

easySpiral Pro®

Automatic plater

Ref 413 000



Standards:



Traceability :



Manufactured under :



Products made for INTERSCIENCE by Interlab, an ISO 9001 certified company

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.

TECHNICAL SPECIFICATIONS

- Plating modes: exponential, **circle** or constant
- Petri dish diameter: 90 mm or 150 mm
- Can adapt to any round dish with adaptable plate (**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**
- **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)**
- Automatic disinfection program
- Approved disinfectants: bleach 1 to 2 % active chlorine or ethanol at 70 %
- **Security detection in case of lack of disinfection liquid**
- **Disinfectant autonomy (in normal mode): 1000 cycles (2 L bottles)**
- **Distilled water autonomy: 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)**
- Sample intake in Eppendorf™ 0.5/1.5/ 2 mL beakers or Dilucup™
- Voltage and frequency: 100-240V~ 50-60Hz
- Fuses: T 1.6A L 240V 5x20 mm
- Max 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 - Products made for INTERSCIENCE by Interlab, an ISO 9001 certified company
- Designed and Made in France

DELIVERED WITH

- 1 plating ring 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 supervision software (minimum requirements: screen resolution of 1280x960)
 - 1 USB A/B cable
- 1000 DB50 beakers (**Ref 415 100**)
- 1 **EnzyClear**® detergent (**Ref 413 029**)
- 4 sets of GL45 connectors (**Ref 413 003**)
- 1 set of GL45 connectors double port (**Ref 414 004**)
- 1 stylus (**Ref 414 001**)
- 1 **Spiral**® counting grid for Ø 150 mm Petri dishes (**Ref 413 015**)
- 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
Dimensions: 45 x 10 mm
- **Ref 410 130** **Film:** Thermal printer film
- **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** **1 mL syringe:** 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 413 015** **Spiral® (150 mm) counting grid:** Counting grid for Ø 150 mm Petri dishes
- **Ref 413 016** **Support for Eppendorf™ 0.5 mL:** Support for Eppendorf™ sample intake 0,5 mL
- **Ref 413 017** **Support for Eppendorf™ 1.5 et 2 mL:** Support for Eppendorf™ sample intake 1,5 and 2 mL
- **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 Ø 90 to 150 mm
- **Ref 413 026** **Circle counting grid (90 mm):** Circle mode counting grid for Ø 90 mm Petri dishes
- **Ref 413 027** **Circle counting grid (150 mm):** Circle mode counting grid for Ø 150 mm Petri dishes
- **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 415 100** **DB50 beakers:** 1000 beakers for **Spiral**® plater (5 mL)
- **Ref 415 530** **Blue dye for plater:** 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