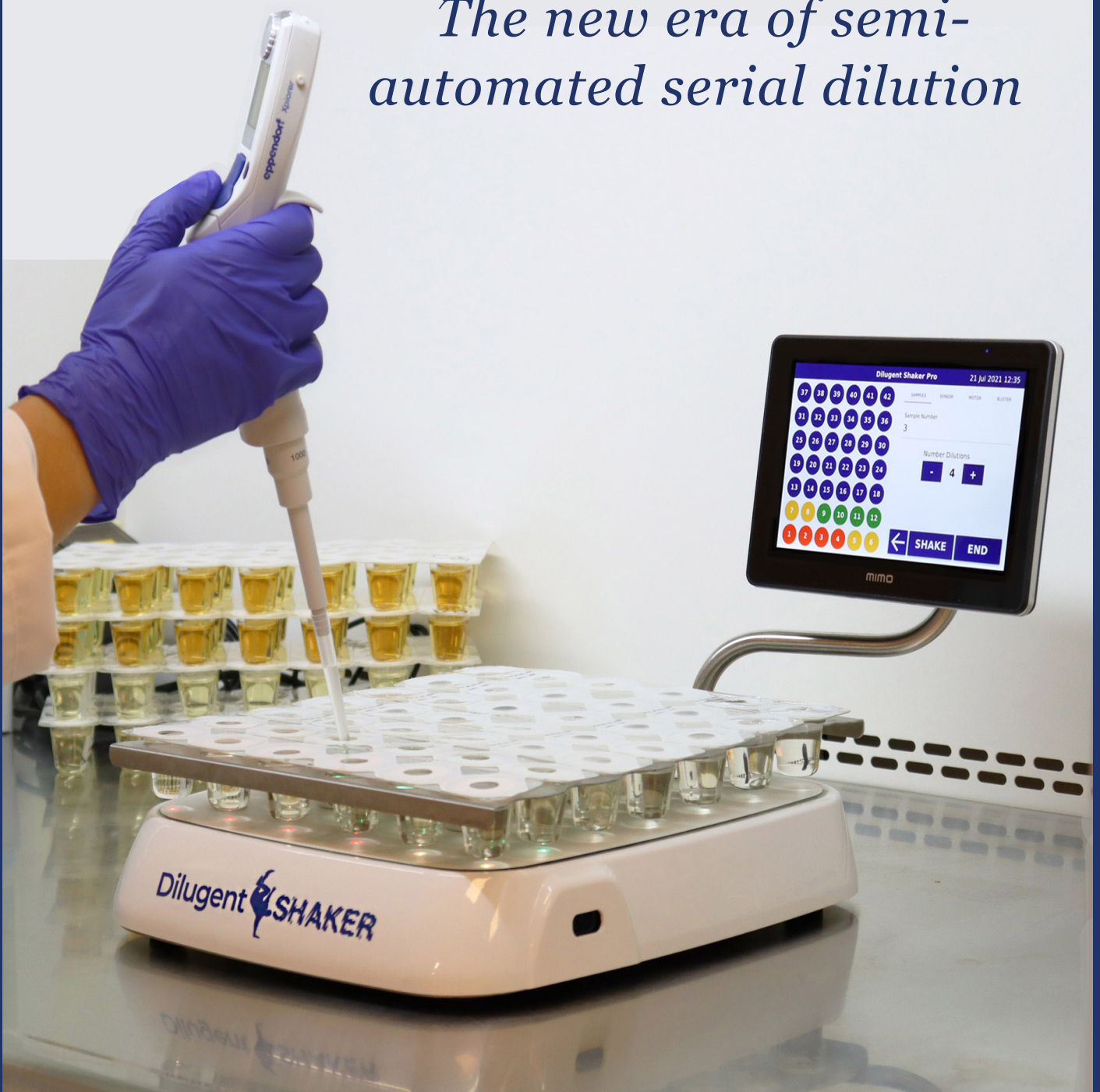


Dilucup[®] System

The new era of semi-automated serial dilution



Contents

Optimize your serial dilution

Dilucup® System

Standardize your results

Dilucup® Elegance

Diligent® Shaker

The first traceable dilution system

Diligent® Shaker is available in 3 models

Dilushaker III *digital*

Contact information

Optimize your serial dilution process



DILUCUP® SYSTEM ALLOWS STANDARDIZATION OF THE DILUTION PROCESS AND REDUCES VARIABILITY BETWEEN TECHNICIANS

Dilucup® System

SAVE TIME

Reduces technician labor time and cost; allows them to reallocate saved time to other activities



COST SAVING

Due to increased effectivity



EASY TO USE

Ready-to-use Dilucups® and intuitive instruments



TRACEABILITY AND AUTOMATION

Reproducible system increases quality of the results



PREVENT INJURIES

The shakers eliminate repetitive motion concerns; great from an employer perspective



SAVE STORAGE AND TRANSPORT SPACE

Thanks to Dilucup® compact design



MADE IN SWEDEN





STANDARDIZE YOUR RESULTS



Easy as 1, 2, 3!

