

DWK LIFE SCIENCES CORPORATE CAPABILITIES



**DURAN
WHEATON
KIMBLE**

Excellence in your hands



fisher scientific

part of Thermo Fisher Scientific

Who is DWK Life Sciences?

A SOLUTION PARTNER FOR YOU

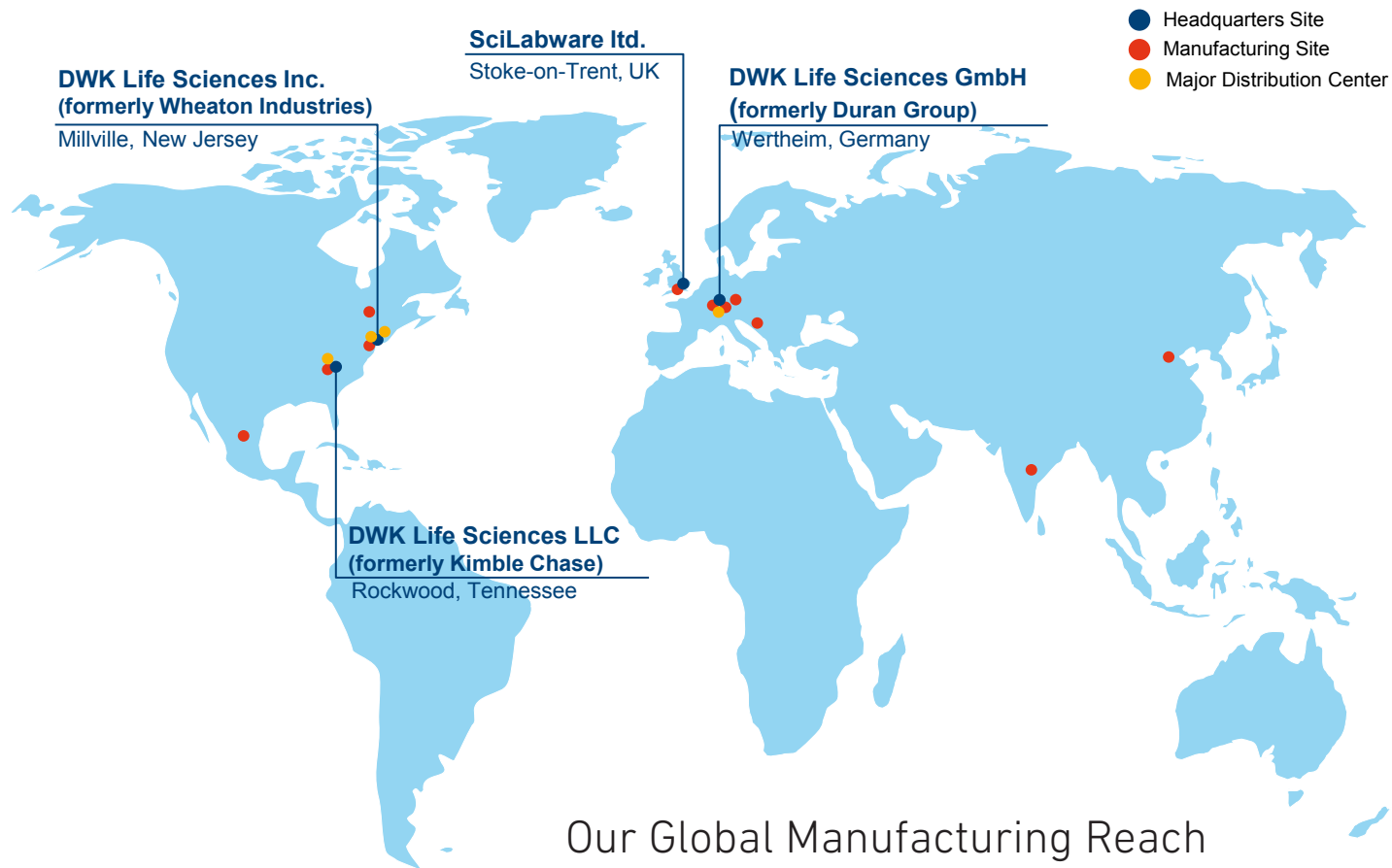
DWK Life Sciences (DWK) is the new name for precision labware. Our company combines the strength of three global leading brands DURAN®, WHEATON® and KIMBLE® with a single aim: to help you achieve **excellence** in your field.

