



Sustainability & Quality



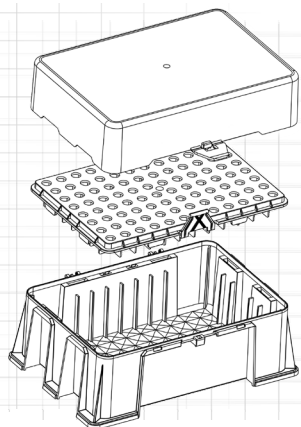
# Plastic Waste

A serious problem with lasting impacts for our planet

The issue of plastic waste facing our planet is not new, but it is getting worse. Environmental scientists are now considering plastic pollution to be one of the largest environmental threats facing humans and animals globally. If current trends in production and waste management continue, researchers predict that by 2050 we can expect to see an additional 12,000 metric tons of plastic waste in landfills or in the environment.

One-time use laboratory consumables are an essential tool in scientific research. While scientists make up only a small fraction of the world's population, they play a large role in contributing to the worldwide plastic problem. Researchers at the University of Exeter in England estimated that in 2014 alone laboratories were responsible for around 5.5 million metric tons of plastic waste — roughly the same as the weight of 67 cruise liners.

Luckily, many mindful scientists are becoming more conscious about the quantity of plastic waste that their work produces. Researchers worldwide are beginning to adopt greener laboratory practices that follow the key principles of reducing, reusing, and recycling plastics.



As an innovative manufacturer of pipette tips and other laboratory consumables, Biotix has embraced a comprehensive approach to help minimize the amount of plastic entering the waste stream. We prioritize sustainability while still providing industry-leading quality. Our approach addresses the issue at its core by investing in minimizing the amount of plastic used in creating quality laboratory products. Additionally, Biotix laboratory products are engineered and manufactured to be both reusable and recyclable.

Our pipette tips use less plastic than competitor tips, allowing researchers to continue using and disposing of tips at the same rate while still reducing their environmental footprint. Our tip reload solutions (CleanPack and Tip Eject) have also helped our customers to drastically reduce the amount of plastic waste from their research by up to 50%.

At Biotix, we help laboratories integrate greener practices while upholding the highest standards of accuracy, precision, and efficiency. Our environmentally-conscious approach is reducing the amount of plastic entering landfills all around the world.

# A Comprehensive Approach

Biotix is addressing the issue of plastic waste at the source by reducing the amount of plastic entering the waste stream

## Reducing at the source

Our patented designs for pipette tips and racks deliver top quality products while using less plastic. We are addressing the root of the plastic waste problem by ensuring we send the least possible amount of plastic into the waste stream.

- Less plastic and superior quality
- Pipette tips contain 30% less plastic than competitor tips
- Lightest pipette tip rack in the world



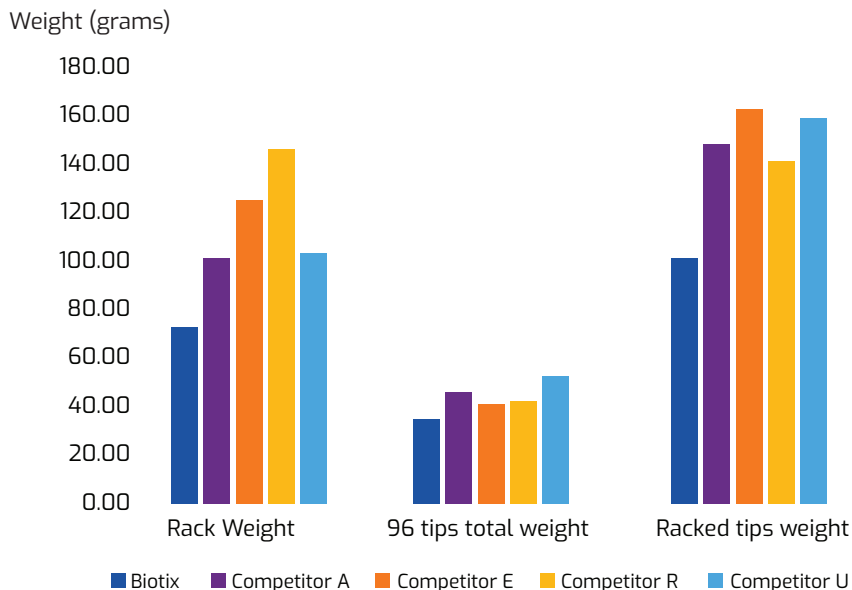
## Reusable functionality

Biotix pipette tip racks can be reused as automation or manual reagent reservoirs. They are structurally strong and can fulfill several functions in your laboratory.

