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food safety

is more than a challenge.

It's a mission.

Our measure is your success.

products | applications | software | services



Agilent Technologies

A complete technology portfolio.

With industry-leading, Agilent reliable instrumentation, quality-certified consumables and easy-to-use software solutions, we can give you higher confidence in your results, increase your productivity and lower your cost per analysis. And with an extensive, hands-on understanding of the fast-changing food safety marketplace, we can also help you navigate the maze of regulatory issues and approved methods.

Agilent offers today's widest range of solutions for food safety analysis, both for target and non-target compounds. Our technologies include:



GC and GC/MS

High sensitivity detection of volatile compounds, or other compounds that can be converted to semi-volatile derivatives. An unbeatable combination of performance and reliability.



LC, LC/MS and LC/MS/MS

Speed, resolving power and simplified sample prep, for sensitive target compound analysis and better identification of unknowns. Agilent 1200 Rapid Resolution LC reduces run times to seconds; TOF, Q-TOF, QQQ and Ion Trap MS systems combine best-in-class performance with 24 hours a day, 7 days a week reliability.



ICP-MS

The new standard for high productivity elemental analysis. Rapid multi-element analysis at trace levels, with unmatched matrix tolerance and the ability to remove interferences.



2100 Bioanalyzer and Lab-on-a-Chip Bioassays

Accurately and reproducibly measures protein or nucleic acid contents of a 1 μ L sample for food speciation, processed food, food identification, GMO testing and allergen testing.

Whatever you're looking for in your food safety analysis, Agilent can help you.

Residues

Pesticides in fruits and vegetables
Veterinary drugs in meat and fish
Hormones in plants and meat
Residues in animal feed

Contaminants

Mycotoxins
Heavy metals
Food allergens
Acrylamide
PAHs
PFOA and PFOS
PCB's

Additives and Natural Products

Flavors
Colorants
Vitamins and minerals
Sugars
Fats and trans fats
Food supplements

Other Testing

Origin and adulteration
Nutritional labeling accuracy
Bioactivity in functional foods
Food and feed QA/QC

You can download information on these and other food safety applications at: www.agilent.com/chem/FoodSafety