

## GENERAL CATALOGUE









# INSTRUMENTS

Metrohm . Anton Paar . Buchi  
Julabo . Sartorius . IKA  
Thermo Scientific . Atago . Lovibond  
Merck Millipore . PerkinElmer





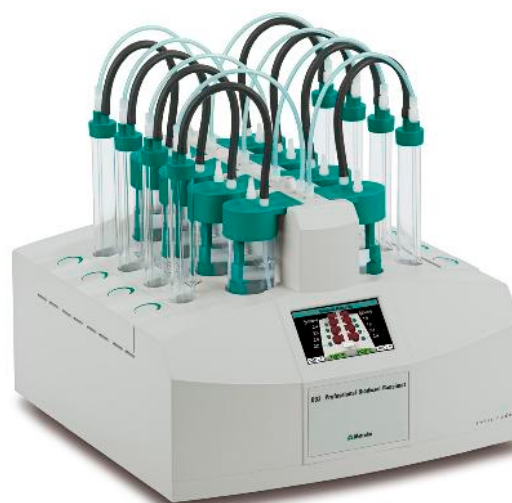
## pH/Ion Measurement

A new generation of meters for pH and conductivity measurement.



## Stability Measurement

The ideal equipment for Oxidative stability of edible fats and oils and Development of antioxidants application.



## Ion Chromatography

For Determination from ppt to percent ranges with total accuracy and complete traceability.



## Titration

Fully automatic and total solution for Titration application which can be removed for routine work.







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## Polarography, VA, CVS

Trace analysis and metal speciation with voltammetry is superior to other methods in many ways.

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## Potentiostats-Autolab

We offer a wide range of electrochemical applications, as well as modular extensions, software and accessories.

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## NIRSystem

It is handheld Raman spectrometers that available with Orbital Raster Scan (ORS) technology.



## Process Instrument-Applikon

For field of on-line and at-line analysis to perform Titration, Karl Fischer, Colorimetry, Digestion and Standard additions.



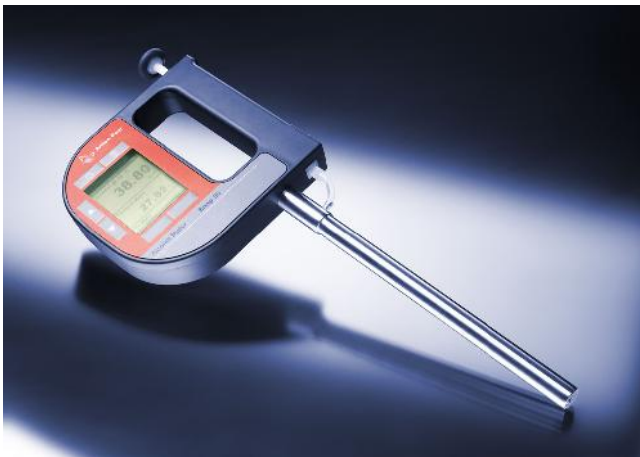


## I. Portable Instrument



### Portable Density Meter

Measures the density and concentration of your sample.



### Portable Alcohol Meter for Distillates

Measures distillates in all strengths from pure distillates to samples taken within seconds.

## II. Laboratory Instrument



### Alcolyzer Beer Analyzing System

It is a high accurate beer analysis system which determines the alcohol content of all types of beers, beer mixtures, ciders, etc.



### CboxQC™ Combined CO<sub>2</sub> and O<sub>2</sub> Meter

CboxQC™ is the precise combined CO<sub>2</sub> and O<sub>2</sub> meter, available both, In-lab and At-line version.



### Laboratory Density Meters: DMA Generation M

The most accurate density meter on the market and is ideal for numerous fields of application.

## II. Laboratory Instrument



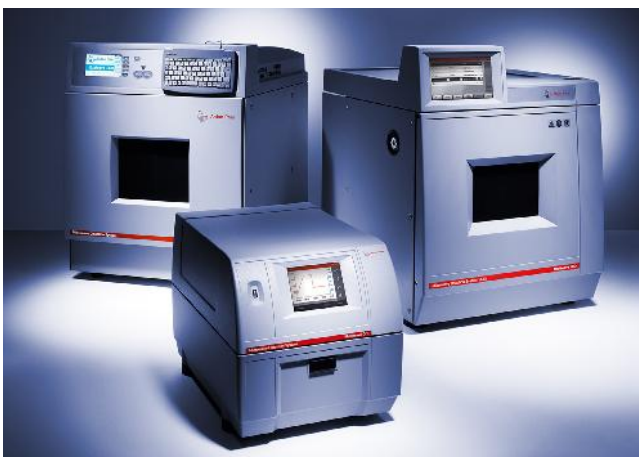
### Density and Sound Velocity Meter

Combines the world's most accurate density measurement, highly accurate sound velocity measurement.



