



## Meet your new lab partner

Faster, easier, and safer wet chemical analysis with  
Thermo Scientific Gallery and Gallery Plus discrete analyzers

# Hassle-free wet chemical analysis

Analysis laboratories are busy hubs of activity, generating critical insights that power industries, improve product quality and protect the environment. Yet, the traditional wet chemistry techniques that many laboratories rely on are time-consuming, involve multiple manual steps, require handling of harsh chemicals, and need time-intensive expert monitoring.

## There is another way

The Thermo Scientific™ Gallery™ and Thermo Scientific™ Gallery™ Plus Discrete Analyzers take the hassle out of wet chemical analysis with true walkaway solutions, automated analysis, and highly reproducible results. Discover these analyzers as your perfect partner for the full range of environmental, food and beverage, and enzyme analysis.

## Gallery and Gallery Plus discrete analyzers

- **Faster** – run up to 350 parameter tests per hour and up to 67 pH and conductivity tests in parallel.
- **Easier** – load samples and pre-prepared reagents, select the program and walk away, while the Gallery and Gallery Plus discrete analyzers do all the work.
- **Safer** – ready-to-use reagents mean no chemical handling. Use only  $\mu\text{L}$  sample volumes and mL reagent volumes for less waste and reduced costs.



# Faster results and more streamlined analysis

With Gallery and Gallery Plus discrete analyzers, faster results also mean cost savings and easier, more streamlined analysis:

- The **long-life Xenon flash lamp** not only lasts longer than a standard halogen lamp but also reduces electricity consumption.
- Our **disposable cells** ensure no carryover or cross-contamination for trusted results every time and no lengthy preparation steps.

- **Automated technology** means minimum maintenance cycles and reduced downtime, eliminating hidden operating costs.
- **Easy-to-use functionality** means minimal training requirements and operation by a single technician.
- **United States Environmental Protection Agency (U.S. EPA) compliant software**, optimized for water testing.

**The result: reduced time and operating costs and a low cost per analysis.**



## Unique cell technology

The Gallery and Gallery Plus discrete analyzers feature unique cell technology for simultaneous measurement of multiple analytes.

## Run 350 tests an hour

Load up to 108 samples and 42 reagents, and run up to 350 tests per hour.

## Save time with parallel photometric and electrochemical measurement

With the optional electrochemical measurement (ECM) module, run up to 60 electrochemical pH and conductivity tests in parallel with standard photometric analysis.

## Add new samples mid-cycle

New samples can be added for the next cycle without disrupting current measurements, delivering even greater time savings.

## No wasted warm-up time

Automated start-up processes mean no warm-up delays, and automated shut-down processes save time and energy.

## Reduce total analysis time

Automation means reduced total analysis time, decreased operator interventions, and faster results.

# Gain time with walkaway solutions

The benchtop Gallery and Gallery Plus discrete analyzers are designed to reduce analyst input, giving you time to walk away and get on with value-added work. Each self-contained, automated system can be installed for first-time use in a matter of hours and is fully compatible with Thermo Fisher Scientific's wide range of ready-to-use reagents, including enzymatic and colorimetric options.

Simply load the samples, insert the reagent cartridges and leave the analyzer to do its work for up to three hours of walkaway time.

Track and trace samples and reagents easily with simple barcode scanning. Every data point is automatically transferred to your laboratory information management system for easy analysis and full traceability.

Save even more time when it comes to maintenance. Simple service programs run in mere minutes so your analysis doesn't stop.



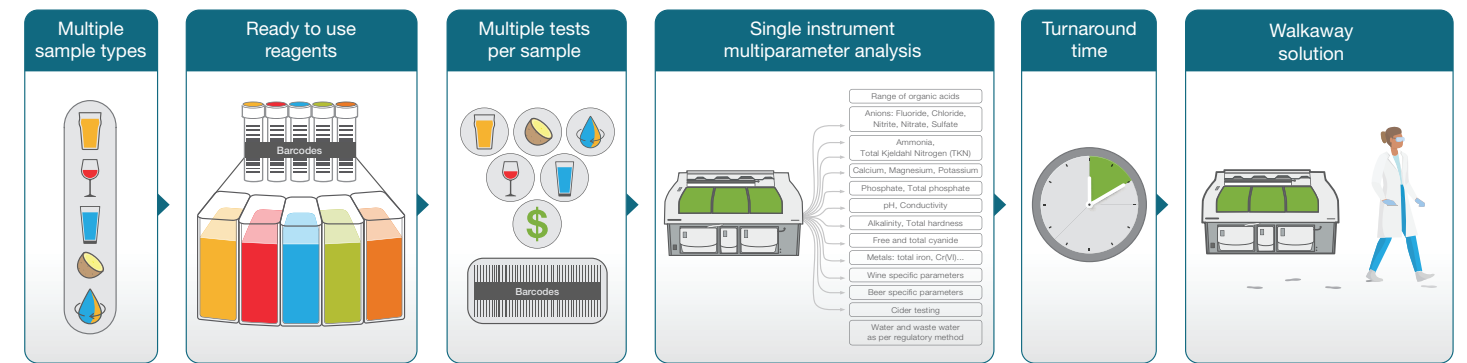
Watch video:  
Automate your Wet  
Chemical Analysis

# Trusted results from an optimized workflow

With the Gallery systems, you achieve faster, safer, and easier results in an optimized workflow with:

- **Flexibility** – with more than 50 environmental, food and beverage, and enzyme analysis applications established.
- **Reliability** – used and trusted by laboratories all over the world.
- **High accuracy and reproducibility** – resulting from automation and precise reagent recipes.
- **Ultra-low parts per billion detection** – fully process even the most demanding samples.

