

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.

Connected

Barcode reader and printer connection for plate traceability.

Fast delivery

Minimal delivery time for a fast implementation.



Product Overview

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

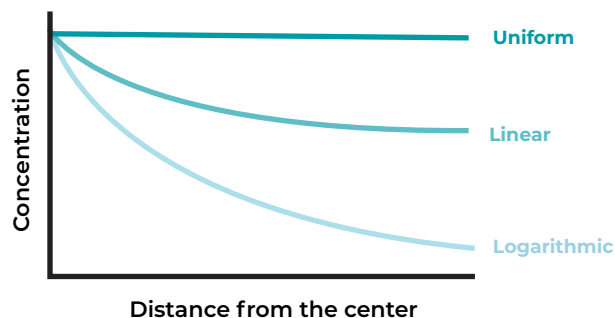
It **reduces cost per test**, hands on time, and consumable use during bacterial enumeration while increasing your microbiology lab's productivity.

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.

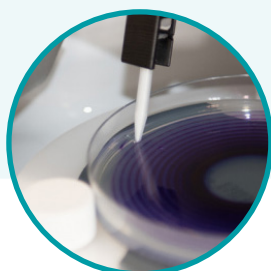


Avoid the cross-contamination with IUL's patented microsyringes



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.



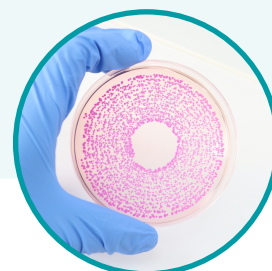
Purge cycles implemented

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



Efficiency

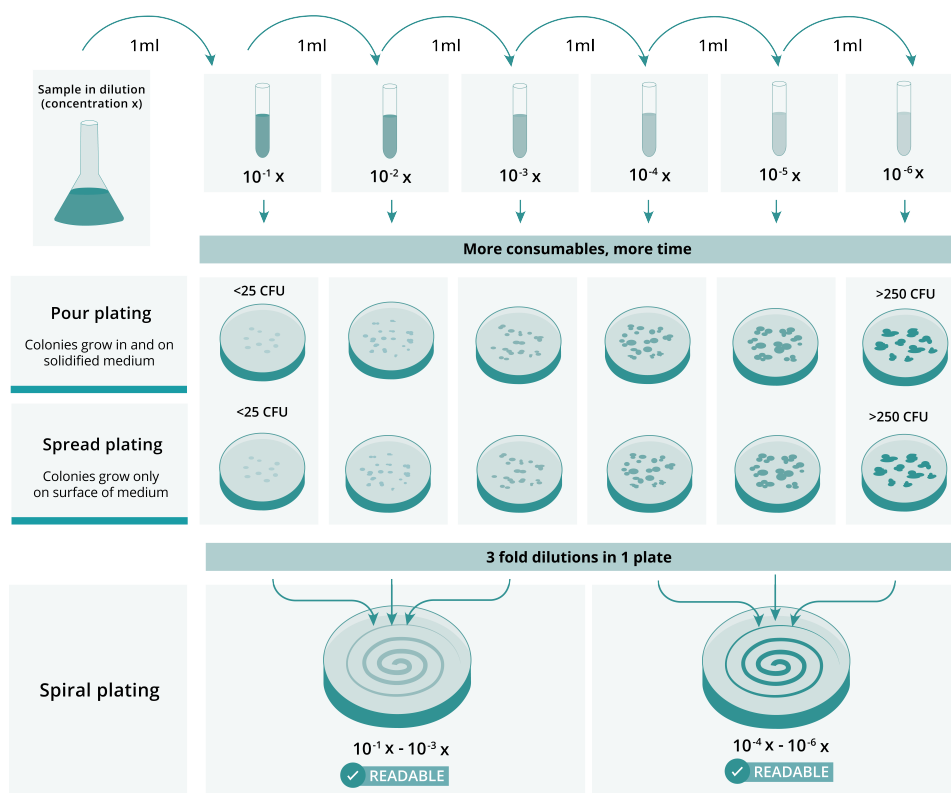
The time for a full cycle of plating is 30". Disposable syringes make disinfection unnecessary.



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.



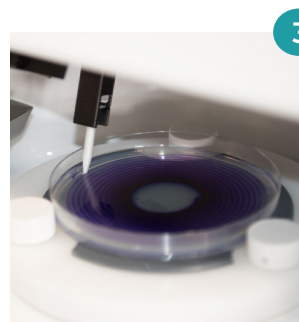
Workflow



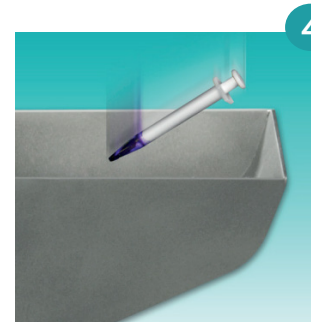
1 Eddy Jet 2W grabs a brand new sterile syringe.



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

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

1. 1000 Y-irradiated Microsyringes
Cat. 90001780
2. 1000 Y-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 Microsyringe box
Cat. 900011275
6. Sampling Holder for Beakers
Cat. 90001974

Ordering information

1. Eddy Jet 2W
Cat. 90003800



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



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