Accepted Manuscript

Title: Morphine and Codeine Concentrations in Human Urine following Controlled Poppy Seeds Administration of Known Opiate Content





| PII: | S0379-0738(14)00198-4 |
|----------------|---|
| DOI: | http://dx.doi.org/doi:10.1016/j.forsciint.2014.04.042 |
| Reference: | FSI 7601 |
| To appear in: | FSI |
| Received date: | 25-12-2013 |
| Revised date: | 28-4-2014 |
| Accepted date: | 30-4-2014 |

Please cite this article as: Michael L.Smith, Daniel C.Nichols, Paula Underwood, Zachary Fuller, Matthew A.Moser, Charles LoDico, David A.Gorelick, Matthew N.Newmeyer, Marta Concheiro, Marilyn A.Huestis, Morphine and Codeine Concentrations in Human Urine following Controlled Poppy Seeds Administration of Known Opiate Content, Forensic Science International http://dx.doi.org/10.1016/j.forsciint.2014.04.042

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

Morphine and Codeine Concentrations in Human Urine following Controlled Poppy Seeds Administration of Known Opiate Content

Michael L. Smith¹, Daniel C. Nichols¹, Paula Underwood¹, Zachary Fuller¹, Matthew A. Moser¹, Charles LoDico², David A. Gorelick^{3,4}, Matthew N. Newmeyer^{3,5}, Marta Concheiro³, Marilyn A. Huestis³*

¹U.S. Army Forensic Toxicology Drug Testing Laboratory, Fort Meade, MD, USA, ²Division of Workplace Programs, Substance Abuse Mental Health Services Administration, Department of Health and Human Services, Rockville, MD, USA, ³Chemistry and Drug Metabolism, Intramural Research Program, National Institute on Drug Abuse, National Institutes of Health, Baltimore, MD, USA, ⁴Currently at Department of Psychiatry, University of Maryland School of Medicine, Baltimore, MD, USA, ⁵Program in Toxicology, University of Maryland Baltimore, Baltimore, MD, USA.

*Address correspondence to: Professor Dr. Dr. (h.c.) Marilyn A. Huestis Chief, Chemistry and Drug Metabolism, Intramural Research Program, National Institute on Drug Abuse, NIH 251 Bayview Blvd. Suite 200 Rm. 05A-721 Baltimore, MD, USA 21224. mhuestis@intra.nida.nih.gov Telephone: 443-740-2524; FAX: 443-740-2823 Download English Version:

https://daneshyari.com/en/article/6552461

Download Persian Version:

https://daneshyari.com/article/6552461

Daneshyari.com