



## NEWSLETTER

### Client of the Month CSR

"CSR is a leading building products company with operations throughout Australia and New Zealand. CSR holds an effective 25% interest in the Tomago aluminium smelter.

CSR is also developing a number of former industrial sites for future land sales. Our brands are among the most trusted and recognised businesses in providing products and services to support our customers across residential and non-residential construction.

CSR manufactures and supplies a wide range of building products including Gyprock™ plasterboard, Cemintel™ fibre cement, PGH™ bricks, Monier™ rooftiles, Bradford™ insulation and Viridian™ glass.

With 35 wholly owned or majority owned manufacturing plants in Australia and operations in New Zealand and Asia. In December 2010 CSR sold its sugar and renewable energy company - Sucrogen - to Wilmar International."

*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 most intrinsically toxic element?

### Did you Know?

(Answer to last edition's clever person quiz)

Q: When valves were replaced by transistors, Silicon was not the first element chosen for the task. What was it?

A: The first transistors were made out of Germanium. It was replaced in about 1954 by the element immediately above it in the periodic table, Silicon, as it has superior thermal stability and was much cheaper.

### Saying of the Month

A goal without a plan is just a wish. — *unknown*

## ROWE SCIENTIFIC PTY LTD PERIODIC TABLE

Rowe Scientific Pty Ltd will be releasing for sale an updated Periodic Table of the Elements in the new financial year.

These are especially useful to tertiary and secondary education institutions or anyone with a general interest or passion in chemistry. They will be available in A4 size pads of 25 sheets.

Information used in the table has been compiled from existing data and IUPAC® (International Union of Pure and Applied Chemistry) published updates together with the valued input from some chemistry educators.

To find out more, call Rowe Scientific Pty Ltd.

KEY		ATOMIC NUMBER		ATOMIC WEIGHT (Note 2)		BOILING POINT °C		MELTING POINT °C		ELECTRONEGATIVITY (PAULING'S)		GROUND STATE ELECTRON CONFIGURATION		METAL	
Naturally Radioactive	Green	1	1	1.00	1.00	-252.7	-252.7	-259.2	-259.2	2.2	2.2	1s <sup>1</sup>	1s <sup>1</sup>	METAL	NON-METAL
Synthetically Radioactive	Blue													METALLOID	
Solid	Black														
Liquid (Note 3)	Blue														
Gas	Red														

Key showing data provided on table for each element



CHEMECA 2011 will be held in at the Sydney Hilton, NSW on the 18 - 21 September 2011. We invite you to visit us at stand number 3. Hope to see you there!

Chemeca is hosted by The Institution Of Chemical Engineers In Australia (IChemE), Engineers Australia (EA), The Royal Australian Chemical Institute (RACI) And The Institution Of Chemical Engineers New Zealand (IChemE in NZ). These Bodies Represent Over 100,000 Engineers And Chemists Working Across The World.

### Proudly supporting the Royal Flying Doctor Service of Australia



Your purchases of Quantumclean, and pH buffers in the unique Rowe twin head bottles, will automatically 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 and CB2660

Amount raised as at 24 June 2011:	
\$22,706	18,000
	16,000
	14,000
	12,000
	10,000
	8,000
	6,000
	4,000
	2,000



**Rowe Scientific** PTY LTD  
For accuracy and professionalism  
[www.rowe.com.au](http://www.rowe.com.au)



## ACCURATE SOLUTIONS

We make solutions of accurate concentration

Talk to our Chartered Chemist to discuss your requirements

Stirring Shaking Mixing	<b>VELP SCIENTIFICA</b>	
Fine Chemicals		<b>MERCK</b>
Water Analysis	<b>TPS</b>	<b>HACH</b>
Ovens & Incubators	<b>ontherm</b>	<b>Gilian</b> Air sampling pumps
Balances & Titration	<b>OHAUS</b>	<b>METTLER TOLEDO</b>
General & Volumetric Glassware	<b>TGI</b> LABORATORY GLASSWARE	<b>witeg</b>
Filtration & Chromatography	<b>CHROMACOL</b> Vials	<b>MN</b> Filter Paper
Plasticware	<b>Bel-Art Products</b>	<b>cowie</b>
	<b>Kartell LABWARE</b>	<b>Techno Plas</b>



## The New and Improved Rainin Pipet-Lite XLS from Mettler Toledo.

Available in Single Channel, Multichannel and Adjustable Spacer Pipettes



Single Channel  
Available in sizes up to 20mL  
Rowe Code DP4901 - 20mL Pipette



Adjustable Spacer



Multichannel

- Total Hand comfort. Improved shape and balance for a lighter feel.
- Lighter springs and RAININ's patented Magnetic Assist Technology, gives you a plunger that is smooth and precise, yet requires less force than ever.
- They are the world's first pipette family to be equipped with Radio Frequency Identification Device (RFID) tags for advanced calibration tracking.
- Choose the Lite-Touch pipetting system (LTS) to dramatically reduce the repetitive stress of tip ejection.



