

DURAN[®] YOUTILITY[®]

DESIGNED FOR YOU



PART OF THE **DURAN[®]** BOTTLE SYSTEM



**DURAN
WHEATON
KIMBLE**

Excellence in your hands



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 sterilization of liquids. But often they are not given a second thought. DWK Life Sciences 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, DWK Life Sciences 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® **YOU**TILITY® bottle, 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 **YOU**TILITY® bottle helps to make laboratory work easier, safer, more economical and fun.



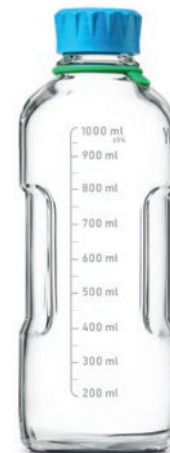
1900s

DURAN® Reagent Bottle
sealed with glass stopper



1972

DURAN® Original GL 45 Bottle
with screw cap



2014

DURAN® **YOU**TILITY® Bottle
with ergonomic screw cap

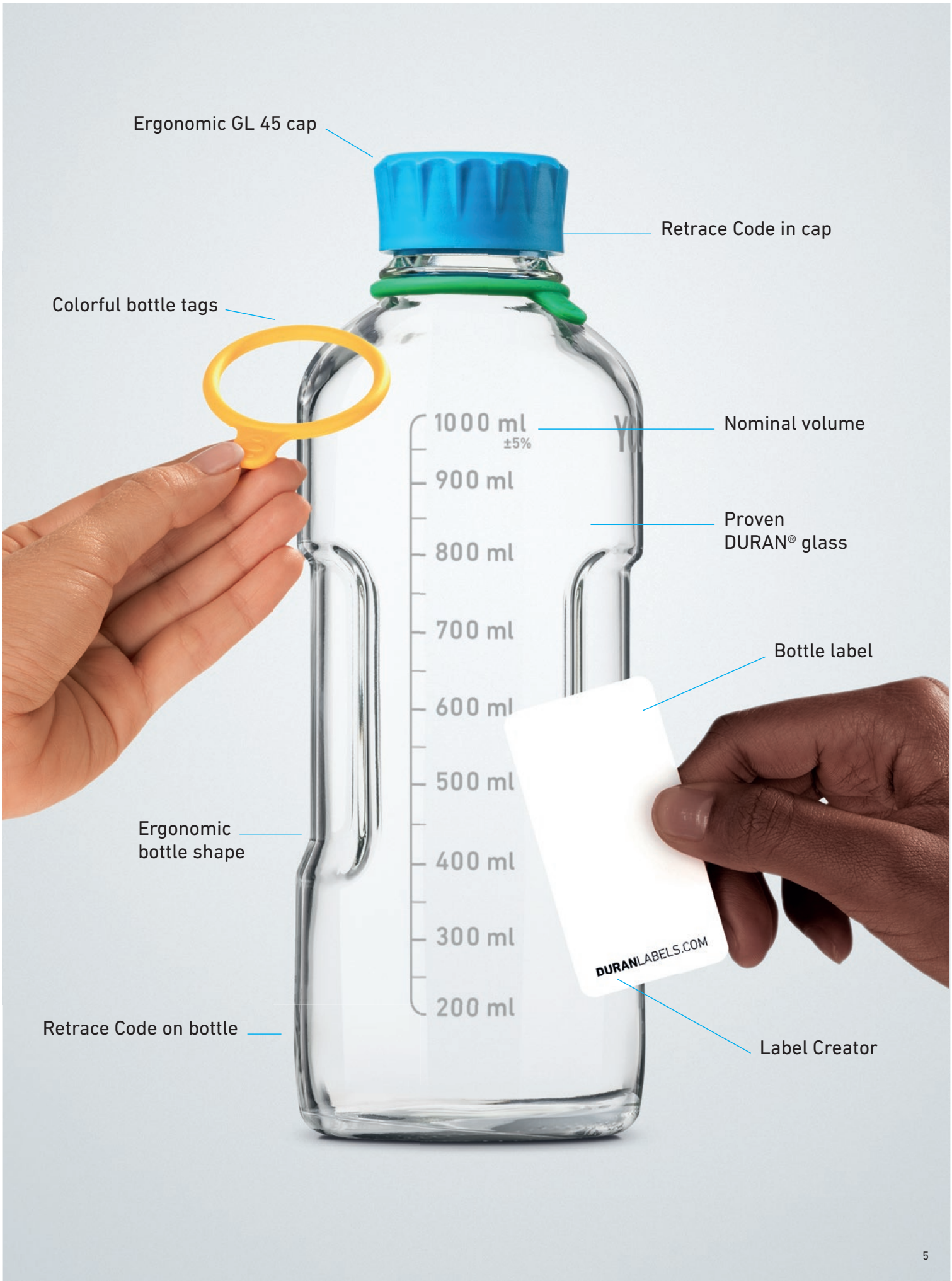
DURAN® YOUTILITY®

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 utilization 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 labeling 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 molded from the tried and tested DURAN® borosilicate 3.3, a pharmacopoeial Type 1 neutral glass. DURAN® glass offers a very good chemical resistance and high temperature resistance. Bottles are available in both clear and amber colored glass. The amber color 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.