Multiparameter analysis - optimized workflow with the Gallery discrete analyzer



# Safer operation with reduced waste

In the laboratory, safety should always be a top priority, and with the Gallery systems, it now means no more harsh chemical handling. Each ready-to-use reagent is pre-measured for easy insertion, and with low mL volumes, waste streams and costs are dramatically reduced.

In fact, the Gallery and Gallery Plus discrete analyzers use up to 50 times less reagent than continuous flow analysis and 15 times less than manual methods.

Samples are contained in discrete cells to ensure no carryover or contamination, and with only  $\mu\text{L}$  volumes needed, waste streams are further reduced.



# Delivers the full range of environmental, food and beverage, and enzyme analysis testing parameters

The Gallery and Gallery Plus discrete analyzers have been developed with a wide range of applications in mind. Every system is fully compliant with the latest industry regulations, including:

- **Food and beverage regulatory methods**
  - International Organization for Standardization (ISO)
  - Association of Official Agricultural Chemists (AOAC)
  - American Society of Brewing Chemists (ASBC)
  - International Organization of Vine and Wine (OIV)
  - International Dairy Federation (IDF)
- **Environmental regulations for drinking water, wastewater, groundwater, soil, and surface water analysis**
  - United States Environmental Protection Agency (U.S. EPA)
  - American Society for Testing and Materials (ASTM)
  - Deutsches Institut für Normung (DIN)

## Access the full range of testing parameters

### Drinking water, industrial water, and wastewater applications

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

\* third party reagent

### Food and beverage applications

Organic acids	Feed water and wastewater	Process critical parameters
Acetic acid	Free and total cyanide*	Acetaldehyde
Ascorbic acid	Iron	Alcohol by volume (low)
Aspartic acid	Nitrate	Alpha-Amino Nitrogen (NOPA)
B-Hydroxybuturic acid	Nitrite	Alpha amylase*
Citric acid	Phosphate	Beta glucan
Color	pH and conductivity	Bitterness
D-Gluconic acid	TKN*	Cholesterol
D-Isocitric acid	TON	Ethanol (Low)
D-Lactic acid	Total phenol*	Glycerol
D-Malic acid	Total phosphate*	Hesperidin*
Formic acid*	Alkalinity*	Hydroxymethylfurfural*
L-Ascorbic acid	Total Hardness	Hydroxyproline*
L-Lactic acid	Chloride	L-Asparagine
L-Glutamic acid	Sulfate	Lipase
L-Malic acid		Total polyphenol*
Oxalic acid		Total protein
pH		Urea
Tartaric acid		

Titration	Cations	Sugars
Free and total SO <sub>2</sub>	Ammonia	D-Fructose
Total acidity	Calcium	D-Glucose
	Copper*	D-Mannitol*
	Magnesium	D-Sorbitol / Xylitol*
	Potassium	Sucrose
		Lactose/Galactose
		Lactose/Glucose
		D-Glucose + D-Fructose + Sucrose
		D-Glucose + D-Fructose

### Detergent and enzyme applications

Process critical parameters
Alpha amylase
Lipase

\* third party reagent

# Two systems with a world of benefits

Choose between the Gallery and Gallery Plus discrete analyzers to meet your capacity requirements, for easy, automated analysis of a wide range of analytes.



Make your choice with  
our Gallery systems  
selection guide



	<b>Gallery discrete analyzer</b>	<b>Gallery Plus discrete analyzer</b>
Total capacity	Up to 200 photometric tests per hour	Up to 350 photometric tests per hour
Sample capacity	Maximum of 90 using five 9- or 18-position sample racks and one 6-position reagent rack	Maximum of 108 using six 9- or 18-position sample racks
Reagent capacity	Maximum of 30 using one 9- or 18-position sample rack and five 6-position reagent racks	Maximum of 42 reagent positions
Walk-away time	Up to 2 hours	Up to 3 hours
Water consumption	1.5 liters per hour	2.5 liters per hour
Dimensions	75 cm W × 70 cm D × 62 cm H (closed) 75 cm W × 70 cm D × 130 cm H (open) 27.5 in W × 27.6 in D × 24.4 in H (closed) 27.5 in W × 27.6 in D × 57 in H (open)	94 cm W × 70 cm D × 62 cm H (closed) 94 cm W × 70 cm D × 130 cm H (open) 37 in W × 27.6 in D × 24 in H (closed) 37 in W × 27.6 in D × 51 in H (open)
Weight	85 kg (187 lbs)	110 kg (242 lbs)
Additional features	Continuous access to samples, reagents, and cuvettes without interrupting the test cycle. Spectral range from 340-880 nm with different filter configurations available. Bi-directional LIMS connection available. Optional electrochemical unit available for conductivity and pH measurements.	

Find out more at [thermofisher.com/discreteanalysis](https://thermofisher.com/discreteanalysis)