

# GL45 Duran Glass Bottles

## GLS80 Bottles



**YOU**ILITY – TOUCH THE FUTURE

THE DURAN® LABORATORY BOTTLE SYSTEM

**CHROM**alytic +61(0)3 9762 2034  
**ECH**nology Pty Ltd

**Australian Distributors**  
Importers & Manufacturers  
[www.chromtech.net.au](http://www.chromtech.net.au)

Website NEW : [www.chromalytic.com.au](http://www.chromalytic.com.au) E-mail : [info@chromtech.net.au](mailto:info@chromtech.net.au) Tel: 03 9762 2034 . . . in AUSTRALIA

 **DURAN GROUP**  
magic of precision



## MORE THAN JUST A BETTER BOTTLE, IT'S A COMPLETE SYSTEM

Discover the way to make laboratory work easier, safer, more economical and fun.

Borosilicate 3.3 glass bottles are very widely used in scientific research for activities such as sampling, storage, mixing, media preparation and sterilisation of liquids. But often they are not given a second thought. The DURAN Group pioneered the screw threaded GL 45 DURAN® borosilicate glass laboratory bottle way back in 1972. Prior to that date most laboratory reagent bottles had been sealed by a glass stopper. Since its introduction over four decades ago, the DURAN® GL 45 laboratory bottle has become the bottle of choice for laboratories around the world.

However since then, the basic form and design of the DURAN® bottles has remained virtually unchanged.

Yet the demands on laboratory efficiency, personnel and equipment grow ever more stringent. In response to these demands, the DURAN Group initiated a project to develop a laboratory bottle system that was more suited to today's customer requirements.

After extensive market and customer research, twelve key tasks associated with laboratory bottle usage were identified. Significantly, all the tasks involved the manual handling of the bottles and caps. In addition, for most of the key tasks, the clear and unambiguous identification of the bottle and its contents was essential. Therefore the parameters targeted for improvements were

ergonomic handling, ease of use, and the development of a better method of bottle identification.

The result is the DURAN® YOUTILITY bottle system, a new generation of glass laboratory bottles for use in a wide and diverse range of scientific research applications. The innovation does not stop at the improved ergonomic bottle shape, but extends to dedicated accessories that incorporate many new innovative features to improve handling, sample identification, and ease of use. The new YOUTILITY bottle system helps to make laboratory work easier, safer, more economical and fun.



1900s – DURAN® Reagent bottle sealed with glass stopper.



1972 – DURAN® GL 45 laboratory bottle with screw cap.



2014 – DURAN® YOUTILITY laboratory bottle system.

**HROMalytic** +61(0)3 9762 2034  
**ECHnology** Pty Ltd

Website NEW : [www.chromalytic.com.au](http://www.chromalytic.com.au) E-mail : [info@chromtech.net.au](mailto:info@chromtech.net.au) Tel: 03 9762 2034 . . . in AUSTRALIA

**Australian Distributors**  
Importers & Manufacturers  
[www.chromtech.net.au](http://www.chromtech.net.au)



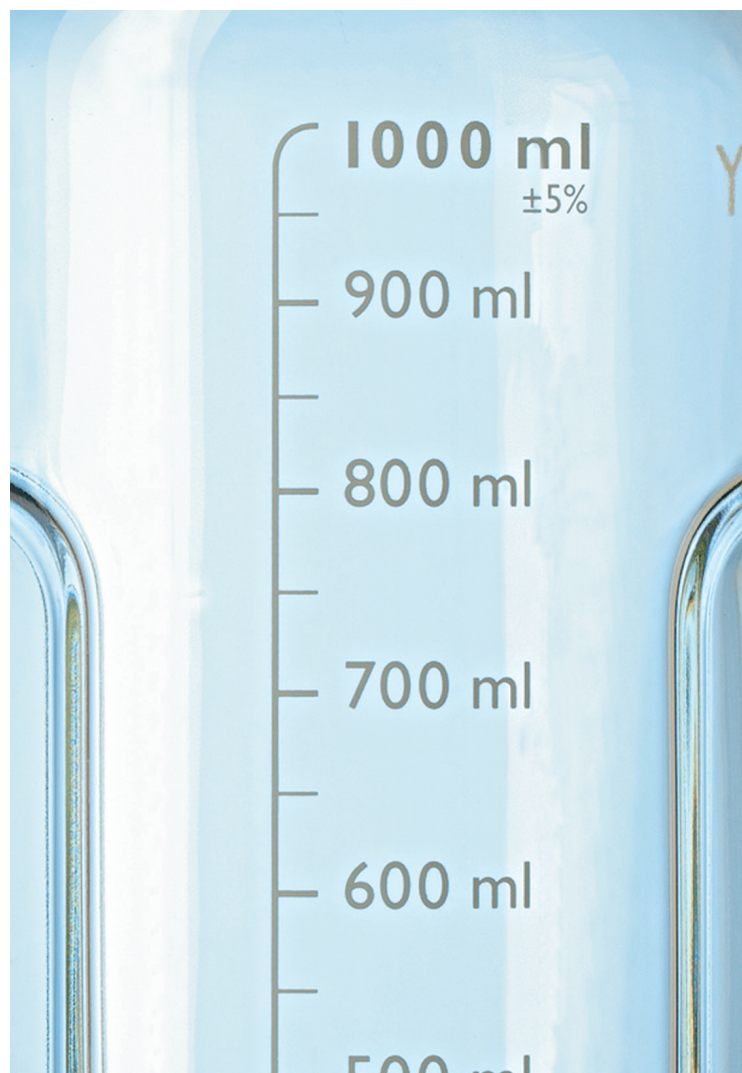
## ONE GOOD TURN DESERVES ANOTHER

The DURAN® YOUTILITY screw cap features a secure grip, fast opening, and quick closing. The optimized, ergonomic shape of the cap has comfortable grooves and ridges for a more efficient and easier tightening or removal, especially with smaller sized or gloved hands. The inverted cone form and reduced cap diameter offers significant advantages, making handling easier and safer. The shortened thread inside the cap permits faster opening and closing, but is fully compatible with standard DIN GL 45 bottles. The tried and tested cap plug sealing system ensures a liquid tight seal. A pre-defined labelling area on the cap is compatible with the dedicated DURAN® self-adhesive YOUTILITY labels. The YOUTILITY screw cap features an integrated two or three character Retrace Code to provide product traceability via a downloadable certificate. The cap is manufactured from a food grade polypropylene that is fully autoclavable and totally reusable.



