## Accepted Manuscript

Title: Exhaustive and stable electromembrane extraction of acidic drugs from human plasma

Author: Chuixiu Huang Astrid Gjelstad Knut Fredrik Seip

Henrik Jensen Stig Pedersen-Bjergaard

PII: S0021-9673(15)01680-5

DOI: http://dx.doi.org/doi:10.1016/j.chroma.2015.11.052

Reference: CHROMA 357066

To appear in: Journal of Chromatography A

Received date: 23-9-2015 Revised date: 6-11-2015 Accepted date: 16-11-2015

Please cite this article as: C. Huang, A. Gjelstad, K.F. Seip, H. Jensen, S. Pedersen-Bjergaard, Exhaustive and stable electromembrane extraction of acidic drugs from human plasma, *Journal of Chromatography A* (2015), http://dx.doi.org/10.1016/j.chroma.2015.11.052

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.



## ACCEPTED MANUSCRIPT

Alconois were found to be the most efficient SLIVI for LIVIE of acidic drugs.
1-Heptanol was the most successful SLM.
Hydrogen bonding acidity was a crucial factor for efficient EME of acidic drugs.
System-current was reduced and stabilized by introducing NPOE into the SLM.
Exhaustive EME of acidic drugs with broad polarity from human plasma was achieved.
Exhaustive and stable electromembrane extraction of
acidic drugs from human plasma
Chuixiu Huang <sup>a, b,*</sup> , Astrid Gjelstad <sup>a</sup> , Knut Fredrik Seip <sup>a</sup> , Henrik Jensen <sup>c</sup> , Stig
Pedersen-Bjergaard <sup>a, c,*</sup>
<sup>a</sup> School of Pharmacy, University of Oslo, PO Box 1068 Blindern, 0316 Oslo, Norway
<sup>b</sup> G&T Septech AS, PO Box 33, 1917 Ytre Enebakk, Norway
<sup>c</sup> Department of Pharmacy, Faculty of Health and Medical Sciences, Faculty of Pharmaceutical
Sciences, University of Copenhagen, DK-2100 Copenhagen, Denmark
Corresponding author: Stig Pedersen-Bjergaard

## Download English Version:

## https://daneshyari.com/en/article/7610765

Download Persian Version:

https://daneshyari.com/article/7610765

<u>Daneshyari.com</u>