

# 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 pipetting.  
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 sterilisation**

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

45°



# OPTIMISE YOUR WORKFLOW BY **TILTING**

0°



## FILTERING

In the upright position, the DURAN® **TILT** bottle system is ideal for filter sterilising 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 moulded 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 sterilisation of cell culture media. Manufactured from inert PTFE; can be autoclaved and depyrogenised at 300 °C.

# DURAN® *TILT* CHANGES EVERYTHING



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# DURAN® *TILT* ACCESSORIES



## DURAN® *TILT* GL 56 cap labels

Careful labelling 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 colour identification or to secure the protective Light Shield around the bottle. The GL 56 Bottle Tags are available in four colours (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 / Colour	Pack size	Cat. No.
DURAN® <i>TILT</i> Light Shield includes four GL 56 Bottle Tags (Orange, Yellow, Blue, Purple)	Silicone / White and mixed colours	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	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

>> GL 45 thread adaptor available separately – see accessories





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