## SHOW YOUR TRUE COLOURS

The colourful GL 45 Bottle Tags offer an elegant solution to the marking of laboratory bottles. The Bottle Tags can be easily and securely attached around the neck of the YOUTILITY bottle, even with the screw cap in place. The Bottle Tags feature a graspable tab that makes them easy to remove with bare or gloved hands. The silicone Bottle Tags are chemically robust, heat resistant, fully autoclavable and totally reusable. Their potential uses in the laboratory are endless; in a shared lab, tag all your bottles with your favourite colour. Or colour tag all the bottles used for a particular application or in a certain experiment. No more mix-ups. The GL 45 Bottle Tags are available in eight playful colours; red, orange, yellow, green, blue, purple, black and white. Bring some colour into your laboratory by choosing your favorite Bottle Tag.



## STEPPING UP TO THE MARK

Determining the nominal volume mark on traditional media bottles can be confusing for some users. On the four YOUTILITY bottles, the total volume is clearly and unambiguously indicated. The volume graduations and a Retrace Code are marked in durable white ceramic for a long service life.



## GOOD THINGS COME IN SMALL PACKAGES

The smaller YOUTILITY pack sizes are ideal for users with a lower usage requirement for bottles. In a response to customer demands all sizes of the YOUTILITY bottles are available in packs of four complete bottles.

**HROMalytic** +61(0)3 9762 2034  
**ECHnology** Pty Ltd

**Australian Distributors**  
Importers & Manufacturers  
[www.chromtech.net.au](http://www.chromtech.net.au)

Website NEW : [www.chromalytic.com.au](http://www.chromalytic.com.au) E-mail : [info@chromtech.net.au](mailto:info@chromtech.net.au) Tel: 03 9762 2034 . . . in AUSTRALIA



# YOUTILITY

## WELCOME TO THE 21ST CENTURY OF FUNCTIONALITY

The key components in the YOUTILITY system are the innovative DURAN® YOUTILITY borosilicate 3.3 glass bottles. Each YOUTILITY bottle has many features that significantly improve the handling and utilisation of the bottle. The specially shaped gripping zones on both sides of the bottle permit easier and safer handling. With the new glass thread, the opening or closing of the YOUTILITY bottle is significantly faster. Yet the thread remains fully compatible with DIN GL 45 closures and other accessories.

The slimmer YOUTILITY bottle shape allows a more optimal use of limited space in autoclaves and laboratory refrigerators. The bottles can be conveniently stacked horizontally on their sides. A pre-defined labelling area is compatible with the dedicated self-adhesive YOUTILITY

bottle labels. The newly designed ceramic print layout on the bottle clearly indicates the nominal volume as well as showing an easy-to-read graduation scale for the fast determination of the contents. A range of sequentially sized bottles are available in the four popular volumes of 125, 250, 500 and 1000 ml. The glass bottles are moulded from the tried and tested DURAN® borosilicate 3.3, a pharmacopoeial Type I neutral glass. DURAN® glass offers a very good chemical resistance and high temperature resistance. Bottles are available in both clear and amber coloured glass. The amber colour meets the requirements of the USP <660> and Ph. Eur. for UV light protection. The entire YOUTILITY bottle range has an integrated Retrace Code to allow product traceability via a downloadable certificate of conformance.



**CHROMalytic** +61(0)3 9762 2034  
**ECHnology** Pty Ltd

Website NEW : [www.chromalytic.com.au](http://www.chromalytic.com.au) E-mail : [info@chromtech.net.au](mailto:info@chromtech.net.au) Tel: 03 9762 2034 . . . in AUSTRALIA

**Australian Distributors**  
 Importers & Manufacturers  
[www.chromtech.net.au](http://www.chromtech.net.au)

**BOTTLE LABEL**  
 Stays on when you need it to, peels off when you don't.

**NOMINAL VOLUME**  
 Clearly and unambiguously indicated in durable white ceramic.



EXPRESS YOURSELF!

DURAN® YOUTILITY  
duran-group.com

I ♥  
YOUTILITY

DURAN® YOUTILITY  
duran-group.com



DURAN® YOUTILITY  
duran-group.com

chemical  
Attraction

DURAN® YOUTILITY  
duran-group.com

WEIGHT IT. POUR IT.  
LABEL IT. STERILIZE IT.  
  
STORE IT. READ IT.  
OPEN IT. USE IT.  
  
PEEL IT. CLEAN IT.  
REUSE IT. LOVE IT!

DURAN® YOUTILITY  
duran-group.com



DURAN® YOUTILITY  
duran-group.com

  
GRIP ADDICT!

DURAN® YOUTILITY  
duran-group.com

5	3		7		
6		1	9	5	
	9	8			6
8			6		3
4		8	3		1
7			2		6
	6			2	8
		4	1	9	5
			8		7
					9

DURAN® YOUTILITY  
duran-group.com

Serotonin  
& Dopamine  
  
Technical  
the only  
two things  
you enjoy

DURAN® YOUTILITY  
duran-group.com

Today I feel:  
.....  
.....  
.....  
.....  
.....  
.....  
.....

DURAN® YOUTILITY  
duran-group.com



DURAN® YOUTILITY  
duran-group.com



DURAN® YOUTILITY  
duran-group.com

A PLACE FOR EVERYTHING

Dedicated YOUTILITY labelling system for caps and bottles.

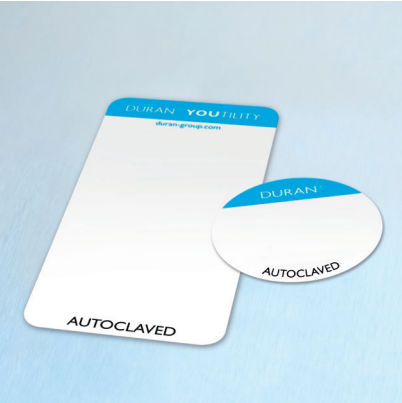
The accurate and reliable labelling of scientific samples is an integral part of the success of your laboratory. Labels carry critical information such as the description of the contents, composition, concentrations, pH, make-up date, lot number, expiry date, storage conditions, user information, and without them, your research could be unreliable and possibly invalid. Labels are the foundation of an effective laboratory bottle management process.



Laboratory bottles used to sterilise media often have an identification label together with a piece of "autoclave tape", the appearance is messy, can be difficult to remove after use.



The YOUTILITY labels conveniently combine the flexibility of a blank writable label with an autoclave/steam sterilisation Class I process indicator (ANSI/AAMI/ISO 11140-1:2005). The labels are non-hazardous, and free of toxic heavy metals.



