



Product Solutions for
Winery Laboratories



Adelab Scientific was formed in 1986 by Keith Plomer with a view of establishing a local scientific company to supply his many existing customers with high quality laboratory products and services at competitive prices

Today, 32 years on, Adelab Scientific employs eight people specialising in different fields including Chemical Analysis, Chromatography Supplies, Molecular Biology, Winery Laboratory products and General Laboratory products.

We supply and support a large variety of products from local, interstate and overseas suppliers.

With the combined scientific knowledge of our staff you can be sure that you will be understood and looked after for your laboratory and application needs.

Simon Plomer
Manager

Office 08 8234 7955
Mob. 0407 676 370

Keith Plomer
Administration and Sales Support

Office 08 8234 7955
Mob. 0414 558 368

Angelo Karakousis
Customer Service

Office 08 8234 7955

Melissa Clutterbuck
Technical Sales

Office 08 8234 7955
Mob. 0413 947 086

Vanessa Plomer
Dental and Medical Sales

Office 08 8234 7955
Mob. 0424 155 409

Maggie Kazmi
Sales Support

Office 08 8234 7955

Natalie Goldsworthy
Reception and Accounts

Office 08 8234 7955

Frank Portolesi
Goods Receipt & Despatch

Office 08 8234 7955

Product Listing

Balances

- Analytical and top-loading

Centrifuges

- Bench top & Floor Standing

Distillation units

- For SO₂, Volatile acids and Alcohol

Electrochemistry

- pH Meters & probes
- Titrators
- Conductivity Meters
- Dissolved Oxygen

Filtration

- Membrane & Syringe Filters
- Membrane Filtration Equipment
- Vacuum Pumps

Liquid Handling

- Pipettes - single and multichannel
- Bottle-top dispensers

Microbiology Products

- Microscopes
- Laminar Flow Cabinets & Fume Cupboards
- Autoclaves

Refractometers

- Handheld & Digital

Spectrophotometers

- Visible & UV-Vis, Plate readers

Temperature Controlled Equipment

- Hotplates, Magnetic Stirrers, Hotplate/Magnetic Stirrers
- Ovens & Incubators
- Thermo-regulators
- Water Baths
- Freezer for Cold Stability Testing
- Refrigerated Water Circulators

Water Systems

- Water Purification Systems
- Glassware Washers

Miscellaneous

- Bottle Rotators
- Hazardous and Corrosives Storage Cabinets
- Peristaltic Pumps
- Ultrasonic Cleaning Baths
- Hydrometers
- Timers, Thermometers, etc.





**Spectrophotometers,
and Plate Readers**



SP-8001 UV-Vis Spectrophotometer

The compact and easy to use SP-8001 UV/Vis Spectrophotometer was designed to measure wavelength from 190~1100 nm with speed and accuracy. With the split beam optical design the SP-8001 offers enhanced performance only found in high end instruments.

With multiple measurement features, the SP-8001 provides users with different measuring methods such as time scan, kinetics, quantitative and spectrum scan.

The versatile sample compartment can accommodate a complete line of accessory such as thermo fluid cell, flow cell, and 6 cell holder to suit different applications user may encounter.

The SP-8001 also comes with PC-Mate software for user control and store data on their PC.



Visible Spectrophotometers



SP-870

SP-880



The SP-800 series single beam visible spectrophotometers are a low-cost, easy-to-use and reliable general purpose instruments designed for laboratories and educational needs.

The SP-800 series visible beam spectrophotometer comes in 2 versions. The SP-870 stand-alone model measures the traditional absorbance, transmittance and concentration whilst the PC enabled SP-880 model has enhanced measurement features such as spectrum scan, kinetic and quantitative modes.

M-965 Microplate Reader



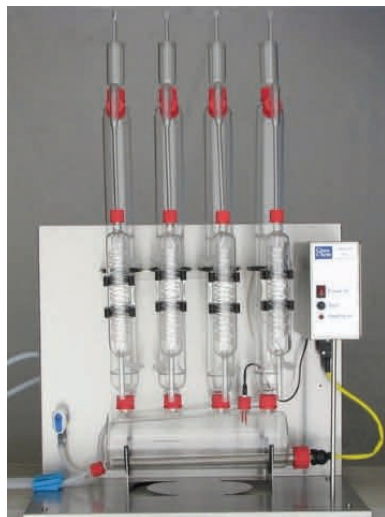
Using high quality optical components the M965 Microplate reader can perform ELISA measurements between the wavelength of 400nm~750nm (or down to 340nm with the model M965+) with end point, two point, and kinetic measurement methods. The M965 is built with an incubator and shaker for temperature sensitive kinetics measurements. To interface with PC the M965 comes with the PC-Mate software to control, store, and transfer the analysis results from the instrument to the PC.