- Designed for dual-functionality
- Reduce your spend on materials by purchasing less additional items for your laboratory
- Decrease your plastic waste and environmental impact

*“Competitive quality, yet more environmentally conscious.”*  
-Reviewer on [Selectscience.net](https://selectscience.net)

## Who Uses Less Plastic?



The graph on the left shows a comparison between plastic use in Biotix pipette tips and racks when compared to competitors. When a single researcher switches to Biotix racks from competitor E, they reduce their environmental footprint by more than one pound of plastic per pack.

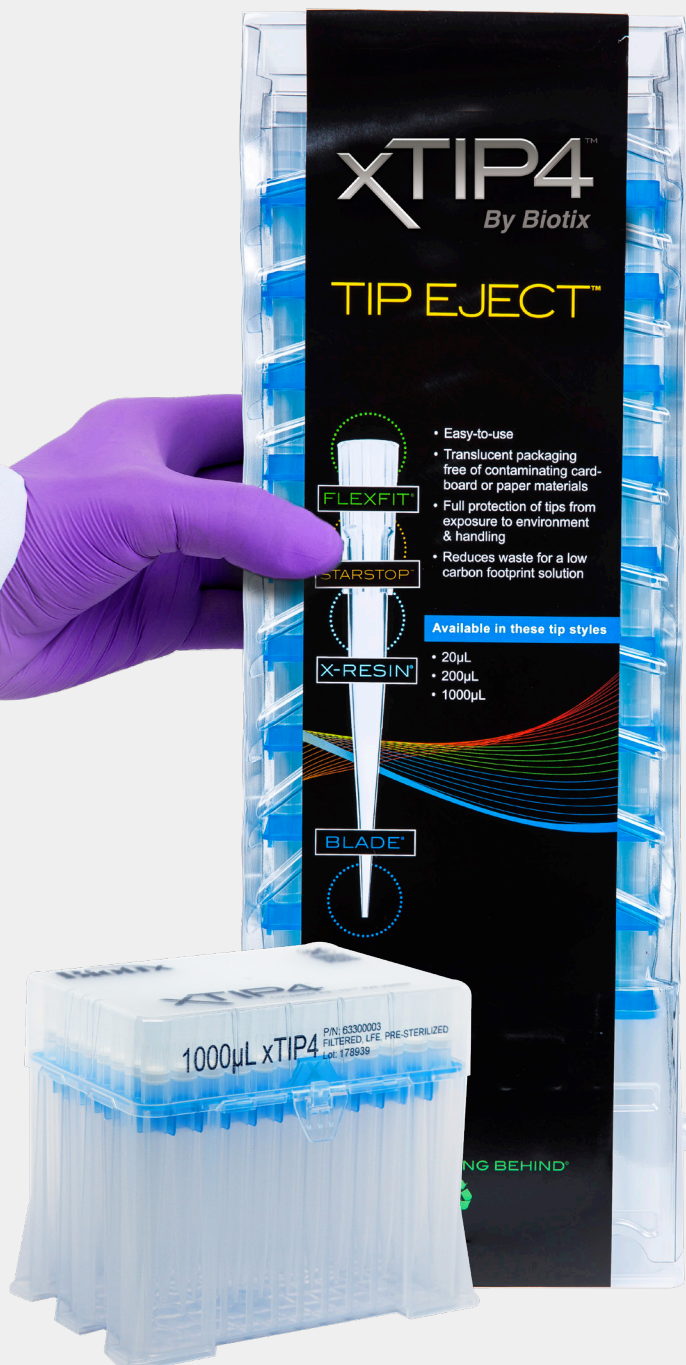
The Biotix approach reduces plastic use at the manufacturing level by designing and producing laboratory products with less plastic.

Learn more about our innovation in sustainability [here](#).



# Biotix Tip Eject Reloads

This Tip Eject reload system offers convenience and quality while reducing your lab's waste by 30%

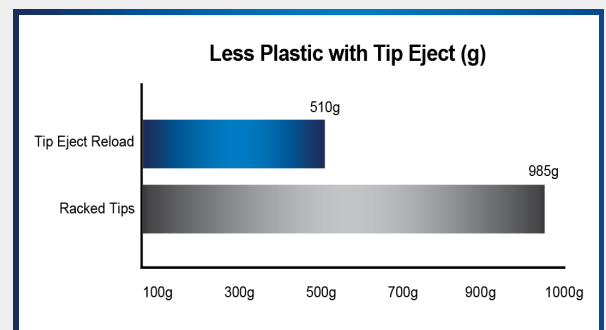


Our stackable pipette tip Tip Eject reloads insert directly into your existing pipette tip racks, helping to further reduce the environmental impact of unnecessary plastic waste.