### Laboratory refractometers

Abbemat refractometers measure the refractive index and concentration of liquids, gels and solids.

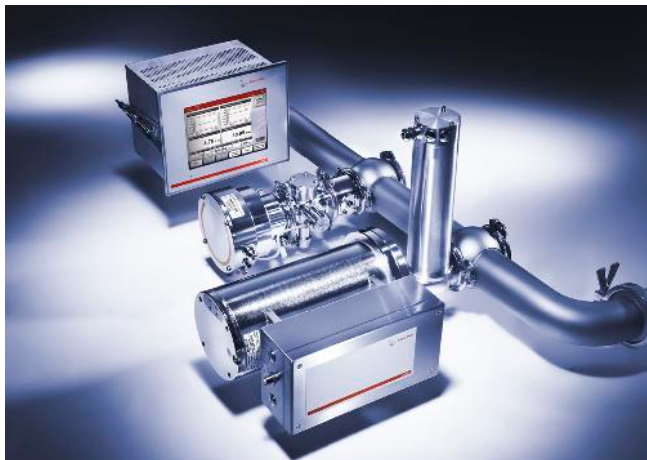


### Microwave

High-end, easy-to-operate and highly efficient microwave technology for laboratories worldwide.



## III. Process Instrument



### Inline and Online Beverage Analyzer

It is continuous, accurate and safe measurement of °Brix, % Diet concentration, CO<sub>2</sub>, alcohol, sugar inversion, extract, etc.



### CO<sub>2</sub> Sensor, The fastest CO<sub>2</sub> analyzers on the market

Highly accurate In-Line CO<sub>2</sub> sensor for the continuous monitoring and control of CO<sub>2</sub> content during beverage production.



### Evaluation Units and Analysis Software

Ideal for the continuous measurement of density, sound velocity, concentration and other parameters of liquids in industrial processes.



## Laboratory Evaporation Solutions

Outstanding Evaporation Solution for R&D  
and Quality Control.

## Industrial Evaporation Solutions

As the market leader in industrial  
evaporation, we offer specific solutions  
for industrial evaporation.

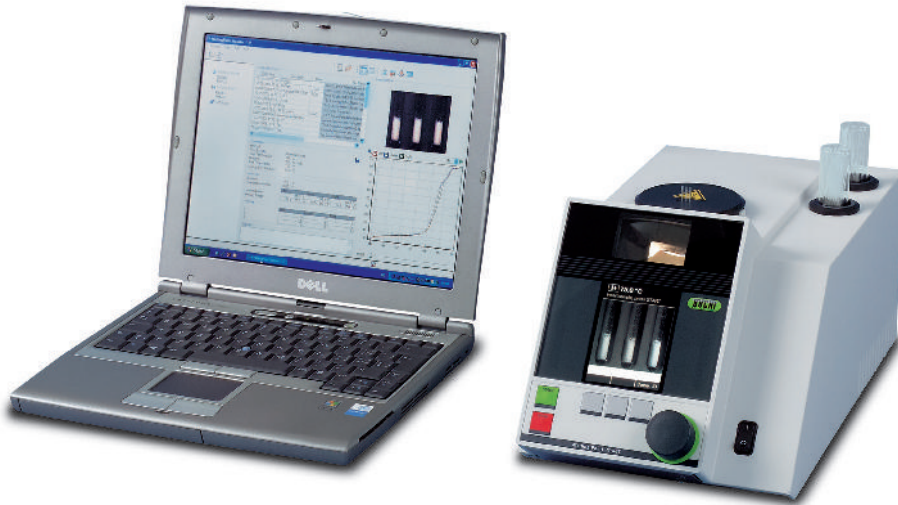


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## Melting Point

For determination melting and boiling points with high accuracy, meeting highest regulatory standards.

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## Spray Drying Solutions

Reliable and versatile solutions for Spray Drying and Microencapsulation cover a broad range of applications.

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## Parallel Evaporation Solutions

Offers a variety of accurate and proven solutions covering different industries for R&D and Quality Control application.



