



SCIEX at CE Pharm 2023

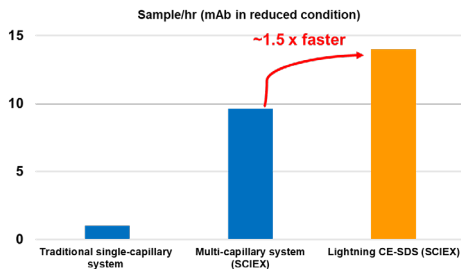
Susan Darling | Senior Director, CE & CE-MS Product Management

19 September 2022

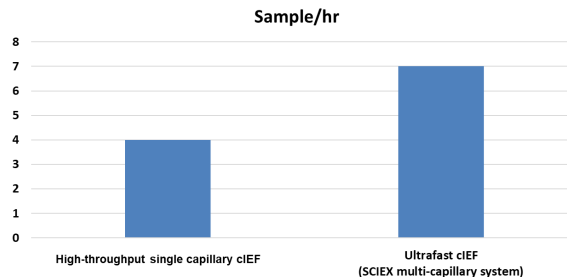
Lightning CE-SDS and ultrafast cIEF

WITH BIOPHASE 8800 SYSTEM & BIOPHASE ANALYSIS KITS

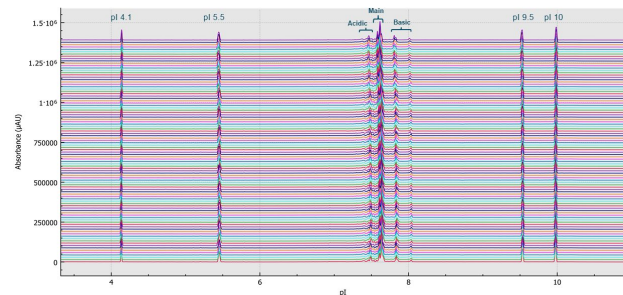
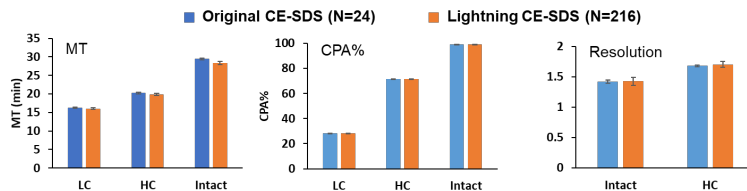
Lightning CE-SDS is 1.5x faster than existing workflows



Ultrafast cIEF requires less than 8.5 minutes per sample



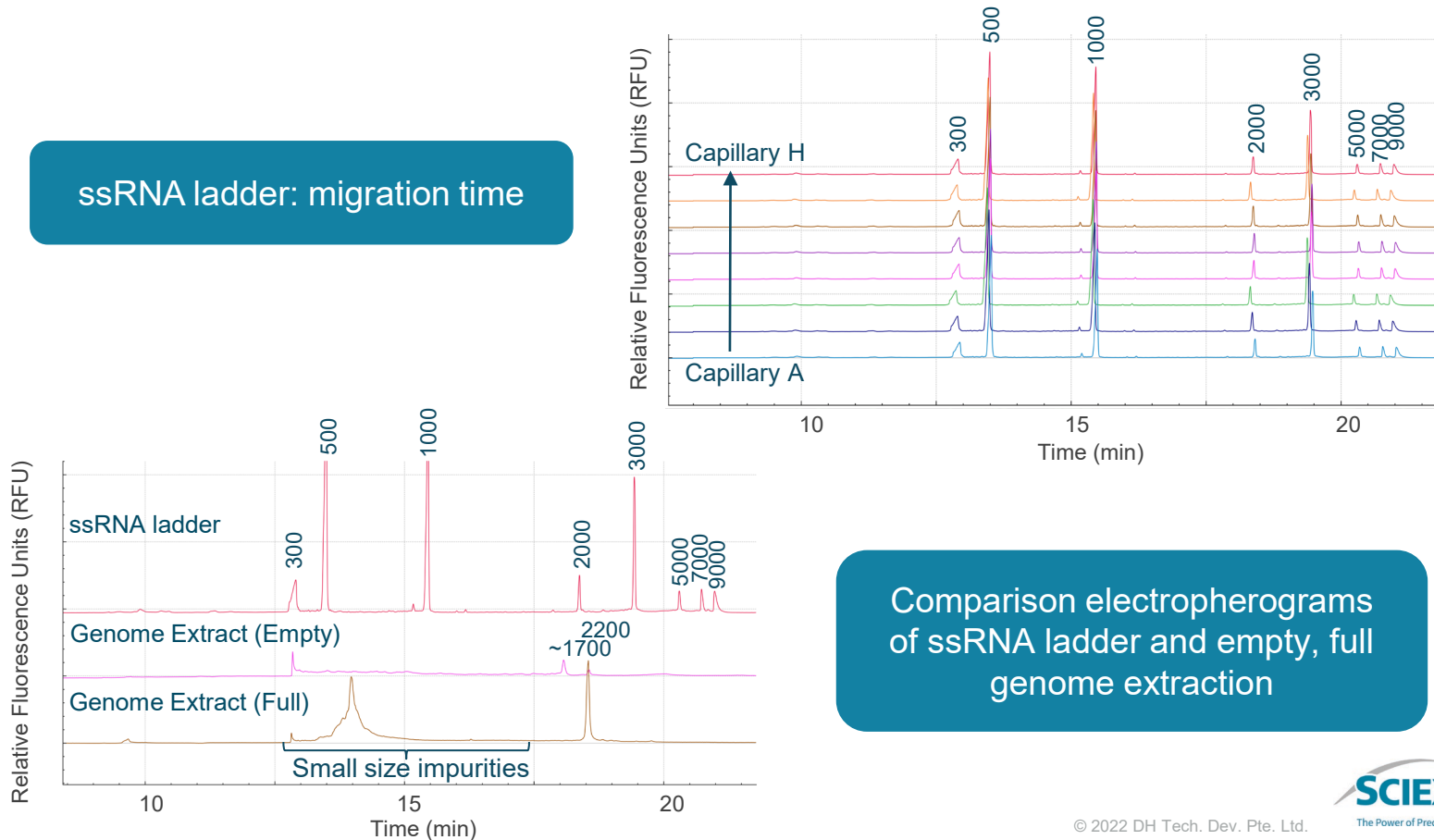
Both methods maintain data quality and reproducibility