After use, the YOUTILITY labels may be easily and completely removed by peeling. The labels are supplied in a re-sealable, splash resistant box containing a roll of 200 label sets.



The YOUTILITY bottles and caps have dedicated marked label areas. There are two types of YOUTILITY labels, one larger rectangular label that fits all four sizes of bottle, and a smaller circular label that exactly fits the YOUTILITY polypropylene screw cap. The dual labeling of bottles and caps helps to prevent sample mix-ups. The cap labels are invaluable for identifying bottles when stacked in a fridge or from above if the bottles are in a water bath.

There are many ways that bottles can be labelled. Our research indicated that users use a wide range of labelling materials and formats such as tape, pre-printed, blank labels and/or autoclave tape, for labelling bottles. Many labels used in laboratories can be difficult to remove after use, resulting in scratched bottles and extra time wasted cleaning. The YOUTILITY labels were developed to address the need for a reliable, short term method of sample, cap and bottle tracking and identification. The labels will stay on when you need them to do so, and are easy to remove when no longer required. This allows the bottles and caps to be quickly and easily cleaned, ready for re-use.

Both YOUTILITY label formats are manufactured from a tear resistant, matt white, polyester material coated with a high performance adhesive. The print receptive top surface will accept a variety of inks, including copier, printer, ballpoint and technical markers (pre-test specific ink for suitability prior to use). The labels are chemically resistant to typical laboratory chemicals such as disinfectants and many solvents. They have a wide - 40 to + 150 °C temperature performance range, making them suitable for use in fridges, freezers, autoclaves, incubators and water baths without the risk of the labels drying out or falling off.



EVERYTHING YOU NEED TO KNOW ABOUT THE  
REVOLUTIONARY YOUTILITY BOTTLE SYSTEM AT A GLANCE

Now it's your turn to choose your favourite bottle size, coloured tags, and accessories.

Any further questions or need more information? Get in touch with us at the DURAN® YOUTILITY web site [duran-youtility.com](http://duran-youtility.com).

Or contact your preferred laboratory supplier. If your supplier isn't yet part of the YOUTILITY revolution please contact us by phone or email.



DURAN® YOUTILITY ORDERING INFORMATION

Cat. No.	Nominal Volume (ml)	Description	Height (mm)	Outer Diameter (mm)	Pack Size
21 881 28 54	125	DURAN® YOUTILITY bottle, GL 45, clear glass, complete	124	55	4
21 881 36 53	250	DURAN® YOUTILITY bottle, GL 45, clear glass, complete	158	66	4
21 881 44 52	500	DURAN® YOUTILITY bottle, GL 45, clear glass, complete	193	78	4
21 881 54 57	1000	DURAN® YOUTILITY bottle, GL 45, clear glass, complete	253	93	4

Cat. No.	Nominal Volume (ml)	Description	Height (mm)	Outer Diameter (mm)	Pack Size
21 886 28 59	125	DURAN® YOUTILITY bottle, GL 45, amber; complete*	124	55	4
21 886 36 58	250	DURAN® YOUTILITY bottle, GL 45, amber; complete*	158	66	4
21 886 44 57	500	DURAN® YOUTILITY bottle, GL 45, amber; complete*	193	78	4
21 886 54 53	1000	DURAN® YOUTILITY bottle, GL 45, amber; complete*	253	93	4

\* Available from 01 July 2014

DURAN® YOUTILITY ACCESSORIES AND REPLACEMENT PARTS

Cat. No.	Description	Material and colour	Pack Size
29 229 28 02	DURAN® YOUTILITY Screw Cap GL 45	Food grade Polypropylene (PP), Cyan	10
29 241 28 08	DURAN® YOUTILITY Pouring Ring GL 45	Polypropylene (PP), Cyan	16
29 243 29 04	DURAN® Bottle Tags GL 45	Silicone, eight colours. Two Bottle Tags are supplied in each colour.	16
29 401 00 06	DURAN® YOUTILITY 200 self-adhesive label sets	White Polyester labels in a dispenser box	1 × 200 sets







**HRMalytic** +61(0)3 9762 2034  
**ECH**nology Pty Ltd  
Website NEW : [www.chromalytic.com.au](http://www.chromalytic.com.au) E-mail : [info@chromtech.net.au](mailto:info@chromtech.net.au) Tel: 03 9762 2034 . . . in AUSTRALIA

**Australian Distributors**  
Importers & Manufacturers  
[www.chromtech.net.au](http://www.chromtech.net.au)

 **DURAN GROUP**  
magic of precision





# YOUILITY – TOUCH THE FUTURE

THE DURAN® LABORATORY BOTTLE SYSTEM

**CHROMalytic** +61(0)3 9762 2034  
**ECHnology** Pty Ltd

**Australian Distributors**  
Importers & Manufacturers  
[www.chromtech.net.au](http://www.chromtech.net.au)

Website NEW : [www.chromalytic.com.au](http://www.chromalytic.com.au) E-mail : [info@chromtech.net.au](mailto:info@chromtech.net.au) Tel: 03 9762 2034 . . . in AUSTRALIA



**DURAN GROUP**  
magic of precision



## MORE THAN JUST A BETTER BOTTLE, IT'S A COMPLETE SYSTEM

Discover the way to make laboratory work easier, safer, more economical and fun.

Borosilicate 3.3 glass bottles are very widely used in scientific research for activities such as sampling, storage, mixing, media preparation and sterilisation of liquids. But often they are not given a second thought. The DURAN Group pioneered the screw threaded GL 45 DURAN® borosilicate glass laboratory bottle way back in 1972. Prior to that date most laboratory reagent bottles had been sealed by a glass stopper. Since its introduction over four decades ago, the DURAN® GL 45 laboratory bottle has become the bottle of choice for laboratories around the world.

However since then, the basic form and design of the DURAN® bottles has remained virtually unchanged.

Yet the demands on laboratory efficiency, personnel and equipment grow ever more stringent. In response to these demands, the DURAN Group initiated a project to develop a laboratory bottle system that was more suited to today's customer requirements.

After extensive market and customer research, twelve key tasks associated with laboratory bottle usage were identified. Significantly, all the tasks involved the manual handling of the bottles and caps. In addition, for most of the key tasks, the clear and unambiguous identification of the bottle and its contents was essential. Therefore the parameters targeted for improvements were

ergonomic handling, ease of use, and the development of a better method of bottle identification.

The result is the DURAN® YOUTILITY bottle system, a new generation of glass laboratory bottles for use in a wide and diverse range of scientific research applications. The innovation does not stop at the improved ergonomic bottle shape, but extends to dedicated accessories that incorporate many new innovative features to improve handling, sample identification, and ease of use. The new YOUTILITY bottle system helps to make laboratory work easier, safer, more economical and fun.