## Preparative Chromatography Solutions

Designed to fulfill your changing needs whatever the complexity or the scale of your purification process is.

## NIRSolutions™

NIR analysis offers rapid, affordable and precise results for enhanced quality and higher productivity.



## Extraction Solutionst

It is designed classical determination of fat, as well as for residue and contaminant analysis in various matrices.



## Kjeldahl & Dumas

For protein determination by Kjeldahl, reflux digestion with aqua regia, or direct distillation of steam-volatile compounds.





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## Refrigerated - Heating Circulators

Technology from  $-95\text{ }^{\circ}\text{C}$  to  $+200\text{ }^{\circ}\text{C}$ , for temperature application to external with simultaneous operation in the bath tank.

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## Cryo-Compact Circulators

For working temperatures from  $-40\text{ }^{\circ}\text{C}$  to  $+200\text{ }^{\circ}\text{C}$ , it offers compact refrigerated/heating circulators.

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## Heating Immersion Circulators

Working temperatures from +20 °C to +300 °C, with attachment clamp or extendable bridge for any bath tank.

## Temperature Control Systems

Advanced technology enable highly dynamic temperature control systems to achieve rapid heat-up and cool-down.



## Recirculating Coolers

JULABO recirculating coolers can handle virtually any cooling requirements in laboratories or industrial environments.

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## Water Baths & Shaking Water Baths

High Quality and Durable,  
ideal for routine applications.

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## Visco Baths

For highly precise temperature  
applications in the bath tank.

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## Beer Forcing Test Bath

For highly precise temperature  
applications in the bath tank.

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## Analytical Balances

Weigh up to 520 g maximum with 0.1 or 0.01 mg resolution. Availability in various models to suit your application.

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## Precision Balances

From 150 g/0.001 g to 70.2 kg/0.1 g, it features a professional weighing technology at the highest quality level.

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## Ultramicro and Micro Balances

Designed for the smallest samples and high resolutions of up to 0.0001 mg.

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## Pipette Calibration Balances

Fast, user-friendly and portable, Sartorius lab balances are ideal for on-site pipette calibration.



## Weight Sets

The sets are made of highly polished special steel, nickel silver, galvanised brass or aluminium, available 1 g to 50 kg.



## Paint Mixing Scale

It is used everywhere that fast and precise paint mixing is required.



## Moisture Meter

We offer a broad range of moisture meters, from the user friendly basic model to the high end moisture analyser.



## Filtration | Purification

We offer wide variety of filter papers, filter holders, etc, for various quantitative and qualitative analysis.

## Liquid Handling (Pipettes)

We offer the Pipette that is user friendliness and accuracy, as well as their attractive, yet practical design.





## Mixing Machine Product Range

The Mixing equipment are Magnetic Stirrers, Overhead stirrers, and Shakers.



## Mixing Machine Product Range

The Mixing equipment are Magnetic Stirrers, Overhead stirrers, and Shakers.



A 11 basic



M 20



MF 10 basic Microfine grinder drive  
+ MF 10.1 Cutting-grinding head



MF 10 basic Microfine grinder drive  
+ MF 10.2 Impact grinding head



Tube Mill control

## Crushing Machine

Dispersers and Mills for various application areas.

## Heating/Temperating

Hotplates, heating baths, Thermostats.



\* Note: Blocks are not included





## Analytical line

Calorimeters for determining the Calorific values of liquid and solid sample.

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## Magic laboratory Machine

For mixing, dispersing, wet milling and incorporation of powder into liquids.

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# Thermo

SCIENTIFIC



## Niton XL3t XRF Analyzer

The Niton XL3t handheld x-ray fluorescence (XRF) analyzer combines proprietary electronics with an ergonomic design and easy-to-use software, transforming XRF analysis.



## Niton XL3t GOLDD+

Geometrically optimized large area drift detector (GOLDD) technology offers superior performance for light element analysis with the lowest limits of detection and fastest measurement.



## Niton XL2 Series XRF Analyzer

This instrument is for when speed, accuracy, and reliability count, our combination of hardware, software, and direct industry experience helps meet your specific analytical requirements.



## Niton FXL Field X-ray Lab

This elemental analysis lab offers unmatched performance, features, and mobility. Housed in a compact, portable package you can operate virtually anywhere on-site.



## TruScan™ GP Analyzer

The TruScan™ GP Analyzer provides quick, easy to use raw material identification and finished product inspection to screen out counterfeit substances and reduce supply chain risk.



