



A Proudly 100% Australian owned company, servicing the Scientific community since 1987

February - March 2015

## NEWSLETTER

### Client of the Month

## Malaco Leichhardt Pty Ltd

Malaco Leichhardt Pty Ltd produces copper cathodes from the Mount Cuthbert site approximately 100km NE of Mount Isa in Queensland. Following a period of re-commissioning, the first copper cathodes were produced on site in February 2014.

Copper ore is currently being sourced from the Mount Watson pit, which is 30km north of the Mount Cuthbert processing plant, which includes a heap leach, solvent extraction and electrowinning facility.

The project covers a large area with numerous tenements. There is currently exploration being conducted to identify additional resources of copper ores.

*Winners are chosen by our computer on a random basis. The prize is the client's choice of \$100 worth of laboratory items from a supplied list.*

### Clever Person Quiz

**Q: What is the strongest known liquid acid?**

### Did you Know?

*(Answer to last edition's clever person quiz)*

**Q:** What is the central element in a molecule of chlorophyll?

**A:** A chlorophyll molecule is a porphrin ring coordinated to a central magnesium ion. The porphrin ring structure is very similar to how iron is held in haemoglobin.

### Saying of the Month

*"An investment in knowledge pays the best interest."  
Benjamin Franklin*

## MABOR

### Cupels and Bullion Blocks

Providing quality products for over 110 years.



At the start of February Rowe Scientific acquired the assets of Assay Supplies of Australia, giving us direct access to the "Mabor" range of cupels and bullion blocks.

The most accurate method of gold analysis (eg for Stock Exchange reporting) uses a process

known as Fire Assay. Its origins can be traced back to the Romans who experimented with purifying gold 2000 years ago. Fire Assay can be used to measure gold both in ores and for determination of purity in gold bars (bullion).

In ores, after a process called "fusion", a lead button is produced which contains many of the precious metals – gold, silver, platinum etc. "Cupellation" is the process of separating the lead to leave the precious metals behind.

A cupel can be made of magnesium oxide (from a mineral called magnesite) or calcium phosphate (bone ash). The lead button is placed on the cupel and heated at ~900 degrees C in an air draft. The resulting lead oxide is absorbed by the cupel leaving behind a tiny bead containing the precious metals. A common method for determining the concentration of gold is then to analyse by AAS. Thus the concentration of gold in the ore sample can be determined.

Mabor cupels have been made in India since 1899 by the Raju family. Their processes are supported by ISO 9001 accreditation. Their constant refinement and development of the cupel and bullion blocks delivers a quality product that Rowe Scientific are proud to be associated with.

For any enquires please contact our Gold Room/Fire Assay Product Manager, **Nolan Hall** on 08 9302 1911.

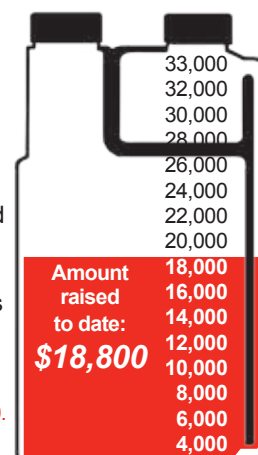
**PROUDLY SUPPORTING  
THE ROYAL FLYING  
DOCTOR SERVICE OF  
AUSTRALIA**



Your purchases of Quantumclean, and pH buffers in the unique Rowe twin head bottles, will result in \$2 per item being sent to the RFDS to support this great Australian institution.

Rowe Codes:  
**Quantumclean** CQ1050, CQ1000, CQ1100.  
**pH Buffers** CB3515, CB3115, CB2660

**2015 TARGET  
\$33,000**



# QUICK QUIT SPECIALS - ONLY WHILE STOCKS LAST - NEVER TO BE REPEATED PRICING

PERIODIC TABLE A4  
DOUBLE SIDED PAD  
OF 25 SHEETS

HC2011 ~~List 9.99~~

Quit at **\$1.97 ea**



OPTIFIX DISPENSER  
100mL SAFETY. **3 ONLY**

DL6120

List ~~1,303.45~~

Quit at **\$913.24 ea**

OPTIFIX UNIVERSAL  
DISPENSER 30mL FOR  
HYDROFLUORIC ACID.