1900s – DURAN® Reagent bottle sealed with glass stopper.



1972 – DURAN® GL 45 laboratory bottle with screw cap.



2014 – DURAN® YOUTILITY laboratory bottle system.

**HROMalytic** +61(0)3 9762 2034  
**ECHnology** Pty Ltd

Website NEW : [www.chromalytic.com.au](http://www.chromalytic.com.au) E-mail : [info@chromtech.net.au](mailto:info@chromtech.net.au) Tel: 03 9762 2034 . . . in AUSTRALIA

**Australian Distributors**  
Importers & Manufacturers  
[www.chromtech.net.au](http://www.chromtech.net.au)



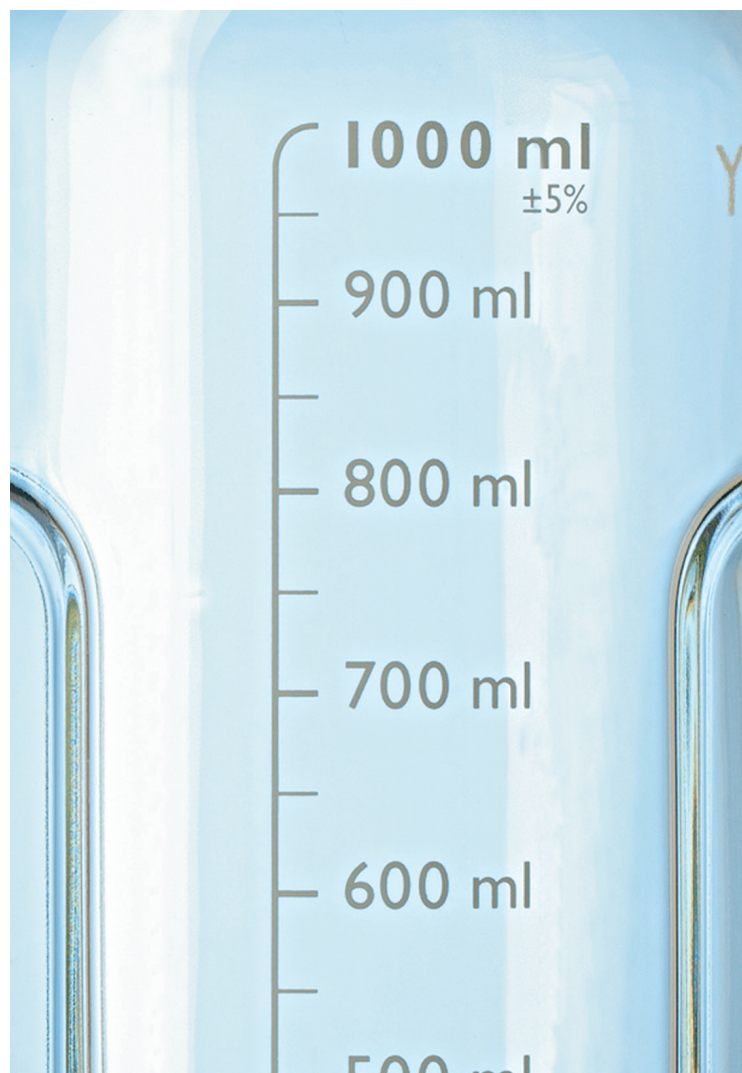
## ONE GOOD TURN DESERVES ANOTHER

The DURAN® YOUTILITY screw cap features a secure grip, fast opening, and quick closing. The optimized, ergonomic shape of the cap has comfortable grooves and ridges for a more efficient and easier tightening or removal, especially with smaller sized or gloved hands. The inverted cone form and reduced cap diameter offers significant advantages, making handling easier and safer. The shortened thread inside the cap permits faster opening and closing, but is fully compatible with standard DIN GL 45 bottles. The tried and tested cap plug sealing system ensures a liquid tight seal. A pre-defined labelling area on the cap is compatible with the dedicated DURAN® self-adhesive YOUTILITY labels. The YOUTILITY screw cap features an integrated two or three character Retrace Code to provide product traceability via a downloadable certificate. The cap is manufactured from a food grade polypropylene that is fully autoclavable and totally reusable.



## SHOW YOUR TRUE COLOURS

The colourful GL 45 Bottle Tags offer an elegant solution to the marking of laboratory bottles. The Bottle Tags can be easily and securely attached around the neck of the YOUTILITY bottle, even with the screw cap in place. The Bottle Tags feature a graspable tab that makes them easy to remove with bare or gloved hands. The silicone Bottle Tags are chemically robust, heat resistant, fully autoclavable and totally reusable. Their potential uses in the laboratory are endless; in a shared lab, tag all your bottles with your favourite colour. Or colour tag all the bottles used for a particular application or in a certain experiment. No more mix-ups. The GL 45 Bottle Tags are available in eight playful colours; red, orange, yellow, green, blue, purple, black and white. Bring some colour into your laboratory by choosing your favorite Bottle Tag.



## STEPPING UP TO THE MARK

Determining the nominal volume mark on traditional media bottles can be confusing for some users. On the four YOUTILITY bottles, the total volume is clearly and unambiguously indicated. The volume graduations and a Retrace Code are marked in durable white ceramic for a long service life.



## GOOD THINGS COME IN SMALL PACKAGES

The smaller YOUTILITY pack sizes are ideal for users with a lower usage requirement for bottles. In a response to customer demands all sizes of the YOUTILITY bottles are available in packs of four complete bottles.

**HROMalytic** +61(0)3 9762 2034  
**ECHnology** Pty Ltd

**Australian Distributors**  
Importers & Manufacturers  
[www.chromtech.net.au](http://www.chromtech.net.au)

Website NEW : [www.chromalytic.com.au](http://www.chromalytic.com.au) E-mail : [info@chromtech.net.au](mailto:info@chromtech.net.au) Tel: 03 9762 2034 . . . in AUSTRALIA



# YOUTILITY

## WELCOME TO THE 21ST CENTURY OF FUNCTIONALITY

The key components in the YOUTILITY system are the innovative DURAN® YOUTILITY borosilicate 3.3 glass bottles. Each YOUTILITY bottle has many features that significantly improve the handling and utilisation of the bottle. The specially shaped gripping zones on both sides of the bottle permit easier and safer handling. With the new glass thread, the opening or closing of the YOUTILITY bottle is significantly faster. Yet the thread remains fully compatible with DIN GL 45 closures and other accessories.

