

# Maurice Turbo CE-SDS™ Cartridge Datasheet



CE-SDS on Maurice and Maurice S. is now 80% faster with the new Turbo CE-SDS cartridge! Get data on reduced samples in 5.5 minutes, and non-reduced samples in 8 minutes. Get up to 2,400 sample injections with Turbo CE-SDS, getting the speed and throughput you need to make decisions faster, especially for your upstream processes.

## Have Confidence in Your Data

The Turbo CE-SDS cartridge gives you the reproducibility and resolution you need to make decisions you can be confident in. Analyze antibodies and other protein therapeutics across a wide molecular size range.

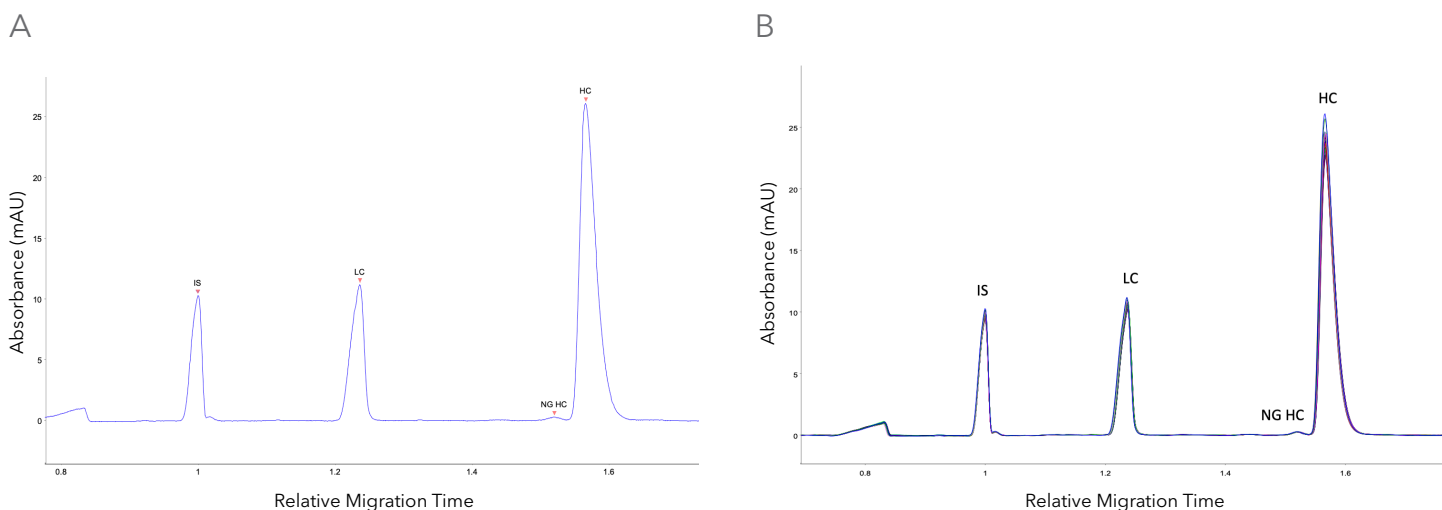


FIGURE 1. Analysis of the USP Standard (PN 1445550, lot F00760) under reduced conditions with Turbo CE-SDS. (A) Reduced USP Standard was denatured for 10 minutes at 75°C and separated for 5.5 minutes using Turbo CE-SDS. Main peaks identified include the heavy chain (HC), non-glycosylated heavy chain (NG), and light chain (LC) and Internal Standard (IS). (B) Electropherograms for 96 injections of the USP Standard run under reduced conditions are overlaid, demonstrating excellent reproducibility.

## Specifications

Description	Specification
Minimum Sample Volume	100 $\mu$ L
Sample Delivery	Electrokinetic
Typical Separation Time	Reduced: 5.5 minutes; Non-reduced: 8 minutes
Detection Capability	UV Abs at 220 nm
Typical Voltage	Separation: 4,200V
Sample Injections per Cartridge	100 guaranteed, maximum 25 batches
Maximum Sample Injections per Batch	96
Size Range	10-270 kDa
Sizing CV	<2%
% Area CV	<10%
Relative Migration Time CV	<5%
Sizing Resolution	$\geq 1.0$ for NGHC/HC IgG Standard)
Dynamic Range	2 logs
Linearity	> 0.995
Sensitivity (LOD)	0.6 $\mu$ g/mL (value based on internal standard)

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