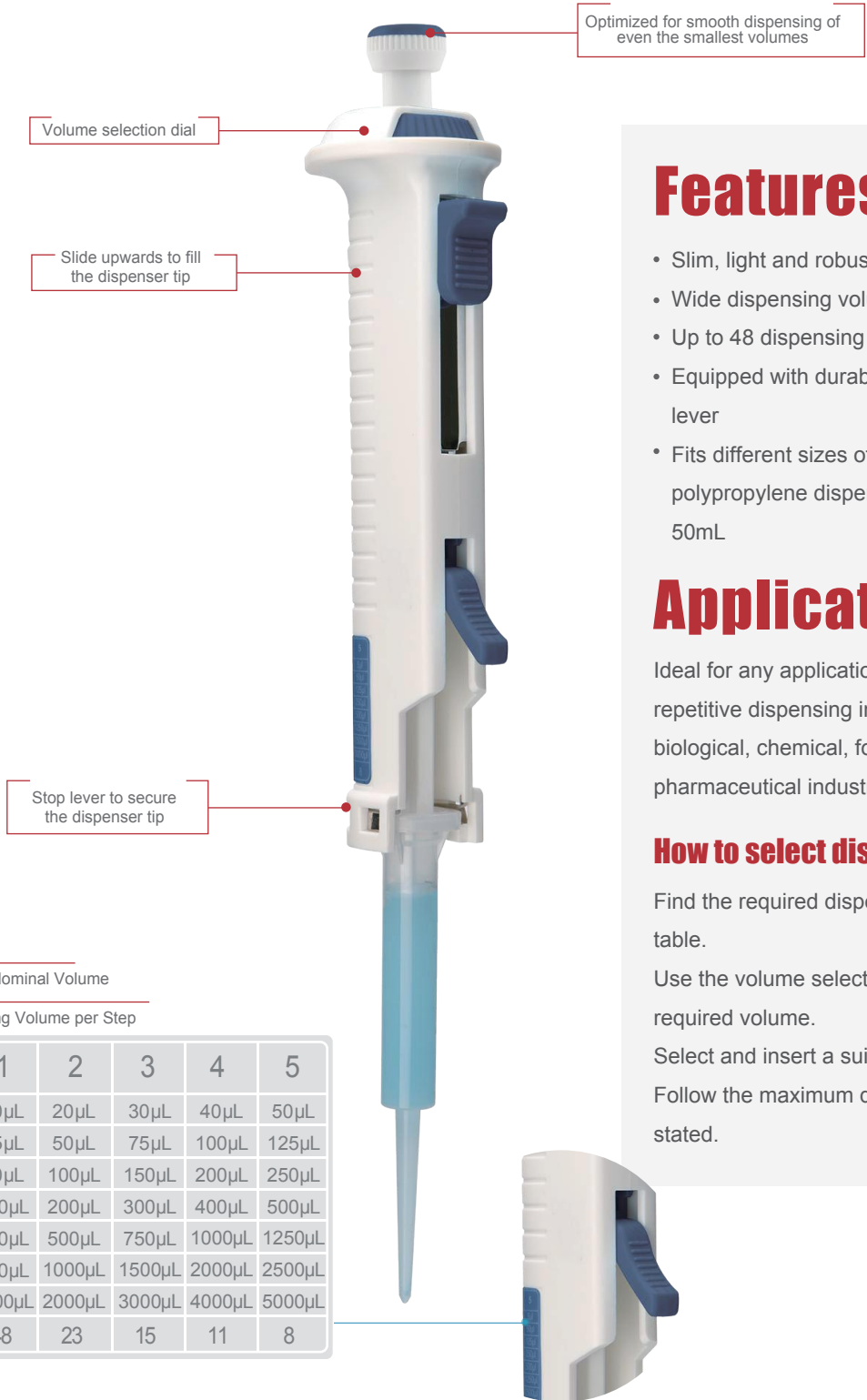


Stepette Stepper

Positive-displacement, continuously adjustable, repetitive dispenser



Features

- Slim, light and robust
- Wide dispensing volume from 10 μ L to 5 mL
- Up to 48 dispensing steps in succession
- Equipped with durable dispenser tip stop lever
- Fits different sizes of disposable polypropylene dispenser tips from 0.5 mL to 50 mL

Applications

Ideal for any application requiring repetitive dispensing in the clinical, biological, chemical, food and beverage, pharmaceutical industry.