DL6340

**2 ONLY**

List ~~4,629.52~~

Quit at **\$1,141.70 ea**

OPTIFIX UNIVERSAL  
DISPENSER 10mL FOR  
HYDROFLUORIC ACID.

DL6300

**1 ONLY**

List ~~1,097.68~~

Quit at **\$769.08**

DISPENSER LABMAX  
10-50mL HF AIRLESS  
DISPENSER. **1 ONLY**

DD1169

List ~~2,245.03~~

Quit at **\$1,187.27**

PAPER FILTER GLASS  
FIBRE 4.7cm SIMILAR  
TO GF/F (MN GF-5)(4 x  
BOX/25). **140 ONLY**

FP4130 ~~List 71.82~~

Quit at **\$43.89 ea**



PAPER FILTER  
24.0cm SIMILAR Gr54  
(MN1670). **19 ONLY**

FF3680 ~~List 121.82~~

Quit at **\$74.45 ea**



PAPER FILTER  
18.5cm SIMILAR Gr52  
(MN1672). **53 ONLY**

FF2800 ~~List 76.28~~

Quit at **\$46.62 ea**

MEMBRANE FILTER  
47mm 0.45 MICRON  
PTFE. **6 ONLY**

FF5145

List ~~537.12~~

Quit at **\$373.95 ea**

MEMBRANE FILTER  
293mm 0.45 MICRON  
MIXED CELLULOSE  
ESTER. **2 ONLY**

FF6012 ~~List 371.33~~

Quit at **\$220.79 ea**

FILTER SYRINGE  
32mm 0.45 MICRON  
ACRODISC.

**1 ctn x 1000 ONLY**

FF7730 ~~List 2,374.36~~

Quit at **\$1,155.66**

VIAL 2mL CLEAR  
SCREW TOP WIDE  
MOUTH RIBBED CAP &  
SILICONE/PTFE SEAL  
(100). **28 ONLY**

VV2053 ~~List 55.09~~

Quit at **\$37.60 ea**



VIAL 1mL  
POLYPROPYLENE  
WIDE OPENING CRIMP  
TOP (100). **22 ONLY**

VV2050 ~~List 36.34~~

Quit at **\$25.30 ea**

VIAL 2mL Clear screw  
top 8mm Mouth w/cap &  
SOFT SILICONE/PTFE  
SEAL (100). **13 ONLY**

VV2154 ~~List 59.95~~

Quit at **\$41.73 ea**

PETRI DISH  
ANALYSLIDE FOR  
47mm FILTER  
POLYSTYRENE (100).

