



# Testing Flasks BLAUBRAND® for Dispenser

Quick and easy dispenser function check!

BRAND. For lab. For life.®



- + Quick and easy usage
- + For use with common bottle-top dispensers
- + Available for dispensers from 10 ml to 100 ml

# Get to know the Testing Flasks

Malfuction of bottle-top dispensers, such as a case in which residues cause valves to stick, can cause significant volume deviations and consequently wrong results. BRAND testing flasks with 3 volume marks let you make a quick function check of your bottle-top dispenser.

The mark in the middle shows the nominal volume; the upper and lower marks show the specified error limits ( $EL = A + 2 CV$  for  $A < \pm 0.5 \%$  and  $CV < 0.1 \%$ ). If the meniscus of the dispensed nominal volume falls between the upper and lower error limits, the dispenser is functioning correctly.

If the dispensed volume exceeds the error limits, we recommend careful cleaning of the instrument, or, if necessary, following of the troubleshooting procedure described in the operating manual. Then, perform a gravimetric volume test as per the manufacturer's instructions. If this gravimetric volume test also returns results outside of the error limits, please contact the manufacturer. The dispenser may need to be sent in for repair.



## Ordering information

### Volumetric flasks, 3 marks, DAkkS certificate

BLAUBRAND®, class A, DE-M, Boro 3.3, DIN EN ISO 1042. Calibrated to contain (TC, In). Incl. DAkkS-certificate. With PP stopper. Pack of 1. Delivery date to be agreed upon.

Capacity ml	Upper/lower mark ± ml	Neck inner-Ø mm	Neck size	Cat. No.
10	0,070	7 ± 1	NS 10/19*	38204
25	0,175	9 ± 1	NS 10/19	38206
50	0,35	11 ± 1	NS 12/21	38208
100	0,70	13 ± 1	NS 14/23	38210



\* enlarged ground joint  
Further sizes on request.

USER  
TIP

## Function check of the Dispensette® bottle-top dispenser



### Function check of the Dispensette® bottle-top dispenser:

If the dispenser is adjustable, preset it on the nominal volume. Prime the dispenser completely until no air bubbles remain in the glass cylinder or discharge tube. Now fill the dispenser carefully up to the upper limit, slowly dispense the liquid in one movement into the cleaned volumetric flask, and wipe off the discharge tube tip into the flask. If the meniscus appears between the markings of upper and lower error limit, the dispenser is operating properly.

Meniscus reading can be facilitated by raising slowly a piece of dark paper behind the flask until just below the meniscus. If the lowest point of the meniscus touches the upper edge of the upper or lower error limit, then the result is marginally within tolerances.

### In case of error:

Repeat the experiment if the meniscus is located outside of the error limits. If, after the second attempt, the meniscus still is located outside of the error limits it could be either caused by a faulty dispenser or by improper operation. We recommend looking for the cause of the error by following the troubleshooting procedure described in the operating manual and, if necessary, cleaning the bottle-top dispenser carefully. Please subsequently perform a gravimetric volume test as described in the SOP.

If this gravimetric volume test also returns results outside of the error limits, please contact the manufacturer. The dispenser may be faulty and may need to be sent for repair.

### Cleaning::

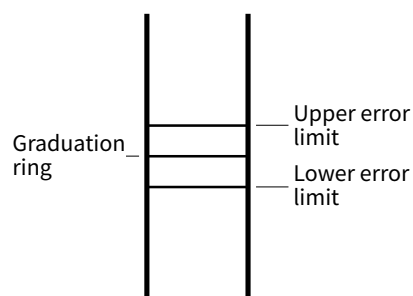
Fill the volumetric flask completely with a 3% Mucosal® solution (ca. 2.5 ml Mucosal® per 100 ml water) and let it soak for 1 day before rinsing it vigorously 10 times with tap water and 5 times with deionized water.

On the last rinse with deionized water, hold the volumetric flask vertically and check whether the water is draining off without leaving drops at the wall. The volumetric flask is clean when the water leaves no drops on the inside surface of the flask neck when it runs out. The cleaning procedure must be repeated if any drops of water remain on the wall.

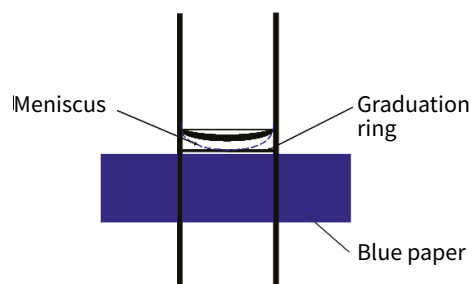
### Drying:

Place the volumetric flask upside-down in a drying rack and let it dry overnight.

### Volumetric flask, DAkkS calibrated



### Reading the meniscus



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