

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

- 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)
- Preset dispensed volumes: 50, 100 or 200 µL
- Counting range: from 100 to 1x10⁷ CFU/mL
- **Programmable dispensed volume (via USB) from 10 to 1000 µL**
- Exponential mode: 4 dilutions logs on Ø 90 mm Petri dish / 6 dilutions logs on Ø 140/150 mm Petri dish
- 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**
- **Successive plating capacity with the same sample: up to 20 Petri dishes (50 µL)**
- **Multi-use, autoclavable stylus**
- **Cleaning and disinfection of the stylus by "Overflow" technology. Pression: up to 8 bars (Patented)**
- Disinfection process
- 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)**
- **All stainless steel**
- Controlled by microprocessor
- **Fast rotating arm (Patented)**
- Test key for checking plating volumes (volumetric volumes)
- **Filling time (for different sample viscosities) and volume programmable by USB**
- Easy connection to PC via USB
- Traceability: Excel[™] export, LIMS
- **dataLink[™] compatibility** (label edition and automatic data transfer to Scan[®] automatic colony counters range)
- Voltage - frequencies: 100-240V~ 50-60Hz
- Fuses: T1.6A L 250V 5x20 mm
- Power: 45 W
- 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
- Warranty: 1 year

- In compliance with standards ISO 7218, ISO 4833-2, FDA BAM (Bacteriological Analytical Manual), AOAC 977.27
- Manufactured under CE, 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 413 005** **Micro-pump:** Internal micro-pump
- **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 413 014** **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 413 028** **Tube weights (ø 3 mm):** Set of 5 tube weights (inner ø 3 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 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)
- **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