

Collaborative Analytical Chemistry Partnerships



RTI is located in the heart of Research Triangle Park and convenient to Alexandria Real Estate's scientific ecosystem and innovation clusters.

Comprehensive Analytical Chemistry Services

- Method development and validation
- Impurity and other testing
- Physicochemical characterization
- Test article and dose concentration
- Bioanalytical method development, validation, and analysis
- High throughput sample analysis

Materials Handling and Logistics Facility

- Dose formulation
- Chemical repository
- Logistics

Bioanalytical Research

- LC-MS/MS and GC/MS method development and validation
- Metabolite identification
- Impurity characterization
- Biological sample analysis to support all phases of drug development

Organic Synthesis and Drug Discovery

- Custom synthesis of specialized chemicals
- Synthesis of labeled materials
- Computational chemistry



Instrumentation

- Electron microscopy/TEM SEM
- Optical microscopy/PLM

LC/MS

LC-MS/MS and UHPLC-MS/MS systems with ESI, APCI, and APPI ion sources

- Sciex 7500, 6500+ (2), API-5000, 4000 (2), and 4000 QTrap (2) LC-MS/MS
- Agilent 6410 LC-MS/MS
- High-resolution MS and MS/MS
- Thermo IQ-X and LTQ Orbitraps
- Agilent 6230 TOF

GC

GC with FID, ECD, NPD, FPD, and TCD

GC-MS

GC-MS (Agilent 5977/5975/5973) and GC-MS/MS (Agilent 7000) with EI and CI

UHPLC and HPLC

UHPLC and HPLC with PDA, UV, CAD, ELSD, RI, fluorescence, and electrochemical detection

ICP-MS and ICP-OES

- Thermo Element 2 (SF-ICP-MS)
- Thermo RQ ICP-MS (2)
- Thermo 6500 and 7500 ICP-OES Systems

Engagement Models

Fee for Service

Fee-for-service costs vary by specific assay (e.g., price-per-sample analysis). Contact us for detailed pricing.

Time and Materials

Costs related to time and materials vary based on technical complexity. For example, the work may require a technician or a senior chemist. Contact us for detailed pricing.

“Hands-On” Instrument Access

Possible for select partnerships; please contact us for more information.

Collaborative Grant Writing

Possible for select partnerships; please contact us for more information.

More Information

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