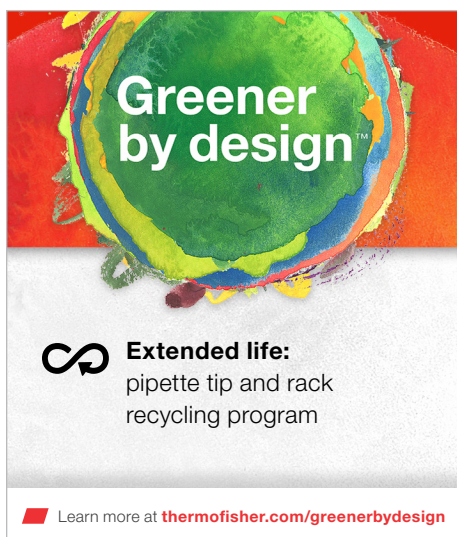


ART pipette tips



Introduction

Thermo Fisher Scientific is committed to designing our products with the environment in mind. This fact sheet describes the Thermo Scientific™ ART™ pipette tips recycling program and demonstrates the efficiency of our more sustainable disposable program to extend material life. We are providing a way for customers to recycle their used pipette tips, tip racks, and associated plastic packaging responsibly.

Product description

The proprietary aerosol resistant tip (ART) technology delivers consistent and reliable protection from aerosol contamination, to provide reproducible results and increase efficiencies in the most demanding of applications. ART tips are integral in helping prevent cross-contamination caused by routine pipetting whether the transfer is from a microplate or tube. Contamination can occur either by aerosolized particles or liquid passthrough from over-pipetting during PCR and qPCR. Any cross-contamination can result in the amplification of extraneous nucleic acids, which leads to false signals. Whether continuous or batch manufacturing is used for large or small molecule production, an ART tip option is available. ART Fit for Purpose badges and document support can facilitate the right tip choice for specific application needs. Go to thermofisher.com/fitforpurpose for more information.

Green feature

Extended life

The ART pipette tips TipCycle recycling program provides a seamless process to recycle single-use plastic pipette tips and pipette tip racks. The ART pipette tips portfolio utilizes polypropylene plastic (resin identification code 5), allowing them to be recycled using Thermo Fisher–approved recyclers.

To make recycling convenient for customers, ART pipette tips are packaged with a TipCycle recycling kit that gives access to a bag, tie, prepaid shipping label, waiver form and sign with instructions for collecting used nonhazardous pipette tips, tip racks, and associated plastic packaging. Per the instructions, the bag is placed within the product shipment box for collection of the recycled plastics after use. When the box is full, attach the prepaid label for shipment of the full box to a certified recycler in the United States. This valuable plastic material resource can be treated and recycled into a mixed plastic composite to create new plastic products. Single-use plastics are critical for healthcare, life sciences laboratories, and bioprocessing.

They provide many advantages over other materials but these high-value, virgin materials end up in landfills and incinerators. Laboratories discarded an estimated 12 billion pounds of plastic in 2015 [1]. We support diverting waste from landfills

by recovering and reusing single-use plastics, when feasible. The TipCycle recycling program for the ART pipette tips is just one way we are partnering with our customers to reduce the environmental impact of these single-use laboratory plastics.



Reference

1. Urbina MA, AJ Watts, and EE Reardon (2015) Environment: Labs should cut plastic waste too. Nature 528:479.

Find out more at thermofisher.com/recycle-pipette-tip

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