With the versatility and features provided with the M965 Microplate reader, many different applications such as ELISAs / EIAs, enzymatic activity, bacterial growth studies and fast kinetic assays can be undertaken.

Distillation units for SO₂, VA's & Alcohols



GLASSCHEM Compact distillation units for the determination of free and bound sulphur dioxide, volatile acids and alcohols are supplied pre-assembled on stainless steel mounting frames, ready to connect to your existing services and are available in different configurations to suit different laboratories' requirements. All instruments are based on accepted primary methodologies.



Volatile acid stills using distillation are available in 1-place, 3-place, 4-place and 6-place models.

SO₂ stills using the aspiration method are available in 2-place, 4-place, 6-place, 8-place and 12-place models with built-in vacuum pumps and built-in rotameter for air flow control.



Combination stills with various numbers of SO₂, VA and OH stills on a single platform are also available.



Alcohol stills providing the distillation required for subsequent alcohol measurement by industry standard methods. Units are available in 1, 3 and 6-place models. Suitable for standard wines or fortified wines & liqueurs.

A refrigerated recirculating cooler for use in laboratories requiring a source of coolant for condensers, baths, or other heat exchangers.

STANDARD FEATURES:

- Large 3000W heat exchange capacity at 20°C
- Digital thermostat allows easy setting
- Temperature controller with LED display
- Stainless steel construction internally
- Uses CFC-free insulation and environmentally friendly R134a refrigerant
- High capacity circulation pump
- User installation
- Floor standing





BALANCES



METTLER balances have a fine reputation. Analytical balances, reading to 4 or 5 decimal places and precision balances reading to 3 places are available with, or without, built-in calibration weights. There are many models to choose from. Ask for a catalogue.



TITRATORS



Mettler Toledo offers the model **G20** Food & Beverage Analyser, a specialized titrator which incorporates methods pre-determined for titratable acidity and sulphur dioxide concentration, amongst others. A simple end point titrator for basic pH titrations is also offered in the form of the model **DL15**.

Both models use pictogram keys and phone-like keypads and can interface with printers for report production.



REFRACTOMETERS



REFRACTO 30GS. This advanced refractometer can be used as a bench-top or portable instrument with both light and dark coloured liquids, automatically correcting for temperature to any standard you choose. Measuring range is 0-85 Brix% reading to 0.1 Brix% and up to 1100 results with all parameters can be stored in memory for later downloading to your PC or IR printer with the software being included.





The **SevenGo pro™** portable measuring instruments for conductivity, oxygen and pH/Ion analysis feature a blue backlit LCD, IP67 ratings (ingress protection from water for 30 minutes at a depth of 1 metre), ATC, storage for up to 200 GLP data points, and data output from memory to PC via infrared interface in a GLP format.

DISSOLVED OXYGEN

SG6

This professional IP67-rated oxygen meter and probe is suitable for field DO measurements in wine tanks as the probe is fully submersible. The SG6 features manual or automatic air pressure compensation via a built in barometer and a high performance, low profile O₂ sensor for wine bottle measurements with a metal gridded mesh membrane for durability.

Operating temperature range: 0°C - 60°C with resolution: 0.1°C

Measurement range: 0 – 200% with resolution: 0.1 - 1%

The SG6 is supplied in a carry case with shoulder strap including an optical O₂ probe) with an optional 1.8M or 10M cable.



CONDUCTIVITY

SG7

This professional IP67-rated conductivity meter and probe is suitable for cold stability measurements. The conductivity probe features integrated temperature sensor and special tip design to avoid sample carry over.

Operating temperature range: -5°C - 105°C with resolution: 0.1°C

Measurement range: 0.05 – 1000mS/cm with resolution: 0.01

The SG7 is supplied in a carry case with shoulder strap including conductivity probe (InLab®737) with an optional 1.8M or 10M cable.



