UNITED NATIONS
Office on Drugs and Crime

Scientific Section
Vienna International Centre, P.O. Box 500, A-1400 Vienna, Austria, Tel.: (+43-1) 26060-4303/4304 Fax: (+43-1) 26060-5967

Selected Articles on the Analysis of Drugs of Abuse in Biological Specimens (July - December 2010)

1. Andresen, H., et al. (2010). "Gamma-Hydroxybutyrate in Urine and Serum: Additional Data Supporting Current Cut-Off Recommendations." Forensic Science International **200**(1-3): 93-99.

2. Antia, U., et al. (2010). "Validation of an LC-MS Method for the Detection and Quantification of BZP and TFMPP and their Hydroxylated Metabolites in Human Plasma and its Application to the Pharmacokinetic Study of TFMPP in Humans*." Journal of Forensic Sciences **55**(5): 1311-1318.

3. Brailsford, A. D., et al. (2010). "Urinary -Hydroxybutyrate Concentrations in 1126 Female Subjects." Journal of Analytical Toxicology **34**: 555-561.

4. Chan, K.-H., et al. (2010). "Famprofazone Use Can Be Misinterpreted as Methamphetamine Abuse." Journal of Analytical Toxicology **34**: 347-353.

5. Dickson, A. J., et al. (2010). "Detection of 1-Benzylpiperazine, 1-(3-Trifluoromethylphenyl)-piperazine, and 1-(3-Chlorophenyl)-piperazine in 3,4-Methylenedioxymethamphetamine-Positive Urine Samples." Journal of Analytical Toxicology **34**: 464-469.

6. Robandt, P. V., et al. (2010). "Automated Solid-Phase Extraction-Liquid Chromatography Tandem Mass Spectrometry Analysis of 6-Acetylmorphine in Human Urine Specimens: Application for a High-Throughput Urine Analysis Laboratory." Journal of Analytical Toxicology **34**: 470-475.

7. Sergi, M., et al. (2010). "Micro-solid phase extraction coupled with high-performance liquid chromatography–tandem mass spectrometry for the determination of stimulants, hallucinogens, ketamine and phencyclidine in oral fluids." Analytica Chimica Acta **675**(2): 132-137.

8. Simonsen, K. W., et al. (2010). "A Validated Method for Simultaneous Screening and Quantification of Twenty-Three Benzodiazepines and Metabolites Plus Zopiclone and Zaleplone in Whole Blood by LiquidLiquid Extraction and Ultra-Performance Liquid Chromatography Tandem Mass Spectrometry." Journal of Analytical Toxicology **34**: 332-341.

9. Sobolevsky, T., et al. (2010). "Detection of JWH-018 metabolites in smoking mixture post-administration urine." Forensic Science International **200**(1-3): 141-147.