Ergonomic GL 45 cap

Retrace Code in cap

Colorful bottle tags

Nominal volume

Proven
DURAN® glass

Bottle label

Ergonomic
bottle shape

DURANLABELS.COM

Label Creator

Retrace Code on bottle

SHOW YOUR TRUE COLORS

The colorful 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 favorite color. Or color 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 colors; red, orange, yellow, green, blue, purple, black and white. Bring some color 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.

ONE GOOD TURN DESERVES ANOTHER

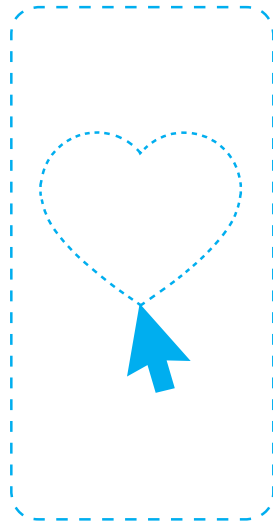
The DURAN® **YOUTILITY**® screw cap features a secure grip, fast opening, and quick closing. The optimized, ergonomic shape of the cap has comfortable grooves and ridges for a more efficient and easier tightening or removal, especially with smaller sized or gloved hands. The inverted cone form and reduced 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. 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.



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.

CREATE
YOUR
LABELS
ONLINE
AT
DURANLABELS.COM



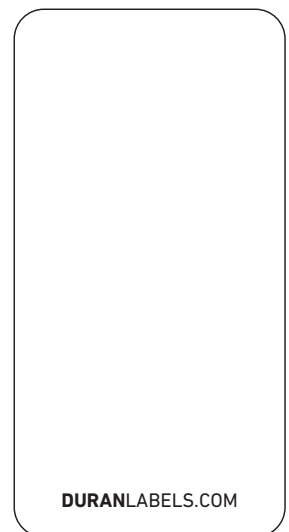
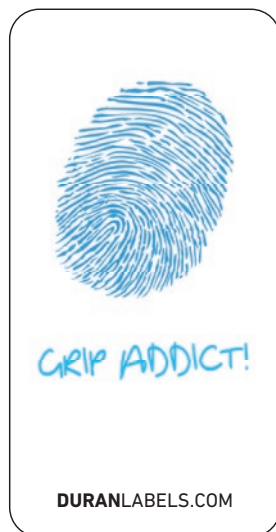
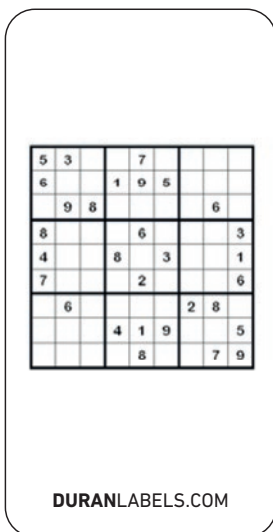
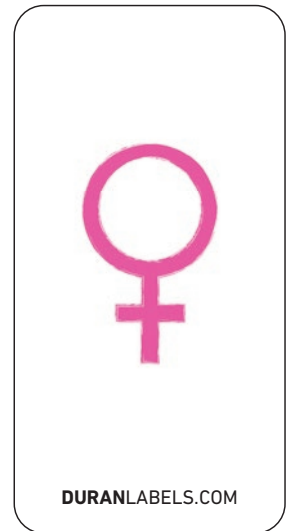
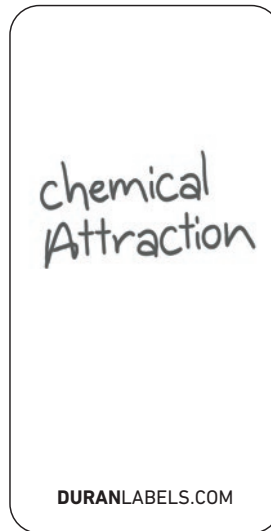
DESIGN



PRINT



STICK





EXPRESS YOURSELF!

Printable **YOUTILITY**® labels and label creator web app

The accurate and reliable labeling 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.

There are many ways that bottles can be labeled. Our research indicated that users use a wide range of labeling materials and formats such as tape, pre-printed, blank labels and / or autoclave tape, for labeling 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, 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 to be quickly and easily cleaned, ready for re-use. An easy-to-use label creator web app is available to design, and print your own label designs: www.duranlabels.com

The printable **YOUTILITY**® labels 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 temperature performance range (-40 to +150 °C), 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 robust DURAN® **YOUTILITY**® identification labels are suitable for use with the **YOUTILITY**® bottle, plus many other types of laboratory glassware, such as GL 45 bottles, beakers and conical flasks.

After use, the **YOUTILITY**® labels may be easily and completely removed by peeling. The labels are supplied in a re-sealable, pack of 100 labels on five A4 sheets.

