

Automate your wet chemical analysis

Thermo Scientific Gallery discrete analyzers and
Thermo Scientific Gallery system reagents



Food, beverage, drinking, industrial, and
environmental water applications

Simplified wet chemical analysis with walkaway efficiency

The Thermo Scientific™ Gallery™ discrete analyzers can help growing laboratories perform food and beverage analysis, and environmental water analysis by automating labor-intensive and time-consuming multparameter wet chemical analysis. The high throughput Gallery platform together with ready-to-use system reagents offers the highest flexibility with walkaway efficiency.

For growing laboratories that perform routine food and beverage analysis while experiencing increased demand for routine analytical services, the Gallery discrete analyzers automate labor-intensive and time-consuming malt, beer, wine, juice, feed water, and waste water testing in compliance with several regulatory methods such as ISO, AOAC, ASBC, OIV, and IDF. The Gallery discrete analyzer automates simultaneous determination of multiple analytes, bitterness, organic acids, sugars content, pH, and free and total sulfur dioxide from a single sample—offering walkaway efficiency.

Food and beverage applications

Organic acids	Feed water and waste water	Process critical parameters
Acetic acid Ascorbic acid Aspartic acid β-Hydroxybutyric acid Citric acid Color D-Gluconic acid D-Isocitric acid D-Lactic acid D-Malic acid Formic acid* Gluconic acid Glycolic acid L-Ascorbic acid L-Lactic acid L-Glutamic acid L-Malic acid Oxalic acid pH Succinic acid Tartaric acid	Free and total cyanide* Iron Nitrate Nitrite Phosphate pH and conductivity Total Kjeldahl Nitrogen (TKN)* Total Oxidizable Nitrogen (TON) Total phenol* Total phosphate* Alkalinity* Total Hardness Chloride Sulfate	Acetaldehyde Alcohol by volume (low) Alpha-Amino Nitrogen (NOPA) Alpha amylase Beta glucan Bitterness* Cholesterol Ethanol Glutamate Glycerol Hesperidin Hydroxymethylfurfural Hydroxyproline L-Asparagine Total polyphenol* Total protein Urea
Titration	Cations	Sugars
Free and total SO ₂ Total acidity*	Ammonia Calcium Copper* Magnesium Potassium	D-Fructose D-Glucose D-Mannitol* D-Sorbitol / Xylitol* Lactose* Sucrose

*Third party reagents.

The Gallery discrete analyzers are ideal for environmental, industrial, agricultural, and oceanographic laboratories analyzing a wide variety of water sample types and matrices. The discrete analyzers provide an integrated platform for two measurement techniques, photometric and electrochemical (ECM), which can be run in parallel.

Advantages are the low ppb level detection limits, high accuracy and high throughput. Typical application areas include drinking water, wastewater, ground water, soil, and surface water testing as per USEPA, ASTM, DIN and other regulatory methods.

Drinking water, industrial water, and waste water applications

Anions	Corrosion inhibitors	Cations and metals	Basic water analysis
Bromide Chloride Fluoride Nitrite Nitrate Sulfide* Sulfate Sulfite Thiosulfate*	Ammonia Molybdenum Nitrite Phosphate Zinc	Aluminum* Ammonia Boron* Copper* Hexavalent chromium Manganese* Molybdenum Total iron Zinc	Alkalinity* COD Total hardness
Environmental	Scaling	Nutrients	Measurements
Aluminum* Boron* Free and total cyanide* Manganese* Total Kjeldal Nitrogen (TKN)* Total phosphorus Total phenol* Total Oxidizable Nitrogen (TON) Sulfide Urea	Calcium Magnesium Silica	Ammonia Nitrite Nitrate TKN TON Total phosphorous	pH and conductivity

*Third party reagents.

Other analytes currently performed using a flow injection analyzer, or segmented flow analyzer, can be transferred to a Gallery discrete analyzer. [Contact](#) our product specialist to discuss your applications.

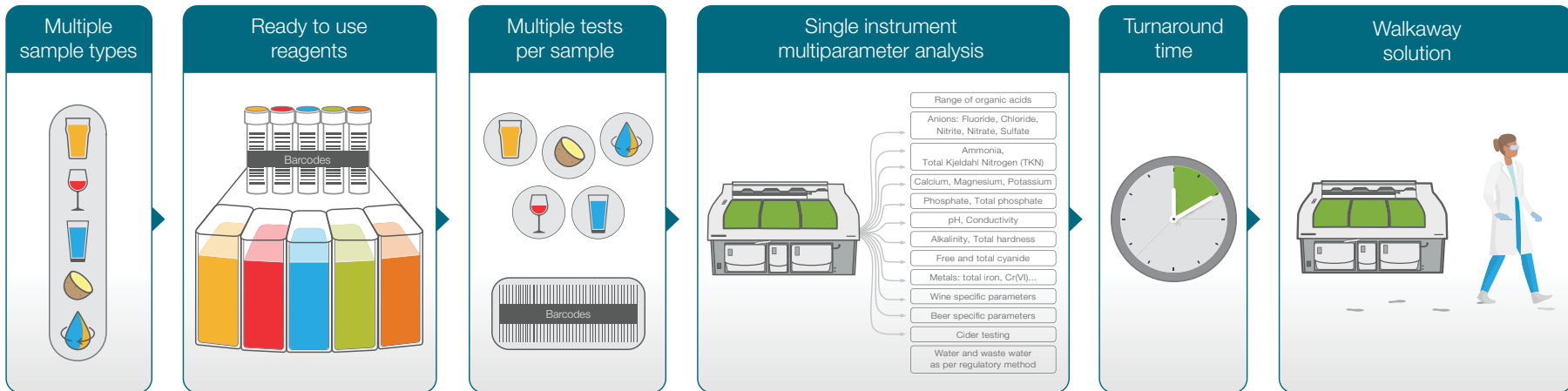


Ready-to-use reagents and assay kits

Eliminate reagent preparation and save valuable laboratory time with the ready-to-use Thermo Scientific™ Gallery™ System Reagents (enzymatic and colorimetric) designed for the Gallery discrete analyzers. The volume-optimized system reagents minimize reagent waste, while the continuous monitoring of volume, lot, and expiration dates provide real-time reagent information. The unique discrete cell technology allows laboratories to measure multiple analytes simultaneously while reducing total analysis and operator time. The barcode reader improves traceability, and the distinctive low volume cuvette design accommodates small reagent volumes, and as a result, reduces reagent costs.



Multiparameter analysis – optimized workflow with the Gallery discrete analyzer



Find out more at thermofisher.com/discreteanalysis