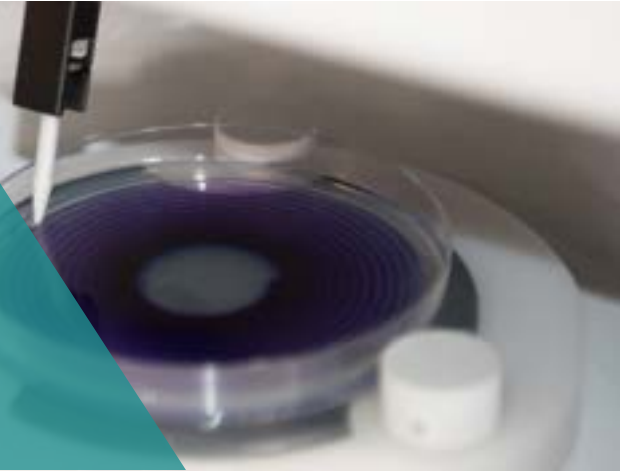


# EDDY JET 2W

## Spiral Plater

Pharmaceutical | Food & Beverage | Environment | Cosmetics



### Main benefits

#### Gain of time and waste reduction

2-in-1 method: dilution and plating for an efficient bacterial determination. Threefold dilution in one plate!

Provide significant time and cost improvement while reducing Petri dish waste.

#### No cross contamination

Sample collection through an exclusive patented microsyringe that guarantees reliable sterility.  
No need to perform washing protocol, avoiding false-negative (trace of bleach), or false-positive results (biofilm formation).

#### Reliable

99% of reproducibility.

#### Easy to use

Intuitive, friendly color touchscreen with customized protocols to improve the comfort of the operator.

#### Connectivity

Barcode reader and printer connection for plate traceability.

#### Fast delivery

Minimal delivery time for a fast implementation.



### Product Overview

**The EddyJet 2W is an automatic spiral plater that inoculates a known volume of liquid sample** on the surface of a rotating agar plate in an Archimedean spiral pattern.

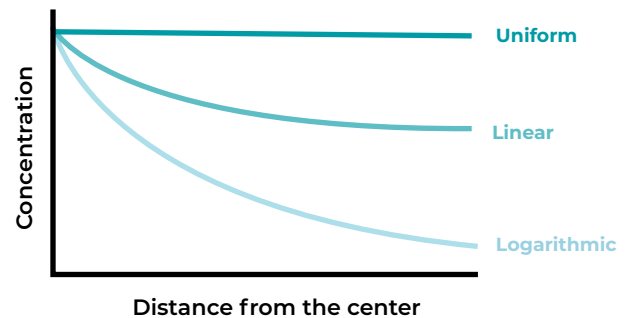
It **reduces cost per test**, hands on time, and consumable use during bacterial enumeration while increasing your microbiology lab's productivity.

Spiral Plating is a fully validated Microbiological method [see ISO 7218 / AOAC 977.27 / FDA (BAM Ch.3)].

## Types of spiral distributions

Eddy Jet 2W can perform up to 37 distributions. The purpose of spiral plating is to create areas with different sample concentrations in a single plate.

There are several types of distributions available: uniform, linear, and logarithmic.



### Uniform Mode

The volume of liquid poured in different segments of the spiral doesn't vary at all, sample concentrations remain constant regardless of their position in the spiral.



### Linear Mode

Creates hyperbolic concentration gradients that are more moderate than those in exponential modes.



### Logarithmic Mode

The volume of liquid poured decreases logarithmically providing a dramatic decrease in sample concentration along the different sections of the spiral.



## Avoid the cross-contamination with IUL's patented microsyringes



### Reliability and accuracy

Eddy Jet 2W doesn't require to perform washing protocols thanks to its patented microsyringes.



### Patented Microsyringes

The Eddy Jet 2W performs different types of spiral and lawn inoculations avoiding the cross-contamination thanks to its disposable micro-syringes.



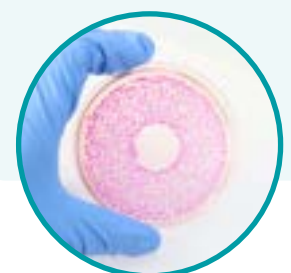
### Purge cycles implemented

In order to remove air bubbles when sample liquid is driven into a microsyringe, purge cycles are implemented.