We provide the world's laboratories with the most comprehensive range of labware for scientific research and analytical applications as well as solutions for storage and packaging. We meet our customers' highest expectations as a result of our relentless attention to deliver outstanding value while maintaining a premium quality experience. Our deep understanding of science, markets and applications results in our ability to offer innovative products and services designed to meet our customers' most demanding requirements. Our expertise is based on over 125+ years of market leadership, during which we have won the trust of our customers and distribution partners worldwide. With specialized strength in manufacturing and supply chain excellence, we ensure that you receive the right product at the right time, while meeting premium quality standards.

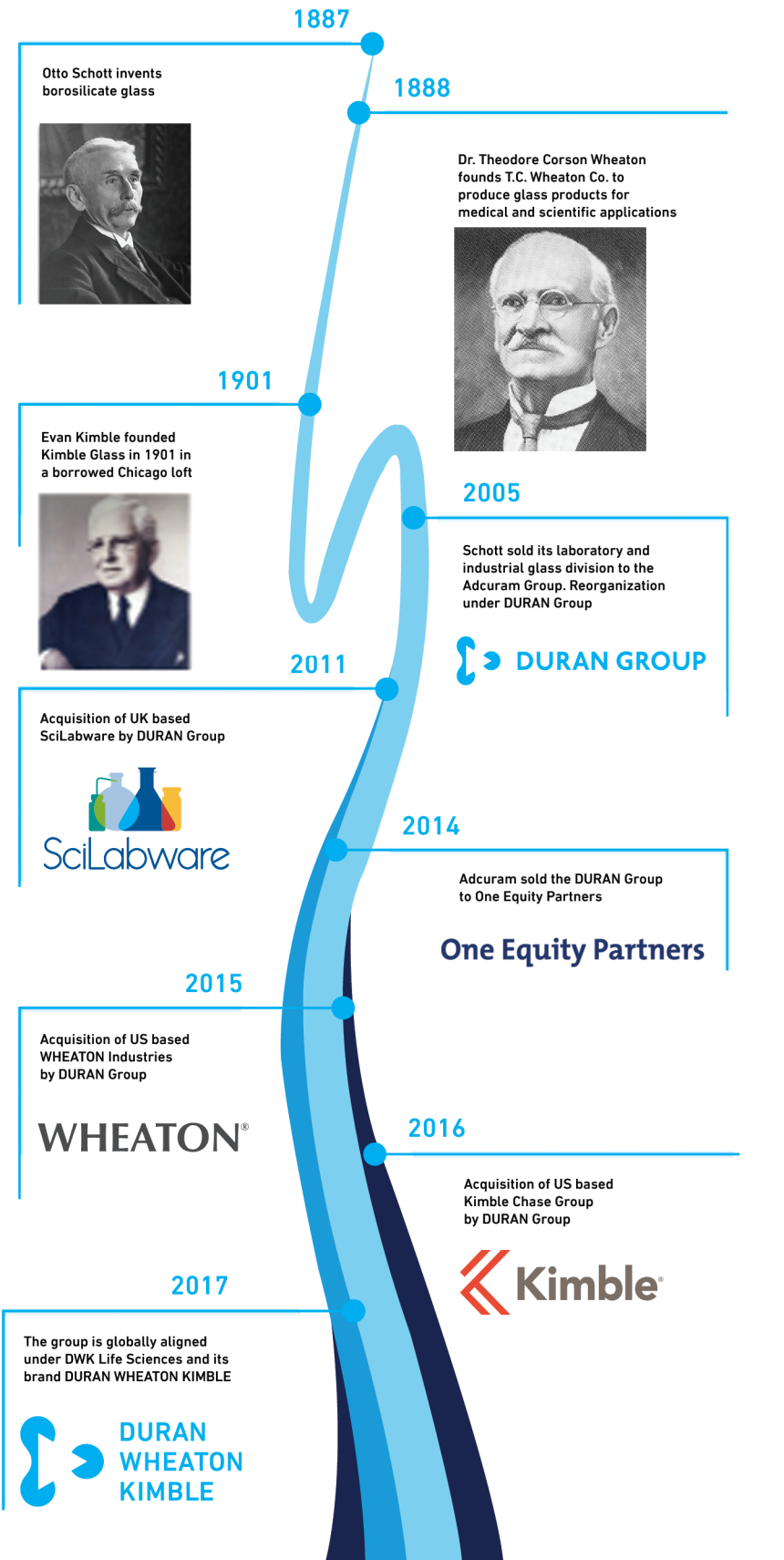
We operate 11 manufacturing and distribution sites on three continents, serving laboratories across the globe and enabling our customers to accelerate the pace of research, discovery and the scientific applications.

