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Bioanalytics, Therapeutic Drug Monitoring and Forensic Toxicology



- Measurements for Clinical Trials & Drug Monitoring
- Forensic Toxicology
- Therapeutic Drug Monitoring Service
- International Proficiency Testing Schemes for drug & biomarkers
- A link to Biomics

“ASI is committed to providing high quality bioanalytic and forensic services that consistently satisfy the needs and expectations of its customers”

Our services:

- MHRA GLP/GCP compliant facility for conduct of pharmaceutical regulatory studies
- ISO17025 application in progress
- Measurement of drugs and endogenous compounds
- Chromatographic, spectroscopic and immunoassay techniques available
- Bespoke assay design and validation
- Expertise in pharmacokinetic data analysis and report writing
- Recreational drug research and new designer drug identification
- Genotyping for pharmacogenetic studies
- Strong academic links leading to peer reviewed publications
- Clinical research studies and collaborations with clinical research units
- Bioanalytical services that can be tailored to meet individual client needs

Recent Publications:

The Need for Standardization of Tacrolimus Assays. Levine DM, Maine GT, Armbruster DA, Mussell C, Buchholz C, O'Connor G, Tuck V, Johnston A, Holt DW. *Clin Chem.* 2011 Oct 13.

Generic and therapeutic substitution: a viewpoint on achieving best practice in Europe. Johnston A, Asmar R, Dahlöf B, Hill K, Jones DA, Jordan J, Livingston M, Macgregor G, Sobanja M, Stafylas P, Rosei EA, Zamorano J. *Br J Clin Pharmacol.* 2011 Nov;72(5):727-730

High neonatal concentrations of raltegravir following transplacental transfer in HIV-1 positive pregnant women. McKeown DA, Rosenvinge M, Donaghy S, Sharland M, Holt DW, Cormack I, Hay P, Sadiq ST. *AIDS.* 2010;24:2416-8.

Black renal transplant recipients have poorer long-term graft survival than CYP3A5 expressers from other ethnic groups. Ng FL, Holt DW, Chang RW, Macphee IA. *Nephrol Dial Transplant.* 2010;25:628-34.

Recreational use of Mephedrone (4-methylmethcathinone, 4-MMC) with associated sympathomimetic toxicity Wood DM, Davies S, Puchnarewicz M, Button J, Archer R, Ovaska H, Ramsey J, Lee T, Holt J and Dargan P. *J Med Toxicol* 2010; 6: 327-330

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