

DILUCUP[®] SYSTEM

PRODUCT CATALOGUE

2026



SEMI-AUTOMATED SERIAL DILUTIONS



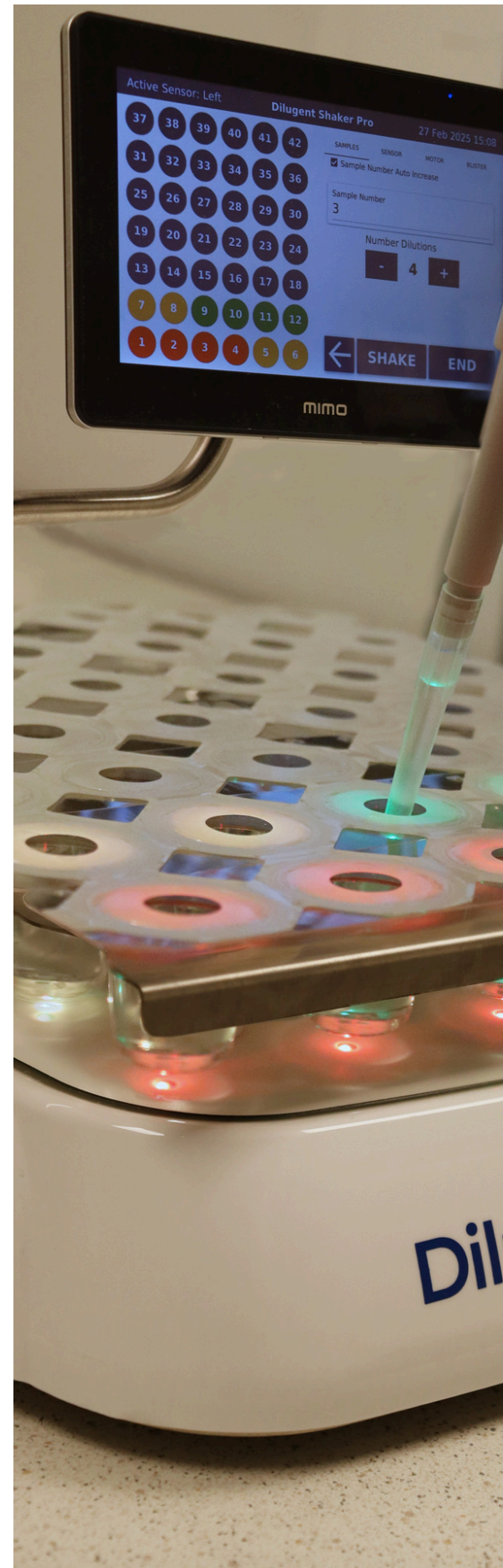
Standardized dilutions

- Same shaking parameters (speed, time)
- Complies with ISO standards
- Less variability between users and laboratories



Save time

- Ready-to-use dilution cups
- Save preparation, calibration and QC time
- Save half the time per dilution compared to dilution tubes





Prevent work injuries

- The use of the vortex is eliminated, thus preventing repetitive strain injuries
- Comfortable to pipette

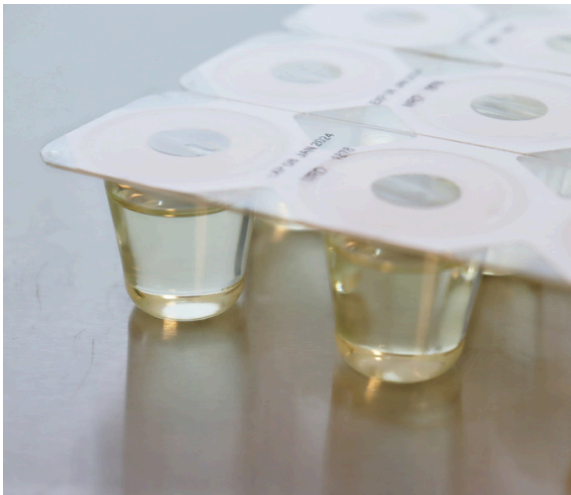


Cost-effective

- Fewer hours spent by the user
- Save resources
- Save storage space

Dilucup[®] Elegance

- Ready-to-use sterile dilution cups
- Highly accurate diluent volumes (9 mL ± 0,5 %)
- pH = 7,0 ± 0,2 (*does not apply to DW*)
- Long shelf life of 30 months at room temperature
- QR code for traceability
- Quantity per box: 672 Dilucups divided in 2 separated bags



Dilucup[®] Elegance MRD (Maximum Recovery Diluent)

Buffered solution including
1 g/L peptones, 8,5 g/L NaCl

40DEM RD3: blisters of 3x7 Dilucups

40DEM RD6: blisters of 6x7 Dilucups

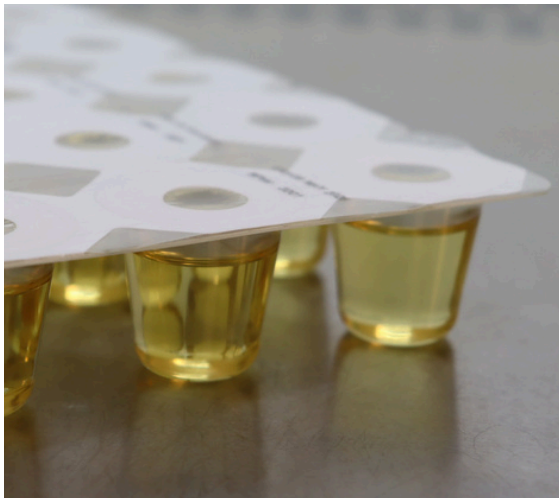


Dilucup[®] Elegance NaCl (Saline solution)