- 1 Add 1mL of sample to the first Dilucup®
- 2 Start the shaking
- 3 Collect 1mL to the next Dilucup®

Dilucup® Elegance

Dilucup® Elegance is a small container pre-filled with **9 mL of sterile diluent**.

A thin film guarantees the sterility and **right volume** in the cups.

The design of the cups allows its **rotation at high speed** without spilling on Dilushaker III or Dilugent® Shaker.

Dilucup® is available in blisters of seven rows of either three or six cups.



STERILIZED BY
IRRADIATION

EASY
PEEL-OFF
FILM

THE WHITE
FILM KEEPS THE
SOLUTION IN THE CUP
WHEN SHAKING



**30 MONTH
SHELF LIFE**

LabRobot offers 3 standard Dilucup® Elegance products, but other diluents can be ordered on request.

Dilucup® Elegance MRD (Maximum Recovery Diluent)

Composition: Peptones 1 g/L, NaCl 8.5 g/L, Buffers / pH: 7.0 ± 0.2

40DEM RD3 3 cups/row, 9.0 mL ± 2 %
672 total cups/box (2 bags x 16 blisters x 21 Dilucups®)

40DEM RD6 6 cups/row, 9.0 mL ± 2 %
672 total cups/box (2 bags x 8 blisters x 42 Dilucups®)

40DEM RD993 3 cups/row, 9.9 mL ± 2 %
672 total cups/box (2 bags x 16 blisters x 21 Dilucups®)

Dilucup® Elegance BPW (Buffered Peptone Water)

Composition: Peptones 10 g/L, NaCl 5 g/L, Buffers / pH: 7.0 ± 0.2

40DEBPW3 3 cups/row, 9.0 mL ± 2 %
672 total cups/box (2 bags x 16 blisters x 21 Dilucups®)

40DEBPW6 6 cups/row, 9.0 mL ± 2 %
672 total cups/box (2 bags x 8 blisters x 42 Dilucups®)

Dilucup® Elegance NACL (Saline solution)

