

Ion Torrent chip recycling program



Introduction

We are committed to designing products with the environment in mind—it's part of how we enable our customers to make the world healthier, cleaner and safer. Here we describe the Ion Torrent™ chip recycling program and substantiate the claim that this product has a sustainable disposal program. We are providing a way for customers to recycle their used chips responsibly.

Product description

Ion Torrent™ chip kits contain chips for sequencing runs on our semiconductor-based sequencers—the Ion PGM™ System, Ion Proton™ System, Ion GeneStudio™ S5 System, and Ion Torrent™ Genexus™ System. These chips are used to detect polymerase-driven base incorporation and translate this information into digital form. They use simple sequencing chemistry, which does not require modified nucleotides, fluorescence, chemiluminescence, or enzymatic cascades. This revolutionary advancement in next-generation sequencing (NGS) technology makes massively parallel sequencing affordable for nearly every lab.

Green features

Sustainable disposal

To recover valuable metals from these chips, we're partnering with two reputable, certified recyclers in the United States and Europe to collect and process the chips. Recovered metals are then recycled into the manufacturing stream, which helps reduce additional mining of natural resources.

Instructions on where to send used chips for recycling are provided at thermofisher.com/product-take-back.

According to the World Economic Forum, around 20–50 million tons of e-waste are generated worldwide each year, and many contain precious metals that can end up in landfills from electronic equipment discards [1]. We support diverting waste from landfills by recovering and reusing our natural resources. This Ion Torrent chip recycling program is one small way we are reducing our environmental impact.

Reference

1. A New Circular Vision for Electronics, Time for a Global Reboot, World Economic Forum report. https://www3.weforum.org/docs/WEF_A_New_Circular_Vision_for_Electronics.pdf

Find out more at
thermofisher.com/product-take-back

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