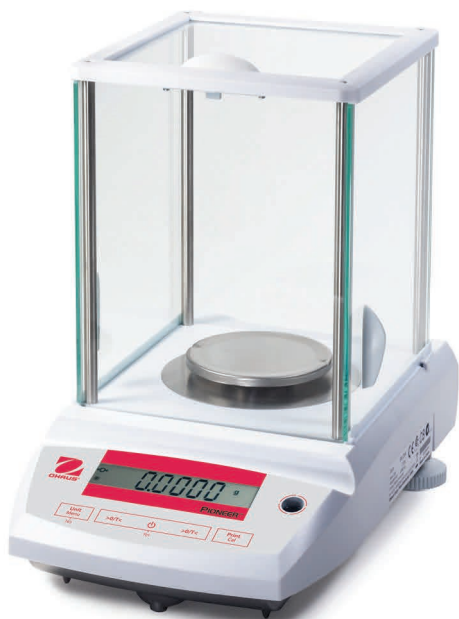
DENSITOMETRY

DENSITO 30PX Using the oscillating tube method, combined with precise temperature measurement, Densito displays automatically temperature compensated results to 20°C. The Densito gives you reliable measurement of distilled alcohol concentration (range: 0-100% v/v, resolution: 0.1), Brix%, °Baume, and temperature compensated specific gravity.

The Densito's features include data memory capacity for up to 1100 results, infrared interface for data transfer to printer and PC, backlit LCD matrix display and a battery life of approx 90 hours, supplied by 2 x AAA batteries.

The Densito is supplied in a carry case including instructions, accessories and a CD.





OHAUS Laboratory Balances -
Analytical and Precision models in different levels of sophistication.

- * Explorer® - highest specification
- * Adventurer® - mid-specification
- * Pioneer® - basic specification



Reliable and Compact Multi-Function Centrifuge
for standard liquid separation applications

Bench Centrifuge -
Frontier™ model 5706
6 x 50mL capacity
Speed 200-6000rpm
RCF 4427xg



Water Analysis Meters—
Bench pH, conductivity, ORP, TDS and salinity
Portable pH, DO, ORP, TDS and conductivity





Syringe Filters

Minisart Features

- Pore size + membrane colour-coded
- Lowest adsorption
- Superior flow rate
- High total throughput
- Low hold-up volume
- Particulate-free
- Minimum extractables
- 100% camera system control
- PVC-free
- Choice of pre-sterilized or non-sterile units
- Gamma irradiated or EO sterilized
- Fully validated, certified quality
- Bidirectional use



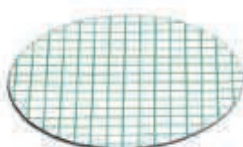
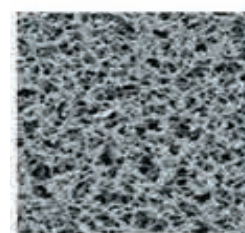
Diam.	Material	Housing	Pore	Syringe fitting	Colour	Sterile	Pack	Oder code
28mm	Glass F	MBS	1.2mm	Male Luer lock	White	No	50	17824-K
28 mm	SFCA	MBS	0.2 µm	Male Luer lock	Blue	Yes	50	16534-K
28 mm	SFCA	MBS	0.45 µm	Male Luer lock	Yellow	Yes	50	16555-K
28 mm	SFCA	MBS	0.8 µm	Male Luer lock	Green	Yes	50	16592-K
28 mm	SFCA	MBS	5.0 µm	Male Luer lock	Amber	Yes	50	17594-K
28 mm	PES	MBS	0.2 µm	Male Luer lock	Royal blue	Yes	50	16532-K
28 mm	PES	MBS	0.45 µm	Male Luer slip	Amber	Yes	50	16533-K
28 mm	PES	MBS	0.2 µm	Male Luer lock	Royal blue	No	500	16532-Q
28 mm	PES	MBS	0.45 µm	Male Luer slip	Amber	No	500	16533-Q

Gridded Membranes

SARTORIUS sterile, gridded membrane filters are widely used for routine microbiological quality control due to the benefits they offer. The membrane filters are ready-to-use and each filter is individually packed, offering highest security whilst saving preparatory time. Each individual envelope is marked with the filter identification and lot number.

