

METHOD FOR PREPARING HIGH-PURITY AND HIGH-STABILITY PROTEIN

ABSTRACT

5 The present invention relates to a method for obtaining high-purity and high-stability recombinant human albumin by adding medium- and long-chain fatty acid ligands and removing a protein having charge heterogeneity by means of anion or/and cation chromatography. The present invention is characterized in that a mixed solution is added to a sample collection solution, the mixed solution is a mixed solution of a fatty acid mixture and poloxamer; the molar ratio of
10 oleic acid to myristic acid to sodium palmitate to sodium stearate to recombinant human albumin is 0.3:0.3:0.3:0.5:1; and truncated albumin and mismatched or modified albumin in recombinant albumin can be effectively removed by means of sequential use of ion exchange chromatography, so that a high-purity and high-stability human albumin sample is obtained.

15 FIG. 1