ABSTRACT

A METHOD OF PURIFYING THERAPEUTIC PROTEINS

The present invention relates generally to a method of reducing the level of at least one protein selected from the group consisting of plasminogen, tissue plasminogen activator and other protease(s) in a solution comprising at least one protein selected from the group consisting of fibrinogen, Factor VIII and von Willebrand factor (VWF), the method comprising:

(i) passing a feedstock comprising at least one protein selected from the group consisting of fibrinogen, Factor VIII and VWF through a hydrophobic charge-induction chromatographic resin under conditions selected such that at least one protein selected from the group consisting of plasminogen, tissue plasminogen activator and other protease(s) present in the feedstock is bound to the resin; and

(ii) recovering a solution comprising the at least one protein selected from the group consisting of fibrinogen, Factor VIII and VWF which passes through the resin, wherein the concentration of the at least one protein selected from the group consisting of plasminogen, tissue plasminogen activator and other protease(s) in the solution is reduced by at least 50% compared to the feedstock.

Also provided are solutions and pharmaceutical formulations comprising the fibrinogen and/or Factor VIII and/or VWF recovered by such methods, and uses thereof.

Figure for publication: None