## TruScan™ RM Analyzer

For raw material identification and finished product inspection delivers reliable analysis in seconds, right at the point-of-need, to decrease sampling costs and increase inventory turns.





## Hand-Held Refractometers

Wide variety that pick up the best refractometer depending on the type of sample and its environment.

## Pen Refractometer

Ergonomically designed for one-handed operation with continuous measurement feature.



## Pocket Refractometer

Completely new, redesigned digital hand-held that will change the traditional conceptions of refractometers.

## Digital Refractometers RX

The RX series are the most accurate of ATAGO refractometers programmed with a trusted and advanced algorithm.



## Digital salt-meter

For measuring salt % of dilute solution of soy sauce, ketchup, mayonnaise, Worcester sauce, squeezed juice of pickles, etc.

## Multi-Wavelength Abbe Refractometer

It is for measuring liquids or solids at different wavelengths using interchangeable filters.





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## Clinical Refractometer

This Refractometers used for clinical purposes such as specific gravity of urine, and total protein in serum or plasma.

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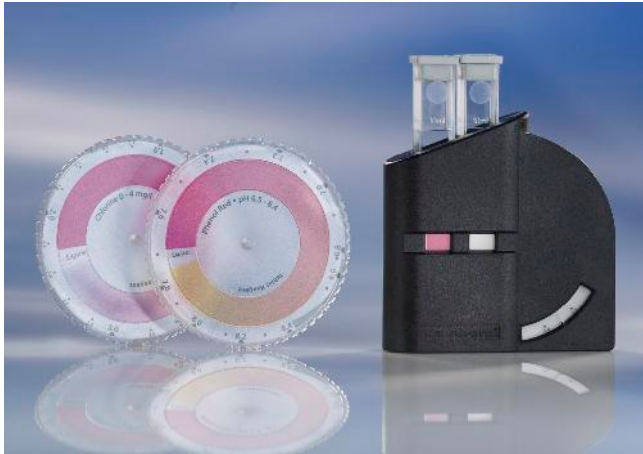
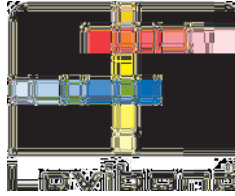


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## Polarimeter

For measuring optical rotation of optically active substances such as saccharide, ascorbic acid, sodium glutamate, etc.

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## Rapid Test

For rapid water testing. Fast, accurate, simple, ready to use.



## Photometry Product Range

Accurate, reproducible results quickly include ease of operation, ergonomic design, compact dimensions and safe handling.



## Flocculation

Testing the efficiency of flocculation or precipitation agents.



## BOD Measurement

A 6 sample system that allows precise measurements of BOD base on the manometric principle.



## COD Setups

The COD setups comprise the photometer, 25 tubes tests for each of the two lower measuring ranges, a reactor for sample digestion and a vial stand.



## Temper Product Range

Avaiable in two models thermostatically controlled incubators and Spark-free cabinets.





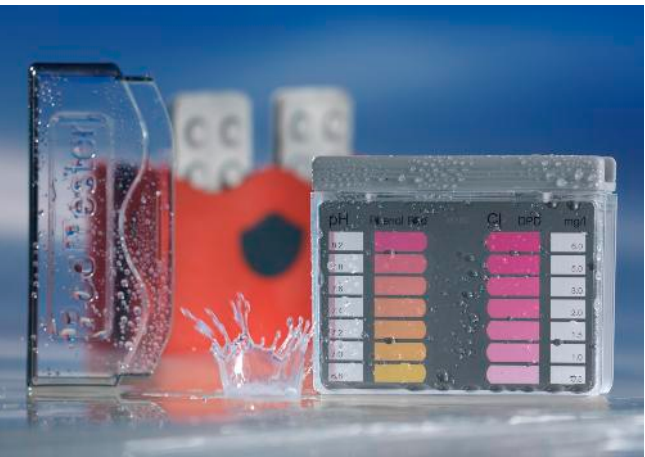
## Turbidity

Designed to allow fast, precise on-site testing.



## Electrochemistry

For measurement of pH, Conductivity, TDS, Dissolved Oxygen and ORP/Redox.



## Pool Products

It is for discerning pool operators and main pool parameters required for balanced water.



## Sterility Testing

Complies with the international pharmacopeias, FDA, the EMEA, the PDA, the TGA and the WHO.

## Bioburden Membrane Filtration System

For over 15 years, an industry set standard for rapid microbiology testing.