Cellulose nitrate filters (mixed cellulose ester) contain a mixture of cellulose nitrate and cellulose acetate, a material which assures effective retention combined with high flow rates and optimal colony growth.

Users in wine laboratories doing cold stability testing benefit from the high flow rates involved.



Pore Size 0.45um Diameter 47 mm Pack Size 1,000 Order Code 11406-47-ACR

Ex-stock delivery





Purified water in your laboratory

Sartorius arium® advance EDI
Ultimate Reliable Electrodeionization



arium® Advance EDI units are
available with 5 or 10 L/hr output



arium® Bagtanks are available
with 20, 50 or 100 litre capacity

Features -

- * **Consistently high quality Type 2 water**
State-of-the-art EDI technology
- * **Optimized water consumption**
Automatic with iJust
- * **Easy-to-use**
Unique glass display with touch function

Summary

The arium® advance EDI provides ASTM Type 2 water of the highest quality. The innovative iJust automatically optimizes water consumption and ensures the conscientious use of our environmental resources. In contrast to conventional water purification systems, the unique touch display with intuitive menu navigation makes it extremely easy to use.

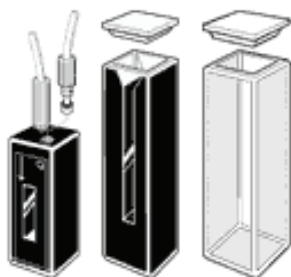
Description

arium® advance EDI delivers up to 10 L/h of consistently high-quality water. The pure water could be stored in arium® bagtank systems which can hold up to 100 L and is virtually microorganism-free if a Sartopore®2 150 end filter is used.

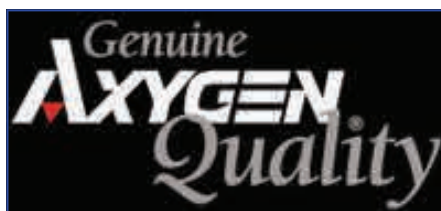
If you have an older water system, please ask about our “trade-out” program

ADELAB ALSO SUPPLY A WIDE RANGE OF REPLACEMENT CARTRIDGES, RO MEMBRANES, UV LAMPS AND PUMPS TO SUIT MOST MILLIPORE® WATER SYSTEMS, ALL SUPPLIED WITH A CERTIFICATE OF QUALITY AND CONFORMING TO ISO9001 REQUIREMENTS. YOU WILL BE PLEASED WITH THE PRICES.

PLEASE ASK FOR MORE INFORMATION



STARNA Type 1 standard rectangular macro cuvettes and Type 9 semi-micro cuvettes are the most common cells used in analytical chemistry. The volume of a semi-micro cell is approximately 40% of an equivalent path length standard rectangular cell. PTFE lids are supplied with all standard path lengths.



ADELAB SCIENTIFIC supply the range of **AXYGEN** plastic ware which includes micro-plates, pipette tips, centrifuge tubes and many other consumable items.



Adelab now have a range of optically clear 96well polystyrene Eliza plates from AXYGEN. These plates allow users to load up to 300µL of reagents per well, they are great for using in the Labsystems Multiskan or any other manufacturer's plate readers.

Plates come packaged in non-sterile boxes of 100.

Order AXY-96-300F-PS

AXYGEN'S 50mL and 15mL disposable centrifuge tubes are an economical and reliable tube used in the Wine Industry. Compatible with the Winescan Analyser they can be used as your sample preparation tubes. The 50mL tubes are able to be spun to 10,000xg in most centrifuges. They are available in both sterile and non-sterile versions.



RATEK

Premium quality Australian made Products



RC4 Refrigerated Circulator

Refrigerated water circulators provide a chilled water supply for various cooling needs, such as condensers in stills or stability tests. **RATEK** offer different models with different thermal capacities to cater for different heat loads.



RM4 Bottle Rotator

Shaking Water baths



RATEK digital water baths in various configurations offer accurate temperature controlled conditions for a variety of tests. Insulated tanks fitted with thermo-regulators and dip coolers provide a versatile alternative to fixed baths where a wide temperature range is required.

7000 Series Thermoregulators



Digital Controller

Model GWD520

LABEC manufacture an extensive range of quality laboratory equipment in Australia.