Why work with DWK Life Sciences?

- We are the world's **leading manufacturer and supplier** of premium glass, plastics, custom configurations and packaging solutions
- We offer **the most comprehensive range of labware for scientific research and analytical applications** as well as solutions for **storage and packaging**
- We provide **standard and customized product and service solutions** to address speed-to-market and evolving customer requirements
- Our **global manufacturing footprint and extensive distribution network** enables our customers to accelerate the pace of research, discovery and scientific applications while providing supply chain security
- Our **global presence enables consistent solutions** across counties, countries and continents



The story of DWK Life Sciences



OUR VISION

We will be present in every laboratory around the world and will accelerate scientific progress by providing a full range of products and solutions for customers in drug discovery, life science and industrial markets.

OUR MISSION

We earn the trust of our customers by facilitating improvements in their processes and enabling better results.

We encourage creativity and innovation so we can offer our customers new and better solutions for their needs.

We empower our people to pursue ambitious goals by constantly improving our products and processes.

We strive for excellence in everything we do.

OUR VALUES

Our four corporate values give us orientation and form the basis for our daily activities.

PASSION



PRECISION



CREATIVITY



TRUST



Solutions for every challenge

WHAT WE OFFER

We deliver the most comprehensive range of labware for scientific research and analytical applications as well as solutions for storage and packaging. With our breadth of products, depth of knowledge, uncompromising focus on quality and innovation and unparalleled expertise in glass manufacturing, we focus on offering standard and customized product and service solutions to address speed-to-market and evolving customer requirements. From vials to NMR tubes, custom vial services to beakers, lab bottles to flasks and roller racks to caps and closures, DWK Life Sciences has you covered from start to finish in the Life Science Research, Life Science Packaging and Production, Industrial and Applied Sciences, and Clinical and Healthcare markets. Discover how DWK Life Sciences helps you achieve *excellence* in your field.

MANUFACTURING CAPABILITIES

With production sites in the USA, Mexico, Europe and Asia, we are optimally positioned to offer customers a greatly expanded product range as well as increased flexibility and best in class service. Our global manufacturing footprint and extensive distribution network provides supply chain security.

We will continue to invest in state-of-the-art technologies and manufacturing facilities dedicated to the creation of high quality glass and plasticware that exceeds the most stringent of regulations and standards with our customers' needs and goals in mind.

TECHNICAL SERVICES

Let us be your single source for custom laboratory glassware. Whether you are looking for a slight variation of a standard product or a completely unique design, we can do it! Our product design team and veteran glassblowers will meet your requirements and exceed your expectations.

Capabilities

- Technical Support
- Product Design
- Graduating / Calibrating
- Quartz Apparatus
- Glass to Metal Graded Seals
- Grinding & Polishing (Machine or Hand)
- Machine Shop
- Microscale Glassware
- Precision Bore Tubing
- Glass Tooling
- Flasks to 72 Liters
- Bottles to 90 Liters



PRODUCT SOLUTIONS

We offer an extensive materials and product portfolio, enabling us to be your complete supplier. Our expertise in glass and plastic containers coupled with a wide selection of closure systems can ensure the secure delivery of your most sensitive materials. We also have the capability to customize any of our products to meet your specific needs: from critical cleaning to specific pack quantities, our goal is to provide better solutions to your daily challenges.

- Extensive packaging capabilities
- Stock offering of glass and plastic
- Specialized container closures
- Vaccine production equipment
- Small scale filling and capping equipment
- Clinical trial builds
- Cleanroom capabilities
- FDA registered
- ISO 9001 & 14001
- ASTM and ISO Standard Compliance

DEVELOPMENT SERVICES TEAM

Our Development Services Team works closely with customers to provide solutions for new product development as well as ongoing commercial supply. Complex packaging challenges, budget constraints, limited resources, rapid time to market, our experts find solutions for it all. Our team combines decades of packaging expertise and project management, working hand in hand with customers to ensure a flawless on time and on budget launch.