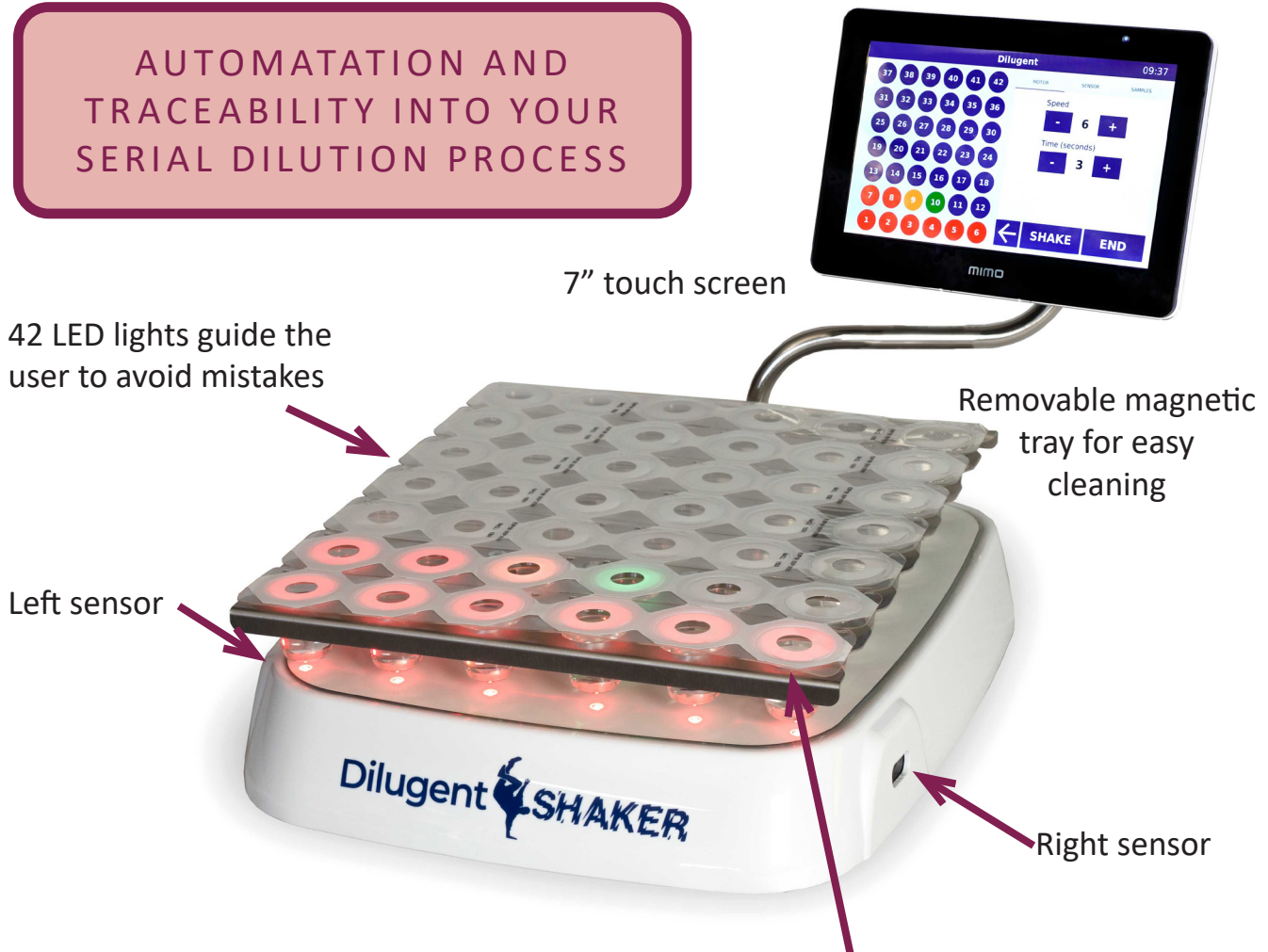
Composition: NaCl 8.5 g/L, Buffers / pH: 7.0 ± 0.2

40DENACL3 3 cups/row, 9.0 mL ± 2 %
672 total cups/box (2 bags x 16 blisters x 21 Dilucups®)

40DENACL6 6 cups/row, 9.0 mL ± 2 %
672 total cups/box (2 bags x 8 blisters x 42 Dilucups®)

