Comparison of Traditional 2-AB Fluorescence LC-MS/MS and Automated LC-MS for the Comparative Glycan Analysis of Monoclonal Antibodies.

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Abstract: Monoclonal antibody therapeutics are a heterogeneous mixture of glycoforms. Multiple methods exist for defining the glycan profile of monoclonal antibodies but none are yet acceptable as an industry standard. This study compares two methods, Automated LC-MS and Traditional 2-AB Fluorescence LC-MS/MS, which could serve as a potential screening test for understanding process, comparability, similarity, and possibly detecting counterfeit agents.

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