## Rapid Microbiological testing

Offer competent support in regulatory compliance to avoid risks and setbacks.





## The Microbiology Workflow EZ-Product Family

Quality Control Laboratory are switching to rapid methods for the detection of microbial contamination.



## Personnel and surface monitoring solutions

A rapid, on-the-spot hygiene detection system.

## Particle Counting Solution

Airborne particle counter detects contamination in air particle in control environments.



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## Active Air Monitoring Solutions

Monitoring the cleanliness and sterilization of the environment.

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## Lab Water Solutions

A range of pure and ultrapure water purification systems (Water Type I, Water Type II, Water Type III).

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## World of Chromatography

An extensive range of high-quality analytical HPLC solutions as well as application support.

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*Infrared (FTIR & IR) Spectroscopy*



*Fluorescence Spectroscopy*



*UV/Vis & UV/Vis/NIR Spectrophotometers*

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## Molecular Spectroscopy

Whatever challenge you face in material characterization, we can partner with you to solve it. UV, UV/Vis, FT-IR, FT-NIR, Fluorescence — we have instruments for every lab and every budget. Our expertise in these technology means you can rely on us.

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*Liquid Chromatography HPLC and UHPLC*



*Gas Chromatography (GC)/Mass Spectrometry (GC/MS)*

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## Chromatography

Whatever your application, requirements, or budget, we have a solution for you. GC, GC/MS, LC/MS, HPLC/UHPLC—you can pick from extensive product lines in all of these technologies, or request an Amel-GC engineered solution.

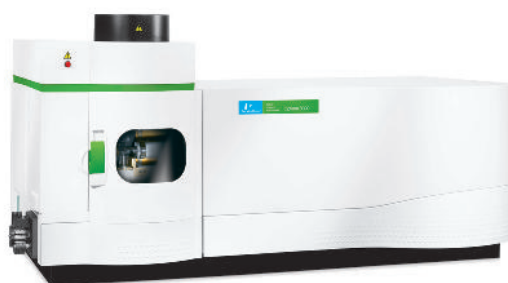
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*Atomic Absorption Spectroscopy (AAS)*



*Inductively Coupled Plasma  
Mass Spectroscopy (ICP-MS)*



*Inductively Coupled Plasma  
Optical Emission Spectrometry (ICP-OES)*

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## Atomic Spectroscopy

Whether you're looking for AA, ICP-OES, or ICP-MS or all these three, you've come to the right place. We are the market leaders in all these technologies, with more than 50 years of innovation in inorganic analysis.

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# CHEMICAL AND FOOD NUTRITION

Merck-Chemical , BASF





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## BioMonitoring

A pioneered innovation in microbiology for over 100 years.

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## Ready to Use Culture Media

The latest technology subject to strict quality controls.

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## Dehydrated Culture Media

Manufactured in compliance with the European Directorate for the Quality of Medicines.

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## Solvents

Full range of solvents from research to industrial scale production to quality control.



## Classical Inorganic Analysis

An extensive range of acids, salts, caustic alkalis and special inorganic reagents.

## Safety Products and General Applications

The highest quality standards that make your daily work Safety, simplicity and sustainability.



## Instrumental Inorganic Analysis

A specially tailored range of standards and reagents.



## Products for Microscopy

A portfolio that rich in both diversity and quality covers all requirements.





## Food and Beverage

Offers vitamins, carotenoids, functional ingredients as well as our Dry n-3<sup>®</sup> powder omega-3 fatty acids to the food industry.



## Dietary Supplements:

Offers vitamins, carotenoids, Omevital<sup>™</sup> omega-3 fatty acids and big sellers like Tonalin<sup>®</sup> CLA conjugated linoleic acids to the dietary supplements industry.



## Pharma Ingredients & Services

Has been an expert partner to the pharmaceutical industry for decades with its active ingredients and excipients.









# GLASSWARE

Corning . Hellma





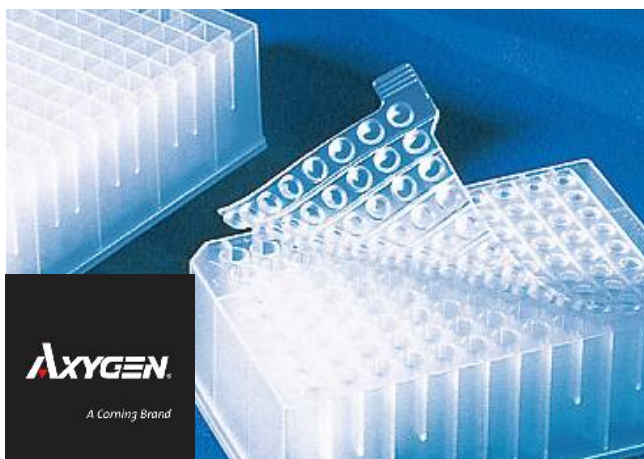
## Corning

We deliver innovative vessels, advanced surfaces and quality media that help you get it right from the start.



