

easySpiral Pro[®] Milk

Automatic plater

Ref 413 090



Standards:



Traceability:



Manufactured under:



easySpiral[®] Pro is an automatic plater for Petri dishes plating a liquid sample from 100 to 1x10⁷ CFU/mL on one Petri dish without prior dilution. easySpiral[®] Pro Milk is specifically designed for the analysis of raw materials and the payment of milk as the sample is intaken directly from the sample collection stand.

TECHNICAL SPECIFICATIONS

- All stainless steel
- Controlled by microprocessor
- Fast rotating arm (Patented)
- Multi-use, autoclavable stylus
- Plating modes: exponential, circle or constant
- Petri dish diameter: 90 mm or 150 mm
- Can adapt to all sizes of Petri dishes with adjustable plating dish (Ref 413 019)
- Filling time (for different sample viscosities) and volume programmable by USB
- Test key for checking plating volumes (volumetric volumes)
- Disinfection process

- Counting range: from 100 to 1x10⁷ CFU/mL
- Preset dispensed volumes: 50, 100 or 200 µL
- Programmable dispensed volume (via USB) from 10 to 1000 µL
- Volumes accuracy: ± 0.5 % (in normal mode)
- Syringe capacity: 1000 µL
- Plating time: 8 seconds
- Plating cycle: 1 disinfection + 1 sample intake + 1 plating: 25 seconds
- Exponential mode: 4 dilutions logs on Ø 90 mm Petri dish / 6 dilutions logs on Ø 140/150 mm Petri dish
- Successive plating capacity with the same sample: up to 20 Petri dishes (50 µL)

- Cleaning and disinfection of the stylus by "Overflow" technology. Pression: up to 8 bars (Patented)
- Approved disinfectants: bleach 1 % active chlorine or ethanol at 70 % or a solution of hydrogen peroxide H₂O₂ (1 to 5 %) and peracetic acid PAA (0.05 to 1 %)
- Security detection in case of lack of disinfection liquid
- Autonomy in disinfection (in normal mode): 1000 cycles (2 L bottles)
- Autonomy in distilled water: 600 cycles (2 L bottles)

- Easy connection to PC via USB
- Traceability: Excel[™] export, LIMS
- dataLink[™] compatibility (label edition and automatic data transfer to Scan[®] automatic colony counters range)

- International machine marking : IP10
- Dimensions (w x d x h): 40 x 41,5 x 29 cm, weight: 16.4 kg
- Box (w x d x h): 60 x 50 x 55 cm, weight: 24.6 kg

- Voltage - frequencies: 100-240V ~ 50-60Hz
- Fuses: T1.6A L 250V 5x20 mm
- Power: 45 W

- Warranty: 1 year further to warranty card recording
- Availability of spare parts: 10 years
- In compliance with standards ISO 7218, ISO 4833-2, FDA BAM (Bacteriological Analytical Manual), AOAC 977.27
- Manufactured under CE, UKCA, RoHS, WEEE
- Designed and Made in France

DELIVERED WITH

- 1 turntable for Ø 90 mm Petri dishes (by default on the unit)
- 1 box with:
 - 1 blue dye for testing (Ref 415 530)
 - 1 syringe with silicone tubing
 - 1 plating ring for Ø 150 mm Petri dishes
 - 1 Spiral® counting grid for Ø 90 mm Petri dishes (Ref 413 014)
 - 1 container stand for testing
 - 1 set of 2 filters (Ref 413 009)
 - 1 software (minimum requirements: screen resolution of 1280x960)
 - 1 USB A/B cable
- 1 Spiral® counting grid for Ø 150 mm Petri dishes (Ref 413 015)
- 1 EnzyClear® liquid detergent (Ref 413 029)
- 4 connection kit for GL45 bottle (Ref 413 003)
- 1 double connection kit for GL45 bottle (Ref 414 004)
- 1 stylus (Ref 414 001)
- 1 power cable
- **1 user's manual**
- 1 EnzyClear® quick user guide

OPTIONS / ACCESSORIES

- Ref 410 100 dataLink™: Traceability system
- Ref 410 120 Stickers for printer: Label rolls for thermal printer – Label size: 45 x 10 mm
- Ref 410 130 Film for printer: Thermal printer film
- Ref 413 002 2 L Bottle (GL45): 2 L GL45 glass bottle
- Ref 413 003 Connection kit for GL45 bottles: Autoclavable connection set for GL45 bottles
- Ref 413 004 Syringe (1 mL): Syringe (1000 µL capacity)
- Ref 413 014 Spiral® counting grid (90 mm): Counting grid for Ø 90 mm Petri dishes
- Ref 413 015 Spiral® counting grid (150 mm): Counting grid for Ø 150 mm Petri dishes
- Ref 413 018 Support for Dilucup™: Support for sample intake in Dilucup™
- Ref 413 019 Adjustable plate for Petri dish (90-150 mm): Multiadaptable support for Petri dishes of 90 to 150 mm
- Ref 413 029 EnzyClear®: Spiral® plater detergent recommended for cleaning and pre-disinfection
- Ref 414 001 Stylus (1 mL): Stylus 1 mL
- Ref 414 003 Maintenance kit for platers (1 mL): Maintenance kit (1 stylus + 1 syringe + 1 x tubings (Ref 413 006), 1 grease tube, 10 pump filters, 2 female quick connectors)
- Ref 513 023 0.2 µm PTFE filters (Ø 25 mm): Set of 5 autoclavables filters (0.2 µm)
- Ref 522 000 Bar-code reader: Bar-code reader

TUBINGS

- Ref 413 006 Tubings: Silicone tubings with filter for cleaning pump
- Ref 413 009 Filters for rinsing bath: Set of 2 filters for rinsing bath
- Ref 413 028 Tube weights (Ø 3 mm): Set of 5 tube weights (inner Ø 3 mm)
- Ref 414 004 Double connection kit for GL45 bottles: Double connection kit for GL45 bottle to be used on the same bottle

- Ref 415 530 Blue dye for platers: Blue dye for Spiral® tests (125 mL)