



Tandem Labs is a contract research organization (CRO) supporting pharmaceutical and biotechnology companies with their drug discovery and development programs. Through a combination of scientific expertise, responsive communication, regulatory compliance, superior service, and a commitment to information technology, Tandem Labs provides its clients with the data they need to confidently decide how to advance their programs.

GLP Bioanalytical Services (Small Molecule)

- Method development and validation, including plasma, urine, and tissues across species
- High-throughput preclinical and clinical study sample analysis
- PK and toxicokinetic (TK) analysis and reporting
- Protein-binding assays
- Dose formulation analysis
- Long-term sample storage

Non-GLP Discovery Pharmacokinetic (PK) & Pharmacodynamic (PD) Services

- Rapid turnaround discovery PK/PD bioanalysis lead screening, optimization, and candidate selection
- Protein-binding assays
- RBC partitioning
- Plasma/tissue stability
- Tissue distribution
- Dose formulation analysis

GLP Biologics, Biomarker, and Vaccine Development Services (Large Molecule)

- Immunogenicity assays
- Pharmacokinetic (PK) assays
- Cell-based bioassay development, validation, and sample analysis

Drug Metabolism Services

- Intrinsic clearance measurement in microsome or S9
- Metabolite screening
- Drug metabolite profiling and identification (in-vitro and in-vivo)

Biomarker Services

ELISA BASED

- Ligand-binding assays
- Targeted biomarker assay development and validation
- Biomarker discovery

MASS SPECTROMETRY BASED

- Targeted biomarker assay development and validation
- Biomarker discovery (proteomics and metabonomics)

Bioanalytical Instrumentation & Automation

- More than 30 LC/MS/MS, including MDS Sciex API 5000™, 4000™, 3000™, Ionics EP10+, and 4000 Q TRAP®
- Applied Biosystems QSTAR XL LC/Q-TOF
- LEAP CTC HTS PAL equipped with multiplexing valves
- Shimadzu SPD-M10 PDA systems
- Shimadzu LC-10 ADVP systems
- Tomtec automated 96-well SPE systems
- Apricot Designs automated 96-well SPE systems
- Waters ACQUITY UPLC® systems
- LEAP 4X UPLC systems
- Spark Holland Symbiosis online SPE extraction systems
- Packard MultiPROBE® robotic liquid handling systems
- Thermo Cohesive Aria Multiplex systems

Immunoanalytical Instrumentations

- Molecular Devices (MD) SpectraMax Plus384 systems
- MD VersaMax™ Tunable Microplate Readers
- MD Spectramax M5 systems (absorbance, fluorescence, luminescence, fluorescence polarization – FP, and time-resolved fluorescence - TRF)
- MD SpectraMax® L Microplate Luminometers
- MD LMax Microplate Luminometers
- Bio-Tek Microplate Washers
- Bio-Plex 200 systems
- MSD SECTOR Imager 2400 systems
- Beckman COULTER COUNTER® Z2 Particle Cell Counters
- Taylor Wharton LS6000 Liquid Nitrogen systems
- Planer Kryo 360 Controlled Rate Freezers
- Thermo/Forma Scientific Steri-Cult CO₂ Incubators

Information Systems

- Thermo Watson™ LIMS
- Waters NuGenesis SDMS™
- VelQuest SmartLab™
- Rees Scientific Series II-PC Environmental Monitoring Systems

74,000-Square Feet of Operational Space

- 29,000-square foot facility in Salt Lake City, UT
- 29,000-square foot facility in West Trenton, NJ
- 10,000-square foot facility in Woburn, MA
- 6,000-square foot facility in San Diego, CA
- Licensed for radioactive materials (UT, NJ, MA)
- Schedule I-IV controlled substances

Extended Services Available

- Preclinical analytical formulations
- Biochemical signature services (PD)
- Custom synthesis and isotopic labeling (stable labels)
- General and specialized toxicology services
- General and specialized in-vivo PK and efficacy services
- PK and TK biometrics

Our Corporate Philosophy

At Tandem Labs, we exist to serve the needs of our clients and we make it easy for clients to do business with us. Our objective is to use our technical expertise to help clients reduce their overall time in bringing new medicines to market.

Commitment to Quality

Quality is the single most important component of Tandem Labs' analytical services. To ensure quality and compliance are never compromised, excellence, uniformity, and discipline are integrated into our systems throughout every level of the organization. Tandem Labs has also been inspected numerous times by sponsors and the FDA and has a strong regulatory history.

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