

## Sartorius 791212

# Sartorius Optifit Extended Pipette Tips User Manual

Model: 791212

## 1. INTRODUCTION

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This manual provides comprehensive instructions for the proper use, care, and maintenance of Sartorius Optifit Extended Pipette Tips, Model 791212. Adhering to these guidelines will ensure optimal performance and longevity of the product.

## 2. PRODUCT OVERVIEW

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Sartorius Optifit Extended Pipette Tips are designed to perfectly match Sartorius Biohit pipettors, ensuring optimal compatibility and performance. These tips are manufactured from virgin polypropylene and are certified metal-free. They feature a design that ensures secure sealing with the pipettor's tip cone and facilitates easy tip ejection. The tips are autoclavable and supplied in easy-to-use, fully recyclable, and environmentally friendly packaging.

### Key Features:

- Environmentally friendly materials used in tips, trays, and racks are 100% recyclable or can be incinerated as energy waste.
- Easy matching with suitable Sartorius Biohit pipettes through color-coded tip trays.
- Easy, single-handed opening and closing of flip-top racks.
- Improved tip identification and traceability via informative rack labels indicating tip volume, product number, lot number, and purity level.



Image: Sartorius Optifit Extended Pipette Tips, Model 791212, shown in their refill pack packaging. The tips are purple and clear, housed in clear plastic racks with purple accents, designed for easy access and storage.

### 3. SETUP

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Before use, ensure you have the correct Sartorius Biohit pipettor compatible with Optifit tips. The color-coded tip trays facilitate easy matching with the appropriate pipette.

#### Preparation Steps:

1. Locate the desired tip rack. The informative rack labels provide details such as volume (50-1200 $\mu$ l), product number (791212), lot number, and purity level.
2. Open the flip-top rack using a single-handed motion.
3. Ensure the pipette tip cone is clean and free from debris before attaching a new tip.

### 4. OPERATING INSTRUCTIONS

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These tips are designed for precise liquid handling within the 50-1200 $\mu$ l volume range.

#### General Pipetting Procedure:

1. **Tip Attachment:** Firmly press the pipettor's tip cone into a tip in the rack until a secure seal is formed. The design ensures a tight fit.
2. **Aspiration:** Depress the pipettor plunger to the first stop, immerse the tip into the liquid, and slowly release the plunger to aspirate the desired volume.
3. **Dispensing:** Place the tip against the side of the receiving vessel, depress the plunger to the first stop, then to the second stop to expel any remaining liquid.
4. **Tip Ejection:** Press the tip ejector button on your pipettor to release the used tip into a waste container. The tip design allows for easy and clean ejection.

## 5. MAINTENANCE AND CARE

While pipette tips are consumables, proper handling and disposal are crucial for laboratory safety and environmental responsibility.

### Key Considerations:

- **Autoclaving:** Sartorius Optifit tips are autoclavable. Follow standard laboratory autoclaving protocols (typically 121°C for 15-20 minutes at 15 psi) if sterilization is required for the tips themselves or the racks for reuse in specific applications.
- **Storage:** Store tip racks in a clean, dry environment, away from direct sunlight and extreme temperatures, to maintain their integrity and prevent contamination.
- **Disposal:** The tips, trays, and racks are made from environmentally friendly materials that are 100% recyclable. Dispose of used tips according to laboratory waste management protocols, considering any biohazard or chemical contamination. The materials can also be incinerated as energy waste.

## 6. TROUBLESHOOTING

Most issues related to pipette tips can be resolved by ensuring proper technique and compatibility.

### Common Issues and Solutions:

Issue	Possible Cause	Solution
Poor seal between tip and pipettor	Incompatible pipettor; insufficient force during attachment; worn pipettor cone.	Ensure use of a compatible Sartorius Biohit pipettor. Apply firm, even pressure when attaching the tip. Inspect pipettor cone for damage.
Difficulty ejecting tip	Tip not fully seated; pipettor ejector mechanism issue.	Ensure tip is fully seated. Check pipettor's ejector mechanism for proper function.
Inaccurate volume dispensing	Improper pipetting technique; tip not securely sealed; pipettor calibration issue.	Review pipetting technique. Ensure secure tip attachment. Verify pipettor calibration.

## 7. SPECIFICATIONS

Attribute	Detail
Model Number	791212

Attribute	Detail
Brand	Sartorius
Material	Polypropylene (Virgin)
Volume Range	50-1200µl
Length	90mm
Sterility	Non-Sterile (Autoclavable)
Color	Purple (Tray accents)
Packaging	Refill Pack (Case of 960 tips)
Parcel Dimensions	49.78 x 20.07 x 16.76 cm
Item Weight	1.38 kg

## 8. WARRANTY AND SUPPORT

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Specific product warranty details for these consumable pipette tips are not provided in the product data. For information regarding returns or replacements, please refer to the seller's return policy, which typically allows for returns or replacements within 30 days of purchase.

For further assistance or inquiries regarding Sartorius products, please contact your local Sartorius representative or authorized distributor. You may also visit the official Sartorius website for support resources.