

Biotix is dedicated to producing top-quality liquid handling products for life sciences while making environmentally conscious decisions throughout the process.

MATERIALS

By taking innovative ideas to action, Biotix has created a solution to achieve minimal plastic waste in product materials. With the development of the patent-pending Bio-X resin, Biotix is the first to introduce compostable liquid handling products to the life sciences market.

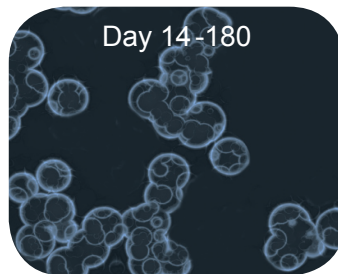
Compostable Bio-X Resin:

- ◆ Used in key Biotix products and packaging materials
- ◆ Will break down in typical landfill environments
- ◆ Allows labs to reduce plastic waste without sacrificing product quality or functionality



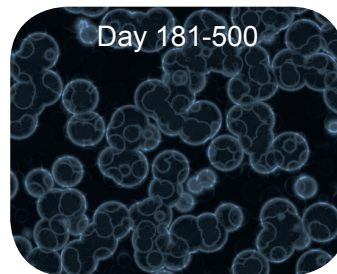
Day 1-13

Moisture builds up on landfill refuse, thus weakening polymer bonds and beginning the aerobic degradation process. O_2 is replaced with CO_2 .



Day 14-180

After CO_2 concentrations decline sufficiently, the anaerobic processes begin and microbe colonies break down polymers into monomers. CO_2 production occurs rapidly.



Day 181-500

Microbe colonies continue to grow. Acetogenesis occurs where fatty acids are converted to CH_3COOH , CO_2 and H_2 . CO_2 levels decline and H_2 production ceases.



Day 365-1825

Colonies continue to break down remaining polymers into humus, a highly nutritional soil which improves the microbes' environment for final decomposing.

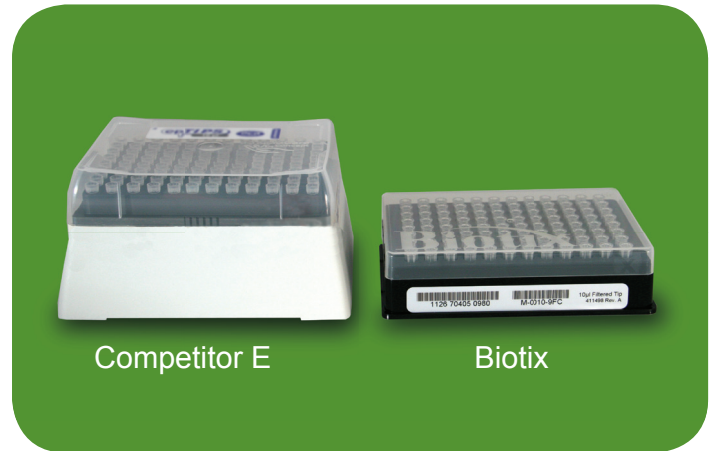
“YOU MUST BE THE CHANGE YOU
WISH TO SEE IN THE WORLD.”

- MAHATMA GANDHI

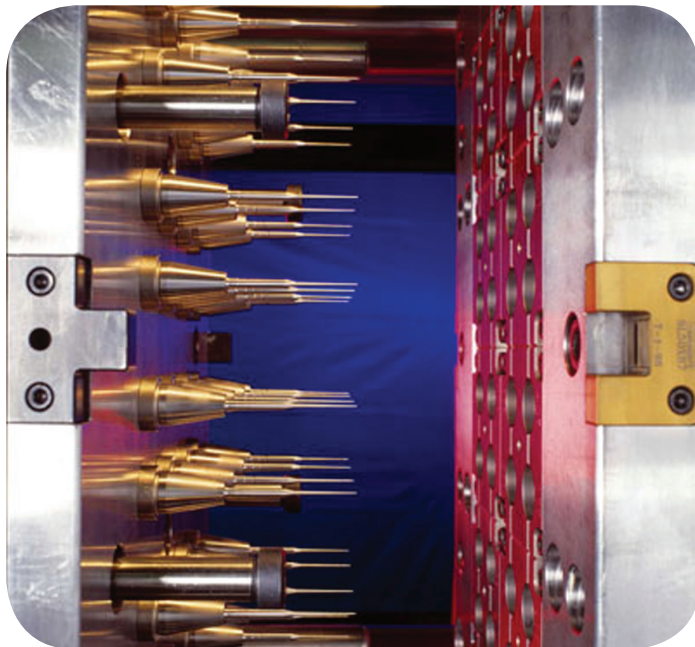
PACKAGING

“Leave Nothing Behind” is more than a tagline; it’s a philosophy that Biotix embraces and puts to practice when developing product packaging. For every product group, the packaging material and configuration is designed to use the least amount of plastic while ensuring top quality and functionality.

- ◆ Pipette tip racks are manufactured from plastic regrind (recycled resin)
- ◆ Reservoirs are packaged in an industry-first compostable bag
- ◆ Reload system eliminates the need for multiple plastic racks
- ◆ Polypropylene tip racks are recyclable
- ◆ Compact pipette tip racks



Biotix vs. Competitor packaging for same volume pipette tips. Competitor rack uses 20% more plastic and takes up 181% more space.



The core pins of a high cavity mold are injected into several openings at once.

PROCEDURES

Biotix has successfully trimmed the carbon footprint by implementing energy efficient manufacturing processes and operational facilities.

- ◆ Biotix molds use 1/3 less energy than standard molding machines
- ◆ Molds have several openings for plastic injection, allowing for the production of more pipette tips in a shorter period of time, thus wasting less energy and resources
- ◆ Facilities are built to utilize natural light and are less dependent on artificial lighting



Biotix pipette tip racks are produced from Polypropylene.



Biotix reagent reservoirs are produced from Polyethylene Terephthalate.

If recycled correctly, the plastic polymers used in Biotix pipette tips and reservoirs can be reprocessed into a number of useful products. Please do your part to preserve our earth and find a recycling program in your area.