Dilugent® Shaker

AUTOMATATION AND
TRACEABILITY INTO YOUR
SERIAL DILUTION PROCESS

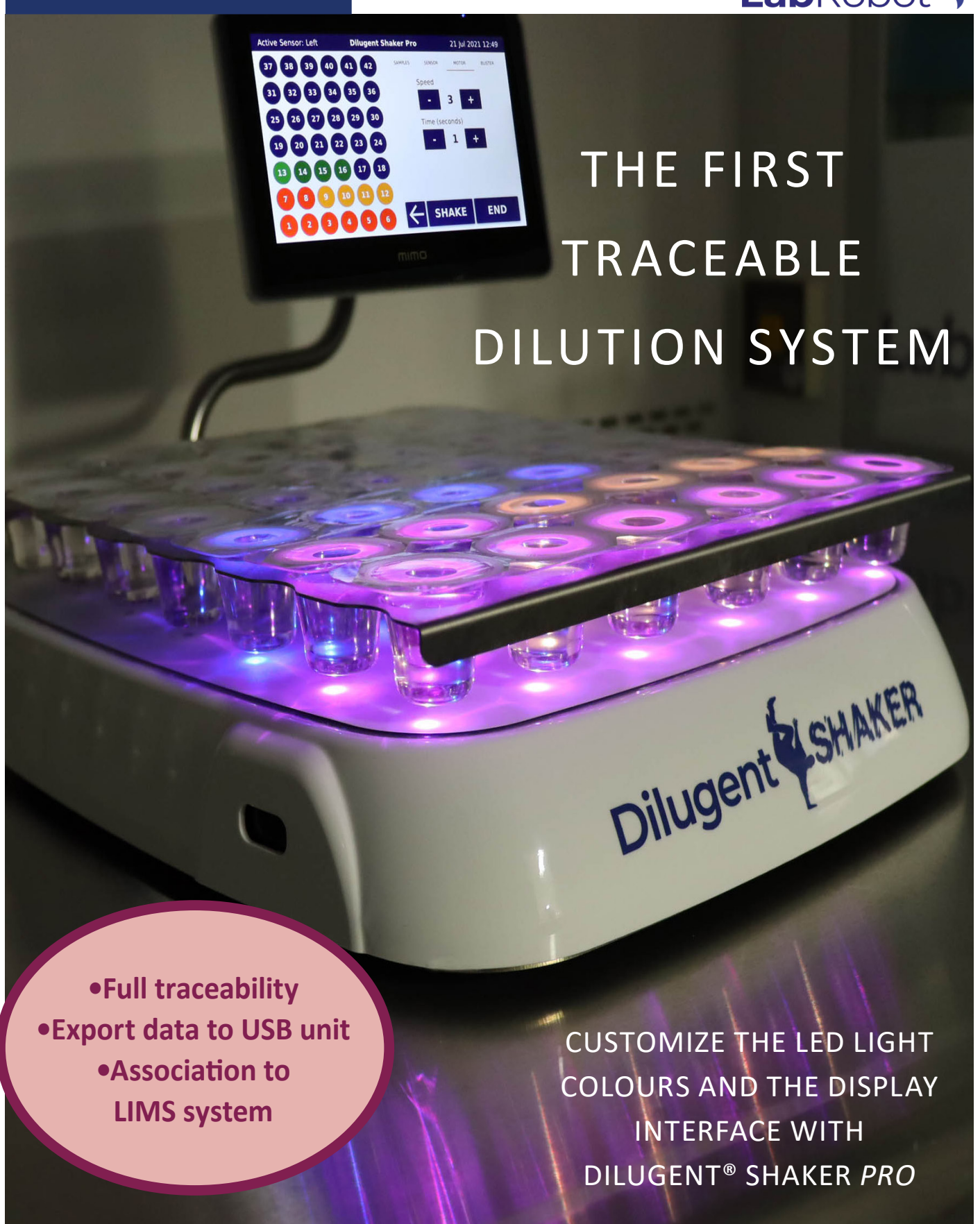


Colour legend:

- Flashing green: first cup to be used in the dilution series
- Green: cup to be used
- Orange: cup already used in the dilution series
- Red: cup already used in the previous dilution series

Dilugent® Shaker is an innovative instrument that **guides the user** through the dilution process. A **LED light under each well (42 in total)** and the display clearly indicate where the user is in the dilution series **minimizing user error**.

Customize your testing programs by saving up to **10 different templates** to make time in the laboratory **effective**.



THE FIRST TRACEABLE DILUTION SYSTEM

- Full traceability
- Export data to USB unit
- Association to LIMS system

CUSTOMIZE THE LED LIGHT COLOURS AND THE DISPLAY INTERFACE WITH DILUGENT® SHAKER PRO

Diligent® Shaker provides full traceability by saving information of the Dilucup® batch, the operator ID, the sample ID, the shaking time, the rotation speed, the number of dilutions in a sample and the day and time of the dilution.

Precision and speed at your fingertips!

COMFORTABLE
PIPETTING

EACH CUP
THOROUGHLY
VORTEXED

INTUITIVE
AND EASY

- Activation of the shaking by 2 optical sensors or foot switch
- Shaking speeds: 410, 460, 510, 560, 610, 660 rpm
- Shaking time: 1 to 60 s
- For 7x6 or 7x3 Dilucups®
- 2D code reading with external scanner
- Dimensions *without screen*: 38 cm x 30 cm x 8 cm, 5.1 kg

Diligent® Shaker is available in 3 models

Features	Diligent® Shaker <i>Light</i>	Diligent® Shaker	Diligent® Shaker <i>Pro</i>
Possible steering with foot switch	•	•	•
Selectable working direction (from Left or Right)	•	•	•
Up to 2 templates can be stored	•		
Up to 10 templates can be stored		•	•
Visual "service required" information, Service menu	•	•	•
Error codes	•	•	•
Possible 2D code (bar or QR) reading		•	•
Visual information of active sensor		•	•
Sample, user, Dilucup® batch identification		•	•
Export of information to USB memory		•	•
Full traceability of operations		•	•
Advanced programming			•
Step ahead without shaking for doing replicates			•
Customizable interface and LED light colours			•
Full connectivity (LIMS interface not included)			•

Diligent® Shaker *Light*

Same design with a lighter software. No traceability.

