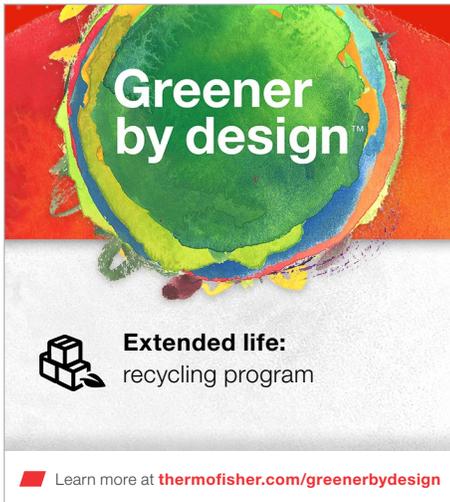


# SeqStudio Cartridge



## Introduction

We are committed to designing products with the environment in mind. This green fact sheet describes the recycling program for Applied Biosystems™ SeqStudio™ Cartridges and substantiates the claim that this product has a recycling 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 4-month shelf life after opening also adds flexibility for the customer to store the cartridge either on the instrument or at 4°C.



## Green feature

### Extended life

To provide our customers with a way to responsibly recycle their SeqStudio Cartridges, we are partnering with reputable and certified recyclers in the United States and Europe to offer customers a way to recycle their used cartridges. This material can then reenter the manufacturing stream, which helps reduce additional mining of natural resources.

Instructions on how to send used SeqStudio Cartridges are provided at [thermofisher.com/seqstudiorecycling](https://thermofisher.com/seqstudiorecycling).

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 1.64 metric tons of CO<sub>2</sub>, the equivalent of driving 4,070 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 April 12, 2022, [epa.gov/energy/ghg-equivalencies-calculator-calculations-and-references#recycle](https://epa.gov/energy/ghg-equivalencies-calculator-calculations-and-references#recycle).
2. United States Environmental Protection Agency, "Greenhouse gas equivalencies calculator". Accessed April 12, 2022, [epa.gov/energy/greenhouse-gas-equivalencies-calculator](https://epa.gov/energy/greenhouse-gas-equivalencies-calculator).

Find out more at [thermofisher.com/seqstudiorecycling](https://thermofisher.com/seqstudiorecycling)

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