

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.

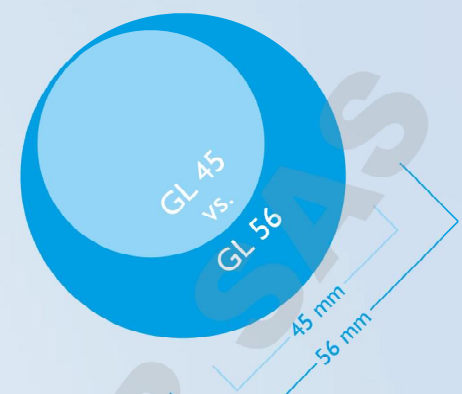


Made in Germany
duran-group.com

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



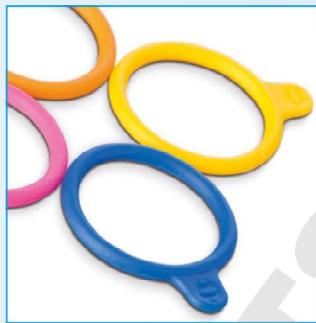
Made in Germany
duran-group.com

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





DURAN Group GmbH

Hattenbergstraße 10

55122 Mainz

Germany

Tel.: +49 (0)6131 1445 4131

Fax: +49 (0)6131 1445 4016

sales@duran-group.com

www.duran-group.com