Claims

1. A method for producing an antibody of the IgG class in monomeric form comprising the following steps:

   - applying a first solution that optionally comprises poly (ethylene glycol) and sorbitol to a cation exchange chromatographic material and thereby equilibrating the material,

   - applying the solution comprising the antibody of the IgG class to the equilibrated chromatography material and thereby loading the chromatography material,

   - producing the antibody of the IgG class in monomeric form by applying a solution to the chromatographic material comprising poly (ethylene glycol) and sorbitol and thereby desorbing/eluting the antibody of the IgG class in monomeric form from the chromatographic material,

   whereby the poly (ethylene glycol) ~~polymer~~ has a concentration of ~~about~~ 10 % by weight and the sorbitol has a concentration of from 5 % to 20 % by weight.

2. A method for producing an antibody of the IgG class preparation with reduced host cell protein content comprising the following steps:

   - applying a first solution that optionally comprises poly (ethylene glycol) and sorbitol to a cation exchange chromatographic material and thereby equilibrating the material,

   - applying the solution comprising the antibody of the IgG class to the equilibrated chromatography material and thereby loading the chromatography material,

   - producing the antibody of the IgG class in monomeric form by applying a solution to the chromatographic material comprising poly

(ethylene glycol) and sorbitol and thereby desorbing/eluting the antibody of the IgG class in monomeric form from the chromatographic material,

whereby the poly (ethylene glycol) has a concentration of ~~about~~ 10 % by weight and the sorbitol has a concentration of from 5 % to 20 % by weight.

3. The method according to any one of the preceding claims, characterized in that the poly (ethylene glycol) has a molecular weight of ~~about~~ 3,500 Da +/- 20 %.

4. The method according to any one of the preceding claims, characterized in that the monomeric antibody has a molecular weight of from 100 kDa to 200 kDa.