

Accessories and Disposables

1. 1000 γ -irradiated Microsyringes
CAT. 90001780
2. 1000 γ -irradiated Sample Beakers
CAT.90001790
3. Plate for 15 cm Petri Dishes
CAT. 90001715
4. Holder for sample beaker box
CAT. 90001949
5. Holder for Micro-syringe box
CAT. 90001950
6. Sampling Holder for Beakers
CAT. 90001974
7. Barcode reader
CAT. 90005700



Technical data

Reproducibility: > 99%

Time for a full cycle: 30 s
(disposable syringes make disinfection unnecessary)

Spreading modes stored:
22 spread modes (44 counting those for 15mm Petri plates)

Petri plate diameters: ...100 and 150 mm

Minimum step volume: < 10 nl

Maximum pipetted volume: 100 μ l

Syringe material: Polypropylene

Plunger material: Polyethylene H.D.

Auto checking: Programmed in 6 regions

Touch screen: 5.71 in

Operating system: Windows embedded CE 6.0 R3

External balance connection: Serial RS232 DB9

Printer connection: Serial RS232 DB9

Barcode reader connection: Specific connection for IUL barcode readers

Connection for updates: Ethernet/ USB pendrive

Additional connections for peripherals: 2 x USB Host ports

Dimensions (WxHxD)

51.5 x 42 x 50 cm / 20.3 x 16.5 x 19.7 in

Weight: 20 Kg / 44 lb.

Motion control: Microcontroller regulated stepper motors

Specifications subject to change without notice

For more information please visit us at:

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EDDYJET 2

Cleaner, faster, better
Spiral plater



Doc. No. 50007627-01

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www.iul-inst.com

Introduction to spiral plating

Spiral plating is a widely accepted microbiological surface plating technique that was created in the 1970s to **reduce the amount of Petri dishes** used in surface spreads. Time-consuming serial dilutions required in conventional spread plating are avoided. A single spiral spreaded plate spares the inoculation of 3 Petri plates, drastically reducing operation times and materials.

This technique is based on the usage of an Archimedean spiral spread. Volumes poured along a spiral decrease exponentially so that a single plate hosts several sample concentrations distributed across the spiral. Once incubated, plates are read using a specific counting grid.

Eddy Jet 2 as a leading edge spiral plater

Eddy Jet 2 is an unmatched spiral plater that pushes the outstanding standards of the first EDDY JET even further by adding trendsetting innovations to spiral plating:

- Its **state of the art connectivity** (featuring an Ethernet connection, 2xUSB ports and 2xRS-232 ports): allow for connection to:
 - a printer: that can print labels and records of the inoculations performed

- a barcode reader: that allows for plate traceability
- EJ2's **streamlined intuitive software** is commanded from a color touch panel
- IUL also **improved spread times** in this device.

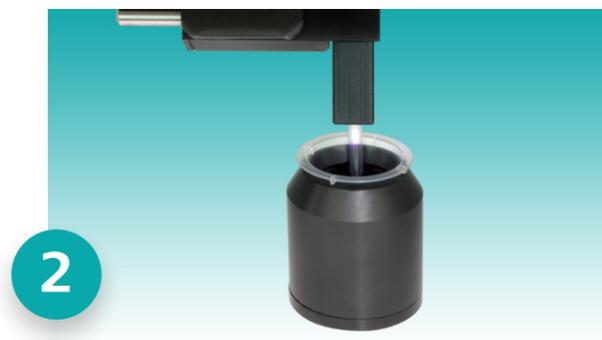
EJ2 stands out as the spiral plater with the widest range of spiral distributions: **it can make up to 22 different spiral distributions.**

Eddy Jet 2 Workflow



1

Eddy Jet 2's beak grabs a **brand new sterile syringe**.



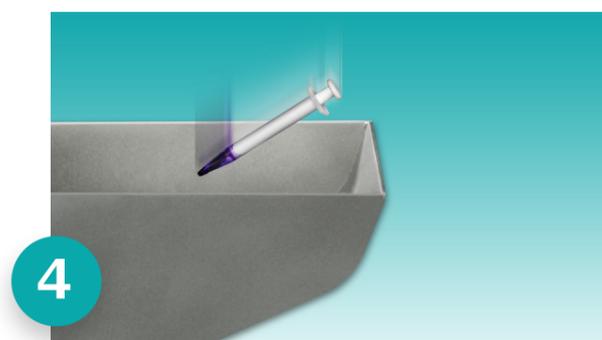
2

The syringe draws in a liquid sample.



3

As the agar plate spins, the syringe automatically dispenses accurate volumes of sample over the plate drawing a spiral with the loaded sample



4

Eddy Jet 2 gets rid of the sample-contaminated syringe.

IUL's patented syringe method

When IUL released Eddy Jet 1, in 1998, a revolutionary approach to spiral plating was achieved by implementing disposable **Gamma-ray sterilized microsyringes** to perform sample spreading.

IUL's **world patented microsyringes** prevent any cross-contamination from taking place making Eddy Jet 2 the spiral spreader with the highest sensitivity.

Also, Gamma-ray microsyringe sterilization makes cleaning cycles unnecessary, saving large amounts of time.

Unlike other spiral plating devices, Eddy Jet 2 doesn't require for bleach disinfection. Implying that no leftover bleach may affect sample bacteria, avoiding false negative results. Thus, Eddy Jet 2 offers labs the **highest specificity** available in the market.



Exclusive microsyringes that ensure genuine sampling sterility



Revolutionary connectivity



Outstanding performance