PP1005 ~~List 166.25~~

Quit at **\$139.15**

SPECTROPHOTOMETER  
SCANNING UV/VISIBLE  
190-1100nm METERTECH

IS1239 ~~List 7410.00~~

Quit at **\$4500.00**



EVAPORATOR ROTARY STUART  
20-190RPM 1L EVAPORATING AND  
RECEIVING FLASKS 220V 50Hz

IE1102 ~~List 3744.09~~

Quit at **\$2606.65**



SIEVE SHAKER  
ENDECOTTS EFL2000/2  
takes 200 and 300mm  
screens **7 ONLY**

RS7840 ~~List 3706.8~~

Quit at **\$2995.00**



BALANCE ANALYTICAL  
DUAL RANGE 42g/120g X  
0.01mg/0.1mg NEW CLASSIC  
MS105DU WITH FACT

IB1039 ~~List 5367.60~~

Quit at **\$4158.00**



**SALE  
PRICE  
\$24,661**

**VELP  
SCIENTIFICA**



DISTILLATION UNIT WITH INTERGRATED  
COLORIMETRIC TITRATOR PLUS  
CONNECTIVITY FOR AUTO SAMPLE  
CHANGER. UDK169

ID8169

List ~~\$35078.28~~

DIGESTER HEATING 20 PLACE  
WITH TEMPERATURE RAMP  
VELP DK20

ID1705

List ~~\$5289.78~~

**SALE PRICE \$3990.00**

PUMP VACUUM  
RECIRCULATING  
WATER VEP JP

IP2050

List ~~\$3293.34~~

**SALE PRICE \$1775.82**

SCRUBBER VEP  
SMS

IS5100

List ~~\$1831.72~~

**SALE PRICE \$987.69**

# CENTURION CENTRIFUGES

All Centurion centrifuges feature:



- ✓ Extra thick stainless steel bowl
- ✓ Quality European brushless motor
- ✓ Multi point lid locking
- ✓ Lid lock detection
- ✓ Overspeed sensor
- ✓ Simple touch screen



**HURRY,  
ONLY WHILE  
STOCKS  
LAST**

## PRO-ANALYTICAL RANGE SPECIALS

ROWE CODE	DESCRIPTION	LIST	SPECIAL OFFER	QTY AVL
IC4160	CENTRIFUGE MULTI ROTOR SPEED 500-4000RPM 4X100mL CAPACITY FOR OPERATION ON 240VOLTS 50HZ	\$2851	<b>\$2290</b>	5
IR4122	ROTOR SWING OUT, 4X100mL - REQUIRES ADAPTORS	\$1353	<b>\$1085</b>	4
IA4120	ADAPTORS 15mL, TWO PLACE, TOTAL CAPACITY EIGHT TUBES, FOR BRK5505 ROTOR TO SUIT IR4122	\$436	<b>\$350</b>	3
IA4122	ADAPTORS 50mL, TOTAL CAPACITY 4X50mL, FOR BRK5505 ROTOR TO SUIT IR4122	\$436	<b>\$350</b>	3
IC4135	CENTRIFUGE, MICROHAEMATOCRIT MULTI ROTOR 500-12000RPM WITHOUT ROTORS 240V, 50Hz	\$2581	<b>\$2071</b>	1

## PRO-RESEARCH RANGE (Refrigerated)

ROWE CODE	DESCRIPTION	LIST	SPECIAL OFFER	QTY AVL
IC4181	CENTRIFUGE REFRIGERATED, -9 TO +40C PID CONTROLLED, 500-15,000RPM ROTOR RECOGNITION 4 x 750mL CAPACITY	\$16105	<b>\$11500</b>	1
IC4182	ROTOR SWING-OUT 4 x 750mL, WITHOUT BUCKETS	\$2857	<b>\$2200</b>	1
IC4183	CENTRIFUGE PART, BUCKETS 750mL for use with IC4182 set of 4	\$2215	<b>\$1850</b>	1

*Be quick! These prices expire 31.3.15 or only while stocks last. Adaptors available for a variety of tubes & bottles, please enquire. Enquire for special pricing on other models not displayed.*



- Extra thick SS bowl
- European brushless motor
- 108 memory programs
- Overspeed sensor
- Made in England



**IC0008**  
CENTRIFUGE HIGH SPEED 15,000 RPM, 22000 Rcf (G) FOR MICRO CENTRIFUGE TUBES 0.2 TO 2.2mL (without rotors).

List \$2732.32

**SPECIAL**

**\$1890**

**IR4110**  
ROTOR FIXED ANGLE 24 x 1.5-2.2mL, HIGH DOME SEALED POLYCARBONATE LID INCLUDED

List \$815.06

**SPECIAL**

**\$645**

### More Information Required?

If you would like further information on any of the products featured in this edition, please contact your nearest Rowe Scientific Pty Ltd office.

Dear Clients,  
Greetings from the South Australian office.

