Journal of Chromatography B Special Issue Contents

Vol. 877, issue 25, 1 September 2009

33rd ANNUAL MEETING OF THE JAPANESE SOCIETY FOR BIOMEDICAL MASS SPECTROMETRY, TOKYO, JAPAN, 25-26 SEPTEMBER 2008

PREFACE

by Ryo Taguchi, Toshimitsu Niwa, Tomiko Kuhara

REVIEWS

Recent progress in the analysis of uremic toxins by mass spectrometry (Review)

by Toshimitsu Niwa

A new strategy for protein biomarker discovery utilizing 2-nitrobenzenesulfenyl (NBS) reagent and its applications to clinical samples (Review)

by Ei-ichi Matsuo, Makoto Watanabe, Hiroki Kuyama, Osamu Nishimura

RESEARCH PAPERS

Simultaneous determination of salivary testosterone and dehydroepiandrosterone using LC-MS/MS: Method development and evaluation of applicability for diagnosis and medication for late-onset hypogonadism

by Yujin Shibayama, Tatsuya Higashi, Kazutake Shimada, Akira Odani, Atsushi Mizokami, Hiroyuki Konaka, Eitetsu Koh, Mikio Namiki

Electrospray ionization tandem mass spectrometric determination of monomethylarsonic acid and dimethylarsinic acid after adduct formation with citric acid

by Kayoko Minakata, Kazunori Ohnishi, Satoki Nakamura, Masako Suzuki, Osamu Suzuki

Chemical synthesis of *N*-acetylcysteine conjugates of bile acids and *in vivo* formation in cholestatic rats as shown by liquid chromatography/electrospray ionization-linear ion trap mass spectrometry

by Kuniko Mitamura, Saai Watanabe, Toshihiro Sakai, Rika Okihara, Mitsuru Sogabe, Tateaki Wakamiya, Alan F. Hofmann, Shigeo Ikegawa

Global analysis of triacylglycerols including oxidized molecular species by reverse-phase high resolution LC/ESI-QTOF MS/MS

by Kazutaka Ikeda, Yuichi Oike, Takao Shimizu, Ryo Taguchi

Enzymatic evaluation of glutaric acidemia type 1 by an *in vitro* probe assay of acylcarnitine profiling using fibroblasts and electrospray ionization/tandem mass spectrometry (MS/MS)

by Yuichi Mushimoto, Yuki Hasegawa, Hironori Kobayashi, Hong Li, Jamiyan Purevsuren, Isamu Nakamura, Takeshi Taketani, Seiji Fukuda, Seiji Yamaguchi

Rapid and quantitative screening method for 43 benzodiazepines and their metabolites, zolpidem and zopiclone in human plasma by liquid chromatography/mass spectrometry with a small particle column

by Tomomi Ishida, Keiko Kudo, Makiko Hayashida, Noriaki Ikeda

SHORT COMMUNICATION

Analysis of acetylene in blood and urine using cryogenic gas chromatography-mass spectrometry

by Masayuki Kashiwagi, Kenji Hara, Hiroshi Fujii, Mitsuyoshi Kageura, Mutsuo Takamoto, Aya Matsusue, Tomoko Sugimura, Shin-ichi Kubo