Buffered solution including
8,5 g/L NaCl

40DENACL3: blisters of 3x7 Dilucups

40DENACL6: blisters of 6x7 Dilucups

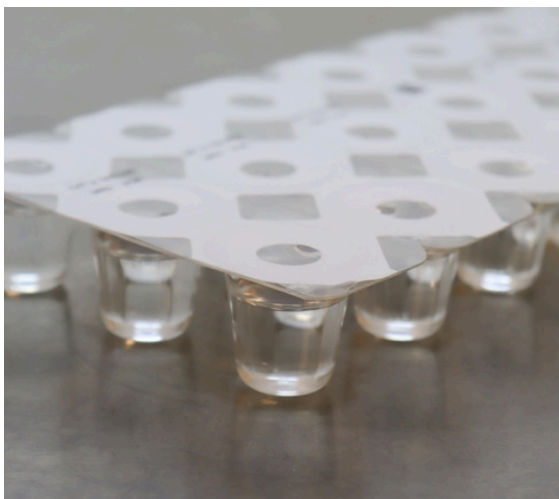


Dilucup® Elegance BPW
(Buffered Peptone Water)

Buffered solution including
10 g/L peptones, 5 g/L NaCl

40DEBPW3: blisters of 3x7 Dilucups

40DEBPW6: blisters of 6x7 Dilucups



Dilucup® Elegance EP
(Eau peptonée / Peptone Water)

Buffered solution including
0,1% peptone

40DEEP3: blisters of 3x7 Dilucups

40DEEP6: blisters of 6x7 Dilucups



Dilucup® Elegance DW
(Deionized Water)

Deionized water

Conductivity: less than 10 $\mu\text{S}/\text{cm}$

40DEDW3: blisters of 3x7 Dilucups

40DEDW6: blisters of 6x7 Dilucups

Diligent[®] Shaker

- 42 LED lights guide the user during serial dilutions with 3 different colours
- Activation of agitation by one of the 2 optical sensors or a footswitch
- Adjustable direction of the dilutions to suit both right- and left-handed users
- Removable magnetic tray for easy cleaning
- 2D code reading with external scanner
- Shaking speeds: 410, 460, 510, 560, 610, 660 rpm
- Shaking time: 1 to 60 s
- Dilutions per sample: 1 - 12
- Dimensions: 38 cm x 30 cm x 8 cm
- For blisters of 3x7 or 6x7 Dilucups
- 7" touch screen
- Weight: 5,1 kg
- 3 software versions



Diligent® Shaker *Light* - 40DGT84LT

- Use of external scanner and traceability not available
- 2 program templates can be stored

Diligent® Shaker (standard) - 40DGT84SD

- Traceability of dilutions and export of information to USB memory
- 2D code reading with external scanner
- 10 program templates can be stored

Diligent® Shaker *Pro* - 40DGT84PO

- Same as standard version + advanced programming
- Possibility of making several samples in parallel
- Customizable LED light colours
- Customizable interface colours
- Possible connection to LIMS



Why is it useful to trace dilutions?

Tracing dilutions it is useful for determining whether an error in execution could explain an unexpected enumeration of microorganisms.

Imagine you obtain a highly unusual microorganism count.

Is it truly the case, or did you perhaps process the wrong sample?

If you scanned your samples before starting, you may already have the answer; without that traceability, it becomes very difficult to know.

After exporting the data, you might discover that the sample order did not match the intended sequence, instantly revealing a mix-up that explains the unexpected enumeration.

Scan the QR code and learn how easy it is to trace dilutions with Diligent® Shaker in this video on Youtube



The three versions of Diligent® Shaker have different programs, but the instrument itself is the same. This means that you can always upgrade to a higher version after you've purchased it.

The software upgrade is easily done remotely by connecting Diligent® Shaker to a computer.

SOFTWARE UPGRADES:

40UPG011: *Light* → standard

40UPG080: standard → *Pro*

40UPG205: *Light* → *Pro*

ACCESSORIES:

40FS02: Footswitch to activate shaking instead of using one of the optical sensors

40PS85: Power supply 12V

40SC04: Scanner for traceability



Dilushaker III *digital*

- 3 LED lights guide the user during serial dilutions
- Activation of agitation by the optical sensor or a footswitch
- Adjustable direction of the ramp to suit both right- and left-handed users
- Removable tray for easy cleaning
- Shaking speeds: 400, 500, 600 rpm
- Shaking time: 1 to 30 s
- Dilutions per sample: 1 - 12
- For blisters of 3x7 Dilucups
- Dimensions: 19 cm x 34,5 cm x 11,5 cm
- Weight: 5,0 kg
- Article number: **40DS21PRXT**



Scan the QR code and discover
the differences between
Dilushaker III and Diligent® Shaker
in this video



ACCESSORIES FOR DILUSHAKER III:

40FS02: Footswitch

40ET21XT: Removable tray for 21 Dilucups

40PS12: Power supply 12V

Contact

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