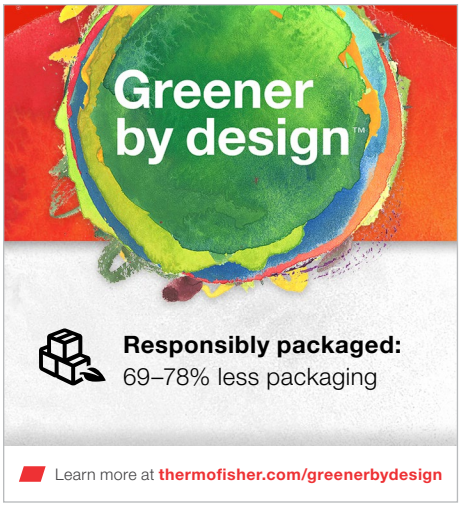
UltraPure agarose products



Introduction

We are committed to designing our products with the environment in mind. This fact sheet provides the rationale behind the environmental claim that the packaging for Invitrogen™ UltraPure™ agarose powder products uses less material than the previous packaging design. These agarose products are now responsibly packaged in pourable pouches, which are produced using much less plastic. Thus, the new package design leads to the use of fewer resources, lower greenhouse gas emissions during transit, and less waste at the products' end-of-life.

Product description

UltraPure agarose is a standard melting temperature, multipurpose agarose that is ideal for routine separation analysis. Its high gel strength specification prevents breakage during handling and during southern and northern transfers. UltraPure agarose can also be used in some protein electrophoresis applications such as Ouchterlony immunodiffusion (antigen–antibody interaction assay) and radial immunodiffusion (RID).

Green feature

Responsibly packaged

UltraPure agarose products were originally packaged in standard plastic bottles. By switching to plastic pouches (Figure 1), we were able to reduce packaging material by up to 78% compared to the original plastic bottles (Table 1). This translates to less raw material used, less energy needed to produce the products, less fuel consumed, and less greenhouse gas emitted during transit. It also means less waste for our customers to manage in their labs, supporting waste reduction and sustainability efforts.

Figure 1. New packaging for UltraPure agarose products.

Table 1. Comparison of packaging waste generated by previous packaging (bottle) versus current packaging (pouch).

Container size	Bottle weight (g)	Pouch weight (g)	% Reduction
Large	69.8	15.4	78%
Medium	42.7	13.3	69%
Small	29.8	8.5	71%

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