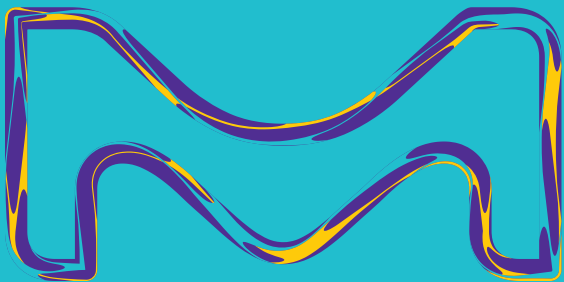


FOOD SAFETY TESTING

Your trusted partner in quality and
regulatory compliance for food applications.



WE ARE A LEADER IN FOOD SAFETY

The Life Science business of Merck KGaA, Darmstadt, Germany brings together the world-class products and services, innovative capabilities, and exceptional talent of Merck and Sigma-Aldrich, to create a global leader in the life science industry. We operate as “Merck”.



Our expertise in the food industry

We provide dependable, complete packages that address your food and beverage testing needs throughout the entire workflow.



Bringing wholesome and safe products to market fast.

Contaminated food can cause severe food poisoning, with potentially serious consequences for those affected. The food industry faces ever increasing regulations in many countries.



What makes us different?

We have developed a range of innovative products and solutions specifically tailored to the needs of food and beverage companies. They provide rapid and objective answers to all current and emerging analytical, microbiological and hygiene issues.



SigmaAldrich.com/industries/food-and-beverage.html

OUR KNOW-HOW YOUR CHOICE

Access our know-how in analytical food testing and
experience your right method

Over 100,000 Products are waiting for you.



WORKFLOW: FOOD

LET'S CREATE SAFE FOOD. TOGETHER.



1 SAMPLE LOG IN



2 PREPARATION

ANALYTICAL SAMPLE PREP

Instrumental Test Kits

- RQflex® 20
- Reflectoquant® Test Strips
- Lab Water systems**
- Milli-Q®

Chromatography sample prep

- Smplicity®, Millex® filters and SPE tubes and vacuum manifold, QuEChERS tubes and shakers

SPME

- SPME fibers



Solvents

- LiChrosolv®

Acids and Bases

- EMSURE® inorganic reagents and solvents

MICROBIOLOGY SAMPLE PREP

Homogenizer

- ESH

Sample dilution

- DiluCult™

Sample enrichment

- GranuCult™



3

ANALYSIS

SAMPLE ANALYSIS

Chromatography

- HPLC, UHPLC and GC Columns

Thin Layer

Chromatography

- TLC Plates

Lab Water systems

- Milli-Q®

Titration

- Titripur®, Titripac®

Disinfection residue checking

- MQuant™ test strips
- Reflectoquant™ strips
- Move colorimeter and test kits

Spectrophotometry

- Spectroquant® spectrophotometers, test kits

Karl Fischer reagents

- Aquastar™

Solvents

- LiChrosolv®

Acids and Bases

- EMSURE® inorganic reagents and solvents

MICROBIOLOGY SAMPLE ANALYSIS

Analytical air monitoring

- MAS-100®, MAS-100 Eco®

Surface monitoring

- Contact plates and MVP ICON®

Rapid pathogen detection

- Assurance GDST™ and PIPETMAX®

Ready-to-use culture media

- ReadyPlate™

Dehydrated culture media

- GranuCult™ Media

Lab Water Systems

- Milli-Q®



4

RESULT INTERPRETATION

Microbial identification

- ChromoCult® agar plates



5

QA SUPPORT

Supporting Documentation

- Certificates of analysis, Safety data sheets and Validation Guides, Milli-Q System Validation

Standards and Certified Reference Materials

- Vitroids™, Lenticule®

Pathogen Testing Solutions



Bacillus cereus



Campylobacter



Clostridium perfringens



E. coli



Enterobacter sakazakii



Listeria and *L. monocytogenes*



Legionella



Salmonella



Staphylococcus aureus



Vibrio cholerae



Rapid Pathogen Testing



Learn more at:

