

Spiral Plater®

Accelerated Bacterial Enumeration



*Spiral Plater® - Model DS Plus with microprocessor
NF V 08-100 standard. Patent n° 9209765. Other patents pending.*

The Spiral® method allows rapid bacterial enumeration while avoiding all or part of the intermediary dilutions.

A logarithmically decreasing volume of sample is dispensed on the surface of a rotating Petri dish in an Archimedes spiral. The volume is calibrated and known at every point of the Petri dish.

Bacterial concentration is determined by dividing the number of colonies found by the volume dispensed in the same sector of the dish.

interscience

world leader for 20 years in Spiral Plater® technology

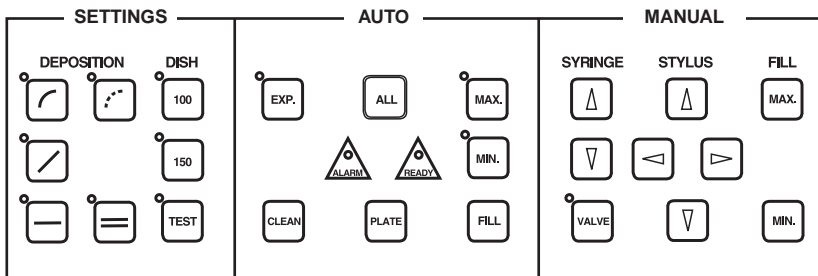


Figure 1 : control keyboard

- > Brushed stainless steel housing for easy cleaning.
- > Savings on Petri dishes, agar, pipettes...
- > 100% automatic sample-taking, disinfecting, rinsing.
- > 250 µl of sample drawn in one cycle for the plating of successive dishes : 5 x 50 µl !
- > 50 or 100 µl of sample dispensed on the same dish for a stronger sample concentration.
- > Operating mode : automatic, semi-automatic or manual plating mode : standard exponential, slow exponential, proportional, uniform and lawn.
- > Numerous safety features.
- > High disinfecting and liquid store capacity.
- > Counting range from 200 to 400,000 cfu / ml for 90 mm Petri dishes and up to 4,000,000 for 150 mm Petri dishes.

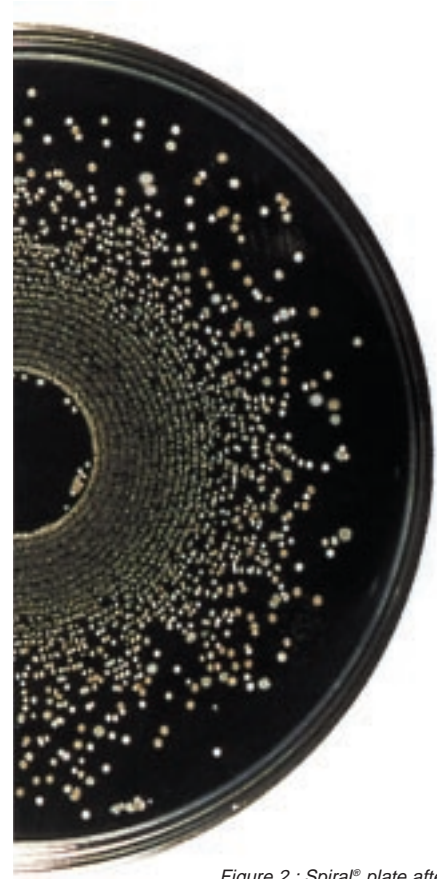


Figure 2 : Spiral[®] plate after incubation

AFNOR NF V 08-100 standard. Patent n°9209765. Other patents pending.

Technical specifications

Applications : food controls, bactericidal cinetics, MIC, pharmaceuticals, cosmetics (challenge test)...

Microprocessor control

Plate diameters	90 to 150 mm
Volume dispensed	20 to 100 µl
Counting range in cfu/ml	up to 4.10 ⁶
Dispensing time	8 seconds
Vacuum required	50 to 70 cm of Hg
Weight	22 kg
Dimensions (l x w x h)	60 x 28 x 40 cm
Power supply	220 V / 50 Hz / 150 VA



Other interscience products

BagMixer[®] : sample blenders for 100, 400 or 3500 ml bags.

BagFilter[®] : sterile filter bags for BagMixer[®].

BagSystem[®] : a complete line of tools for easier and safer sample preparation.

Gravimat[®] : gravimetric dilutor for quick and accurate dilutions of any solid samples.

Scan[®] : automatic colony counter by image analysis for traditional and Spiral[®] methods.

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1023 GB Spiral[®] DS Plus

Name _____ Laboratory _____
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Information : Spiral[®] DS Plus quotation Demonstration
 BagSystem[®] information Other :

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