



User Manual

Electronic Pipette Plus

SPIP-DE50

Please read the instructions carefully and keep them properly for future reference before use.

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01 Precautions

Thank you for purchasing this product. In order to fully enjoy Servicebio's comprehensive service, please read this manual carefully before using the product.

- Please carefully check whether the voltage displayed in the product specifications matches the charging voltage before charging.
- During charging, please ensure that the charging cable and Type-C port stay away from water or other liquids.
- Replace the charging cable promptly if it is damaged.
- If liquid is sucked into the PTFE hydrophobic filter due to improper use, please replace it promptly.
- Place the pipette on a flat and stable surface during use.
- Do not place the pipette on the edge of the workstation to avoid dropping.
- Avoid placing the pipette on a high-temperature surface or in direct sunlight.
- Any abnormal operation must be authorized by Servicebio's authorized service center, in addition to the operations specified in the manual.
- Servicebio rigorously tests randomly selected products for actual use according to quality control procedures, therefore, it takes responsibility for and provides explanations for any usage traces found on the product.
- Servicebio is not responsible for warranty and compensation for pipette damage and property loss caused by failure to follow the instructions for use.

02 Product Introduction

This product adopts an integrated design, with a compact and convenient shape. It can be compatible with pipettes and ranging from 1mL to 100mL, and the liquid aspiration and drainage speed can be adjusted based on the pressure applied (including gravity drainage).

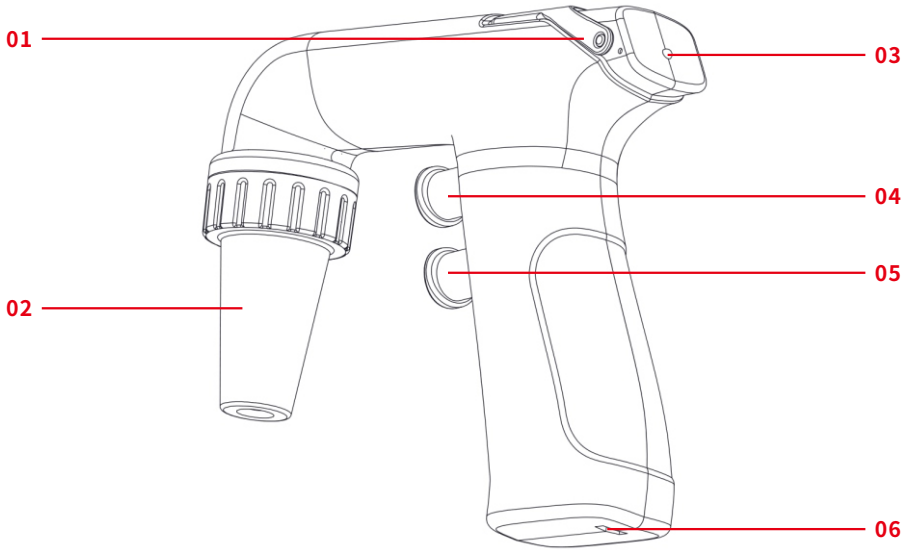
Product Features

- 1.It is compatible with various commonly used serological pipettes.
- 2.One button for aspiration and one button for drainage, allowing the adjustment of aspiration/drainage speed by adjusting the pressure applied. Releasing the button stops aspiration/drainage. Additionally, the pressure-sensitive variable speed control makes operation extremely convenient.
- 3.LED indicators display the battery status of the pipette, providing a simple and clear indication.
- 4.It is compatible with a hydrophobic filter membrane with a pore size of 0.22 μ m to prevent backflow and protect the device.
- 5.The large capacity lithium battery provides long-lasting battery life.
- 6.Type-C port for charging, providing strong compatibility.
- 7.It comes with a built-in stand for convenient placement.
- 8.It supports both gravity and motor-driven drainage modes, allowing easy switching between the two.

03 Product Parameters

| | |
|------------------------------|---|
| Battery Level Display | LED indicator |
| Motor Type | Miniature Vacuum Pump |
| Aspiration Speed | 50ml < 10s |
| drainage Mode | Motor-driven / Gravity drainage |
| Battery | Lithium-oil battery: Input:DC5V / \leq 0.8A Capacity:1800mA |
| Speed Control | Pressure-sensitive infinite speed adjustment |
| Battery Life | 3 weeks of intermittent operation |
| Charging Time | Approximately 1.6 h |
| Compatible Pipette | Pipettes (1mL-100mL) |
| Filter | 0.22 μ m, Hydrophobic PTFE membrane |
| Weight | 185g |

04 Product Structure



01 Stand

02 Adaptor

03 LED indicator

04 Aspiration

05 Drainage

06 Type-C charging port

Notes: Adaptors can compatible with 1 mL -100 mL pipettes

05 Operation Guide

5.1 Aspiration & Speed Adjustment

After inserting the pipette into the adaptor, place it in the target liquid and press the aspiration button, the pipette will aspirate the liquid. The greater the pressing distance and force, the faster the liquid will be aspirated; conversely, a smaller pressing distance and force will result in slower aspiration.

5.2 Drainage & Speed Adjustment

Press the drainage button to dispense the liquid. There are two modes to choose from during the drainage process: gravity drainage mode and power drainage mode.

1.Gravity drainage mode: lightly press the drainage button and apply slight pressure, allowing the liquid to naturally flow out due to its own weight.

2.Power drainage mode: under gravity drainage mode, further press the drainage button to trigger the operation of the miniature pump, thereby accelerating the drainage speed.

5.3 LED Indicator Display Battery Level

During Pipetting Operation

| Battery Level | LED Indicator Display |
|---------------|-----------------------|
| > 20% | Light on |
| ≤ 20% | Rapid flashing |

During Charging

| Battery Level | LED Indicator Display |
|---------------|-----------------------|
| < 80% | Slow flashing |
| ≥ 80% | Light on |

5.4 Usage of the stand

The stand has only two stable states.



1.Storage state



2.Support state

1.Storage state: The stand is aligned with the pipette gun.

2.Support state: When the stand is needed, rotate it to the support position.

5.5 Compatible Consumables

Pipettes(1mL-100mL).

ⓘ **Reminder**

- When using different types of pipettes, it may affect the aspiration and drainage speed. Please refer to the actual situation for accurate results.

06 Packing List

| No. | Name | Qty |
|-----|-------------------------|-----|
| 1 | Electronic Pipette Plus | 1 |
| 2 | Type-C Charging Wire | 1 |
| 3 | User Manual | 1 |

Warranty Card

| | | | |
|-----------|--|-------------------|--|
| User Name | | Tel. | |
| Cat.No. | | Manufacturing No. | |

Maintenance Records

| Warranty date | Fault and repair log | Date of repair | Maintenance engineer |
|---------------|----------------------|----------------|----------------------|
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