



Experience
what **Q**
can do for you

ANALYTICAL CHEMISTRY
MICROBIOLOGY
RESEARCH & DEVELOPMENT
LAB SERVICES

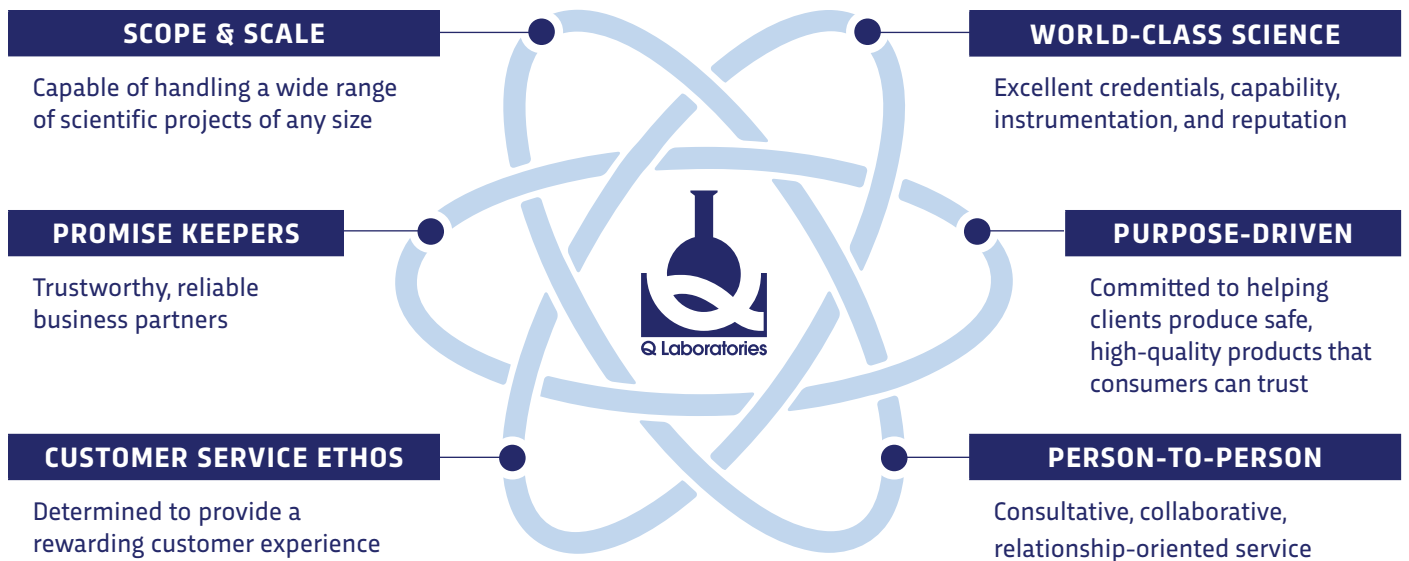
Delivering Accurate Results with Extraordinary Service Since 1966



ABOUT Q LABORATORIES

Founded in 1966, Q Laboratories serves the food, pharmaceutical, personal care products, cosmetic, medical device and dietary supplement industries, offering microbiology, analytical chemistry and research and development laboratory services. A privately-owned company, Q Laboratories combines state-of-the-art technology with exceptional service and attention to detail. Q Laboratories is open 365 days each year to help you maintain the high level of excellence you demand within your operations and to enable you to continue to produce safe, high-quality products.

THE SCIENCE BEHIND Q LABORATORIES' SUCCESS



INDUSTRIES SERVED



FOOD



PHARMACEUTICAL



PERSONAL CARE



Q LABORATORIES HISTORY

Q Laboratories was founded in 1966 by Herbert Quinn (that's where the Q comes from). Mr. Quinn originally operated a small microbiology laboratory in the basement of his home, testing mostly water. In 1985, Michael Knight, a former FDA investigator, bought the company from Mr. Quinn and moved it into a facility in the South Fairmount neighborhood of Cincinnati. Mr. Knight leveraged his FDA background to expand the services offered to include testing of food, pharmaceuticals, cosmetics and dietary supplements. He also opened the analytical chemistry department, implementing GMP quality standards throughout the operation.

