

## VITROCELL® Leak Tester

### Must-have device for aerosol research – easy and efficient leak detection

Regular leak tests are mandatory in aerosol research. A leak caused by a forgotten connection or defective o-ring may have a significant influence on the aerosol exposure process.

We recommend to carry out a leak test prior to the experiment and as part of cleaning or service routine.

The respective leakage rate is expressed in mm/60 s of fluid drop in the test column. If the instrument is connected to a closed system, this rate determines the amount of air entering the system from the outside as induced by a leak.



The drop of fluid in mm/60 s from the setpoint mark indicates the leakage rate.

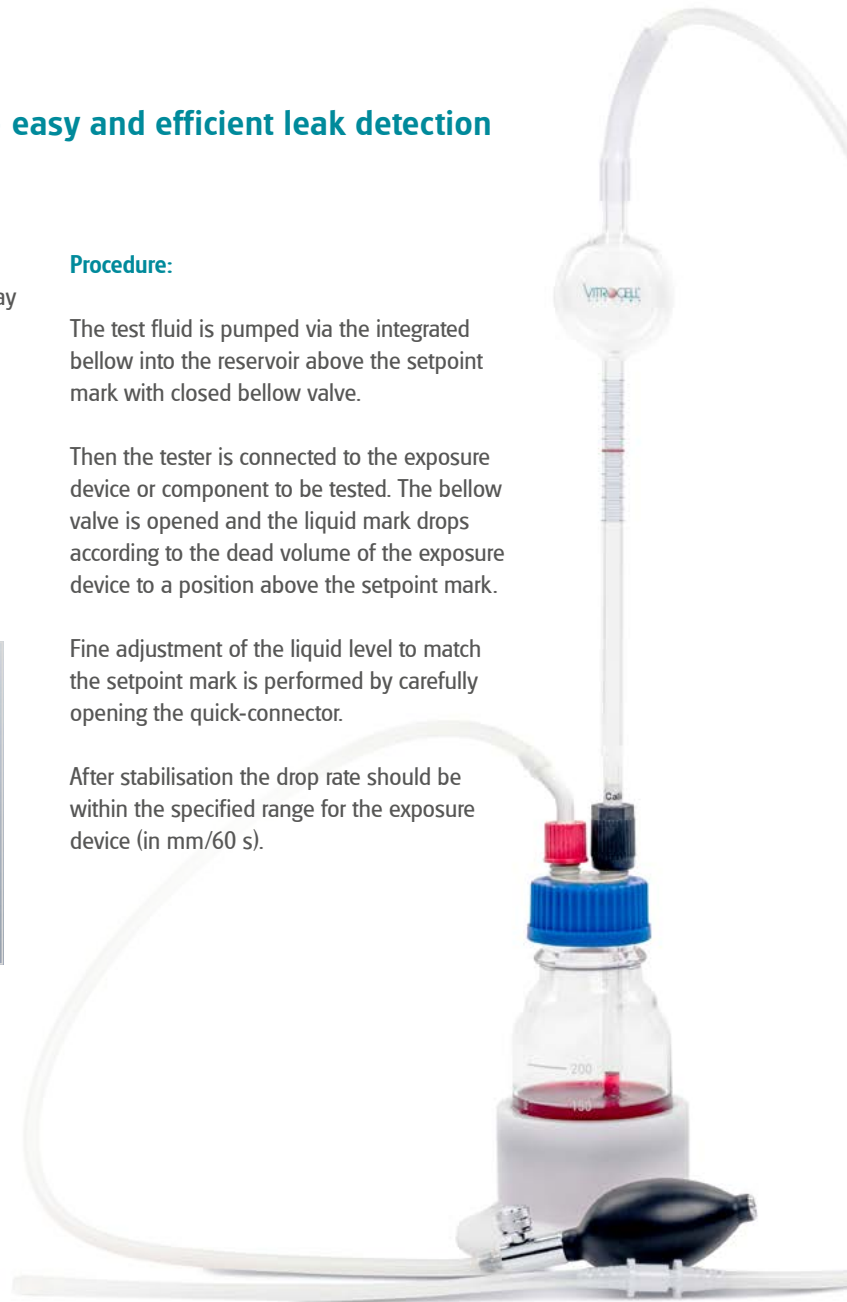
#### Procedure:

The test fluid is pumped via the integrated bellow into the reservoir above the setpoint mark with closed bellow valve.

Then the tester is connected to the exposure device or component to be tested. The bellow valve is opened and the liquid mark drops according to the dead volume of the exposure device to a position above the setpoint mark.

Fine adjustment of the liquid level to match the setpoint mark is performed by carefully opening the quick-connector.

After stabilisation the drop rate should be within the specified range for the exposure device (in mm/60 s).



#### Key Features:

- Easy and sensitive method
- Applicable for all aerosol ducts and exposure modules
- Precise setting on setpoint mark due to bellow with venting valve
- Solid pod for safe positioning of the device