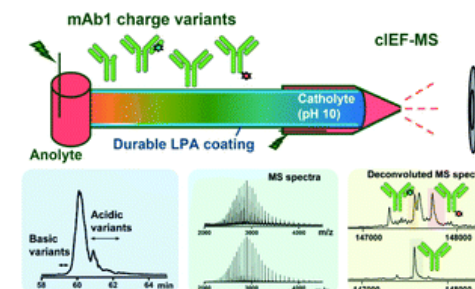
CE-TOF system

Numerous Publications

High-Resolution Characterization of mAb Charge Variants

Tian Xu, Linjie Han, Alayna M. George Thompson and Liangliang Sun

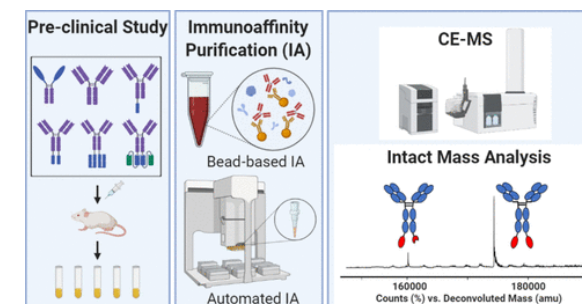
<https://pubs.rsc.org/en/content/articlelanding/2022/AY/D1AY01556G>



Biotransformation Study of Biotherapeutics

Mei Han, Yunan Wang, Kevin Cook, Noor Bala, Marcus Soto, Dan A. Rock, Josh T. Pearson, and Brooke M. Rock

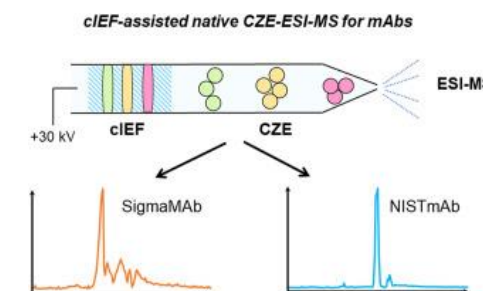
<https://pubs.acs.org/doi/10.1021/acs.analchem.1c00149>



Native CZE-MS for Characterization of mAb

Xiaojing Shen, Zhijie Liang, Tian Xu, Zhichang Yang, Qianjie Wang, Daoyang Chen, Lucynda Pham, Wenjun Du, and Liangliang Sun

<https://www.sciencedirect.com/science/article/abs/pii/S138738062100021X>



CR3520 CIEF-MS

CHARGE VARIANTS ANALYSIS



A reagent kit developed for the mass spectrometry identification of monoclonal antibody charge variants using CMP Scientific's EMASS-II CE-MS ion source

CR3520 cIEF-MS reagent kit for online charge variants identification

- Enables fully automated online charge variants analysis
- Excellent resolution and assay robustness have been demonstrated over 100 repeat injections of cIEF-MS analyses

CE-TOF System

For metabolite profiling of
CHO cells

- Fully integrated capillary electrophoresis - mass spectrometry system
- **Metabolite profiling of recombinant CHO cells**



