Claims

1. A method for increasing the yield of an antibody in the flow through of ion exchange chromatography during antibody purification comprising the steps of:

a. providing a sample comprising an antibody;

b. adjusting the conductivity of the sample;

c. processing the adjusted sample by ion exchange chromatography in flow-through mode and

d. collecting the flow-through comprising the antibody,

wherein the conductivity of the sample in step b) is adjusted with Tris to a conductivity between 10 and 50 mS/cm and wherein the pH after adjusting the conductivity is in the range of pH 6.5 to 7.5.

2. The method according to claim 1, wherein the sample comprising an antibody is an affinity chromatography eluate.

3. The method according claim 2, wherein the affinity chromatography eluate is a Protein A chromatography eluate with a pH of 3 to 4.

4. The method according to claim 3, wherein the pH of 3 to 4 of the sample is adjusted to a pH of about 5.2 to about 5.6, preferably to a pH of 5.5.

5. The method according to claim any of the preceding claims, wherein the conductivity is adjusted to the range of 13 to 30 mS/cm.

6. The method according to claim any of the preceding claims, wherein the conductivity is adjusted to 15 mS/cm.

7. The method according to any of the preceding claims, wherein the ion exchange chromatography is multimodal anion exchange chromatography.

8. The method according to any of the preceding claims, wherein the monoclonal antibody to be purified is a monoclonal antibody.

9. The method according to claim 8, wherein the monoclonal antibody to be purified is an anti-IL17c antibody.

10. The method according to claim 9, wherein the monoclonal anti-IL17C antibody to be purified comprises a VH of SEQ ID NO: 8 and a VL of SEQ ID NO: 7.

11. The method according to claim 10, wherein the monoclonal anti-IL17C antibody to be purified consists of a heavy chain of SEQ ID NO:10 and a light chain of SEQ ID NO: 9.

12. The method according to any of the preceding claims, wherein the yield of the purified antibody in the flow-through is more than 75%.

13. The method according to any of the preceding claims, wherein the conductivity of the sample in step b) is adjusted with Tris in the absence of NaCl.