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(54) **Title**: METHODS OF USING ION EXCHANGE CHROMATOGRAPY TO CONTROL LEVELS OF HIGH MANNOSE GLYCOFORMS

(57) **Abstract**: Provided are methods of using ion exchange based chromatography to control the levels of high mannose glycoforms in a glycoprotein sample, such as an antibody sample. The high mannose glycoforms can be removed from the sample or isolated and enriched. Also provided is a composition comprising a glycoprotein, such as an antibody, from which the high mannose glycoforms have been reduced or removed or isolated or enriched using an ion exchange based chromatography step.