((((RFID)))

To find out more contact your local Rowe Scientific Pty Ltd office.

## MICROSCOPY NEW RELEASE

### MOTIC BA410 FOR CYTOLOGY, PATHOLOGY, HISTOLOGY

The new BA410 with improved CCIS Optical system includes a variety of contrast techniques like: Fluorescence, Dark Field, Polarization as well as improved Phase Contrast. A variety of new viewing heads are also available, including a Trinocular head with three light splits (100:0/20:80/0:100) and two Ergonomic tilting/telescopic heads. Prices start from \$3950.00 ex GST.

Please call your nearest Rowe Scientific Pty Ltd office for the latest brochure



ROWE CODE	<b>CLEARANCE LIST</b> (NOTE: PRICES DO NOT INCLUDE GST AND ARE ONLY AVAILABLE WHILE STOCKS LAST)	NORMAL PRICE	SPECIAL PRICE	QTY AVAILABLE
<b>CHEMICALS</b>				
CM3411	METHYLISOBUTYLKETONE (MIBK) GLR	157.75	<b>110.00</b>	5
CP5025	POTASSIUM TETRAOXALATE DIHYDRATE 99%	475.24	<b>326.40</b>	3
CL2109	LITHARGE Au FREE POWDER	254.80	<b>175.00</b>	5
CC3135	CHLOROBENZENE LR	555.06	<b>381.22</b>	1
CC4743	SODIUM HYDROXIDE 40% w/w TECHNICAL (NATURAL CONTAINER) (DRUM DEPOSIT NOT INCLUDED)	42.54	<b>30.00</b>	5
<b>AJAX CHEMICALS</b>				
CA1780	AMMONIUM (TRI-) CITRATE AR	2,112.00	<b>1,584.00</b>	1
CE1280	EDTA LR ETHYLENEDIAMINETETRAACETIC ACID	543.40	<b>407.55</b>	2
CS14059	SODIUM (TRI-) CITRATE AR	302.50	<b>139.00</b>	1
CM2287	METOL (MONOMETHYL-p-AMINOPHENOL SULPHATE)	288.20	<b>115.27</b>	8
CP1780	PERCHLOROETHYLENE(TETRACHLOROETHYLENE) 2.5L	152.90	<b>107.40</b>	4
<b>MERCK CHEMICALS</b>				
CA2280	AMMONIUM HYDROGEN DIFLUORIDE PURE	305.00	<b>248.75</b>	17
CL1810	LITHIUM FLUORIDE 99.99% SUPRAPUR	257.20	<b>187.50</b>	14
CD1249	DISINFECTANT VIRKON 50g SACHETS	440.90	<b>486.25</b>	2
FT3038	TLC PLATES CELLULOSE 10x10cm	596.90	<b>591.40</b>	1
FF5145	MEMBRANE FILTER 47mm 0.45 MICRON PTFE	563.27	<b>320.00</b>	14
PF1133	FILTER SYRINGE 26mm 0.45 MICRON MINISART CELLULOSE AC-ETATE	844.56	<b>650.00</b>	4
<b>GLASSWARE</b>				
GW1800	WATCH GLASS 130mm DIAMETER SODA GLASS	11.29	<b>1.05</b>	1025
GT2151	TUBE CULTURE 13x100mm DISPOSABLE BOROSILICATE GLASS	103.67	<b>51.45</b>	75
GT2475	TUBE CULTURE 18x150mm DISPOSABLE GEOCHEMICAL GLASS	130.22	<b>69.15</b>	100
GT2310	TUBE CULTURE 16x150mm DISPOSABLE BOROSILICATE GLASS	164.65	<b>84.45</b>	603
GT1760	TUBE CULTURE 20x150mm TEFLON SEAL GLASS	1,454.52	<b>477.99</b>	3
<b>INSTRUMENTS</b>				
II2055	INCUBATOR 150L DIGITAL CONTROL INTERNAL DIMENSION 710Hx-400Wx500mmD FAN AIR CIRCULATION COMPLETE WITH TWO SHELVES	2,006.14	<b>1,850.00</b>	3
IC4040	CENTRIFUGE ORBITAL 260 WITHOUT ROTOR	2,907.00	<b>2,100.00</b>	1
IC4042	CENTRIFUGE ROTOR ANGLE 24 x 1.5mL/2.2mL TO SUIT ORBITAL 260	1,628.90	<b>950.00</b>	1
IF1160	FLOCCULATOR VELP JAR TEST FP4 4-PLACE PORTABLE 230VAC/12v DC	1,725.36	<b>1207.50</b>	1
<b>LABORATORY HARDWARE</b>				
HW1000	WATER JET VACUUM PUMP (1588) 1/2 FEMALE B.S.P. 140mm HIGH	88.36	<b>48.55</b>	26
HG1918	GLOVES NEOTOP NEOPRENE SIZE 10 300mm LONG	51.74	<b>38.00</b>	9
<b>FILTRATION MICRO</b>				
EM4115	MICROSCOPE LABORATORY BIOLOGICAL 40X TO 1000X	966.00	<b>705.00</b>	1
GM2450	COVER SLIPS 22x40mm	13.65	<b>7.00</b>	10
GM3155	MICROSCOPE SLIDES TWIN FROSTED END 90deg GROUND EDGE PRECLEANED MARIENFELD	4.57	<b>2.75</b>	13
<b>PLASTICWARE</b>				
PP1025	PETRIFILM E-COLI & COLIFORM COUNT PLATES	191.10	<b>145.00</b>	6
<b>SAMPLE VIALS</b>				
VV2455	VIAL CRIMP TOP 20mL HEADSPACE CLEAR GLASS 22x75mm	186.72	<b>74.30</b>	15
VS3010	SEAL 20mm PTFE/CHLOROBUTYL FOR HEADSPACE VIALS	958.21	<b>598.20</b>	1
GS1000	SEAL 20mm PTFE/ALUMINIUM FOR HEADSPACE VIALS	159.98	<b>115.00</b>	6

