



**DURAN
WHEATON
KIMBLE**

Excellence in your hands

CHANGES EVERYTHING



**GOOD
DESIGN**

As awarded by The Chicago Athenaeum:
Museum of Architecture and Design.

Made in Germany
duran-group.com

DURAN® TILT
THE MEDIA BOTTLE SYSTEM

DURAN® *TILT*

TURNING **USABILITY** INTO **SECURITY**

Biosafety cabinets and clean hoods are essential for working with cell cultures under sterile conditions. Unfortunately, they make the handling of media bottles difficult and time-consuming for researchers. The DURAN® *TILT* bottle changes everything. The *TILT* bottle has two positions: upright for filter sterilization or storage, and tilted at 45° for pipetting. Take a look at cell culture media from a new angle and discover a bottle system that eases handling and turns usability into security.

Space saving shape
for fridge storage and
water baths

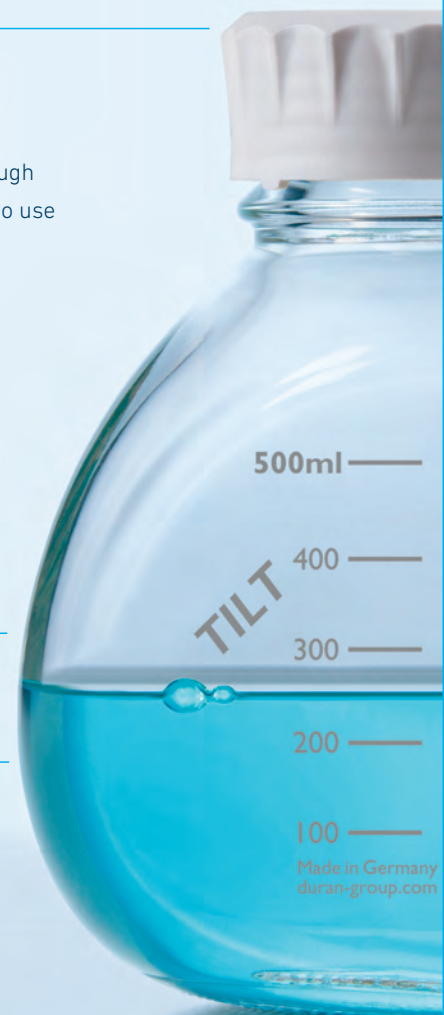
The stable and space-saving 500 ml bottle
is perfect for fridge storage, or for warming
media in a water bath.

Low bottle height
for easy handling in
safety cabinets

The compact bottle is easy to put through
the gap under the sash, and is easier to use
inside the hood.

Borosilicate 3.3 glass
for reusability and lower
whole life costs

DURAN® borosilicate 3.3 glass is a tried and trusted material certified as non-cytotoxic (according to ISO 10993-5:2009). DURAN® glass does not leach any organic molecules that might affect the culturing of cells. In addition, DURAN® glass may be depyrogenated to destroy endotoxins using dry heat or chemical based methods.

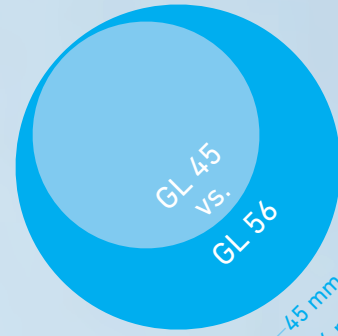


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0°

**45° TILT position
for pipetting without
holding the bottle**

Tilt the bottle to its 45° position
for pipetting instead of holding
it in your hand.



**100 % bigger opening
for easy pipetting**

The GL 56 mouth is 100 % larger than
the GL 45. It accommodates even
large volume pipettes (100 ml) and
helps avoid contamination.

**GL 56 mouth and screw cap
for safer handling**

The wide mouth ensures safe and easy pipet-
ting. The ergonomic cap is easy to open and
close. Made from non-cytotoxic materials.

**Tilted volume indicators
for convenience**

The clear markings show the volume in both
tilted and upright positions and are visible
from both sides, for the convenience of left
and right-handed users.

**Vacuum resistant bottle
for safe filter sterilization**

The bottle is vacuum resistant and may be
safely used for the filter sterilization of media.