Well, already Christmas and New Year feels like it was 6 months ago, but for those of you we haven't touched base with in the New Year we all hope you had a safe and happy one.

Our thoughts go out to all of those who may have or know of people affected by the terrible bushfire that swept through the Adelaide Hills, our worst since Ash Wednesday. To any of our clients who are also in the CFS or anyone who fought to save lives and property, we thank you.

Kate will be on the road more this year. I am sure she is looking forward to meeting many of you she has previously spoken to. I will soon be taking leave to prepare for our first child with my wife Elise, but don't worry I will be back and in the interim Paula and Daniel will look after your needs.

All the best from,  
Doug, Steve, Kate, Mark, Michael, Daniel, Paula and Lee.



Doug McPhee  
Adelaide

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rowesa@rowe.com.au

Dear Clients,

Welcome back to those of you who were fortunate enough to have had a break from work over the Festive Season. For those of you who were less fortunate and continued to beaver away in your labs during this period, we acknowledge your commitment.

**\*\* Do you have a CS2000 Carbon and Sulfur Analyser in your lab?  
We are currently over stocked with combustion crucibles and are offering them at a very special price while stocks last. Please call our team to discuss your needs.**

Queensland team: Yvonne Dive, Martin Bullock, Brian Bishop, Sean Wyatt, Josephine Cabagui, Leon Dive, Sean Afflick, John DeRuyter, Steve Taylor, Adam Bergman.



Yvonne Dive  
Brisbane

**BRISBANE**  
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roweqld@rowe.com.au

Dear Clients,

A comparatively mild January here in Victoria shouldn't lull us into disregarding the bush fire threat, we still have at least two months to go of the highest potential. Be aware and beware but not intimidated.

After a year in our new Melbourne facility here in Doveton, a lot of people are still using our old Hallam contact details. Diverts are no longer in place so please ensure your records reflect our correct contact details for address, phone and fax. No changes to the email and web.

HPLC grade solvents - from Ajax, Merck, B&J and ChemSupply we stock them all, if you think you are paying too much for solvents, you probably are... Give us a call for a special deal on Acetonitrile, Methanol etc. We also have good stocks on syringe and membrane filters.

Look forward to hearing from you.

Your team in Victoria, Garry, Joe, Mango, Nic, Daniel, Adam and Brian



Garry Wrede  
Melbourne

**MELBOURNE**  
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Doveton, VIC 3177  
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rowevic@rowe.com.au

Dear Clients,

The December break seems but a memory as business has restarted with a boom in the New Year.

As you have read elsewhere in the newsletter, Nolan Hall (Gold Room/Fire Assay Product Manager) and I have been out seeing clients who buy Mabor cupels. We know the quality of this brand having sold Mabor for many years, and are proud to be associated with them. These are the latest product line offered by Rowe Scientific, fulfilling our mission to supply our clients with the scientific items they need to do their work.

It's business as usual but now with direct access, so any enquiries please give Nolan or myself a call. As usual, thanks for your business, and your support.

Rowe West Australian Team



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Perth

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### Your Scientific Supply Partner of Choice in NSW in 2015

I am pleased to have joined the Rowe family late last year as the NSW State Manger. While Rowe has a well-established customer base in NSW thanks to the great work of our existing team it is clear however many scientists are not familiar with the organisation. Our goal for 2015 is to ensure more and more scientists become familiar with Rowe and over time put their faith in Rowe as their scientific supply partner of choice.

The team and I are committed to focusing on meeting as many new customers as is possible as we traverse Sydney and NSW in the coming weeks and months. I am excited and energised at the prospect of forming new and renewing old acquaintances during the course of the year. We will take the time to understand and respond to your needs and will seek to provide you with a consistent and reliable service at all times so your can focus on getting on with your job in the laboratory. Thank you for your continued support and we look forward to expanding existing and initiating many new partnerships throughout the course of the year ahead.

All the best, John, Troy, Kendall, Adam, Ken and Rodney.



John Dwyer  
Sydney

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