

CLAIMS

What is claimed is:

1. A method of purifying an Fc region containing target protein from one or more impurities in a sample, the method comprising the steps of:
 - (a) contacting the sample with an affinity chromatography media;
 - (b) eluting the Fc region containing target protein from the affinity media;
 - (c) contacting the eluate with a cation exchange chromatography media;
 - (d) contacting the cation exchange chromatography media with a buffer having a pH lower than 4.0 for a period time suitable for viral inactivation, wherein the buffer conductivity is 5 to 50 mS;
 - (e) eluting the Fc region containing target protein from the cation exchange chromatography media;
 - (f) contacting the eluate with an anion exchange chromatography media; and
 - (g) recovering the Fc region containing target protein,wherein the method eliminates the need for a holding tank between steps (b) and (c) and steps (e) and (f).
2. A method of purifying an Fc region containing target protein from one or more impurities in a sample, the method comprising the steps ~~of~~ of:
 - (a) contacting the sample with an affinity chromatography media;
 - (b) eluting the Fc region containing target protein from the affinity media;
 - (c) contacting the eluate with a cation exchange chromatography media;
 - (d) contacting the cation exchange chromatography media with a buffer having a pH lower than 4.0 for a period time suitable for viral inactivation, wherein the buffer conductivity is 5 to 50 mS;
 - (e) eluting the Fc region containing target protein from the cation exchange chromatography media;