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(54) Title: METHOD OF PREPARING CHROMATOGRAPHIC MATERIALS

(57) Abstract: A sorbent material comprises a plurality of cross linked monovinyl monomers defining a matrix, in a ratio of the volume of hydrophobic monovinyl monomers to hydrophilic monovinyl monomers of approximately 5:95 to approximately 40:60, the matrix being bufferable to pH ranges from approximately 5 to approximately 9, and, of particle sizes between approximately 10 micrometers to approximately 300 micrometers. The sorbent is used in chromatographic columns to promote binding of Immunoglobulin G (IgG) from blood plasma, for its isolation, such that the isolated IgG is then extracted from the sorbent. The sorbent is also used in chromatographic columns to promote binding of Immunoglobulin G (IgG) monoclonal antibodies from transgenic milk, for their isolation, such that the isolated IgG monoclonal antibodies are then extracted from the sorbent.