How to select dispensing volume

Find the required dispensing volume in the table.

Use the volume selection dial to set the required volume.

Select and insert a suitable dispenser tip. Follow the maximum dispensing steps as stated.

| Dispenser tip Nominal Volume | | Dispensing Volume per Step | | | | |
|------------------------------|------|----------------------------|--------------|--------------|--------------|--------------|
| Tips | Sel. | 1 | 2 | 3 | 4 | 5 |
| 0.5 mL | | 10 μ L | 20 μ L | 30 μ L | 40 μ L | 50 μ L |
| 1.25 mL | | 25 μ L | 50 μ L | 75 μ L | 100 μ L | 125 μ L |
| 2.50 mL | | 50 μ L | 100 μ L | 150 μ L | 200 μ L | 250 μ L |
| 5.00 mL | | 100 μ L | 200 μ L | 300 μ L | 400 μ L | 500 μ L |
| 12.50 mL | | 250 μ L | 500 μ L | 750 μ L | 1000 μ L | 1250 μ L |
| 25.00 mL | | 500 μ L | 1000 μ L | 1500 μ L | 2000 μ L | 2500 μ L |
| 50.00 mL | | 1000 μ L | 2000 μ L | 3000 μ L | 4000 μ L | 5000 μ L |
| Steps | | 48 | 23 | 15 | 11 | 8 |



Precision Dispenser Tip

Lab1st dispenser tips are convenient for viscous or foaming solutions, volatile liquids and applications where repetitive dispensing of volumes in long series is required.

The dispenser tips are made from high quality materials without soft lubricants or other additives.

Specifications

Note: The first and last dispensing liquid should be discarded for precision.

| Dial setting | | 1 | 2 | 3 | 4 | 5 | | | |
|-----------------|----------------------|----------------------------|------|------|------|------|------------------|--------------|--|
| Number of steps | | 48 | 23 | 15 | 11 | 8 | | | |
| Cat. No. | dispenser tip volume | Dispensing volume per step | | | | | Systematic Error | Random Error | Description |
| | mL | μL | | | | | % | % | |
| 9180001 | 0.50 | 10 | 20 | 30 | 40 | 50 | ± 0.8 | ≤ 0.7 | 0.5mL, piston PE-HD, cylinder PP, 1 packing, 5 pcs/packing |
| 9180002 | 1.25 | 25 | 50 | 75 | 100 | 125 | ± 0.8 | ≤ 0.5 | 1.25mL, piston PE-HD, cylinder PP, 1 packing, 5 pcs/packing |
| 9180003 | 2.50 | 50 | 100 | 150 | 200 | 250 | ± 0.8 | ≤ 0.4 | 2.5mL, piston PE-HD, cylinder PP, 1 packing, 5 pcs/packing |
| 9180004 | 5.00 | 100 | 200 | 300 | 400 | 500 | ± 0.4 | ≤ 0.3 | 5mL, piston PE-HD, cylinder PP, 1 packing, 5 pcs/packing |
| 9180005 | 12.50 | 250 | 500 | 750 | 1000 | 1250 | ± 0.3 | ≤ 0.3 | 12.5mL, piston PE-HD, cylinder PP, 1 packing, 5 pcs/packing |
| 9180006 | 25.00 | 500 | 1000 | 1500 | 2000 | 2500 | ± 0.2 | ≤ 0.3 | 25mL, piston PE-HD, cylinder PP, 1 packing, 2pcs/packing with 1 pc adapter |
| 9180007 | 50.00 | 1000 | 2000 | 3000 | 4000 | 5000 | ± 0.2 | ≤ 0.2 | 50mL, piston PE-HD, cylinder PP, 1 packing, 2pcs/packing with 1 pc adapter |

Lab1st Liquid Handling range includes Pipettes (Electronic Pipettes & Mechanical Pipettes), Pipette Filler, Pipette Controller and Stepper.

