



User Manual

Electronic Pipette Plus

SPIP-DE50

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

Wuhan Servicebio Technology Co.,Ltd.

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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 plastic/glass serological pipettes and pasteur pipettes ranging from 1mL to 100mL, and the liquid aspiration and dispensing speed can be adjusted based on the pressure applied (including gravity dispensing).

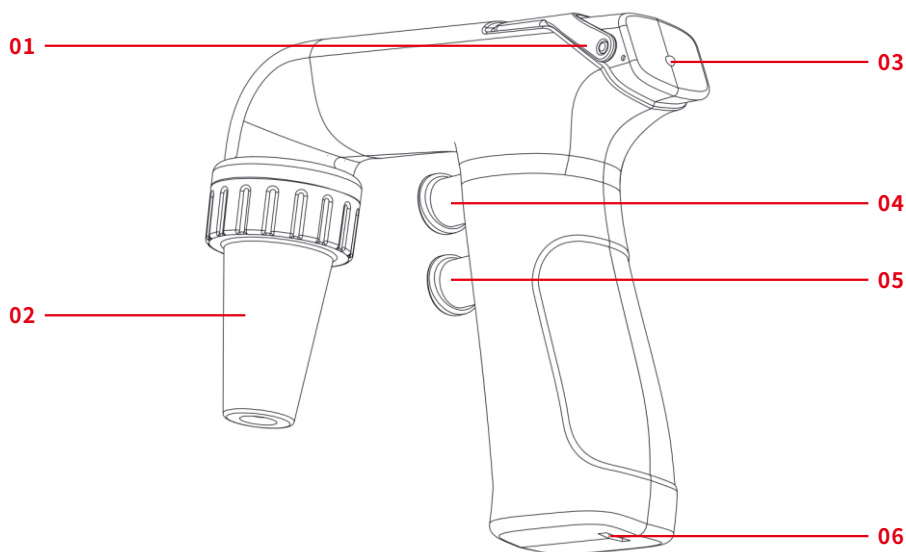
Product Features

1. It is compatible with various commonly used serological pipettes.
2. One button for aspiration and one button for dispensing, allowing the adjustment of aspiration/dispensing speed by adjusting the pressure applied. Releasing the button stops aspiration/dispensing. 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 0.22μm 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 dispensing modes, allowing easy switching between the two.

03 Product Parameters

Battery Level Display	LED indicator
Motor Type	Miniature Vacuum Pump
Aspiration Speed	50ml < 10s
Dispensing Mode	Motor-driven / Gravity dispensing
Battery	Lithium-oil battery: Input:DC5V / ≤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	Plastic / glass serological pipettes and pasteur pipettes
Filter	0.22μm, Hydrophobic PTFE membrane
Weight	185g

04 Product Structure



01 Stand

02 Adaptor

03 LED indicator

04 Aspiration knob

05 Dispensing knob

06 Type-C charging port

Notes: Adaptors can compatible with 1 mL -100 mL plastic / glass serological pipettes and Pasteur 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 Dispensing & Speed Adjustment

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

- 1.Gravity dispensing mode: lightly press the dispensing button and apply slight pressure, allowing the liquid to naturally flow out due to its own weight.
- 2.Power dispensing mode: under gravity dispensing mode, further press the dispensing button to trigger the operation of the miniature pump, thereby accelerating the dispensing 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

Plastic / glass serological pipettes and Pasteur pipettes.

ⓘ Reminder

- When using different types of pipettes, it may affect the aspiration and dispensing 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



Wuhan Servicebio Technology Co., Ltd.



027-5111-3188



4006-027-178



www.servicebio.com



5th Floor, 22 Building, Biopark, No. 388 Gaoxin 2nd Road, East Lake High-tech Developing Zone, Wuhan, Hubei China, 430079