With continued success, Q Laboratories eventually outgrew the South Fairmount facility and, in 1997, moved to 1400 Harrison Avenue. This lab building has a unique place in Cincinnati history. Built in 1911, it comprises over 14,000 square feet of space located in one of the city's oldest neighborhoods, just five minutes from downtown Cincinnati. The building originally housed the offices of the Herancourt Brewing Company, a now defunct brewery that operated in the early 20th century.

In 2000, the business was acquired by David Goins, who at that point served as the Laboratory Director. Growth continued and, in 2010, Q Laboratories opened up a new 9,000 square foot addition which allowed for the expansion of laboratory space and a more efficient workflow.

Continued success has required another major facility expansion. So, in 2017, the company acquired investment capital and began construction of a new Q Laboratories campus – a 25,000 square foot administrative building along with a state-of-the-art, 30,000 square foot laboratory facility. The goal of this latest expansion: Enable Q Laboratories to continue to provide clients with cutting-edge scientific technologies capable of accommodating projects and sample volumes of virtually any size.

Q Laboratories takes the quality of your products as seriously as you do. We are not satisfied until you are satisfied. We take the time to get to know you, your company, and your needs and expectations.



WATER



DIETARY SUPPLEMENT



ENVIRONMENTAL SAMPLES



PHARMACEUTICAL LABORATORY SERVICES

ANALYTICAL CHEMISTRY

Laboratory Services

- Method Development and Validation
- Method Verification
- Method Transfer
- Environmental Monitoring Programs
- Raw Material Qualification - USP, EP
- Certificate of Analysis Verification
- Stability Studies
 - Real-time, Intermediate, Accelerated, Freeze-thaw, Photostability and Weight Loss
- Active Ingredient Monitoring
- Dissolution Analysis <711>
 - Apparatus 1 & 2
- USP Purified Water Analysis
- Residual Solvents, USP <467>
- Heavy Metals
- Metals

MICROBIOLOGY

Laboratory Services

- Microbial Identification (MALDI-TOF)
- Environmental Monitoring Programs
- Antimicrobial/Preservative Efficacy
 - USP <51>
 - ISO 11930
 - Personal Care Products Council Methods (M-3, M-6, M-7)
- USP <61> - Microbial Enumeration Tests
- USP <62> - Tests for Specified Organisms
- Minimum Inhibitory Concentration Determination (MIC)
- Minimum Bactericidal Concentration Determination (MBC)
- Antibiotics Assays, USP <81>
- Endotoxin Screening
- Water Quality Analysis



DID YOU KNOW?

Q Laboratories is certified as proficient in the isolation of Legionella from water samples by the Centers for Disease Control and Prevention's Environmental Legionella Isolation Techniques Evaluation (CDC ELITE).



FOOD/WATER LABORATORY SERVICES



ANALYTICAL CHEMISTRY

Laboratory Services

- Complete Nutritional Analysis
- Guaranteed Analysis - Pet Food
- Proximate Analysis
- Vitamins
- Minerals
- Raw Material Qualification
- Food Chemicals Codex Monograph Analysis
- Heavy Metals
- Food Chemistry Analysis
- Sugar Profile
- Organic Acid Profile
- Fatty Acid Profile
- Scoville Units Analysis
- Alcohol Analysis
- Sugar Alcohols