- Customer relationships
- Project scope
- Concept development
- Product design and development through commercialization
- Mold design and development
- Design verification and validation
- IQ, OQ, PQ validation protocols
- Timeline management
- Budget Management
- Results reporting
- Launch coordination

TREATMENT & SERVICES

Rinse / Cleaning

- WFI Rinse (Containers \leq 250mL)
- USP Purified Rinse (Containers \geq 250mL)
- Particulate Cleaning
- Depyrogenation, Validated 3-Log Reduction

Sterilization

- Autoclave (Stoppers, Seals)
- Sterile Foil Wrap Process (Dry Heat)
- TOC Process
- Irradiation (Gamma)

Surface Treatment

- Silanization
- Siliconization





**DURAN
WHEATON
KIMBLE**

Excellence in your hands

MARKETS SERVED

01

LIFE SCIENCE RESEARCH

02

LIFE SCIENCE PACKAGING AND PRODUCTION

03

INDUSTRIAL AND APPLIED SCIENCES

04

CLINICAL AND HEALTHCARE

LIFE SCIENCE RESEARCH

*EXCELLENCE IN
LIFE SCIENCE
INNOVATION*

Committed
to supporting
scientists
and leading
edge scientific
discoveries





DWK Life Sciences is the leading manufacturer and supplier to the life science research market. Academic and institutional researchers throughout the world rely on our products to support their life's work and promote leading edge scientific discoveries. Our extensive portfolio offers a range of products critical for applications ranging from preparation and storage of reagents, cell culture and analysis via a variety of techniques.

Formulate

Whether you are preparing buffers and media or storing samples, We offer a broad range of container solutions in glass and plastic. Our volumetric glassware is available in ASTM and ISO certified configurations to meet the demanding precision requirements across the globe. Our liquid handling options provide solutions for transferring, dispensing and aliquoting reagents regardless of the application.

Culture

We offer an array of products designed to culture cells and propagate lab scale antibodies for a multitude of research applications. Scientists rely on our spinner and shaker flasks for suspension cell culture expansion as well as our unique WHEATON® CELLLine™ portfolio to generate massive quantities of antibodies to drive research. Additionally, we offer equipment to support processing and incubation of cells during the growth phase.

Analyze

Our extensive line of vials and closures for chromatography are unmatched within the industry. We are the world's largest producer of life science vials and offer products both in component and complete kitted formats to meet the ever-changing needs of your testing. In addition, we offer enhanced sample management services including bar coding, surface treatment, cleanliness, and sterilization to ensure the integrity of your results.

Applications

- Antibody production
- Cell cultivation
- Chromatography
- Drug discovery
- Filtration
- Fluid transfer
- Precision liquid handling
- Reagent preparation
- Reagent storage
- Sample preparation

Products

- Bottle top dispensers
- Chromatography vials
- Cryogenic storage boxes
- Cryogenic storage vials
- Culture flasks
- Culture tubes
- General laboratory bottles
- HPLC reservoirs
- Incubation flasks
- Media storage bottles
- Microfiltration assemblies
- Microplates
- NMR tubes
- Petri dishes
- Pipettors and tips
- Scintillation & storage vials
- Serological pipettes
- Spinner flasks

Services

- Bar coding identification services
- Custom glass shop
- Glass amberization
- Glass safety coatings
- Surface treatment

LIFE SCIENCE
PACKAGING AND
PRODUCTION

EXCELLENCE
IN PROCESS

Committed to
bringing science
to life





DWK Life Sciences range of containers and manufacturing equipment provides an extensive array of tools and options that enable our customers' production, bulk storage and primary packaging needs. We offer a broad spectrum of glass and plastic container solutions to meet the rigorous requirements and expectations for our customers that produce and package in vitro diagnostic and life science reagents to compounding and parenteral pharmaceuticals.

Produce

For the scale-up and production of vaccines and biotherapeutics, we are world renowned for our highly reliable line of cell culture roller racks and incubation equipment. Our WHEATON® CELLLine™ antibody production flasks as well as our process consumables such as roller bottles, shake flasks and spinner flasks enable our customers to scale-up and produce critical products to prevent disease and treat patients.

Validate

We offer a complete line of container solutions for conducting validation and stability studies and throughout the qualification, verification and validation of pharmaceutical and IVD development to support regulatory compliance and expectations during clinical phase progression. Additionally, we provide value added services from container cleaning to sterilization and depyrogenation allowing our customers to focus on their core competencies.

Fill

From storage of bulk intermediates through final fill and finish packaging, our size and assortment of container solutions enable our customers to deliver their end products to market with confidence and assurance. We offer unique solutions such as DURAN PURE bottles and our WHEATON® COMPLETEPAK ready-to-fill low particulate and sterile vials to meet our customers stringent requirements and to facilitate their filling processes.

