

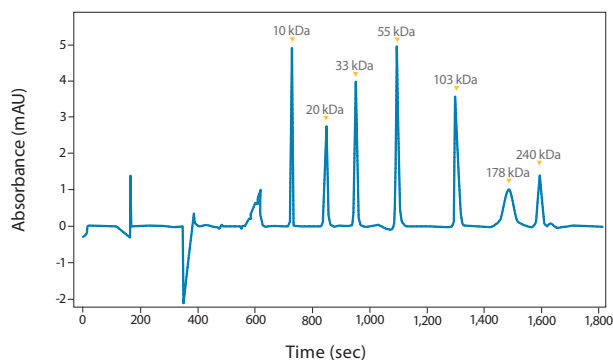
# CE-SDS Method Development in a Day.

## IgG Purity and Heterogeneity

### Meet Maurice S.™



He simplifies your CE-SDS workflow by removing all the optimization guesswork — it's all done in his ready-to-go cartridge. So you can get purity data on your mAbs in 35 minutes. The best part? Method development is a breeze. Get it done in a day — platform methods too!



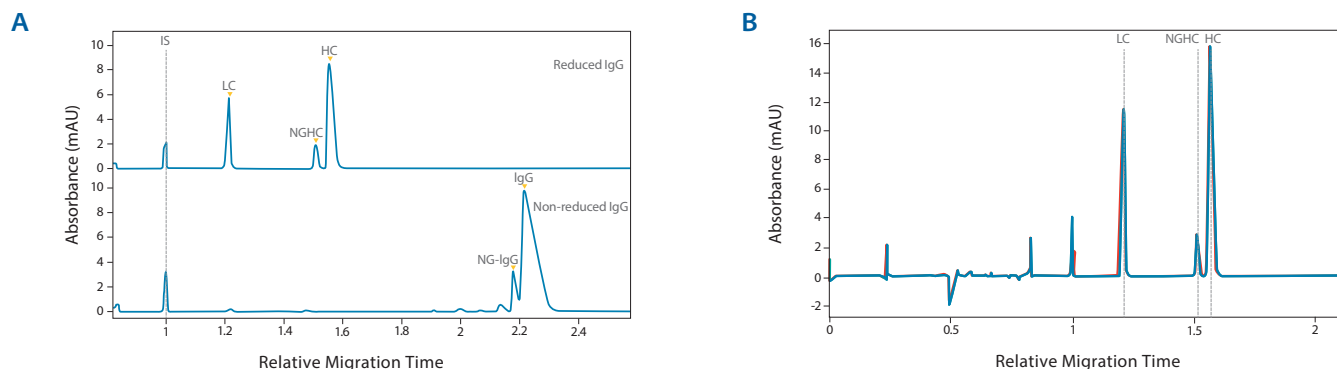
**FIGURE 1.** Maurice SDS-MW Standard with separation range from 10-240 kDa. Standard was denatured for 5 min at 95 °C under reducing ( $\beta$ ME) conditions, then ran using default conditions and separated for 30 min.



**FIGURE 2.** Just pop in a ready-to-go CE-SDS cartridge, 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 min at 70 °C under reducing ( $\beta$ ME) or non-reducing (IAM) conditions. Reduced IgG was separated for 25 min, non-reduced IgG was separated for 35 min. (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 min.

## SPECIFICATIONS

DESCRIPTION	CE-SDS SPECIFICATION
Minimum Sample Volume	50 $\mu$ L
Sample Delivery	Electrokinetic
Typical Separation Time	Reduced IgG: 25 min, Non-reduced IgG: 35 min
Detection Capability	UV Absorbance at 220 nm
Typical Voltage	Separation: 5750 V
Sample Injections per Cartridge	100 guaranteed, 200 maximum
Maximum Sample Injections per Batch	48
Size Range	10–270 kDa
Sizing CV	$\leq 2\%$
Relative Migration Time CV	$< 1\%$ for reduced IgG
Sizing Resolution	$\geq 1.5$ for NGHC/HC IgG Standard
Dynamic Range	2 logs
Linearity	$> 0.995$
Sensitivity (LOD)	0.3 $\mu$ g/mL (Value based on Internal Standard)
Sample Tray Options	96-well plates or 48 vials
Dimensions	44cm H x 42cm W x 61cm D
Weight	46 kg (100 lb)

**Maurice S:** part #090-001