

DiluCup™

Pre-Filled Sterile Diluting media

Dilucup – a new way of handling serial dilutions of bacteriological samples.



The traditional way

Today, the normal way of diluting a bacteriological sample in 1: 10, 1: 100, 1: 1000 etc., is to prepare your own test tubes (glass tubes). These tubes are filled with a diluting media, for example pepton + salt.

The tubes are sterilized by using an autoclave and then stored in a refrigerator to prevent bacterial growth. After used, the glass tubes are washed and cleaned in order to be ready to be filled again.

To prepare, clean and fill and sterilize test tubes for serial dilution, is both time consuming and expensive.

The traditional continuous handling of test tubes in serial dilution procedures can cause shoulder and wrist strain.

LabRobot Products AB has developed a new concept that makes serial dilutions easier, faster, more cost efficient, and ergonomically correct.

We call it The Dilucup Concept.

The Dilucup consists on a unique plastic container pre-filled with a sterile diluting media used in combination with a special shaker, the Dilushaker.

The Dilucup is manufactured under controlled conditions and, thereafter sterilized with gamma radiation.

This guaranties a high quality standard.

All Dilucups are supplied with a quality certificate, specific for each batch.

The Dilucup is delivered in rows of 9 containers, each filled with 9 ml diluting media. It is easy to separate the number of Dilucups needed.

The Dilucups are placed on the table of the Dilushaker, (there are two table models; one for 25 and another for 45 Dilucups).

The Dilucups are opened by tearing off the film covering the holes in the lids.

When the Dilushaker is turned on, the liquid in all Dilucups rotates.

A sample of 1 ml is added to the first cup and is instantly mixed with the media. After changing the pipette tip, 1 ml of sample is withdrawn from the first cup and added to the second. With the Dilushaker operating the process is repeated until the wanted dilution factor is achieved.



* Zisy Ltd reserve the right to change the design without prior notice as part of the ongoing design process.

COST SAVING

Calculating all costs for producing own dilution tubes the cost saving by using Dilucup will be considerable.

TIME SAVING

The time it takes to make a dilution using Dilucup is more or less dependent on how fast one can change pipette tips.

No more moving of tubes back and forth to the vortex mixer.

The calculated timesaving is >40 % compared to the traditional way.

PREVENTING WORKING INJURIES

Holding the tube while it shakes on the Vortex mixer and moving it back and forth can cause severe working injuries.



INCREASED QUALITY

By using high precision filling machine, gamma sterilization, and an accurate quality control, a higher quality product can be guaranteed.

The Dilucups are supplied with a quality certificate for each batch.

EASY TO STORE AND LONG DURABILITY

The Dilucups can be stored at room temperature.

The expiring date is more than six months after manufacturing, when kept in sealed aluminium package. When not sealed, the aluminium package with the Dilucups should be kept refrigerated.



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