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Separation of Proteins by Electrophoretic Affinity Chromatography

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摘要 A new kind of electrophoretic affinity chromatography (EAC) for bioseparation was proposed,Separation by EAC was conducted in a multicompartment electrolyzer in which the affinity gel media were packed in one of the central compartments.The presence of an electric field accelerated the migration of proteins inside the gel matrix during adsorption and descrption processes,This led to the increase of the overall speed of separation,The present study was focused on the effect of the strength of the electric field on adsorption and desorption processes.

关键词 生物分离 蛋白质 电泳亲合色谱法 EAC 多组分电解剂 吸附 解吸附

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Key words affinity chromatography; electrophoresis; electrophoretic affinity chromatography; human serum albumin; Cibacron Blue F3G-A

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