CLAIMS:

1. A process for regenerating a reverse-phase or a silica based chromatography material, the process comprising steps of:

a. contacting the chromatography material with a regeneration solution comprising sodium hypochlorite and acetonitrile; wherein the regeneration solution has a pH of 11 or more;

b. neutralizing the regenerated chromatography material with a neutralization solution comprising at least one organic acid and at least one organic solvent; and

c. washing the neutralized chromatography material with a wash solution comprising purified water and an organic solvent.

2. The process according to claim 1,
wherein contacting the chromatography material with the regeneration solution is carried out inside a chromatography column.
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3. The process according to any one of the preceding claims, comprising contacting the chromatography material with the regeneration solution for a period in the range from 10 to 60 minutes.

4. The process according to any one of the preceding claims, comprising contacting the chromatography material with the regeneration solution for a period of 30 minutes.

5. The process according to any one of the preceding claims, wherein contacting the chromatography material with a regeneration solution comprises allowing one or more material volume of regeneration solution to pass through or over the chromatography material, and/or

wherein contacting the chromatography material with said regeneration solution is performed at a temperature in the range of 20° C to 25° C, and/or
wherein said chromatographic material is contacted with said regeneration solution until the pressure on the chromatographic column at a flow rate of 220 cm/hr decreases by at least 10%.

6. The process according to any one of the preceding claims, wherein the chromatography material is a resin, and/or
wherein the chromatography material is a high pressure liquid chromatography (HPLC) material.

7. The process according to any one of the preceding claims, wherein the chromatography material comprises substituted silica selected from at least one of C-4 silica, C-8 silica, C-12 silica and C-18 silica.

8. The process according to any one of the preceding claims, wherein neutralizing the regenerated chromatography material with a neutralization solution comprises allowing one or more material volumes of neutralization solution to pass over and/or through the chromatography material, and/or
wherein the neutralization solution, with which the chromatography material is contacted, has a pH of 5 or less.

9. The process according to any one of the preceding claims, wherein the organic solvent in the regeneration solution and/or comprised in the wash solution is acetonitrile.

10. The process according to any one of the preceding claims, wherein the organic acid in the neutralization solution has a pKa value in the range from 2.0 to 5.0 and/or

wherein the organic acid in the neutralization solution is acetic acid and/or wherein the organic solvent comprised in the neutralization solution is acetonitrile.

11. The process according to any one of the preceding claims, wherein regenerating the chromatographic resin is carried out on a chromatography material after it has been used for the purification of a therapeutic polypeptide selected from the group consisting of human insulin, analogues and derivatives.

12. The process according to any one of the preceding claims, wherein the regeneration solution comprising sodium hypochlorite and acetonitrile, having a pH of 11 or more, for use in cleaning a reverse-phase or a silica based chromatography material.