

## Analysis of NIST mAb Reference Material by Parallel CE-SDS

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### Summary

Monoclonal antibody drug products are complex biomolecules that can contain undesirable species such as antibody fragments and non-glycosylated species leading to size heterogeneity. Characterization of size heterogeneity and impurities is necessary to determine the purity of a mAb drug product or if a given candidate or purification is suitable for downstream applications.

Agilent has developed a 12-channel, parallel Capillary Electrophoresis-SDS (CE-SDS) instrument and reagents. To demonstrate the capabilities of the ProteoAnalyzer, the NIST mAb was characterized under both reduced and non-reduced conditions and the results were compared to the NIST data sheet.