

# 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. This fact sheet describes the Ion Torrent™ chip recycling program and substantiates 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

The Ion Torrent™ chip kits contain chips for sequencing runs on the Ion PGM™ or Ion Proton™ System—the first PostLight™ semiconductor-based sequencers. These chips are

used to detect polymerase-driven base incorporation and translate this information into digital form. They use simple PostLight sequencing chemistry, which requires no modified nucleotides, fluorescence, chemiluminescence, or enzymatic cascades. This revolutionary advance 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 Metech Recycling in the United States and TES-AMM in Europe and Asia. Both companies are leading electronics waste recyclers with international accreditations.

Metech Recycling is a certified e-stewards recycler; the company provides maximum data security by securely shredding Ion Torrent chips. Recovered metals are then processed and recycled into the manufacturing stream, which helps reduce additional mining of natural resources. Learn more at [metechrecycling.com](http://metechrecycling.com)

TES-AMM is a leading electronics waste recycler. The company recognizes the complexity of environmental legislation, and provides a means to both simplify the process for receiving the used chips and ensure compliance with international shipping and waste regulations. TES-AMM facilities are ISO 14001 and OHSAS 18001 accredited and have been audited and approved by many internationally recognized companies. Learn more at [tes-amm.com](http://tes-amm.com)

Instructions on where to send used chips for recycling are provided on our Ion community website.

According to the United Nations Environment Program, around 20 to 50 million tons of e-waste are generated worldwide each year, and 70 percent of heavy metals in US landfills come from electronic equipment discards. 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.

Find out more at [ioncommunity.thermofisher.com/  
community/chip\\_recycling](http://ioncommunity.thermofisher.com/community/chip_recycling)

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