45°



OPTIMIZE YOUR WORKFLOW BY **TILTING**

0°



FILTERING

In the upright position, the DURAN® **TILT** bottle system is ideal for filter sterilizing or clarifying cell culture media. Low bottle height is practical in the biosafety cabinet. DURAN® GL 45 thread adaptor allows any 45 mm filter units to be used with DURAN® **TILT** bottle.

45°



PIPETTING

In the 45° tilted position, the DURAN® **TILT** bottle makes pipetting of media easier under the hood. The innovative design enables both good aseptic and ergonomic practice.



DURAN® bottle top vacuum filtration units

Designed for sterilization or clarification of aqueous cell culture media. Supplied as a filter funnel only unit for use with the DURAN® **TILT** bottle (with GL 45 thread adaptor) or 45 mm media bottles. Comes in three different asymmetric pore sizes (0.1 µm, 0.2 µm, or 0.45 µm). Raised molded graduation marks for easy volume reading. Manufactured in a Class 100,000 clean room from Class VI, non-cytotoxic materials. Supplied sterile.



DURAN® GL 45 thread adaptor (re-usable)

The re-usable adaptor (GL 45 external / GL 56 internal) allows the use of the DURAN® **TILT** bottle with 45 mm filtration units for the filter sterilization of cell culture media. Manufactured from inert PTFE; can be autoclaved and depyrogenated at 300 °C.

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DURAN® *TILT* ACCESSORIES



DURAN® *TILT* GL 56 cap labels

Careful labeling is very important to prevent mix-ups and mistakes. The GL 56 self-adhesive cap labels can be used to clearly indicate the separate bottles of media for each cell line, preventing possible cross-contamination.



DURAN® GL 56 Bottle Tags

The Bottle Tags can be used on their own for color identification or to secure the protective Light Shield around the bottle. The GL 56 Bottle Tags are available in four colors (orange, yellow, blue and purple).



DURAN® *TILT* protective Light Shield

The DURAN® *TILT* Light Shield is a white silicone sleeve that covers 94% of the bottle surface. The sleeve has a number of protective functions: it blocks damaging ultraviolet (UV) light, protects the glass surface from damage, and facilitates safer handling. Silicone provides a much better grip than glass; especially when the bottle has been sprayed with 70% alcohol for surface disinfection.



ORDERING INFORMATION

DURAN® *TILT* – MEDIA BOTTLE

Description	Glass thread	Height (incl. cap)	Pack size	Cat. No.
DURAN® <i>TILT</i> Bottle, clear glass Complete with white GL 56 polypropylene screw cap 500 ml (supplied non-sterile)	GL 56	151 mm	4	21 891 44 59

DURAN® *TILT* – ACCESSORIES AND REPLACEMENT PARTS

Description	Material / Color	Pack size	Cat. No.
DURAN® <i>TILT</i> Light Shield includes four GL 56 Bottle Tags (Orange, Yellow, Blue, Purple)	Silicone / White and mixed colors	4	29 243 56 01
DURAN® GL 56 Bottle Tag Orange	Silicone / Orange	20	29 243 56 26
DURAN® GL 56 Bottle Tag Yellow	Silicone / Yellow	20	29 243 56 34
DURAN® GL 56 Bottle Tag Blue	Silicone / Blue	20	29 243 56 59
DURAN® GL 56 Bottle Tag Purple	Silicone / Purple	20	29 243 56 67
DURAN® GL 45 thread adaptor for bottle top vacuum filtration unit (GL 45 external, GL 56 internal)	PTFE / White	1	29 119 56 01
DURAN® <i>TILT</i> GL 56 self-adhesive identification label for screw cap, 40 mm diameter	Polyester / White	60	29 401 56 04
DURAN® <i>TILT</i> GL 56 screw cap	Polypropylene / White	10	29 229 56 02

DURAN® BOTTLE TOP VACUUM FILTRATION UNITS

Description	Membrane pore size	Filter diameter	Pack size	Cat. No.
DURAN® 500 ml Funnel Only 45 mm thread, Gamma sterilized >> GL 45 thread adaptor available separately – see accessories	0.1 µm PES	90 mm	12	29 270 28 18
	0.2 µm PES	90 mm	12	29 270 28 26
	0.45 µm PES	90 mm	12	29 270 28 42