The slimmer YOUTILITY bottle shape allows a more optimal use of limited space in autoclaves and laboratory refrigerators. The bottles can be conveniently stacked horizontally on their sides. A pre-defined labelling area is compatible with the dedicated self-adhesive YOUTILITY

bottle labels. The newly designed ceramic print layout on the bottle clearly indicates the nominal volume as well as showing an easy-to-read graduation scale for the fast determination of the contents. A range of sequentially sized bottles are available in the four popular volumes of 125, 250, 500 and 1000 ml. The glass bottles are moulded from the tried and tested DURAN® borosilicate 3.3, a pharmacopoeial Type I neutral glass. DURAN® glass offers a very good chemical resistance and high temperature resistance. Bottles are available in both clear and amber coloured glass. The amber colour meets the requirements of the USP <660> and Ph. Eur. for UV light protection. The entire YOUTILITY bottle range has an integrated Retrace Code to allow product traceability via a downloadable certificate of conformance.



**CHROMalytic** +61(0)3 9762 2034  
**ECHnology** Pty Ltd

Website NEW : [www.chromalytic.com.au](http://www.chromalytic.com.au) E-mail : [info@chromtech.net.au](mailto:info@chromtech.net.au) Tel: 03 9762 2034 . . . in AUSTRALIA

**Australian Distributors**  
 Importers & Manufacturers  
[www.chromtech.net.au](http://www.chromtech.net.au)

**BOTTLE LABEL**  
 Stays on when you need it to, peels off when you don't.

**NOMINAL VOLUME**  
 Clearly and unambiguously indicated in durable white ceramic.



EXPRESS YOURSELF!

DURAN® YOUTILITY  
duran-group.com

I ♥ YOUTILITY

DURAN® YOUTILITY  
duran-group.com



DURAN® YOUTILITY  
duran-group.com

chemical Attraction

DURAN® YOUTILITY  
duran-group.com

WEIGHT IT. POUR IT.  
LABEL IT. STERILIZE IT.  
  
STORE IT. READ IT.  
OPEN IT. USE IT.  
  
PEEL IT. CLEAN IT.  
REUSE IT. LOVE IT!

DURAN® YOUTILITY  
duran-group.com



DURAN® YOUTILITY  
duran-group.com

  
GRIP ADDICT!

DURAN® YOUTILITY  
duran-group.com

5	3		7		
6		1	9	5	
	9	8			6
8			6		3
4		8	3		1
7			2		6
	6			2	8
		4	1	9	5
			8		7
					9

DURAN® YOUTILITY  
duran-group.com

Serotonin  
& Dopamine  
  
Technical  
the only  
two things  
you enjoy

DURAN® YOUTILITY  
duran-group.com

Today I feel:  
.....  
.....  
.....  
.....  
.....  
.....  
.....

DURAN® YOUTILITY  
duran-group.com



DURAN® YOUTILITY  
duran-group.com



DURAN® YOUTILITY  
duran-group.com

A PLACE FOR EVERYTHING

Dedicated YOUTILITY labelling system for caps and bottles.

The accurate and reliable labelling of scientific samples is an integral part of the success of your laboratory. Labels carry critical information such as the description of the contents, composition, concentrations, pH, make-up date, lot number, expiry date, storage conditions, user information, and without them, your research could be unreliable and possibly invalid. Labels are the foundation of an effective laboratory bottle management process.



Laboratory bottles used to sterilise media often have an identification label together with a piece of "autoclave tape", the appearance is messy, can be difficult to remove after use.

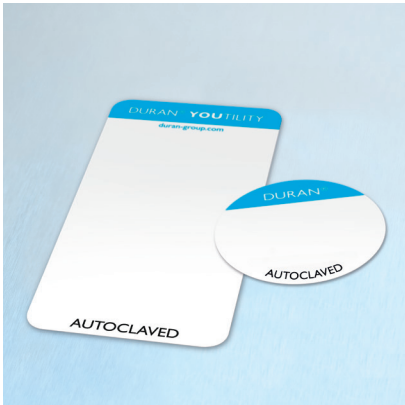


The YOUTILITY bottles and caps have dedicated marked label areas. There are two types of YOUTILITY labels, one larger rectangular label that fits all four sizes of bottle, and a smaller circular label that exactly fits the YOUTILITY polypropylene screw cap. The dual labeling of bottles and caps helps to prevent sample mix-ups. The cap labels are invaluable for identifying bottles when stacked in a fridge or from above if the bottles are in a water bath.

There are many ways that bottles can be labelled. Our research indicated that users use a wide range of labelling materials and formats such as tape, pre-printed, blank labels and/or autoclave tape, for labelling bottles. Many labels used in laboratories can be difficult to remove after use, resulting in scratched bottles and extra time wasted cleaning. The YOUTILITY labels were developed to address the need for a reliable, short term method of sample, cap and bottle tracking and identification. The labels will stay on when you need them to do so, and are easy to remove when no longer required. This allows the bottles and caps to be quickly and easily cleaned, ready for re-use.

Both YOUTILITY label formats are manufactured from a tear resistant, matt white, polyester material coated with a high performance adhesive. The print receptive top surface will accept a variety of inks, including copier, printer, ballpoint and technical markers (pre-test specific ink for suitability prior to use). The labels are chemically resistant to typical laboratory chemicals such as disinfectants and many solvents. They have a wide - 40 to + 150 °C temperature performance range, making them suitable for use in fridges, freezers, autoclaves, incubators and water baths without the risk of the labels drying out or falling off.

The YOUTILITY labels conveniently combine the flexibility of a blank writable label with an autoclave/steam sterilisation Class I process indicator (ANSI/AAMI/ISO 11140-1:2005). The labels are non-hazardous, and free of toxic heavy metals.



After use, the YOUTILITY labels may be easily and completely removed by peeling. The labels are supplied in a re-sealable, splash resistant box containing a roll of 200 label sets.

EVERYTHING YOU NEED TO KNOW ABOUT THE  
REVOLUTIONARY YOUTILITY BOTTLE SYSTEM AT A GLANCE

Now it's your turn to choose your favourite bottle size, coloured tags, and accessories.

Any further questions or need more information? Get in touch with us at the DURAN® YOUTILITY web site [duran-youtility.com](http://duran-youtility.com).

Or contact your preferred laboratory supplier. If your supplier isn't yet part of the YOUTILITY revolution please contact us by phone or email.



