Center for Forensic Sciences Capabilities

Quality Assurance (QA) Samples for Forensic Testing Programs
RTI International offers urine, hair, oral fluid, and blood samples prepared with customer-designated target analytes (e.g., drugs, pesticides, and alcohols), including specimen validity test measurands. These samples are designed to be used for blind QA, proficiency testing, assay validation, and analyst training. The samples also satisfy continued competency assessment, as required by ISO 17025.

QA is critical for forensic testing laboratories. Our blind QA samples can be used for continuous assessment of quality processes and analyst performance as demonstrated by the journal article “Implementation of a Blind Quality Program in Blood Alcohol Analysis,” published in the Journal of Analytical Toxicology in 2019.

RTI is accredited by the ANSI National Accreditation Board to ISO 17034 as a Reference Material Producer for urine and oral fluid samples.

Proficiency Testing Program for Drugs in Oral Fluid
Oral fluid as a testing matrix is increasingly becoming the standard in criminal justice, clinical, and workplace drug-testing venues. Proficiency in testing oral fluid samples will continue to grow in importance for judicial and administrative processes, and laboratories testing such samples will be under increasing pressure to ensure the accuracy of their results. RTI offers an oral fluid proficiency testing program to meet clients’ needs.

Hair Reference Materials (HRM) for Forensic Testing
RTI offers authentic HRM designed to challenge laboratories’ abilities to quantitate drugs in human hair. HRM samples are prepared using drug-positive donor hair. HRM can be prepared to specified concentrations and tested to determine homogeneity. RTI is in the process of acquiring ISO 17034 accreditation as a Reference Material Producer.

More Information
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