Applications

- Biologics processing
- Bulk intermediate storage & packaging
- Diagnostic & reagent packaging
- Finished fill packaging
- Fluid transfer
- Incubation
- Lyophilization
- Process reagent preparation
- Production cell culture
- Vaccine production

Products

- Caps & seals
- Crimpers & decappers
- Diagnostic vials
- DURAN PURE bottles
- Glass & plastic bottles
- Leak resistant plastic containers & closures
- Microplates
- Roller bottles
- Roller racks & incubators
- Shake flasks
- Spinner flasks
- Storage & production bottles
- WHEATON® CELLLine antibody production flasks
- WHEATON® COMPLETEPAK sterile vial kits

Services

- Bar coding identification services
- Critical cleaning services
- Custom configurations
- Surface treatment

**INDUSTRIAL AND
APPLIED SCIENCE**

*EXCELLENCE
IN ANALYSIS*

Committed to
providing control
and compliance for
the protection of
future generations





DWK Life Sciences serves a diverse range of industrial segments and application including petrochemical, mining, environmental testing and food and beverage. From basic laboratory products to specialized tools, DWK Life Sciences is your industrial partner.

Collection

Field testing begins with sample collection. With the widest variety of container solutions, we offer you the right type, right size and the right material composition for obtaining and retaining samples for further testing analysis.

Preparation

We develop and manufacture specialty tools and equipment to enable Industry professionals to conduct quick evaluation of samples. Whether you are wildcatter testing water and sediment content of oil well output or measuring salt and brine content in the food industry, we have the right tools for the job that you need to perform.

Analysis

We produce key laboratory essentials to support a variety of techniques used in testing and analysis in mining, environmental monitoring, food safety. From ubiquitous disposable and reusable test tubes to vials for chromatographic procedures, we assist you in ensuring quality control in your critical applications.

Applications

- Chromatography
- Distillation
- Extraction
- Filtration
- Microbiology testing
- Sample analysis
- Sample collection
- Trace metals analysis

Products

- ASTM Class A and B volumetric glassware
- Glass bottles & jars
- Glass test tubes
- Hydrometers
- KD concentrators
- Liquid extraction
- Liquid handling
- Magnetic stirrers
- Microfiltration apparatus
- Midi-Vap distillation system
- Oil centrifuges tubes
- Sample collection tools
- Solvent recovery systems
- Soxhlet extraction
- Starline plastic containers & closures
- Vials & inserts
- Volumetric pipette

Services

- Bar coding identification services
- Certificates/documentation
- Critical cleaning services
- Custom glass shop
- Re-calibration services
- Tare weighing

CLINICAL AND HEALTHCARE

*EXCELLENCE
IN TRANSFORMATIVE
PATIENT CARE*

Addressing the
challenges of
optimal patient
treatment





DWK Life Sciences recognizes that our ultimate customer is the patient. We manufacture a unique selection of products that are used in clinical settings for the collection, preparation and diagnosis of patient samples. If your discipline is hematology, microbiology or histology, DWK Life Sciences has the right tools to support your protocols.

Prepare

Beginning with the end in mind, our complete portfolio is designed for the preparation of microbiological culture medium used to test patient samples. Whether you need to prepare petri dishes or slant tubes to cultivate and identify bacterial colonies, we have your solution. We also manufacture tools such as tissue grinders to prepare tissue samples for further microscopic or molecular analytical techniques.

Characterize

As a leading manufacturer and supplier of tubes used for ABO typing, we ensure patient safety for transfusion procedures. Additionally, we offer a variety of capillary and hematocrit tubes for micro-collection of blood samples as well as Wintrobe and Westergren Tubes for erythrocyte sedimentation procedures.

Diagnose

Contact your DWK Life Sciences representative to discuss custom development of specimen collection and diagnostic test kits utilizing any of our container alternatives and laboratory tools. From vials and dropper bottles to pasteur pipettes, we have all the key components you will need to execute your work precisely.