DURAN® YOUTILITY ORDERING INFORMATION

Cat. No.	Nominal Volume (ml)	Description	Height (mm)	Outer Diameter (mm)	Pack Size
21 881 28 54	125	DURAN® YOUTILITY bottle, GL 45, clear glass, complete	124	55	4
21 881 36 53	250	DURAN® YOUTILITY bottle, GL 45, clear glass, complete	158	66	4
21 881 44 52	500	DURAN® YOUTILITY bottle, GL 45, clear glass, complete	193	78	4
21 881 54 57	1000	DURAN® YOUTILITY bottle, GL 45, clear glass, complete	253	93	4

Cat. No.	Nominal Volume (ml)	Description	Height (mm)	Outer Diameter (mm)	Pack Size
21 886 28 59	125	DURAN® YOUTILITY bottle, GL 45, amber; complete*	124	55	4
21 886 36 58	250	DURAN® YOUTILITY bottle, GL 45, amber; complete*	158	66	4
21 886 44 57	500	DURAN® YOUTILITY bottle, GL 45, amber; complete*	193	78	4
21 886 54 53	1000	DURAN® YOUTILITY bottle, GL 45, amber; complete*	253	93	4

\* Available from 01 July 2014

DURAN® YOUTILITY ACCESSORIES AND REPLACEMENT PARTS

Cat. No.	Description	Material and colour	Pack Size
29 229 28 02	DURAN® YOUTILITY Screw Cap GL 45	Food grade Polypropylene (PP), Cyan	10
29 241 28 08	DURAN® YOUTILITY Pouring Ring GL 45	Polypropylene (PP), Cyan	16
29 243 29 04	DURAN® Bottle Tags GL 45	Silicone, eight colours. Two Bottle Tags are supplied in each colour.	16
29 401 00 06	DURAN® YOUTILITY 200 self-adhesive label sets	White Polyester labels in a dispenser box	1 × 200 sets







**HRMalytic** +61(0)3 9762 2034  
**ECH**nology Pty Ltd  
Website NEW : [www.chromalytic.com.au](http://www.chromalytic.com.au) E-mail : [info@chromtech.net.au](mailto:info@chromtech.net.au) Tel: 03 9762 2034 . . . in AUSTRALIA

**Australian Distributors**  
Importers & Manufacturers  
[www.chromtech.net.au](http://www.chromtech.net.au)

 **DURAN GROUP**  
magic of precision





**DURAN GROUP**  
magic of precision

**CHROM**alytic +61(0)3 9762 2034  
**ECH**nology Pty Ltd

Website NEW : [www.chromalytic.com.au](http://www.chromalytic.com.au) E-mail : [info@chromtech.net.au](mailto:info@chromtech.net.au) Tel: 03 9762 2034 . . . in AUSTRALIA

**Australian Distributors**  
Importers & Manufacturers  
[www.chromtech.net.au](http://www.chromtech.net.au)

DURAN® GLS 80  
GLASS BOTTLES WITH WIDE  
NECK

Large, wide neck ideal for filling  
and pouring.



## GREATER CONVENIENCE FOR EVERYDAY LAB WORK

We have extended our DURAN® laboratory glassware range. Our new wide neck glass bottles with large, 80 mm diameter neck size are available in six different sizes. All sizes are also available in amber for light-sensitive media.

This range also features a selection of quick-release caps.



Website NEW : [www.chromalytic.com.au](http://www.chromalytic.com.au) E-mail : [info@chromotech.net.au](mailto:info@chromotech.net.au) Tel: 03 9762 2034 . . . in AUSTRALIA

**HRM**alytic **ECH**nology Pty Ltd  
+61(0)3 9762 2034

**Australian Distributors**  
Importers & Manufacturers  
[www.chromotech.net.au](http://www.chromotech.net.au)

## ENDLESS APPLICATIONS

DURAN® GLS 80 wide neck glass bottles are extremely versatile: ideal for pouring, filling, mixing, preparing, storing, transporting, dispatching, taking samples in the field and hot filling, whether in the laboratory or in production.



## SAFE AND EASY TO USE

The DURAN® GLS 80 laboratory glassware range features a specially developed screw thread. The matching quick-release cap allows the bottle to be easily opened and closed with a minimum of turns.

The 80 mm wide neck facilitates easy and safe charging and removal of powders, pastes, granules and liquids. Spoons, spatulas and tweezers can be manipulated with ease. Even large-volume funnels can be inserted into the bottles without any difficulty. The wide neck also makes cleaning the bottles particularly easy.



## SPECIAL FEATURES OF THE DURAN® GLS 80 WIDE NECK GLASS BOTTLE

**Wide neck screw thread** – 80 mm diameter; special thread design for rapid opening and closing.

**Inert and chemically resistant** – exceptional properties of DURAN® eliminate problems with ion leaching.

**Mechanical strength** – the sturdy design of these wide neck bottles enhances safety and service life.

**Sterilisable** – excellent thermal properties for autoclaving and dry sterilization.

**Transparency** – contents and volume can be visually checked with ease.

**Traceability** – the eight-digit batch code allows the bottles to be traced back to the point of production, including the matching batch. The end-user can use the corresponding item number to retrieve a batch and quality certificate for any DURAN® laboratory bottle at any time via the Internet.

**Stability** – the large, stable base area allows for safe and easy storage.

**Labelling** – provided with a printed white panel for labelling the contents.

**Graduated** – convenient, easy-to-read graduations indicating volume.

EU Design  
No. 381983



Website NEW : [www.chromalytic.com.au](http://www.chromalytic.com.au) E-mail : [info@chromotech.net.au](mailto:info@chromotech.net.au) Tel: 03 9762 2034 . . . in AUSTRALIA

**Australian Distributors**  
Importers & Manufacturers  
[www.chromotech.net.au](http://www.chromotech.net.au)

**HRMalytic** +61(0)3 9762 2034  
**ECHnology Pty Ltd**

## SPECIAL ADVANTAGES OF THE GLS 80 QUICK-RELEASE CAP

**User-friendly** – the special thread design enables the bottle to be opened and closed quickly with less than two turns of the cap.

**Temperature-resistant** – the polypropylene cap is autoclavable up to 140° C.

**Matching pouring ring** – for drip-free pouring





The DURAN® GLS 80 wide neck glass bottle is available in three versions – simply choose the most suitable bottle for your requirements.

## THE VERSATILE DURAN® GLS 80 BOTTLE

The wide opening for safe and easy handling of powders and liquids makes the DURAN® GLS 80 bottle a versatile partner for all routine laboratory applications.

Choose from six different bottle sizes, complete with quick-release plastic cap and pouring ring.



