





Nunc conical sterile centrifuge tubes



Greener by design™

 **Responsibly packaged:** replaces EPS rack with reusable plastic; waste volume is reduced by 75–77%

 **Extended life:** packaging and plastic rack are reusable and recyclable¹

 Learn more at thermofisher.com/greenerbydesign

Introduction

Thermo Fisher Scientific is committed to designing our products with the environment in mind. This fact sheet provides the rationale behind the environmental claims that this product is responsibly packaged and designed for extended life through sustainable disposal, compared to traditionally packaged centrifuge tubes. Thermo Scientific™ Nunc™ polypropylene conical tubes are packaged in a compact, recyclable rack that eliminates the traditional expanded polystyrene (EPS) rack typically used by other manufacturers. The reusable, recyclable rack generates up to 77% less packaging waste by volume than traditionally packaged tubes, and eliminates the need to dispose of EPS racks in landfill after use. With the elimination of EPS, the shipping and packaging material for the Nunc conical tubes is now 100% recyclable, where facilities exist.¹

Product description

Made from high-purity resins and molded using state-of-the-art processes, Nunc polypropylene conical tubes are designed to be a safe alternative to glass tubes without sacrificing accuracy. Increase

traceability of samples with one of the largest writing areas on the market. These premium, high-quality conical tubes use less packaging and offer a reduction in waste generation, with a reusable and recyclable plastic rack.

A



B



Figure 1. Comparison of packaging for (A) Nunc centrifuge tubes and (B) traditionally packaged tubes.

Green features

Responsibly packaged and extended life

We have redesigned the packaging for these tubes to incorporate a collapsible, recyclable plastic rack rather than the EPS racks traditionally used (Figure 1). Using plastic reduces the risk of contamination from EPS particles, and also substantially decreases the high waste volume associated with the EPS rack. The new plastic rack is 75–77% smaller than the EPS rack, which translates to lower waste volumes (Table 1).

The new plastic racks are also sturdy enough to reuse, even in controlled environments where particulates are a concern. In the lab, this means less total waste to be managed—and the packaging waste can be diverted from landfill to recycling, supporting local sustainability programs such as zero waste.

Table 1. Comparison of packaging waste generated from Nunc centrifuge tubes and traditionally packaged tubes.

Product	Outer volume (cu. in.)*
15 mL Nunc (Cat. No. 339651 (x2))	17.7
15 mL Falcon (Cat. No. 352097)	76.5
Reduction: 77%	
50 mL Nunc (339653)	19.3
50 mL Falcon (352098)	77.4
Reduction: 75%	

* Racks for Nunc tubes were measured in collapsed configuration, and the measurements for the 15 mL Nunc tubes were doubled for comparison with the equivalent number of traditionally packaged tubes.

Reference

1. The plastic bubble wrap packaging component may not be recyclable in your area.

Find out more at thermofisher.com/conicals

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