

easySpiral®

Automatic plater

Ref 412 000



Standards:



Manufactured under:



easySpiral® is an automatic plater for Petri dishes plating a liquid sample from 300 to 1.3×10^5 CFU/mL on one Petri dish without prior dilution.

TECHNICAL SPECIFICATIONS

- Plating modes: exponential and **circle**
- Petri dish diameter: 90 mm
- Preset dispensed volumes: 50 or 100 μ L
- Counting range: from 300 to 1.3×10^5 CFU/mL
- Exponential mode: 4 dilutions logs on $\varnothing$ 90 mm Petri dish
- Volumes accuracy: $\pm 0,5 \%$ (in normal mode)
- **Syringe capacity: 1000 μ L**
- **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 μ L)**
- **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 H_2O_2 (1 to 5 %) and peracetic acid PAA (0.05 to 1 %)
- **Security detection in case of lack of disinfection liquid**
- **Autonomy in disinfectant (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)
- Sample intake possible in Eppendorf™ 0.5/1.5/ 2 mL beaker or Dilucup™
- 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 **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**)
- 1000 DB50 beakers (**Ref 415 100**)
- 1 EnzyClear® detergent (**Ref 413 029**)
- 4 connection kit for GL45 bottles (**Ref 413 003**)
- 1 double connection kit for GL45 bottles (**Ref 414 004**)
- 1 stylus (**Ref 414 001**)
- 1 power cable
- 1 user's manual
- 1 EnzyClear® quick user guide

OPTIONS/ACCESSORIES

- **Ref 413 001** **Housing protection for platers:** Transparent housing for working under laminar flow
- **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® (90 mm) counting grid:** Counting grid for Ø 90 mm Petri dishes
- **Ref 413 016** **Support for Eppendorf™ 0.5 mL:** Support for 0.5 mL Eppendorf™ sample intake
- **Ref 413 017** **Support for Eppendorf™ 1.5 and 2 mL:** Support for 1.5 and 2 mL Eppendorf™ sample intake
- **Ref 413 018** **Support for Dilucup™:** Support sample intake for 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 recommended detergent for cleaning and pre-disinfection
- **Ref 414 001** **Stylus (1 mL):** 1 mL stylus
- **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 415 100** **Beakers (DB50):** 1000 beakers for Spiral® plater (5 mL)
- **Ref 415 530** **Blue dye for platers:** Blue dye for Spiral® tests (125 mL)
- **Ref 513 023** **PTFE filters 0.2 µm (Ø 25 mm):** Set of 5 autoclavable filters (0.2 µm)