Description	Capacity ml	diameter mm	height* mm	Pack unit	Item no.
GLS 80 laboratory bottle	500	101	148	10	1112627
GLS 80 laboratory bottle	1,000	101	218	10	1112713
GLS 80 laboratory bottle	2,000	136	248	10	1112715
GLS 80 laboratory bottle	5,000	182	311	1	1113949
GLS 80 laboratory bottle	10,000	227	395	1	1113950
GLS 80 laboratory bottle	20,000	288	483	1	1113951
GLS 80 pouring ring, blue, PP		77	7	10	1160166

\* without  
cap

**Website NEW :** [www.chromalytic.com.au](http://www.chromalytic.com.au) **E-mail :** [info@chromotech.net.au](mailto:info@chromotech.net.au) **Tel:** 03 9762 2034 . . . in AUSTRALIA

**HRMalytic** +61(0)3 9762 2034  
**ECHnology** Pty Ltd

**Australian Distributors**  
**Importers & Manufacturers**  
[www.chromotech.net.au](http://www.chromotech.net.au)

## THE LIGHT-PROOF AMBER DURAN® GLS 80 BOTTLE

The amber DURAN® laboratory bottle protects media from light in the 300 nm – 500 nm wavelength range. This makes it particularly useful for working with light-sensitive media and for the long-term storage of substances.

- UV protection up to approx. 500 nm light wavelength
- only the outer surface of the glass is tinted, ensuring that the DURAN® properties on the inside remain unchanged
- special heat treatment ensures that the amber tint is durable and chemically resistant
- available in sizes ranging from 500 ml to 20,000 ml

Description	Capacity ml	diameter mm	height* mm	Pack unit	Item no.
GLS 80 laboratory bottle, amber	500	101	148	10	1160146
GLS 80 laboratory bottle, amber	1,000	101	218	10	1160147
GLS 80 laboratory bottle, amber	2,000	136	248	10	1160148
GLS 80 laboratory bottle, amber	5,000	182	311	1	1160149
GLS 80 laboratory bottle, amber	10,000	227	395	1	1160150
GLS 80 laboratory bottle, amber	20,000	288	483	1	1160151





# THE PLASTIC-COATED DURAN® GLS 80 PROTECT

Ideal for handling particularly valuable or dangerous materials. The plastic coating (PU) on DURAN® GLS 80 Protect provides effective protection during routine laboratory work and retains the contents if the glass becomes damaged.

- scratch-, leak- and shatter-resistant
- high transparency
- temperature range – 30° C to + 140° C
- autoclavable
- suitable for use in microwaves
- stable and durable

Description	Capacity ml	diameter mm	height* mm	Pack unit	Item no.
GLS 80 Protect laboratory bottle	500	101	148	10	1160152
GLS 80 Protect laboratory bottle	1,000	101	218	10	1160163
GLS 80 Protect laboratory bottle	2,000	136	248	10	1160164
GLS 80 Protect laboratory bottle	5,000	182	311	1	1160165

\*without cap



**HRM**alytic +61(0)3 9762 2034  
**ECH**nology Pty Ltd  
Website NEW : [www.chromalytic.com.au](http://www.chromalytic.com.au) E-mail : [info@chromotech.net.au](mailto:info@chromotech.net.au) Tel: 03 9762 2034 . . . in AUSTRALIA

**Australian Distributors**  
Importers & Manufacturers  
[www.chromotech.net.au](http://www.chromotech.net.au)

# DURAN® FOR GREATER SAFETY

## Chemical resistance

- hydrolytic-resistant to DIN ISO 719, Class I
- neutral glass/ Type I glass in compliance with USP/EP
- acid-resistant to DIN 12 116, Class I
- alkali-resistant to DIN ISO 695, Class 2

## Temperature resistance

- up to max. 500° C
- high thermal shock resistance ( $\Delta$  100 K)
- ideal for hot filling and carrying out sterilisation procedures (autoclaving)
- suitable for use in microwaves

## Quality control

Our professional quality control features

- uniform wall thickness distribution
- bubble- and streak-free glass
- precise dimensions and narrow tolerances



There are several good reasons for choosing DURAN® GLS 80 wide neck glass bottles. Compared with plastic bottles, DURAN® glass bottles with their proven material properties offer a wealth of benefits.

DURAN® GLS 80 wide neck bottles: see for yourself!



*Attach tubes simply and conveniently using the flexible modular system – ideal for transferring liquids.*

## THE FLEXIBLE MULTI-PORT SYSTEM FOR DURAN® GLS 80 WIDE NECK GLASS BOTTLES

The multi-port system consists of a GLS 80 screw cap with four ports. The tubes are fed through these ports and secured with inserts and screw connections. There is a choice of 5 inserts, each with different internal diameter depending on the application. Unused ports can be fitted with a blanking cap, if necessary. Sterile pressure compensation can be achieved using the membrane filter set (0.2 µm pore size).

The inserts and GL18 screw connections hold the tubes securely in place, eliminating problems caused by slippage, e. g. in HPLC plants. The sealed cap system reduces evaporation of media and keeps out impurities.

- standard GLS 80 screw thread
- five different tube diameters
- versatile components
- blanking caps for unused ports
- made from proven PP and PTFE
- autoclavable (temperature-resistant up to approx. 140°C)
- flexible, modular system



Website NEW : [www.chromalytic.com.au](http://www.chromalytic.com.au) E-mail : [info@chromotech.net.au](mailto:info@chromotech.net.au) Tel: 03 9762 2034 . . . in AUSTRALIA

**HRM**  
alytic  
**ECH**  
nology  
Pty Ltd

**Australian Distributors**  
Importers & Manufacturers  
[www.chromotech.net.au](http://www.chromotech.net.au)

Item no. 1160176

1170682



1160167



1160174



1160173



1160172



1160171



1160170



1160169





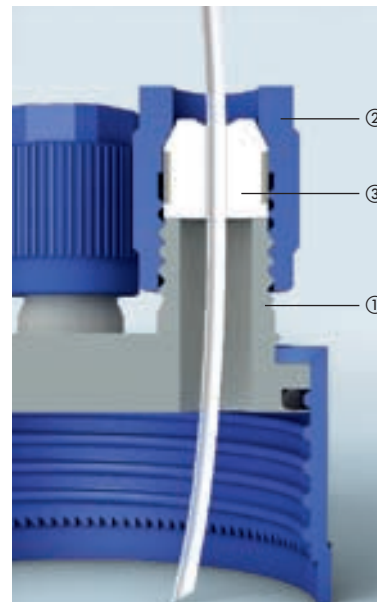
#### SAMPLE ORDER:

You want to fit two DURAN® GLS 80 bottles with a 4-port system. You want to work with two different tube diameters (3.2 mm and 10 mm) and pressure equalisation. The redundant fourth port is fitted with a screw cap.