Genome integrity analysis of AAVs

WITH BIOPHASE 8800 SYSTEM & RNA 9000 PURITY & INTEGRITY KIT

ssRNA ladder: migration time

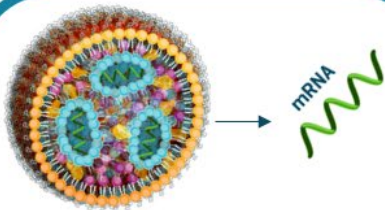


Comparison electropherograms of ssRNA ladder and empty, full genome extraction

mRNA LNP stability and purity workflow

WITH BIOPHASE 8800 SYSTEM & RNA 9000 PURITY & INTEGRITY KIT

Easy sample preparation



mRNA-LNP preparation

Stability testing workflow

1. Samples stored at: -80°C , -20°C , 4°C or 25°C for 0, 7 or 92 days
2. Sample oxidation

Sample pretreatment options

1. Water/heat (70°C for 5 minutes)
2. 0.3% Triton X-100 / heat (70°C for 5 minutes)

CGE-LIF analysis

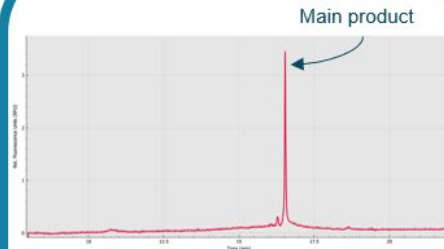


BioPhase 8800 system PA 800 Plus system



RNA 9000 Purity & Integrity kit

Automated result generation



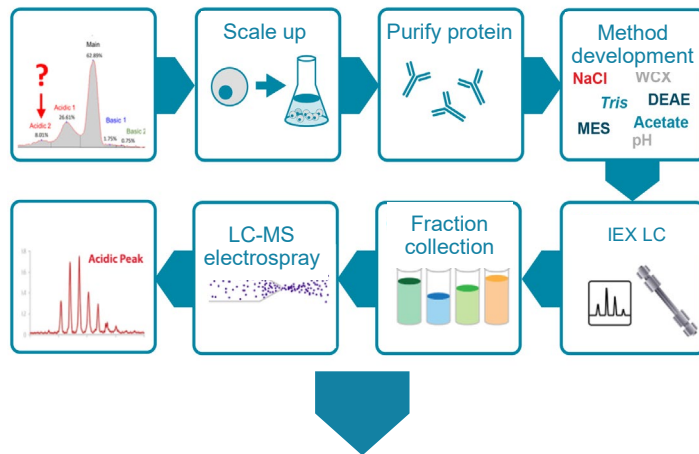
Evaluate mRNA CQAs

- Analyze mRNA identity, integrity and purity
- Quantitative, high-resolution RNA sizing workflow

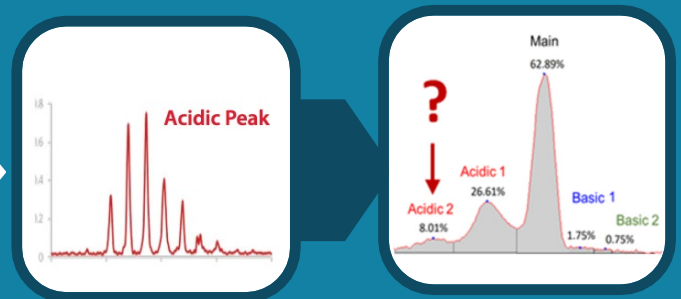
Charge variant peak ID with Intabio icIEF-MS system

from weeks per sample

to 30 minutes per sample*



followed by confirmatory cIEF analysis



charge variant separation by icIEF

coupled characterization by MS

Register today for sample analysis



ABOUT US



CAPILLARY ELECTROPHORESIS ENTHUSIASTS

