



LabTIE Powder DISPENSER

Simple. Fast. Reliable.

Version 22.001^a

The LabTIE Powder Dispenser is a manual, exchangeable-mesh-plate dispensing tool for accurate powder volumes from 1uL to 1000uL into industry-standard plates, tubes and vials, built for reproducible high-throughput sample preparation. See the full [LabTIE Powder Dispensers](#) range for all available formats and mesh plate configurations.



Introduction

LabTIE Powder Dispensers are used to quickly dispense Powders in industry standard plates, tubes, vials or various trays. Due to the modular design of exchangeable Mesh Plates the Dispenser can be used to dispense a variety of sizes, amounts and volumes.

- Powders 1uL – 1000uL

Each Dispenser is designed, produced and tested by our own Tech Division and custom made to the requirements of our customer. Our Dispensers are used all over the world in research laboratories, universities, pharmaceutical– and biochemical laboratories, institutes and by seed breeding companies.

Advantages:

- Accurate Dispensing (<1% error rate)
- Dispensing in only 30 seconds
- Sterile Dispensing
- Easy cleaning
- Exchangeable Mesh plates,
“Different volume? Just slide in a different Mesh plate”
- Custom made Mesh plates available
- Dispenser can be customized to fit every ‘container’ where you want to dispense your solid object in

How does it work?

The LabTIE Powder Dispenser is a manual tool that dispenses powders accurately. By filling the Dispenser and pulling the slider, the required amount or volume per well is dropped in your tubes, microtiter plates, vials etc.

Check out our product videos on our website or for a demonstration

Is your system not listed?

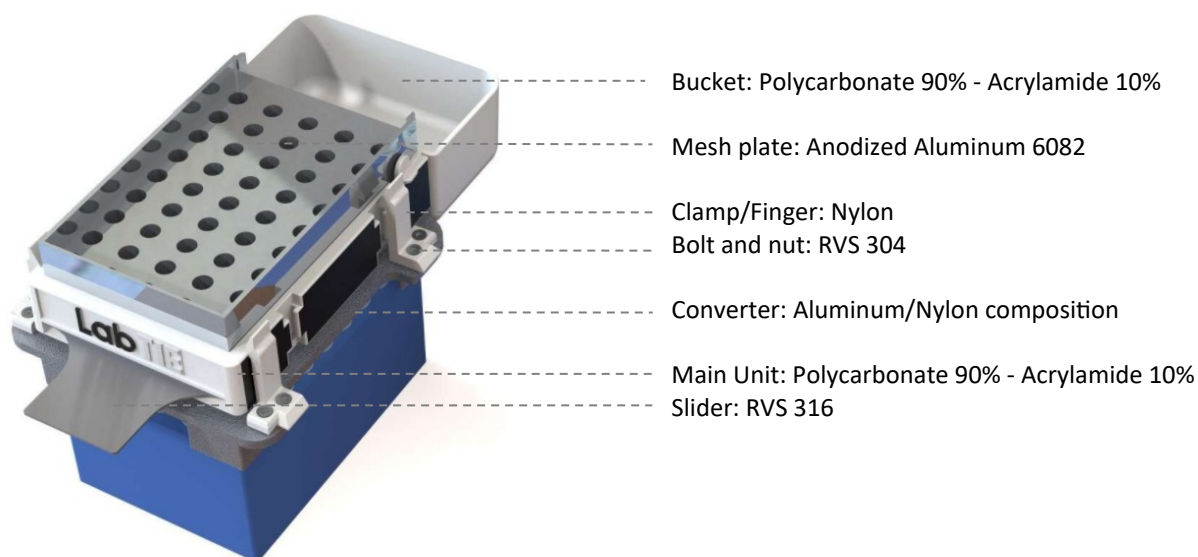
Ask for a custom made Powder Mesh plate or Powder Dispenser.



Dimensions

All standard Dispenser Dimensions can be found in the PDF on www.labtie.com as the corresponding Dispenser product. When a Dispenser is Custom made, dimensions may vary, ask your LabTIE contact about the specifications.

Product Composition



Standard Plates, Tubes and Trays supported by LabTIE Dispensers

Is your 'container' not listed? Dispenser can be customized to fit your 'container'

Microtiter and Cell Culture Plates



96-Well Microtiter, Cell Culture, Deep Well Plates and Plates with strips



384-Well Microtiter and Deep Well Plates



24-Well Greiner/Corning/ThermoF Plates

48-Well Greiner/Corning/ThermoF Plates

Tubes



Snap cap tube 0.2mL-1.5mL

Screw cap tube 1.5-2.0mL
Cryo Tube

1.5-2.0mL Autosample (GC)
Vials



Parts and Article Numbers

For Powder Mesh Plates in other well formats and volumes, Converters and the LabTIE Dispenser main unit article numbers, see the LabTIE Dispenser Instruction Manual.

Component	Article Number
Dispenser Main Unit Powder (white), Open	MGLT990038
Powder Mesh Plate 96-well, 50uL (from)	MGLT5096050
Powder Mesh Plate 96-well, 500uL (from)	MGLT5096500
Powder Scraper Flat	MGLT990019
Powder Scraper Vertical	MGLT990020

Contact LabTIE International at info@labtie.com or +31 (0)611132028 to order.

References

The LabTIE Powder Dispenser has been used in peer-reviewed high-throughput DNA extraction workflows for challenging cell types.

Epperson LE, Strong M. A scalable, efficient, and safe method to prepare high quality DNA from mycobacteria and other challenging cells. J Clin Tuberc Other Mycobact Dis. 2020;19:100150. [View publication](#)

A full literature review is available as a separate LabTIE reference document on request from info@labtie.com.