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(54) Title: MIXED MULTIFUNCTIONAL METAL AFFINITY SURFACES FOR REDUCING AGGREGATE CONTENT IN PROTEIN PREPARATIONS FIELD

(57) Abstract: Compositions for reducing the aggregate content of a protein preparation include a first substrate having a first surface-bound ligand possessing a metal affinity functionality and a second surface-bound ligand optionally provided on a second substrate and having an aggregate charge opposite to that of the metal affinity functionality of the first substrate, wherein the first surface-bound ligand and the second surface-bound ligand are positioned such that the protein preparation may contact both the first surface-bound ligand and the second surface-bound ligand simultaneously.



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