List of Lab1st models

| Series | Image | Model | Application | Operation Method | Volume Range | Channel Option | Autoclavable |
|---|---|-----------------------|---|------------------|----------------------|-------------------------------------|------------------------------|
| Mechanical Pipette |  | Lab1st Unique | Aqueous solution | Mechanical | 0.1-10000µL | Single channel | YES |
| |  | Lab1st Precision Plus | Aqueous solution | Mechanical | 0.1-5000 µL | Single Channel Adj. & Fixed; | YES |
| | | | | | 0.5-300 µL | 8 Channel Adj.; 12 Channel Adj.; | |
|  | ComPette Pro | Aqueous solution | Mechanical | 25-300 µL | Single Channel Fixed | NO | |
| Electronic Pipette |  | EliPette Pro | Aqueous solution | Electronic | 0.5-1000µL | Single Channel Adj. | YES (lower part) |
| | | | | | 0.5-300 µL | 8 Channel Adj. | |
| |  | EliPette | Aqueous solution | Electronic | 0.5-1000µL | Single Channel Adj. | YES (lower part) |
| Pipette Filler |  | Eva Pro | Aqueous solution | Electronic | 0.1-100mL | Single channel | YES (silicon adapter&nozzle) |
| |  | Eva Plus | Aqueous solution | Electronic | 0.1-100mL | Single channel | YES (silicon adapter&nozzle) |
| Pipette Controller |  | Eva + | Aqueous solution | Mechanical | 0.1-100mL | Single channel | YES (silicon adapter&nozzle) |
| Pipette Pump |  | Eva | Aqueous solution | Mechanical | 2-25 mL | Single channel | NO |
| Stepper |  | Stepette | Aqueous solution, high viscosity or volatile solution | Mechanical | 0.5-50 mL | Single channel | NO |

In addition to Pipettes, Liquid Handling series also include various Dispensers, Electronic Burette and Vacuum Aspiration System, which are used for the pipetting, dispensing, and collection of reagents with a wider range.

List of Lab1st models



| Product Name | Bottle-Top Dispenser | New Bottle-Top Dispenser | Electronic Bottle-Top Dispenser | Electronic Burette | Vacuum Aspiration System | Economical Vacuum Aspirator |
|----------------------------------|--|--|---------------------------------|--|--|---|
| Model | Frespenser | Frespenser Plus | Frespenser Pro | Lab1st Patience | Vacpette Plus | Vacpette |
| Application | Reagent pipetting and liquid dispensing | | | Used in titration operations in chemical analysis, food industry, environmental analysis | Liquid collection and storage treatment, including cell culture medium, suspension, supernatant. | |
| Operation | Manual | Manual | Electronic | Electronic | Electronic | Electronic |
| Volume Range | 0.5-5 mL 1.0-10mL 2.5-25 mL 5.0-50 mL | 0.5-5 mL 1.0-10mL 2.5-25 mL 5.0-50 mL 10-100mL | 0.1-99.9 mL | 0.01-99.99 mL | Vacuum range: 0-600mbar Bottle volume:4L | Vacuum range: 0-500mbar Bottle volume:2L |
| Reagent Recovery Function | NO | Yes | Yes | Yes | NO | NO |
| Features | - | -Pro Glass piston (Part volume) | - | - | Sensitive level sensor,Self-closing connector | 1L bottle optional, Switch manual and continuous aspiration |
| Fully autoclavable | The part where the liquid flows | Whole | - | - | The part where the liquid flows | The part where the liquid flows |
| Accessories | Screw adapter | Screw adapter | Spiral dispensing pipe | Spiral dispensing pipe | Handle adapter | Handle adapter |