MerckMillipore.com/pathogen-and-spoilage-testing

Environmental Monitoring Solutions

Hygiene Monitoring



Active air monitoring systems



Passive Air Monitoring



Surface and personnel monitoring solutions



Learn more at:
MerckMillipore.com/environmental-monitoring

Quality Control Solutions

Agar plates and dehydrated culture media



MC-Media Pads



SimPlate® tests



Certified Reference Microorganisms



*Photo courtesy of Public Health England



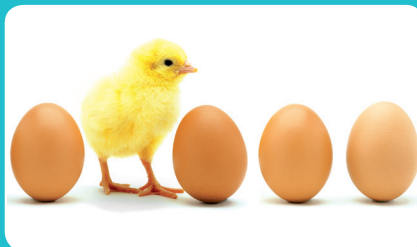
Learn more at:
MerckMillipore.com/quality-controlled-solutions

Chemical Analysis

Applications



Pesticides and Metabolite Residues



Toxins



Veterinary Drug Residue



Adulterants



Processing/Packaging Contaminants



Standards, Reference and Certified Reference Materials

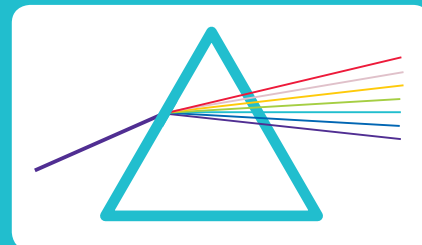
Techniques



Titration/KF Residues



GC/GC-MS



ICP-MS/AAS



HPLC/LC-MS



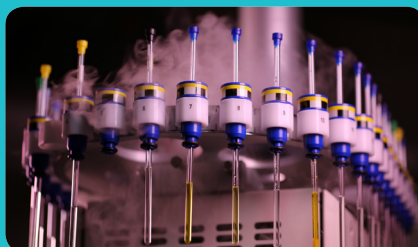
TLC/MS



Sample Prep



Mobile Laboratory



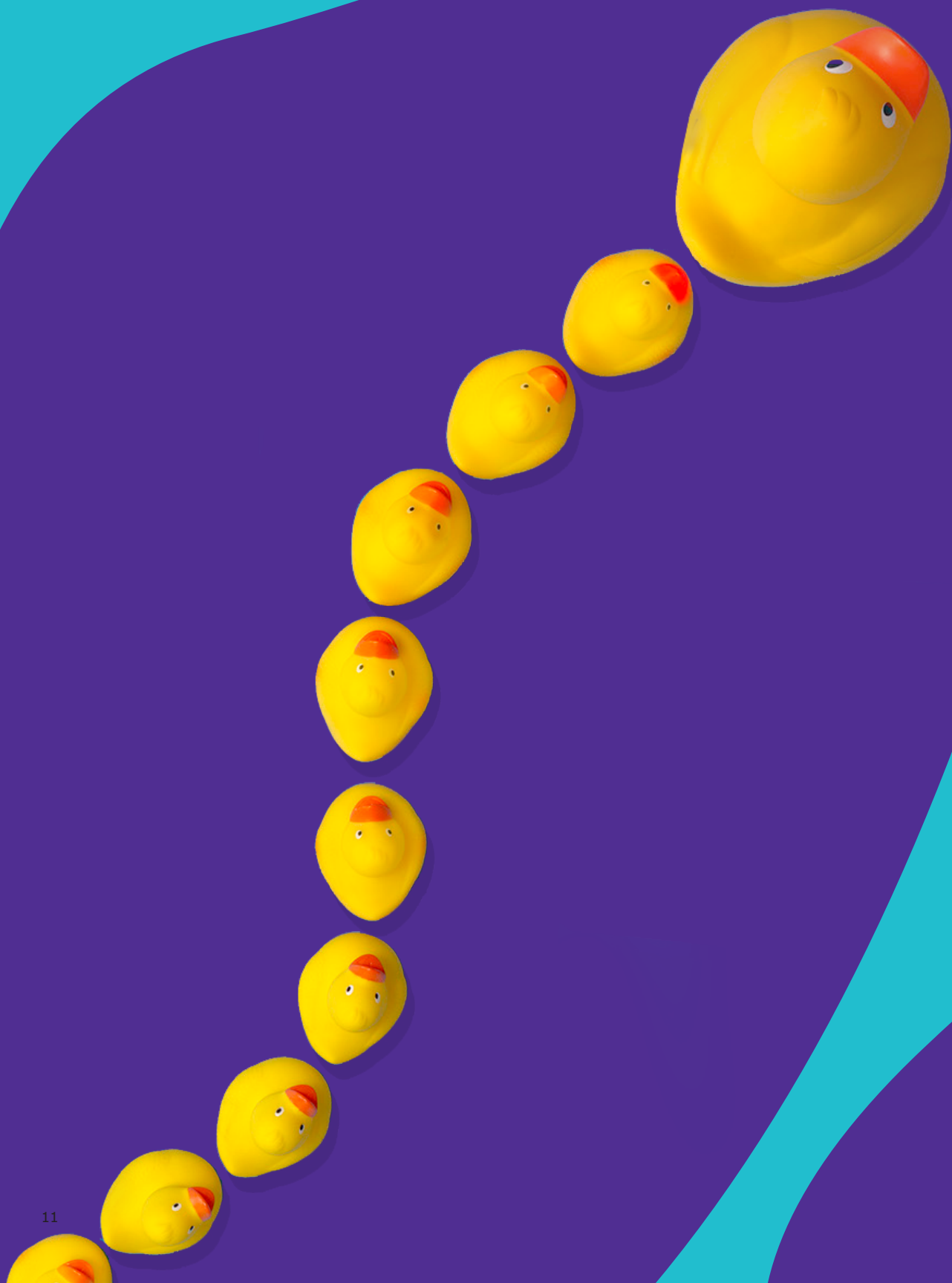
qNMR

Pesticides

Food & Cosmetic Components

Food Matrix

Amino Acid, Peptides & Protein Standards



Are you ready to start testing?

Services

Our Services support our customers in the food and beverage industry throughout the entire lifecycle of analytical testing in order to ensure optimum performance and regulatory compliance. Regardless of product, we offer a variety of services including:

- Validation services
- Application services