**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.



Doug McPhee  
Adelaide

Dear Clients, Greetings from the South Australian office.

Thank you to all our clients who have supported us during the last financial year. It sure has been a busy one and we hope a successful one for you all and look forward to your continued support. Over the coming months you will be seeing more of Kate and Daniel as they will be getting out of the office to visit our clients in the Adelaide market.

We have had an exciting development in our status as Mettler Toledo distributors. We now have full access to the complete range of Rainin Pipettors which feature their patented LTS (Lite Touch System). Please contact the office to discuss your requirements.

We are still running our Adelaide only Quit List Specials. These prices will not be repeated, if you have not received your copy contact your account manager to take advantage of these "crazy" prices.

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

#### ADELAIDE

31 Aldenhoven Rd  
Lonsdale, SA 5160  
Ph: +61 (08) 8186 0523  
Fax: +61 (08) 8186 0524  
rowesa@rowe.com.au



Yvonne Dive  
Brisbane

Dear Clients, Greetings from the Brisbane Office.

The year is rocketing by - winter has arrived with temperatures falling steadily in Brisbane over the last fortnight. Soon the "Westerleys" will arrive, reminding us that Ekka time is just around the corner. We send our best wishes north, where we believe some of our clients are still in the rebuilding phase after Cyclone Yasi.

If you use 15mL and/or 50mL Centrifuge Type Tubes, please contact us for pricing on our stocked Tarson brand alternatives. A reminder to our clients that we stock a large range of both Labmax and Optifix Bottle-Top Dispensers. Please contact us for pricing. We welcome Mr. Gavin McDonald to our team - Gavin will be assisting John full-time in our warehouse.

Cheers from the Queensland team: Yvonne Dive, Brian Connolly, Martin Bullock, John De Ruyter, Brian Bishop, Josephine Cabagui, Sean Wyatt and Gavin McDonald.