The Tip Eject self-aligning reload solution allows you to easily reload your racks Biotix without coming into contact with the tips.

- 100% recyclable packaging
- Reduces plastic waste by 30% when compared to racked tips
- Rack base is reusable as a large volume, SBS-footprint reagent reservoir
- Only compatible with Biotix xPIPETTES and Rainin LTS pipettes

The graph below illustrates the amount of plastic used in a single Tip Eject reload compared to a complete rack of tips



# Biotix CleanPak Reloads

The CleanPak reload option reduces your lab's waste by 50% while providing tips with extra protection during storage

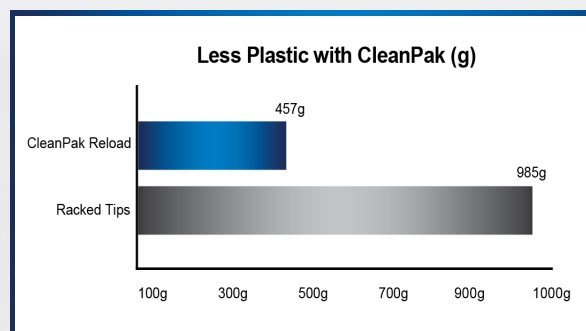


The Biotix CleanPak reload is easy to use and has a clean bag design that further reduces the amount of packaging and plastic waste. The bag is hermetically sealed to better protect tips against contaminants during transport and while being stored.

Available for universal pipettes as well as Biotix xPIPETTE and Rainin's LTS compatible pipettes.+

- 100% recyclable packaging
- Reduces plastic waste by 50% when compared to racked tips
- Reuse the rack base as a large volume, SBS-footprint reagent reservoir
- Resealable bag design reduces packaging waste while protecting tips in storage

The graph below illustrates the amount of plastic used in a single CleanPak reload compared to a complete rack of tips



# Reload SKUs

Our reload solutions are available in multiple convenient packaging options to help minimize your plastic use

Tip Eject Catalog No.	Description	Packaging
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## xTIP4 Tip Eject Reload, Compatible with xPIPETTE and LTS pipettes

63300015	0.2-20µL Sterilized	10 refills/pack
63300016	20-200µL Sterilized, Low Retention	
63300018	100-1000µL Sterilized, Low Retention	8 refills/pack
63300019	100-1200µL Sterilized, Low Retention	

## xTIP4 Empty Racks

63300151	Empty Racks for Tip Eject Reloads, 20-300µL tips	10 racks/pack
63300152	Empty Racks for Tip Eject Reloads, 1000-1200µL tips	

CleanPak Catalog No.	Description	Packaging
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## xTIP4 CleanPak Reload, LTS Compatible

63300010	0.1-20µL xTIP4, Sterilized	10 refills/pack
63300011	20-200µL xTIP4, Low Retention, Sterilized	
63300012	20-300µL xTIP4, Low Retention, Sterilized	
63300013	100-1000µL xTIP4, Low Retention, Sterilized	8 refills/pack
63300014	100-1200µL xTIP4, Low Retention, Sterilized	
63300025	0.1-20µL xTIP4	10 refills/pack
63300026	20-200µL xTIP4, Low Retention	
63300027	20-300µL xTIP4, Low Retention	
63300028	100-1000µL xTIP4, Low Retention	8 refills/pack
63300029	100-1200µL xTIP4, Low Retention	

## uTIP CleanPak Reload, Universal Pipette Tips

M-0010-9TS	0.1-10µL uTIP, Sterilized	10 refills/pack
M-0011-9TS	0.5-10µL XL uTIP, Sterilized	
M-0200-9TS	2-200µL uTIP, Sterilized, Low Retention	
M-0250-9TS	20-250µL uTIP, Sterilized, Low Retention	
M-0300-9TS	20-300µ uTIP, Sterilized, Low Retention	
M-1000-9TS	100-1000µL uTIP, Sterilized, Low Retention	
M-1250-9TS	100-1250µL uTIP, Sterilized, Low Retention	
M-0010-9TN	0.1-10µL uTIP	
M-0011-9TN	0.5-10µL XL uTIP	
M-0200-9TN	2-200µL uTIP, Low Retention	
M-0250-9TN	20-250µL uTIP, Low Retention	
M-0300-9TN	20-300µL uTIP, Low Retention	
M-1000-9TN	100-1000µL uTIP, Low Retention	
M-1250-9TN	100-1250µL uTIP, Low Retention	



[BIOTIX.com](https://www.biotix.com)

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