Applications

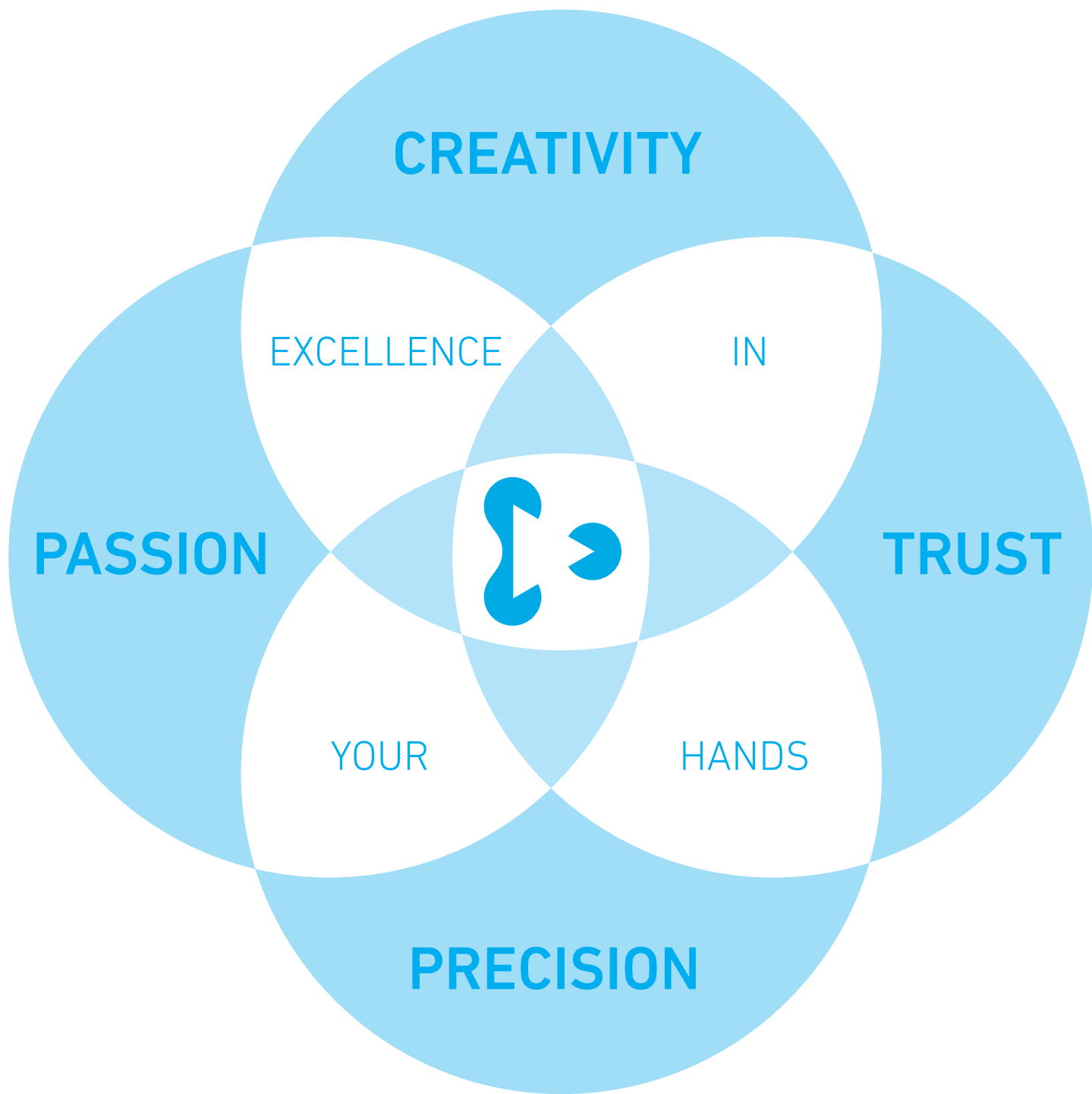
- Blood typing
- Clinical chemistry
- Cryogenic storage
- Histology
- Microbiology
- Specimen collection
- Tissue processing
- Toxicology

Products

- Blood typing tubes
- Caraway blood collection tubes
- Dropper bottles
- Glass vials
- Micro-hematocrit tubes
- Natelson blood collection tubes
- Pasteur pipettes
- Pellet pestles
- Petri dishes
- Sedimentation tube rack
- Serological pipettes
- Staining dishes
- Tissue grinders
- Tissue vials
- Tube sealing clay
- Westegren ESR tubes
- Wintrobe ESR tubes

Services

- Bar coding identification services
- Critical cleaning services
- Custom configurations
- Surface treatment
- Sterilization



In the United States:

For customer service, call 1-800-766-7000
To fax an order, use 1-800-926-1166
To order online: fishersci.com

In Canada:

For customer service, call 1-800-234-7437
To fax an order, use 1-800-463-2996
To order online: fishersci.ca