40DGT84LT

Diligent® Shaker

Traceability of dilutions. Export of information. 2D code reading with external scanner.

40DGT84SD

Diligent® Shaker *Pro*

Advanced programming for those who work with duplicates, triplicates or have other traceability needs. Possible connection to LIMS.

40DGT84PO

Accessories

Scanner

40SC04

Power supply 12V (*included with all models*)

40PS85

Footswitch

40FS02

Transport suitcase for Diligent® Shaker with 2 wheels and trolley handle

40TC6700

Dilushaker III *digital*



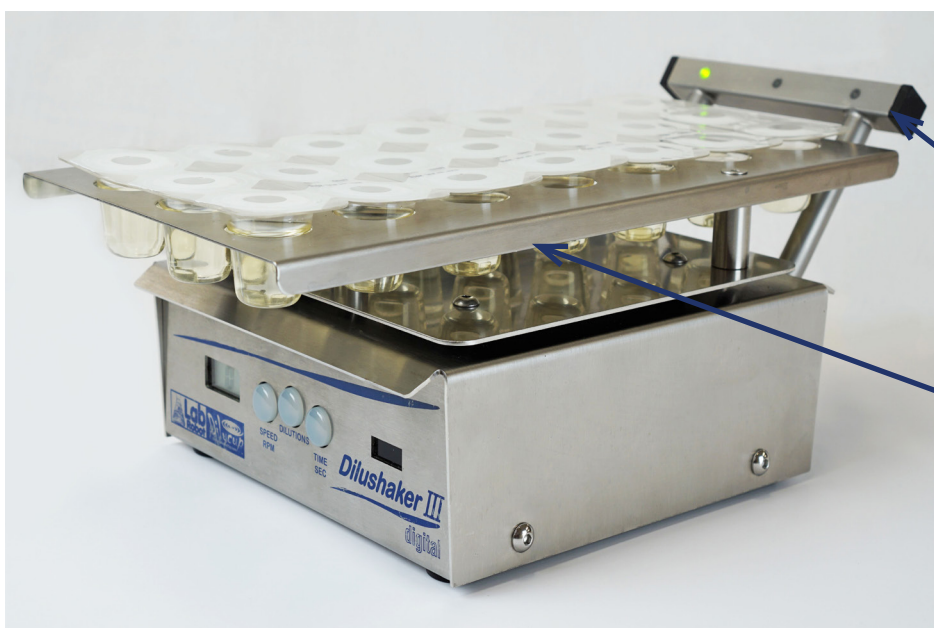
Optical sensor

Adjustable rotation speed (400, 500 or 600 rpm)

Adjustable number of dilutions per sample

Adjustable vortex time from 1 to 30 s

2 MODELS:
FOR 21 OR 42
DILUCUPS®



LED lights indicate the position of the next dilution

Removable tray for easy cleaning

Specifications	Dilushaker III	Diligent® Shaker
Shaking time	1 to 30 s	1 to 60 s
Motor speed	400, 500, 600 rpm	410, 460, 510, 560, 610, 660 rpm
Number of LED lights	3 or 6	42
Steering by footswitch	Yes	Yes
Optical sensor for shaking	One in the front	Two; one on each side
Total height (without screen)	11 cm	8 cm (more ergonomic)
Tray removal	Rotate while pressing	Magnetic
Same machine for 7x3 or 7x6 Dilucups®	No	Yes
Traceability of dilutions	No	Yes
Shake without influencing the LED lights	No	Yes
Simultaneous dilution with optical guide	No	Yes



Dilushaker III

Tray for 21 Dilucups® (7x3), ramp with 3 LED lights. 19cm x 34.5cm x 11.5cm	40DS21PRXT
Tray for 42 Dilucups® (7x6), ramp with 3 LED lights. 26cm x 34.5cm x 11.5cm	40DS42PRXT

Accessories

Footswitch	40FS02
Power supply 12V for Dilushaker III (<i>included with all models</i>)	40PS12
Transport suitcase for 1 Dilushakers III with 2 wheels and trolley handle	40TC5500
Transport suitcase for 2 Dilushakers III with 2 wheels and trolley handle	40TC1567



Contact information

LabRobot Products AB

Munkerödsvägen 4, SE-444 32 Stenungsund, Sweden

+46 303 846 73

kontakt@labrobot.com

For further information visit our website: <https://labrobot.com/>

Version number: DSP2304.2

FOLLOW US!

