



COMPOSTABLE BIOX-RESIN™

Biotix is the first to introduce compostable plastics for life science applications. BioX-Resin is a revolutionary eco-friendly compostable plastic used in key Biotix products. This plastic will break down to humus in typical

landfill environments. This is an ideal option for any laboratory that would like to reduce the volume of their plastic waste without changing their laboratory procedures, or sacrificing product 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.