

SeqStudio Cartridge

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 green fact sheet describes the recycling program for Applied Biosystems™ SeqStudio™ Cartridges and substantiates the claim that this product has a sustainable disposal program. We are providing a way for customers to recycle their used cartridges responsibly.

Product description

The SeqStudio Cartridge is used for capillary electrophoresis on the Applied Biosystems™ SeqStudio™ Genetic Analyzer. The SeqStudio Cartridge includes the capillary array, POP-1™ Polymer, anode buffer, and pump—all in an easy-to-use reagent cartridge to minimize hands-on time. The SeqStudio Cartridge allows users to perform both Sanger sequencing and fragment analysis applications on the same cartridge with real-time consumables tracking via the radio frequency identification (RFID) tag. The on-instrument 6-month shelf life after opening also adds flexibility for the customer to store the cartridge either on the instrument or at 4°C.

Green features

Sustainable disposal

To provide our customers with a way to responsibly recycle their SeqStudio Cartridges, we are partnering with recyclers around the world to establish local recycling options. All companies that we are partnering with are experienced in electronic waste recycling, and many have international accreditations. Two of our largest recycling partners are e-End in the United States and Sims Recycling Solutions in Europe.

e-End is committed to recycling 100% of all materials to conserve natural resources. e-End operates in a manner designed to protect their employees, clients, and the environment, and it has earned the internationally recognized R2 Certification for responsible recycling as well as ISO 14001:2015 and OHSAS 18001 accreditations. All material in the SeqStudio Cartridge will be 100% recycled in accordance with their zero-landfill and no-export policy. To learn more, go to eendusa.com



applied biosystems

Sims Recycling Solutions is an electronics recycler. Sims is committed to the ecologically sound and sustainable use of resources and strives to operate in a manner that minimizes waste and prevents pollution. Sims Recycling Solutions plants are ISO 14001 and OHSAS 18001 accredited, and operate to standards set for responsible recycling practices for electronics recyclers (R2:2013). To learn more, go to simsrecycling.com

By recycling SeqStudio Cartridges, we estimate that our customers will be able to divert 516 kg of waste from landfill each year. This translates to 1.53 metric tons of CO₂, the equivalent of driving 3,750 miles in an average passenger vehicle [1,2]. We support diverting waste from landfill by recovering and reusing our natural resources. This SeqStudio Cartridge recycling program is one small way we are reducing our environmental footprint.



References

1. United States Environmental Protection Agency, "Tons of waste recycled instead of landfilled". Accessed October 5, 2017, epa.gov/energy/ghg-equivalencies-calculator-calculations-and-references#recycle
2. United States Environmental Protection Agency, "Greenhouse gas equivalencies calculator". Accessed October 10, 2017, epa.gov/energy/greenhouse-gas-equivalencies-calculator

To find out how you can recycle your SeqStudio Cartridges, please go to thermofisher.com/seqstudiorecycling

ThermoFisher
SCIENTIFIC