Accepted Manuscript

Title: Process and cost modeling of lactic acid recovery from fermentation broths by membrane-based process

Authors: Natnirin Phanthumchinda, Sitanan Thitiprasert, Somboon Tanasupawat, Suttichai Assabumrungrat, Nuttha Thongchul

PII: \$1359-5113(17)31682-3

DOI: https://doi.org/10.1016/j.procbio.2018.02.013

Reference: PRBI 11271

To appear in: Process Biochemistry

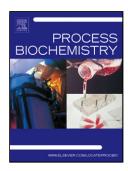
 Received date:
 26-10-2017

 Revised date:
 10-2-2018

 Accepted date:
 13-2-2018

Please cite this article as: Phanthumchinda Natnirin, Thitiprasert Sitanan, Tanasupawat Somboon, Assabumrungrat Suttichai, Thongchul Nuttha. Process and cost modeling of lactic acid recovery from fermentation broths by membrane-based process. *Process Biochemistry* https://doi.org/10.1016/j.procbio.2018.02.013

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Process and cost modeling of lactic acid recovery from fermentation broths by membrane-

based process

Phanthumchinda¹, Natnirin

Thitiprasert², Sitanan

Somboon Tanasupawat³,

Assabumrungrat⁴, Nuttha Thongchul^{2*}

¹Program in Biotechnology, Faculty of Science, Chulalongkorn University, Phayathai Road,

Wangmai, Bangkok 10330, Thailand

²Institute of Biotechnology and Genetic Engineering, Chulalongkorn University, Phayathai Road,

Wangmai, Bangkok 10330, Thailand

³Department of Biochemistry and Microbiology, Faculty of Pharmaceutical Sciences, Phayathai

Road, Wangmai, Bangkok 10330, Thailand

⁴Department of Chemical Engineering, Faculty of Engineering, Chulalongkorn University,

Phayathai Road, Wangmai, Pathumwan, Bangkok 10330, Thailand

*Corresponding author: Nuttha Thongchul

Phone: +66-2-2188073; Fax: +66-2-2533543; E-mail: Nuttha.T@chula.ac.th

Submitted to Process Biochemistry

Download English Version:

https://daneshyari.com/en/article/6495264

Download Persian Version:

https://daneshyari.com/article/6495264

<u>Daneshyari.com</u>