## Falcon

Consist of tubes, pipets, and cell culture products, these are designed to used in laboratories worldwide.



## Axygen

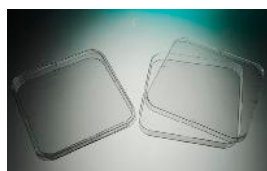
A products and solutions for genomics applications that offer through a wide portfolio of tools.





## Gosselin

Corning's pioneering brand of disposable labware for quality control and microbiology labs in industrial markets.



## Pyrex

For 100 years, Corning has developed special glass for use in both chemical and life science laboratories.



# Hellma<sup>®</sup> Analytics

High Precision in Spectro-Optics



## Cuvette

Cuvettes (Cells) are manufactured from various types of glass generally quartz and optical glass.



## UV/Vis reference materials

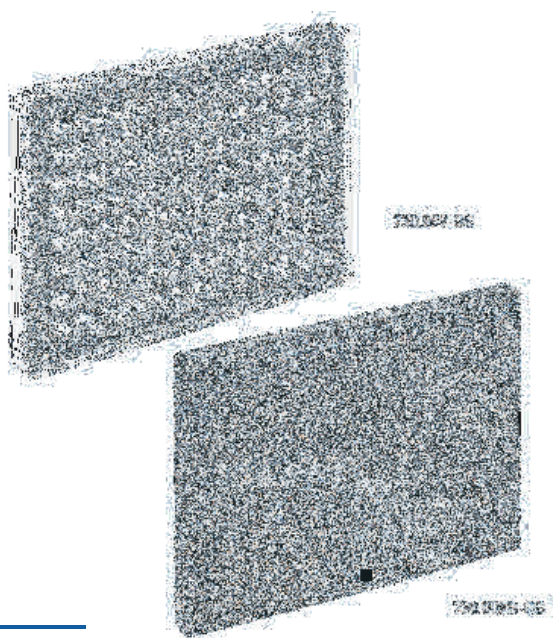
The internationally recognised standards that provide the highest process transparency.





## TrayCell -Photometric

The TrayCell is a fibre-optic ultra-micro cell designed for the UV/Vis micro volume analysis of DNA/RNA and proteins.



## Quartz Microplates

Ideal used in clinical chemistry and pharmaceutical research.

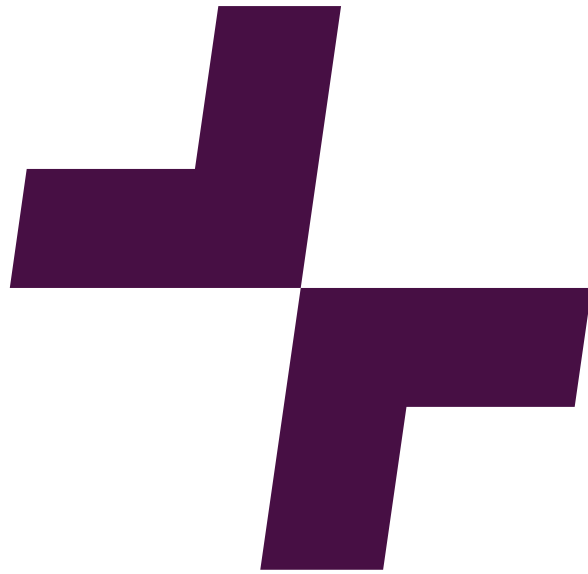


## Optical immersion probes

Designed for increasing process performance, efficiency and stability of online measurements.







# LABORATORY FURNITURE

Products & Services



## Products and Services

Laboratory Design & Consultation

Laboratory Furniture & Accessories

Clean Room & Biosafety Cabinet

Laminar Flow & Safety Cabinet





# LABORATORY FURNITURE

## Products and Services

Laboratory Renovation & Construction

Laboratory Fume Hood & Fume Scrubber

Emergency Shower & Eyewash

Gas Supply & Piping Systems





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