MICROBIOLOGY

Laboratory Services

- Microbial Identification (MALDI-TOF)
- Environmental Monitoring Programs
- Virus Detection
 - Norovirus
 - Hepatitis A
- Shelf Life Determination
- Accelerated Shelf Life Studies
- Challenge Studies
- Rapid Pathogen Detection
- STECs
- Foreign Matter Investigations
- Commercial Sterility Evaluations
- Microbial Enumeration and Identification
- Yeast & Mold Count and Identification
- Speciation Analysis
- Foreign Matter Investigations
- Allergen Screening
 - Peanut
 - Milk
 - Pecan
 - Egg
 - Gluten
 - Fish
 - Almond
 - Soy
 - Others upon request



WATER TESTING SERVICES

- Potability
- Heterotrophic Plate Count
- Coliform Count
- Legionella
- E. coli
- Heavy Metals
- Total Organic Carbon
- Conductivity
- Fecal Coliform



RESEARCH & DEVELOPMENT LABORATORY SERVICES

The Q Laboratories Research & Development Laboratories are designed to provide clients with independent, versatile laboratory services to accommodate their changing needs. Our R & D analysts can assist in designing and implementing methods and instrument validation, as well as custom studies that achieve the specific requirements of the client.

Q Laboratories' scientists have experience working with all types of products and technology and can save you time and money by completing both large and small projects in a timely and cost-effective manner.



ANALYTICAL CHEMISTRY

Laboratory Services

- Method Development
- Method Validation
- Method Verification
- Method Transfer
- Internal Validation Studies
- AOAC OMA Studies
- AOAC-RI Studies
- Study Design and Implementation

MICROBIOLOGY

Laboratory Services

- AOAC OMA Studies
- AOAC-RI Performance Tested Methods Evaluation
- AOAC-RI Internal Validation Studies
- Matrix Extension Studies
- Method Suitability Studies
- FDA/EPA Sanitizer and Disinfectant Efficacy Studies
- Antimicrobial Susceptibility Testing (GLP and non-GLP)
- Chlorine Equivalency Evaluations (GLP and non-GLP)
- Study Design and Implementation
- MicroVal Validation Studies
- AFNOR Validation Studies
- Process Validation Studies
- Reusable Medical Device Reprocessing Validation Studies



DID YOU KNOW?

Q Laboratories is the first lab in North America to be recognized as an Expert Laboratory by all three major international validation bodies: AOAC International, MicroVal and AFNOR. This allows us to design and execute single validation studies that gain multiple approvals for your test kits or instruments, saving you time and money.



SCIENTIFIC QUALIFICATIONS

TECHNICAL CAPABILITIES

- LC/MS
- ICP/MS
- ICP-OES
- HPLC
- GC
- GC Headspace
- Kinetic Chromogenic Assay
- FTIR
- UV- VIS
- Atomic Absorption
- Microwave Digestion
- Headspace Analyzer
- Total Organic Carbon (TOC)
- Conductivity
- Viscometer
- Polarimetry
- Dissolution
- Polymerase Chain Reaction (PCR)
 - Real-Time PCR
- Rapid Pathogen Detection
- ELISA Applications
- Bruker® Maldi Biotyper
- Computerized Microbial Identification
- Colorimetry
- Soleris®

CERTIFICATIONS

- FDA Registered (Reg. #1527260)
- AOAC International Research Institute Recommended Laboratory
- MicroVal Expert Laboratory
- AFNOR Certified Expert Laboratory
- cGMP/GLP Compliant
- CDC ELITE Certified for Legionella Analysis in Water
- EPA/DDGW Certified for Potable Water Microbiological Testing



METHODS UTILIZED

- FDA/BAM
- USDA/MLG
- AOAC
- ISO
- USP/NF
- EP
- AOCS
- ASTM
- Food Chemicals Codex (FCC)
- EPA Methods
- Standard Methods for the Examination of Water and Wastewater
- Client-Specific Methods
- Standard Methods for the Examination of Dairy Products
- Compendium of Methods for the Microbiological Examination of Foods
- Others upon request



Q Laboratories

ISO 17025
ACCREDITED LABORATORY



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