You will need the following individual components (1, 2, 3 are shown in the illustration):

- ① GLS 80 screw cap with 4 ports (item no. 1160176) 1x [pack unit 2 pieces]
- ② GL 18 screw cap for tube connection, blue (item no. 1160174) 2x [pack unit 2 pieces]
- ③ GL 18 insert for screw cap, 3.2 mm iØ, (item no. 1160169) 2x [pack unit 1 piece]
- ④ GL 18 insert for screw cap, 10.0 mm iØ, (item no. 1160172) 2x [pack unit 1 piece]
- ⑤ Pressure compensation set (complete), (item no. 1160167) 2x [pack unit 1 piece]
- ⑥ GL 18 screw cap, red (item no. 1170682) 1x [pack unit 2 pieces]

Description	Thread	diameter mm	height* mm	Pack unit	Item no.
GL 18 screw cap with 4 ports	GLS 80	86	~ 60	2	1160176
Insert for screw cap, iØ 3.2 mm	GL 18			1	1160169
Insert for screw cap, iØ 6.0 mm	GL 18			1	1160170
Insert for screw cap, iØ 8.0 mm	GL 18			1	1160171
Insert for screw cap, iØ 10.0 mm	GL 18			1	1160172
Insert for screw cap, iØ 12.0 mm	GL 18			1	1160173
Screw cap for tube connection, blue	GL 18			2	1160174
Pressure compensation set for 4-port	GL 18			1	1160167
Screw cap, red	GL 18			2	1170682



Website NEW : [www.chromalytic.com.au](http://www.chromalytic.com.au) E-mail : [info@chromotech.net.au](mailto:info@chromotech.net.au) Tel: 03 9762 2034 . . . in AUSTRALIA

**HRM**  
alytic  
ECH  
nology  
Pty Ltd  
+61(0)3 9762 2034

**Australian Distributors**  
Importers & Manufacturers  
[www.chromotech.net.au](http://www.chromotech.net.au)

*The membrane cap is both gas-permeable and liquid-tight.*

THE PERMEABLE MEMBRANE CAP FOR  
DURAN® GLS 80 WIDE NECK GLASS BOTTLES

The membrane screw-cap features a sterile membrane for pressure compensation. The cap is ideal for autoclaving and for storing or transporting gas-forming substances. Since pressure compensation takes place through the membrane, the membrane cap can be screwed on tightly during autoclaving, significantly reducing the risk of contamination. Since the membrane prevents the entry of liquids and solids, the contents of the bottle remain sterile.

- for all GLS 80 screw threads
- made from proven PP material with welded-on PTFE membrane (0.2 µm)
- temperature-resistant to +140° C
- 2-way membrane with pressure equalisation from 0.1 bar
- ideal for autoclaving
- ideal for storing gas-forming media

Description	Thread	diameter mm	height mm	Pack unit	Item no.
Membrane cap, blue, PP	GLS 80	86	40	2	1160168



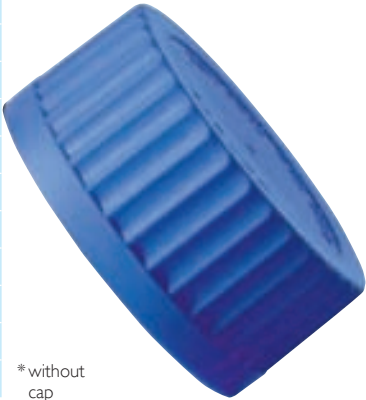


All DURAN® GLS 80 wide neck bottles, membrane caps and multi-port systems can be ordered directly from your laboratory supplier using the item numbers below.

AT A GLANCE: PRODUCT OVERVIEW

Bottles

Description	Capacity ml	diameter mm	height* mm	Pack unit	Item no.
GLS 80 Laboratory bottle	500	101	148	10	1112627
GLS 80 Laboratory bottle	1,000	101	218	10	1112713
GLS 80 Laboratory bottle	2,000	136	248	10	1112715
GLS 80 Laboratory bottle	5,000	182	311	1	1113949
GLS 80 Laboratory bottle	10,000	227	395	1	1113950
GLS 80 Laboratory bottle	20,000	288	483	1	1113951
GLS 80 Laboratory bottle, amber	500	101	148	10	1160146
GLS 80 Laboratory bottle, amber	1,000	101	218	10	1160147
GLS 80 Laboratory bottle, amber	2,000	136	248	10	1160148
GLS 80 Laboratory bottle, amber	5,000	182	311	1	1160149
GLS 80 Laboratory bottle, amber	10,000	227	395	1	1160150
GLS 80 Laboratory bottle, amber	20,000	288	483	1	1160151
GLS 80 Protect laboratory bottle	500	101	148	10	1160152
GLS 80 Protect laboratory bottle	1,000	101	218	10	1160163
GLS 80 Protect laboratory bottle	2,000	136	248	10	1160164
GLS 80 Protect laboratory bottle	5,000	182	311	1	1160165



\*without cap

**HRM**  
alytic  
**ECH**  
nology  
Pty Ltd

Website NEW : [www.chromalytic.com.au](http://www.chromalytic.com.au) E-mail : [info@chromotech.net.au](mailto:info@chromotech.net.au) Tel: 03 9762 2034

Australian Distributors  
Importers & Manufacturers  
[www.chromotech.net.au](http://www.chromotech.net.au)

in AUSTRALIA

## Caps and accessories

Description	Thread	diameter mm	height mm	Pack unit	Item no.
Quick-release cap, PP	GLS 80	86	40	10	1112716
Pouring, blue, PP	GLS 80	77	7	10	1160166
Membrane cap, PP	GLS 80	86	40	2	1160168
GL 18 screw cap with 4 ports	GLS 80	86	~ 60	2	1160176
Insert for screw cap, iØ 3.2 mm	GL 18			1	1160169
Insert for screw cap, iØ 6.0 mm	GL 18			1	1160170
Insert for screw cap, iØ 8.0 mm	GL 18			1	1160171
Insert for screw cap, iØ 10.0 mm	GL 18			1	1160172
Insert for screw cap, iØ 12.0 mm	GL 18			1	1160173
Screw cap for tube connection, blue	GL 18			2	1160174
Pressure equalisation set for 4-port	GL 18			1	1160167
Screw cap, red	GL 18			2	1170682







**DURAN GROUP**  
magic of precision