Abstract

Method of Making Fibrinogen Particles Suited for Intravenous Injections

A method for producing synthetic protein particles, which are particularly used to significantly reduce a patient's blood loss during surgical and medical treatments, and which are used to help make a quick recovery from such surgical and medical treatments. The present invention relates to a method for making fibrinogen particles suited for intravenous injections. The method of making protein particles suited for intravenous injections comprises: a. dissolving protein powders in a buffer of suitable osmolarity; b. adding a surfactant selected from a group consisting of sodium tetradecyl sulfate, Tween-80, and TritonX-151 into said protein solution; c. adding a cross-linker solution including a covalent small molecule such as glutaraldehyde to said mixture of protein and surfactant; and d. adding an alcohol to said mixture of protein, surfactant, and cross-linker solution.