- Customer training
- Maintenance and repair



Partnering with us Mitigates Supply Chain risk

We have developed a full range of e-commerce services designed to enable greater spend control. If you're looking to reduce inventory, automate payments, increase procurement fiscal control and/or reduce costs - we can tailor a convenient and cost saving e-solution to fit your needs.

Discover how our website is making it easier for you to stay productive and conduct your daily activities in a more efficient manner.

SigmaAldrich.com/united-states/ordering/e-Commerce-Solutions

We strive to ensure that your equipment is performing at its best, in compliance with regulations, by offering top notch training and support with best-in-class practices and the most advanced technologies.

Let us be your preferred partner for analytical testing solutions and services as microbiology and regulatory experts.

To place an order or receive technical assistance

In Europe, please call Customer Service:

France: 0825 045 645

Germany: 06151 3599 499

Italy: 848 845 645

Spain: 901 516 645

Switzerland: +41 52 630 72 72

United Kingdom: 0870 900 4645

For other countries across Europe, please call: +44 (0) 115 943 0840

Or visit: [MerckMillipore.com/offices](https://www.MerckMillipore.com/offices)

For Technical Service visit: [MerckMillipore.com/techservice](https://www.MerckMillipore.com/techservice)

MerckMillipore.com

Merck KGaA
Frankfurter Strasse 250
64293 Darmstadt, Germany