Included are -

Ovens controlling to 200°C with gravity convection or forced draft and in a range of sizes are offered.

Incubators to 80°C with inner glass doors, choice of convection and a range of sizes compliment the range.

Hotplates, Magnetic Stirrers and combination **Hotplate/magnetic stirrers**.



Model 223e



Compact and economical bench centrifuges



4-place swing-out rotor
for 50mL Falcon tubes



10-place fixed-angle rotor
for 50mL Falcon tubes



ADELAB now supply the range
of IKA original blue products



Heaters
Magnetic stirrers
Hotplates
Homogenisers
Dispersers
and more





EUTECH
INSTRUMENTS

The pH700 is the latest version of the most popular model of pH meter produced by EUTECH Instruments. It offers all the common features expected together with rugged reliability at an economical price.

Ideal for winery laboratories.

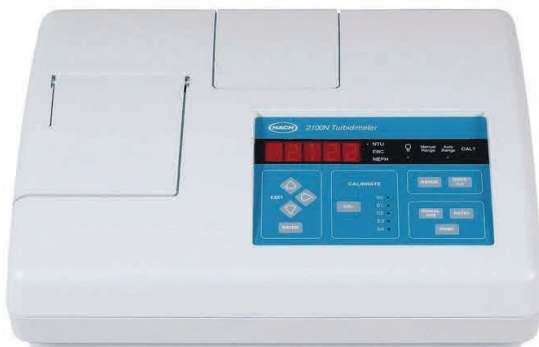
HACH's reputation for quality instrumentation is well renowned.

The HACH HQ30d is a portable, single input, multi-parameter instrument to read pH, conductivity, dissolved oxygen, ORP, and ISE.

The IntelliCAL™ LDO101 is a digital, luminescent dissolved oxygen (LDO) probe that can be used with the HQ30d meter as a solution to solve DO measuring requirements. The rugged version is available with a 5, 10, 15, or 30 meter cable.



HACH 2100N Laboratory
Turbidity Meter



HACH 2100Q Portable
Turbidity Meter





PIPETTES - Manual and electronic Single and multi-channel models



Single-channel manual Pipet-Lite® Pipettes

with choice of conventional conical shaft tips or LTS shafts for dramatic force reduction

All use *magnetic assist* technology to reduce plunger forces up to 50% of other manual pipettes.
Ranges cover from 0.1µL - 20mL

Single-channel E4 XLS+ electronic Pipettes

with choice of conventional conical shaft tips or LTS shafts for dramatic force reduction.

Advanced electronic pipettes with several modes and options for versatility. Standard functions include basic pipetting, multi-dispensing and mixing.

Ranges cover from 0.5µL - 20mL

Multi-channel manual Pipet-Lite® Pipettes

with LTS shafts for dramatic force reduction

Choice of 8- or 12-channel. LTS tips for leak-free sealing first time, every time.

Consistent sample loading without o-rings.

Increased productivity.

Ranges cover from: L8 0.5µL to 1200µL
L12 0.5µL to 1200µL

Multi-channel electronic E4 XLS+ Pipettes

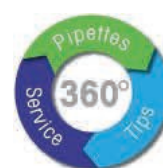
with LTS shafts for dramatic force reduction.

Choice of 8- or 12-channel. LTS tips for leak-free sealing first time, every time.

Consistent sample loading without o-rings.

Increased productivity.

Ranges cover from: E8 0.5µL to 1200µL
E12 0.5µL to 1200µL



Rainin Disp-X™ Bottle-Top Dispenser

Safely and easily handle reagents

The Rainin Disp-X manual bottle top dispenser is a valuable tool to aliquot reagents quickly, reliably and safely. Built-in safety features protect the user from accidental spills and ensure smooth, trouble-free dispenser operation. For use with a wide range of compatible liquids – including corrosive and inflammable Liquids – Disp-X has a broad application base in biology, pharmaceutical, clinical, chemical and forensic labs. Disp-X can be used with a variety of liquid reagents while providing superior sealing over a wide range of temperatures and viscosities. Disp-X is available in 4 different volume ranges: 0.5 – 5 ml, 1 – 10 ml, 2.5 – 25 ml and 5 – 50 ml.





WELCH Laboratory Vacuum Pumps



General Purpose 'dry' pumps (no oil) for use with aqueous solvents

We supply many designs of vacuum pumps from low vacuums through to high vacuums.

