

# ELECTROLAB

Your Quality, Our Assurance



Ergonomic Comfort



Accuracy



Programmability



Time Efficiency



Space Efficiency



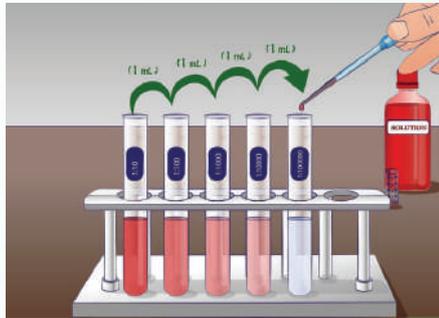
## Key Features

- 7" Intuitive Touch Screen Display
- User Friendly Interface
- Deliver Precise And Accurate Dilutions
- Program Specific Dilution Protocols
- Small Footprint, Making it Space-efficient

# DYLUTER

### Manual Dilution

Dilutors achieve automatic sample dilution with flawless reliability. Explore the following advantages:



**Time-consuming** ■

**Inaccurate:** ■

Direct impact on final result

**Not reproducible** ■

**Not automatically traceable** ■

### Dilution using Dyluter



■ **Quick**

■ **Accurate:**

+/- 1%

■ **Reproducible**

■ **Traceable**

### Configuration 1: Dispense Mode

The Dylutor boasts a dispensing range spanning from 100nL to 50 mL, employing positive displacement syringes for precise delivery of volatile, viscous, and dense liquids. Its resilient design ensures accurate dispensing unaffected by atmospheric conditions. With an inert fluid path, it accommodates harsh chemicals, establishing the Dylutor as a dependable and robust dispensing system unparalleled in reliability.



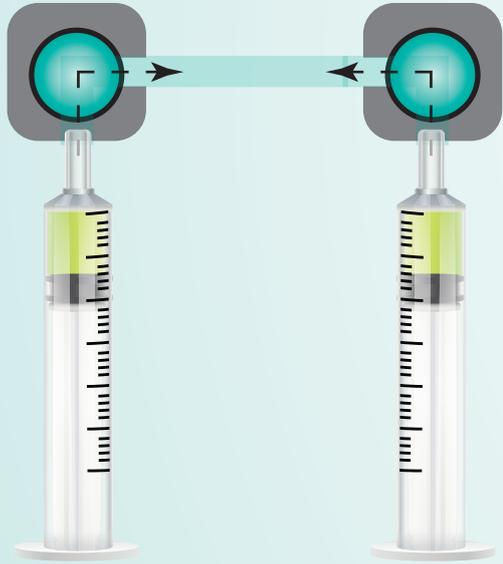
#### Single Syringe Dispenser

The syringe fills from a reservoir and dispenses from the hand probe.



#### Dual Syringe Dispenser

Each syringe fills from a separate reservoir and dispenses separately from the hand probe.



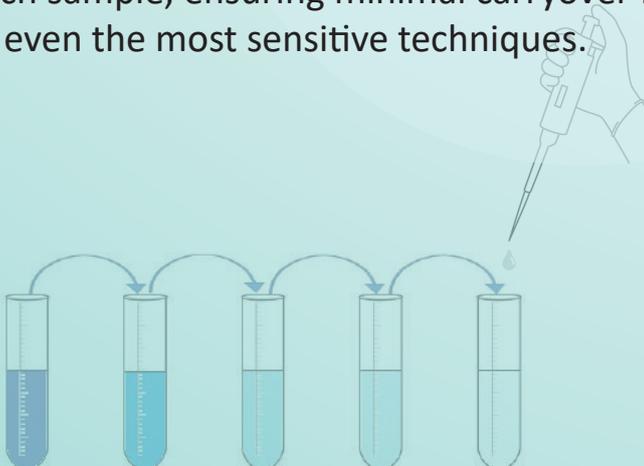
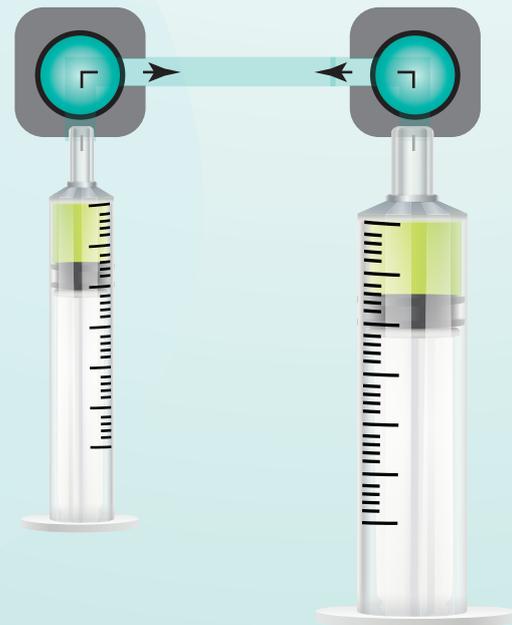
## Continuous Dispenser

One syringe fills while the other syringe is dispensing from the same reservoir.



## Configuration 2: Dilution Mode

Incorporating a Dual Syringe Diluter setup, this configuration employs two syringes to achieve a remarkable dilution in just one step. This not only significantly cuts down on preparation time but also minimizes buffer wastage. The diluent efficiently cleans the tubing between each sample, ensuring minimal carryover for precision in even the most sensitive techniques.



## Application Industries

Pharmaceuticals, Biotechnology, In-Vitro Diagnostics, Forensics, Food and Beverage Industry  
Dairy Industry, Environmental Analysis, Mining Industry, Textile Industry

SPECIFICATIONS	
<b>Product</b>	<b>Dyluter</b>
<b>Valve</b>	Two (10 µl to 50 ml)
<b>Volume range</b>	1.0 µl – 50 ml
<b>Resolution</b>	0.002% of the nominal syringe volume
<b>Flow Rate</b>	0.003-6000 µL / second (depending on syringe selection)
<b>Compatible syringes</b>	10, 25, 50, 100, 250, 500 µl, 1, 2.5, 5, 10, 25, and 50 ml
<b>Accuracy</b>	± 1%
<b>Precision</b>	± 0.2%
<b>Syringe Drive Mechanism</b>	1.8° stepper motor with variable volumetric flow rate
<b>Cleaning</b>	Auto
<b>Validation</b>	Monthly, Six Monthly, yearly
<b>Calibration</b>	Not required/ Auto
<b>Program Memory</b>	8 GB
<b>Connectivity</b>	Ethernet, 10/100 BASE-T
<b>Dimensions</b>	177.8 x 139.7 x 266.7 mm
<b>Weight</b>	5.9 kg

### Our Products

- Complete Range of Dissolution Testers • Dissolution Media Degasser • Disintegration Testers • Friability Testers
- Tablet Hardness Testers • Electromagnetic Sieve Shakers • Tap Density Tester • Bulk Density Tester
- Powder Flow Tester • Leak Tester • Peristaltic Pumps



The information contained in this document is believed to be correct but ELECTROLAB accepts no liability for any errors and reserves the right to alter specifications without notice  
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