

RESEARCH NOTES

利用固定化L-天冬酰胺酶进行血液净化治疗白血病的数学模型研究

金浩^a, 方波^a, 江体乾^a, 王铎林^b, 周仕江^b

^a Chemical Engineering College, East China University of Science and Technology, Shanghai 200237, China

^b Clinic for East China University of Science and Technology, Shanghai 200237, China

收稿日期 修回日期 网络版发布日期 接受日期

摘要 Plasma was purified in an immobilized L-asparaginase column. The predicted results are in good agreement with experimental data. It is indicated that the mathematical model is suitable for the mass transfer and reaction of blood purification.

关键词 [bioseparation](#) [blood purification](#) [immobilized enzyme](#) [L-asparaginase](#)

分类号

DOI:

Mathematical Simulation of Blood Purification for Leukemia by Immobilized L-asparaginase

JIN Hao^a, FANG Bo^a, JIANG Tiqian^a, WANG Duolin^b, ZHOU Shijiang^b

^a Chemical Engineering College, East China University of Science and Technology, Shanghai 200237, China

^b Clinic for East China University of Science and Technology, Shanghai 200237, China

Received Revised Online Accepted

Abstract Plasma was purified in an immobilized L-asparaginase column. The predicted results are in good agreement with experimental data. It is indicated that the mathematical model is suitable for the mass transfer and reaction of blood purification.

Key words [bioseparation](#); [blood purification](#); [immobilized enzyme](#); [L-asparaginase](#)

通讯作者:

金浩 tqjiang@online.sh.cn

作者个人主页: 金浩^a; 方波^a; 江体乾^a; 王铎林^b; 周仕江^b

扩展功能

本文信息

▶ [Supporting info](#)

▶ [PDF](#) (1433KB)

▶ [\[HTML全文\]](#) (0KB)

▶ [参考文献](#)

服务与反馈

▶ [把本文推荐给朋友](#)

▶ [加入我的书架](#)

▶ [加入引用管理器](#)

▶ [引用本文](#)

▶ [Email Alert](#)

▶ [文章反馈](#)

▶ [浏览反馈信息](#)

相关信息

▶ [本刊中包含“bioseparation”的相关文章](#)

▶ 本文作者相关文章

· [金浩a](#)

· [方波a](#)

· [江体乾a](#)

· [王铎林b](#)

· [周仕江b](#)