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FITHOOD CS-DSP036MD

FITHOOD Replacement Battery User Manual

For Drummond Scientific Portable Pipet-Aid PK, XL, XP2 (Part No. 4-000-036)

Introduction

This manual provides essential instructions for the safe and effective use of your FITHOOD replacement battery. This battery is specifically designed to be compatible with Drummond Scientific Portable Pipet-Aid models PK, XL, and XP2, replacing original part number 4-000-036. Please read this manual thoroughly before installation and operation to ensure optimal performance and longevity of your battery.

Setup and Installation

Safety Precautions

- Always power off and unplug the Pipet-Aid device before attempting battery replacement.
- Do not attempt to disassemble, open, or service the battery pack.
- Avoid crushing, puncturing, short-circuiting external contacts, or disposing of the battery in fire or water.
- Do not store above 60°C (140°F).
- Ensure proper polarity when connecting the battery.

Compatibility Check

This FITHOOD battery is a direct replacement for Drummond Scientific Part No. 4-000-036 and is compatible with the following models:

- Drummond Scientific Portable Pipet-Aid PK
- Drummond Scientific Portable Pipet-Aid XL
- Drummond Scientific Portable Pipet-Aid XP2

Installation Steps

1. **Prepare the Device:** Ensure your Drummond Scientific Portable Pipet-Aid is powered off and disconnected from any charging source.
2. **Locate Battery Compartment:** Refer to your Pipet-Aid's original manual to locate and open the battery compartment. This typically involves removing a cover or panel.
3. **Remove Old Battery:** Carefully disconnect the old battery from its connector and remove it from the compartment.

Observe the orientation of the connector.

4. **Insert New Battery:** Connect the new FITHOOD battery to the device's battery connector, ensuring the correct orientation. Gently place the battery into the compartment. Do not force it.
5. **Secure Compartment:** Close and secure the battery compartment cover.
6. **Initial Charge:** After installation, it is recommended to fully charge the new battery before its first use. Connect your Pipet-Aid to its charger and allow it to charge until the charging indicator shows a full charge.



Image: The FITHOOD replacement battery, showing its blue casing, wiring, and white connector. The label with model number CS-DSP036MD and Ni-MH type is clearly visible.

Operating Instructions

Initial Charging

For optimal performance, fully charge the battery before its first use. This conditions the battery and helps achieve its maximum capacity.

Regular Use and Charging

Use your Pipet-Aid as normal. When the battery indicator shows low power, connect the device to its charger. It is generally recommended to fully discharge and then fully recharge Ni-MH batteries periodically to maintain their capacity, though modern chargers often manage this automatically.

Battery Life Optimization

- Avoid frequent partial discharges followed by partial recharges, as this can lead to a 'memory effect' in Ni-MH batteries over time.
- Do not leave the battery completely discharged for extended periods.
- Operate the Pipet-Aid within its recommended temperature range. Extreme temperatures can affect battery performance and lifespan.

Maintenance

Storage

If the Pipet-Aid or battery will not be used for an extended period, store the battery in a cool, dry place, ideally at about 50% charge. Avoid extreme temperatures and direct sunlight. Recharge the battery every 3-6 months to prevent deep discharge.

Cleaning

Keep the battery contacts clean and free from dust or debris. Use a dry, soft cloth to wipe the battery if necessary. Do not use liquid cleaners.

Disposal

Do not dispose of the battery in household waste. Ni-MH batteries contain recyclable materials and should be disposed of at designated recycling centers. Consult local regulations for proper battery disposal.

Troubleshooting

Battery Not Charging

- **Check Connections:** Ensure the battery is correctly installed and its connector is firmly seated in the Pipet-Aid. Verify the Pipet-Aid charger is properly connected to both the device and a working power outlet.
- **Verify Charger Functionality:** Test the charger with another compatible battery or device if possible, to rule out a faulty charger.
- **Temperature:** Ensure the charging environment is within the recommended temperature range (typically 0°C to 45°C).

Short Operating Time

- **Full Charge Cycle:** Ensure the battery is consistently receiving a full charge. Perform a full discharge-recharge cycle if you suspect a 'memory effect'.
- **Battery Age:** All rechargeable batteries have a finite lifespan. If the battery has been in use for a long time, its capacity may naturally diminish.
- **Environmental Factors:** Operating the device in very cold or hot conditions can temporarily reduce battery performance.

Device Not Powering On

- **Battery Charge:** Confirm the battery has sufficient charge.
- **Installation:** Re-check that the battery is correctly installed and connected.
- **Device Issue:** If the battery is charged and correctly installed, the issue might be with the Pipet-Aid device itself. Consult the Pipet-Aid's manual or manufacturer.

Specifications



Image: Another view of the FITHOOD replacement battery, highlighting the product label with detailed specifications.

Feature	Specification
Model Number	CS-DSP036MD
Compatible Part Number	4-000-036
Battery Type	Ni-MH (Nickel Metal Hydride)
Voltage	3.6V
Capacity	700mAh / 2.52Wh
Dimensions (L x W x H)	44.80 x 25.10 x 18.00mm (1.76 x 0.99 x 0.71 inches)
UPC	778601044098
Manufacturer	CS

Warranty Information

FITHOOD offers a one-month free replacement or full refund policy for any product problems that may arise. This warranty covers manufacturing defects and performance issues under normal use conditions. Please retain your proof of purchase for warranty claims.

Customer Support

If you encounter any issues not covered in this manual, or require further assistance, please contact the seller or FITHOOD customer support through the platform where the purchase was made. Provide your order details and a clear description of the problem for prompt assistance.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Details

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