

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 and ISO 17043 as a Proficiency Test Provider.

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 accredited by the ANSI National Accreditation Board to ISO 17034 as a Reference Material Producer and ISO 17043 as a Proficiency Test Provider for authentic HRM. RTI is accredited by the ANSI National Accreditation Board to ISO 17034 as a Reference Material Producer and ISO 17043 as a Proficiency Test Provider for authentic HRM.



More Information

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RTI International is an independent, nonprofit research institute dedicated to improving the human condition. Clients rely on us to answer questions that demand an objective and multidisciplinary approach—one that integrates expertise across the social and laboratory sciences, engineering, and international development. We believe in the promise of science, and we are inspired every day to deliver on that promise for the good of people, communities, and businesses around the world. For more information, visit www.rti.org.

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