Overview of competitors to LabRobot

Dilution Cups



Dilution Systems



Spiral Platers







Dilution Tubes









Integrated Systems



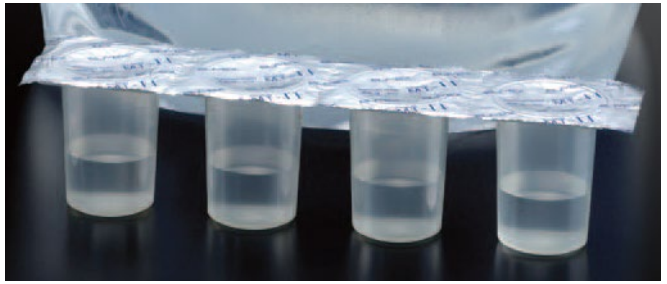
Dilution Cups

www.elmex.co.jp and www.shankebio.com

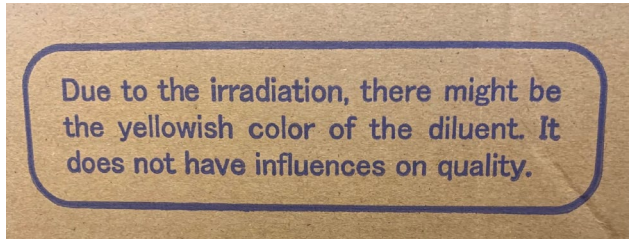
Products

Ready-to-use sterilized diluents sold in cups:

- MT-11PBS (9 ml of PBS)
- MT-11 (9 ml of sodium chloride)











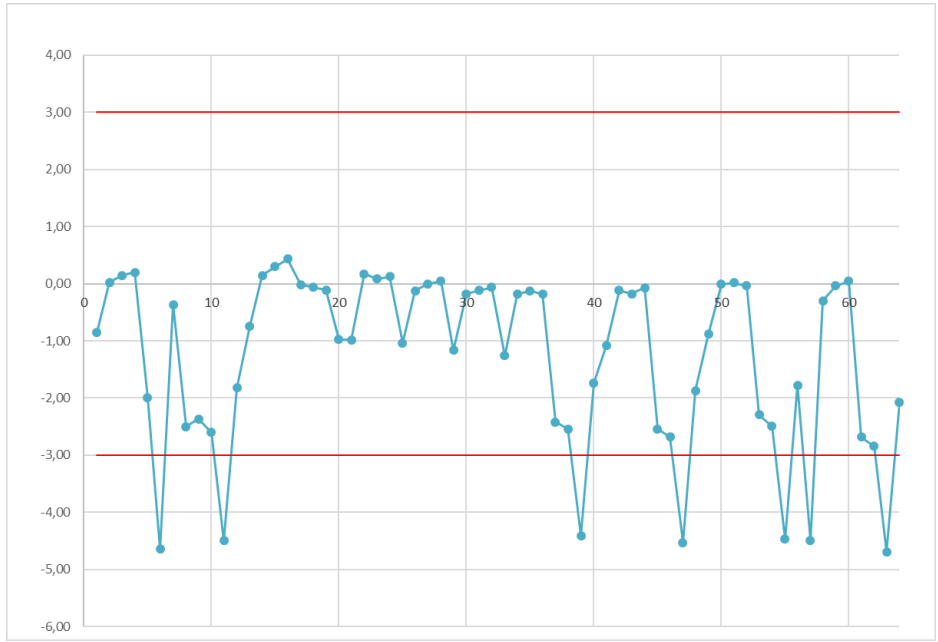




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MT-11PBS test

- 7 of 64 tested cups outside volume tolerance interval (± 3 %)
- Most cups contained less than 9 ml
- Average of -1.26 % deviation from 9 ml for all 64 tested cups (half a box)
- pH was assessed on 3 cups and was found to be 7.26 (specification 7.1 ± 0,5)



HyServe
GmbH & Co. K.G.

Hechenrainer Str.24
82449 Uffing am Staffelsee
Germany

0049-8846- 1344
0049-8846-1342
www.HyServe.com
info@hyserve.com

Certificate of Analysis

Product	Dilution rack for Compact Dry
ID-No.	1 000 888
Lot Number	8G4884
Expiry Date	31.04.2020

Test	Specifications	Results*
Aseptic test	No growth of any bacteria Checked by PCA and PDA	No growth Corresponds
pH value	7,1 ± 0,5	7,3 Corresponds
Appearance: Liquid	Clear, slight yellow liquid	Clear, slight yellow liquid Corresponds
Appearance: Bottle/Cup	No visible particle	No visible particle Corresponds
Labels	Correct position; correct printing	Correct position; correct printing
Net weight	9,0 ± 0,3 g	9,1 g; Corresponds
NaCl Content	0,85 ± 0,1 %	0,9 %; Corresponds
Leakage	No leak; 0,03 Mpa for 30 minutes	No leakages Corresponds

This lot meets the specifications.