ALL YOU NEED TO KNOW ABOUT DURAN® YOUTILITY®

Now it's your turn to choose your favorite bottle size, colored tags, and accessories. Any further questions or need more information? Get in touch with us at the DURAN® YOUTILITY® website: www.duran-youtility.com



DURAN® YOUTILITY® BOTTLE GL 45

CLEAR GLASS, SUPPLIED WITH **YOUTILITY®** CAPS AND POURING RINGS

Volume (ml)	h (mm)	d (OD) (mm)	Pack Unit	Cat. No.
125	124	55	4	21 881 28 54
250	158	66	4	21 881 36 53
500	193	78	4	21 881 44 52
1000	253	93	4	21 881 54 57

DURAN® YOUTILITY® BOTTLE GL 45

AMBER GLASS, SUPPLIED WITH **YOUTILITY®** CAPS AND POURING RINGS

Volume (ml)	h (mm)	d (OD) (mm)	Pack Unit	Cat. No.
125	124	55	4	21 886 28 59
250	158	66	4	21 886 36 58
500	193	78	4	21 886 44 57
1000	253	93	4	21 886 54 53

Screw Cap GL 45
cyan



Screw Cap GL 45
white



Membrane Screw Cap GL 45
cyan



Bottle Tags GL 45
various colors



Printable Labels
white



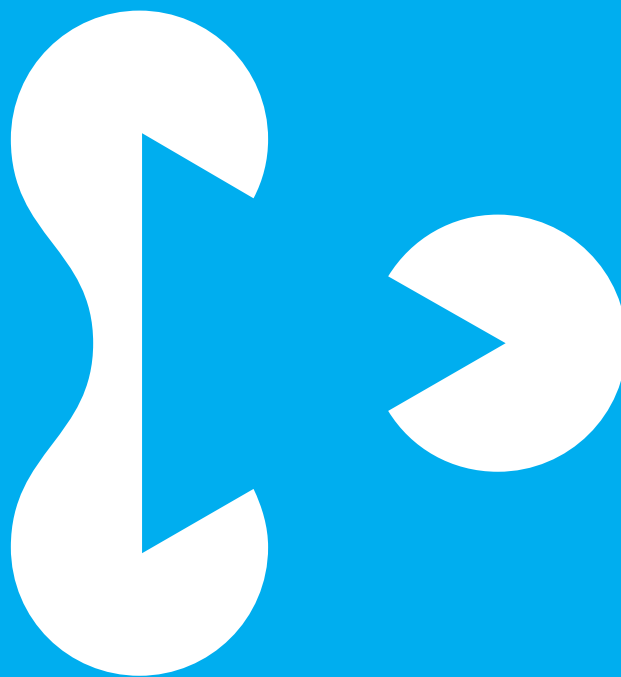
ACCESSORIES AND REPLACEMENT PARTS

Description	Material and color	Pack Unit	Cat. No.
DURAN® YOU TILITY ® Screw Cap GL 45	Food grade Polypropylene (PP), cyan	10	29 229 28 02
NEW DURAN® YOU TILITY ® Screw Cap GL 45 USP Class VI compliant	Biocompatible USP Class VI Polypropylene (PP), white	10	29 229 28 27
NEW DURAN® YOU TILITY ® Sterile Venting Membrane Screw Cap GL 45 ePTFE pore size 0.2 µm	Food grade Polypropylene (PP), cyan	4	29 116 28 07
DURAN® YOU TILITY ® Pouring Ring GL 45	Food grade Polypropylene (PP), cyan	16	29 241 28 08
NEW DURAN® YOU TILITY ® Printable Identification Labels	Polyester (PS), 36 x 70 mm, white	1 x 100 labels	29 401 02 03
DURAN® Bottle Tags GL 45 Mixed colors	Silicone, Eight colors: two bottle tags each color	16	29 243 29 04
DURAN® Bottle Tags GL 45 Red	Silicone, red color only	20	29 243 28 18
DURAN® Bottle Tags GL 45 Orange	Silicone, orange color only	20	29 243 28 26
DURAN® Bottle Tags GL 45 Yellow	Silicone, yellow color only	20	29 243 28 34
DURAN® Bottle Tags GL 45 Green	Silicone, green color only	20	29 243 28 42
DURAN® Bottle Tags GL 45 Blue	Silicone, blue color only	20	29 243 28 59
DURAN® Bottle Tags GL 45 Purple	Silicone, purple color only	20	29 243 28 67
DURAN® Bottle Tags GL 45 Black	Silicone, black color only	20	29 243 28 75
DURAN® Bottle Tags GL 45 White	Silicone, white color only	20	29 243 28 83

DURAN® BOTTLE SYSTEM

Discover our wide range of borosilicate glass 3.3 laboratory bottles in different sizes, with closures, liquid transfer caps and accessories.

Explore more:
www.duran-bottle-system.com



DWK Life Sciences GmbH
Hattenbergstraße 10
55122 Mainz
Germany

Phone: +49 6131 - 1445 4131
Fax: +49 6131 - 1445 4016
sales@DWK.com
www.DWK.com