Please ask for more information.



Chemical duty 'dry' pumps (no oil) for use with corrosive vapours



The new range of **PURAIR fume hoods**, made in the USA by Air Science Technologies, have just been released and are now available through Ade-lab in SA. There are many models in different sizes with many options available, with a range of filters for almost every application.

Please ask for information if you have a need to protect your staff or the environment from dangerous fumes.



Corrosive Substance Cabinets are suitable for acids, caustics and all class 8 corrosive substances. Also available in polypropylene.



Flammable Liquid Cabinets are suitable for solvents, thinners, fuels, alcohols and all class 3 flammable liquids.



All cabinets are available in vertical and under-bench units.

SONICLEAN ultrasonic baths use pulse swept technology. They are available in many sizes with or without heating options. Most models are fitted with timer and degassing functions. Available accessories include lids and baskets. Soniclean ultrasonic baths are made right here in South Australia.





Microscopes

The new **BA310** from **Motic** is designed specifically for the rigors of daily routine work in the demanding applications of laboratories in Wineries, Universities, Clinics and any other life science application requiring quality optical performance. Using Motic's Color Corrected Infinity Optics (CCIS®) with newly designed EF-N Plan Achromats, this model's full Koehler configuration provides maximum illumination quality for even the most demanding samples. Also, the BA310's upgradeability to include additional contrast methods and discussion devices, ensure this model will offer long term functionality to all user levels in a variety of applications.

Phase Contrast: As an accessory, phase contrast sets of objectives and condenser are available.

Digital Imaging Cameras and Software are available for many applications.



Biological cabinets

BIO-CABINETS supply biological safety cabinets and laminar flow hoods conforming fully to the relevant Australian Standards. All cabinets are installed, tested and certified to NATA requirements by a qualified technician.

Autoclaves

To suit most requirements



COMINOX

Bench-top autoclaves of 18 or 24 litres capacity.



SYSTEC - made in Germany

Vertical units from 40L to 150L
Horizontal units from 23L to 200L





MIELE **Laboratory Glassware Washers**

Two spray arms, third in upper basket
Wide selection of specialised injectors and baskets

Model PG8504

Pre-selected programmes
65°C upper temperature

Model PG8583

User programmability
93°C upper temperature
Purified water feed for final rise if required



MIELE **Professional Glassware Washer** **for the tasting room**

Model PG8080

White external finish, stainless interior
Two level washing
6 Pre-selected programmes
85°C upper temperature for hygiene control





CONTROL COMPANY offer a wide range of laboratory accessories which are accompanied by a Traceable Calibration Certificates. We are pleased to offer this range in Australia. Below is a selection of just some of the products available.



5011 Traceable®
Giant-Digit™ Timer



5007 Traceable®
Lab-Top Timer

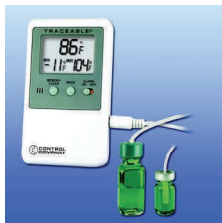


5000 Traceable®
Three-channel alarm timer



5022 Traceable®
Jumbo Timer

TIMERS



4127 Traceable®
Refrigerator/Freezer Thermometer



4425 Traceable®
Workhorse™ Thermometer



4484 Traceable®
Infrared Wide-range Thermometer 50:1



4052 Traceable®
Long-Stem Thermometer

THERMOMETERS

All Traceable® products are supplied with a Traceable® Calibration Certificate from Control Company's ISO17025 Calibration Laboratory.



4189 Traceable®
Hygrometer/Thermometer w/computer output



4186 Traceable®
Dial Hygrometer/Thermometer

HUMIDITY MEASURING



4380 Traceable®
Radio-Signal Remote Hygrometer/Thermometer



4184 Traceable®
Jumbo Humidity/Temperature



3475 Traceable®
SpatulaBalance™



3141 Key-Chain
Micro-Laser Pointer

OTHER INSTRUMENTS

Including -
anemometers
conductivity
dissolved O₂
light meters
and many more



3252 Traceable®
Dual-Display Light Meter



4262 Traceable®
Tachometer w/Red LED Pointer



**36 Holland Street
Thebarton SA 5031**

Phone: 08 8234 7955

Fax: 08 8234 7897

Email: info@adelab.com.au

Website: www.adelab.com.au