Date: 01.08.2018 Dr. Stephan Speidel

This product is produced in the ISO 9001 certified production facility.

*Data is obtained either by OEM partner or HyServe.

INLABTEC www.inlabtech.com

Products

- Serial Diluter TA (for 1 ml pipette tips, 1-6 dilutions)
- Serial Diluter TA12 (for 1 ml pipette tips, 1-12 dilutions)
- Serial Diluter SA (for pipette straws, 1-6 dilutions)
- Serial Diluter UA (for any pipette tips, 1-6 dilutions) **NEW 2019**

- All of the serial diluters require manual pipetting.
- Tubes and cups are replaced by single-use sterile bags.
- The serial diluters are consisting of a dispenser unit and a bag holder. The dispenser unit is connected to a bottle with diluent placed nearby.
- Sterile serial dilution bags (sold separately) are placed into the bag holder and opened by a simple hand operation. After pipetting 1 ml of sample into one bag a dispensing arm is placed atop, dispensing 9 ml to obtain the first dilution. The same procedure is subsequently repeated for all dilutions.
- Processing speed is specified to be <4 s per dilution and approximately 45 s for 6 dilutions.
- iNLABTECH has validated that the mixing of the sample is sufficient, despite that there is no vortex/shaking.
- The new Serial Diluter UA includes an integrated bag mixer.



https://iul-instruments.com

Product

Eddy Jet 2W – Spiral plater

- Automatic plater using the spiral method. This method is based on depositing the sample to be analyzed on a petri dish placed on a rotating platform.
- By doing this it is possible to analyze samples without diluting them as much as would otherwise be necessary using the traditional plating method.
- Uses disposable patented sterile micro syringes to take the sample liquid from a beaker.
- After dispensing the sample onto the rotating agar plate the sample-contaminated syringe is discarded.
- The disposable micro syringes makes cleaning cycles unnecessary, which saves time.



don whitley scientific https://www.dwscientific.com

Product

Whitley Automated Spiral Plater (WASP2)

- Automatic plater using the spiral method. This method is based on depositing the sample to be analyzed on a petri dish placed on a rotating platform.
- Between samples cleaning cycles are necessary to avoid cross-contamination.



don whitley scientific https://www.dwscientific.com

Product

Dilucup® WASP Touch

- Spiral plater adapted to use together with Dilucup.
- An adapted WASP Touch to permit sample aspiration from an individual Dilucup. The turntable direction of rotation has been reversed on this model.
- Operational software is unchanged from the standard WASP Touch, except that sample aspiration from a tube/bottle has been disabled.



interscience for microbiology www.interscience.com

Product

easySpiral Dilute®

- Automatic plater using the spiral method. This method is based on depositing the sample to be analyzed on a petri dish placed on a rotating platform.
- Between samples cleaning cycles are necessary to avoid cross-contamination.
- What makes the easySpiral Dilute® a more concrete threat to the Dilucup System compared to previous versions is that it can perform the actual dilution of samples automatically.



BIOMÉRIEUX https://www.biomerieux.com/

Product

TEMPO System®

- Developed to replace serial dilutions, media preparation and tedious plate reading with a simple 1/10 dilution and automated enumeration based on the MPN method (Most Probable Number).
- The cost of the Tempo System (both equipment and consumables), and its limitation to some food matrices and some parameters, are the main reasons for its slow development in the market.



Biokar diagnostics | BIO-RAD | ThermoFisher SCIENTIFIC | 3M Science. Applied to Life.™ | BIOMÉRIEUX

Product

Ready-to-use dilution tubes





- Ready-to-use prefilled and sterilized tubes containing 9 ml of various diluents.
- Because of the big competition on this market, dilution tubes are often sold at low price.
- A supplier, who wants to secure a significant volume of sales of selective agars or diagnostic kits, can offer in parallel the dilution tubes with huge discounts.
- Volume deviation from 9 ml seems to be slightly higher compared to Dilucup (in-house test LabRobot).

Thank you for your attention!