### Efficiency

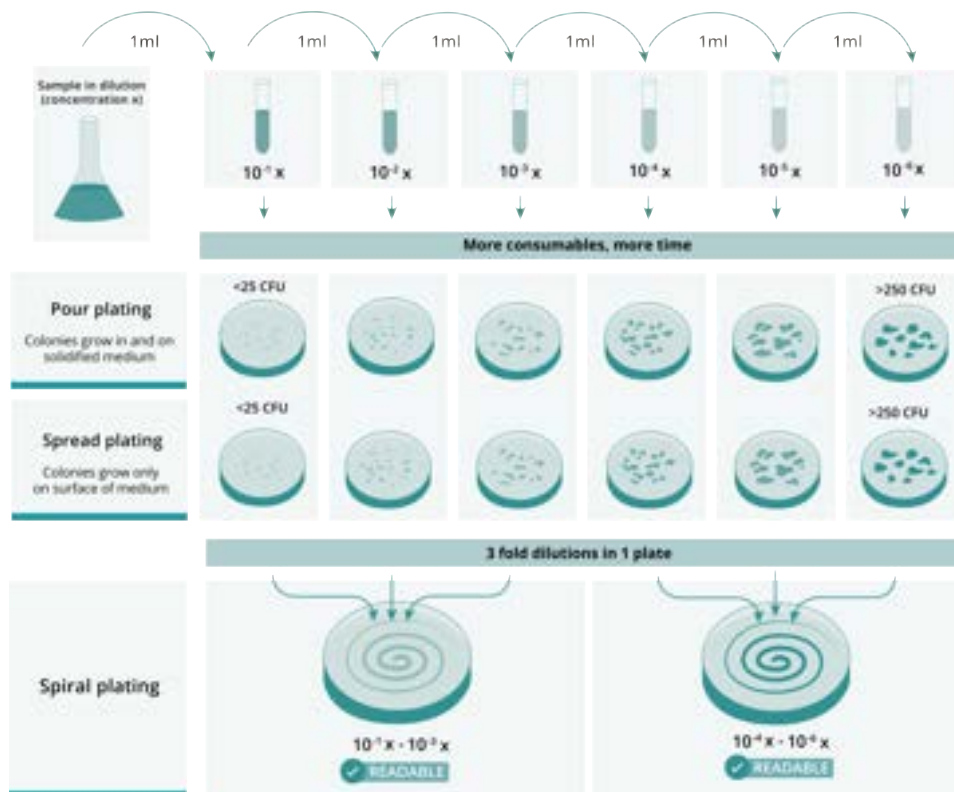
The time for a full cycle of plating is 30". Disposable syringes make disinfection unnecessary.



## Threefold dilution and plating



Spiral plating is a two-in-one method: diluter and plater at the same time. Different concentrations of the sample are present in one plate and the time spent on colony count is shortened.



## Workflow



1 Eddy Jet 2W grabs a brand new sterile syringe.



2 The syringe takes the liquid sample from an irradiated sample beaker.



3 As the agar plate spins, the syringe automatically dispenses accurate volumes of sample.



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

## Technical specifications

|                               |  |
|-------------------------------|--|
| <b>Reproducibility</b>        | > 99%  |
| <b>Time for a full cycle</b>  | 30 s (disposable syringes make disinfection unnecessary)   |
| <b>Spreading modes stored</b> | 25 spread modes (37 counting those for 150mm Petri plates) |
| <b>Petri plate diameters</b>  | 90 and 150 mm  |
| <b>Touch screen</b>           | 7 in   |
| <b>Dimensions (WxHxD)</b>     | 51.5 x 42 x 50 cm / 20.3 x 16.5 x 19.7 in                  |
| <b>Weight</b>                 | 20 Kg / 44 lb.   |

*Specifications subject to change without notice.*

## Are you ready to go a step further?

Count your plates with IUL's technology.



### DOT - Manual Colony Counter

Easy and fast counting through the use of LED lighting and high-quality magnifying glass.



### SphereFlash® - Automatic Colony Counter

Count colonies in only 2 seconds. Repeatable and highly accurate results even in challenging background.

## Accessories and consumables

- 1000 sterilized microsyringes  
Cat. 90001780
- 1000 sterilized sample beakers  
Cat. 90001790
- Plate for 15 cm Petri Dishes  
Cat. 90001715
- Holder for sample beaker box  
Cat. 90001949
- Holder for microsyringe box  
Cat. 900011275
- Sampling holder for beakers  
Cat. 90001974

## Ordering information

- Eddy Jet 2W - Spiral plater  
Cat. 90003800



For more information about Eddy Jet 2W, scan the QR code

For more information visit us at:

[www.iul-instruments.com](http://www.iul-instruments.com)

IUL SA Carrer de la Ciutat d'Asunción, 4 - 08030 Barcelona (Spain)  
sales@iul-inst.com • T. +34 93 274 02 32