#### BRISBANE

Unit 1, 30 Argon St  
SumnerPark, QLD 4074  
Ph: +61 (07) 3376 9411  
Fax: +61 (07) 3376 9455  
roweqld@rowe.com.au



Henk Wipprecht  
Hobart

Dear Clients,

Winter has well and truly started with freezing frosty mornings and already parts of Tasmania are covered with snow. This is the time to sit by a glowing open fire, sipping on a glass of Glühwein, to warm the heart. We are close to the end of our financial year and we would like to thank all our clients for their continued support. Please contact us for pricing on capital equipment needs for next year's budget 2011/2012.

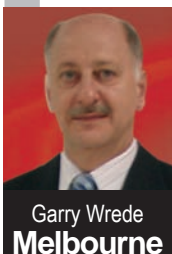
Reminders: We offer our Rowe Solution Consulting Service for specialised calibration solutions from one litre to 1000 litres. Don't forget we run "End of financial deals" on Mettler-Toledo balances, Ratek instruments, Macherey-Nagel "trusted German Quality" filter papers and indicator papers.

Motic has released a new and exciting range of microscopes "to world standard", both Stereo/ Compound and are true value for money. Please contact your closest Rowe Office for product information.

Enjoy the cool Tasmanian weather for the coming months. Regards from Henk and John

#### HOBART

Unit 6/10 Lampton Ave  
Derwent Park, Hobart,  
Tasmania, 7009  
Tel: 03 6272 0661  
Fax: 03 6272 0663  
rowetas@rowe.com.au



Garry Wrede  
Melbourne

Dear Clients, Winter greetings from the Victorian team - your continued and expanding support has helped keep us warm in our Hallam office.

We are currently promoting Macherey-Nagel and Contherm, both represent very important parts of our product line. MN's products are manufactured in modern production facilities in Germany. Over 25,000 lines are offered from 5 ranges: filtration, rapid tests, water analysis, chromatography and bioanalysis. Contherm manufactures a series of high quality ovens, incubators, baths and environmental plant growth cabinets, in their New Zealand factory. Whilst we maintain an inventory of a number of lines, if there is something not in Australia, the "ditch" is getting smaller every millennia.

If we can offer any assistance in regards to your consumable and or equipment needs, please do not hesitate to contact us either by phone, fax, email or via our on-line store at [www.rowe.com.au](http://www.rowe.com.au). Again, we should re-iterate that amidst all the changes in the scientific market place please remember that Rowe Scientific P/L remains committed to "providing you, the Australian Scientist with ALL you need to get the job done".

Your Team in Victoria Garry, Joe, Farhad, Mango, Nic and Adam

#### MELBOURNE

Unit 1, 16-28 Melverton Drv  
Hallam, VIC 3803  
Ph: +61 (03) 8795 7771  
Fax: +61 (03) 8795 7780  
rowevic@rowe.com.au



Reg Rowe  
Perth

WA News (Reg's Column)

Dear Clients,

Rowe Scientific Pty Ltd are pleased to be a \$5,000 sponsor of the RACI International Year of Chemistry this year. The Winter Solstice (21/6/11) will have passed by the time you read this, and I'll probably be in the north of WA, visiting clients.

I need to thank a number of you for helping to improve a Periodic Table which we are printing. Your account manager will give you one, as a ready reference for chemical data. In addition, we have also printed a pad of graph paper, should any of you still be old fashioned enough (like me) to use graph paper instead of Xcel.

Thanks for your business, Reg Rowe and Staff

#### PERTH

11 Challenge Bvd  
Wangara WA 6065  
Ph: +61 (08) 9302 1911  
Fax: +61 (08) 9302 1905  
rowewa@rowe.com.au



Troy Boland  
Sydney

Dear Clients,

The temperature has certainly dropped in NSW with some very cold mornings to the start of winter. Kendall Parsons visited some of our clients in Canberra and surrounding areas last week and at certain points in the trip she said some snow fell.

To remind everyone, we are stocking the Contherm range of ovens and incubators in NSW, so if you require a quote or want to order a unit before the end of the financial year don't hesitate to contact us. Also HACH has released a new spectrophotometer, the DR3900. This unit is to replace the older DR2800, however we still have stock of these units so contact us for some great pricing.

Keep warm this Winter. All the best from the NSW team, Troy, Kendall and Adam.

#### SYDNEY

Unit 1, 12 Essex Street  
Minto, NSW 2566  
Ph: +61 (02) 9603 1205  
Fax: +61 (02) 9603 1084  
rowensw@rowe.com.au