Maurice S.™ Datasheet

Meet Maurice S.

He simplifies your CE-SDS workflow by removing all the optimization guesswork — it's all done in his ready-to-go cartridges. So you can get purity data on your mAbs in as little as 5.5 minutes. The best part? Method development is a breeze. Get it done in a day — platform methods too!

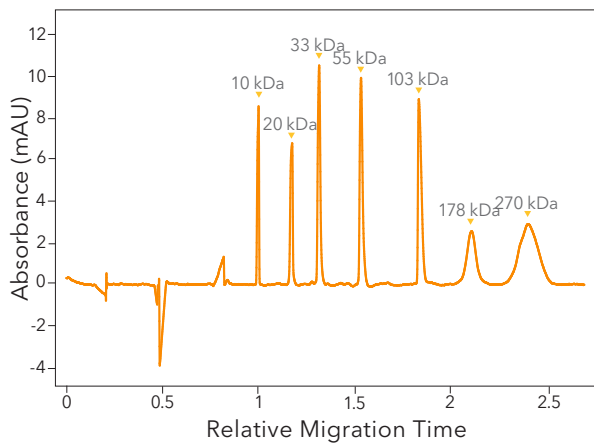## CE-SDS Method Development in a Day

IgG Purity and Heterogeneity

FIGURE 1. Maurice SDS-MW Standard with separation range from 10–270 kDa Standard was denatured for 5 minutes at 95 °C under reducing (ßME) conditions, then ran using default conditions and separated for 30 minutes. Data collected with CE-SDS PLUS system.

FIGURE 2. Just pop in one of the two ready-to-go CE-SDS cartridges (CE-SDS PLUS or Turbo CE-SDS), drop in your solutions, sample vials or a 96-well plate, and hit start — Maurice does the rest!

Bank On Your Data

Maurice gives you data that's reliable – across samples, users, instruments or labs. We're talking CVs under 2%. Run all your antibodies to get the purity data, heavy and light chain content and HC vs. NGHC composition you need. He's got the high resolution and wide molecular sizing range to handle it all and analyzes your data automatically to boot!
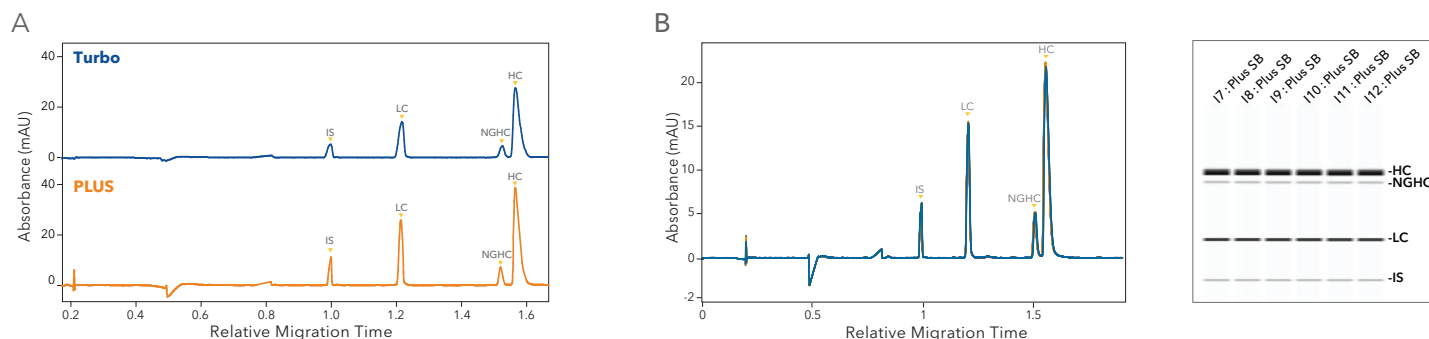
FIGURE 3. (A) Maurice IgG size standard (1 mg/mL) denatured for 10 minutes at 70 °C under reducing (ßME) or non-reducing (IAM) conditions. Reduced IgG was separated for 25 minutes, non-reduced IgG was separated for 35 minutes. (B) Two alternating replicates of IgG size standards at 1 mg/mL over 24 consecutive injections. Samples were spiked with Internal Standard, reduced and denatured, then separated for 25 minutes (data collected with CE-SDS PLUS system).

Specifications

Description	CE-SDS PLUS Specifications	Turbo CE-SDS Specifications
Minimum Sample Volume	50 µL	100 µL
Sample Delivery	Electrokinetic	Electrokinetic
Typical Separation Time	Reduced IgG: 25 minutes; Non-reduced IgG: 35 minutes	Reduced: 5.5 minutes; Non-reduced: 8 minutes
Detection Capability	UV Absorbance at 220 nm	UV Abs at 220 nm
Typical Voltage	Separation: 5750 V	Separation: 4200V
Sample Injections per Cartridge	100 guaranteed, 500 maximum, maximum 25 batches	100 guaranteed, maximum 25 batches
Maximum Sample Injections per Batch	48	96
pI/Size Range	10–270 kDa	10–270 kDa
pI/Sizing CV	≤2%	<2%
CV for Peaks >10% Composition	N/A	<10%
Relative Migration Time CV	<1% for reduced IgG	<5%
pI/Sizing Resolution	≥1.5 for NGHC/HC IgG Standard	≥ 1.0 for NGHC/HC IgG Standard)
Dynamic Range	2 logs	2 logs
Linearity	>0.995	> 0.995
Sensitivity (LOD)	0.3 µg/mL (value based on Internal Standard)	0.6 µg/mL (value based on Internal Standard)
Sample Tray Options	96-well plates or 48 vials	
Dimensions	44 cm H x 42 cm W x 61 cm D	
Weight	46 kg (100 lb)	

Maurice S.: part #090-001

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