

StepOnePlus® Real-Time PCR Systems



Green Benefits

- Less packaging
- Increased freight density
- Lighter shipment
- Decreased fuel consumption and greenhouse gas emissions during transport
- Less waste disposal

Introduction

Life Technologies is committed to designing products with the environment in mind—it's one more step toward a smaller footprint. This fact sheet provides the rationale behind the environmental claim that the StepOnePlus® Real-Time PCR System now uses less packaging material than their preceding packaging design. Environmental benefits include reduction in packaging weight and improved packing density. This change could result in the generation of less greenhouse gas in shipping as the new packaging is lighter and smaller to transport. Furthermore, less packaging waste is generated at end-of-life.

Product Description

The StepOnePlus® Real-Time PCR Systems is perfect for both first-time and experienced users. The can be set up in a variety of configurations and come ready to use out of the box, with intuitive data analysis and instrument control software. Utilizing robust LED based 4-color optical recording, the StepOnePlus® Real-Time PCR System is designed to deliver precise, quantitative Real-Time PCR results for a variety of genomic research applications.

Green Features

Sustainable Packaging

By changing our inner packaging design we have been able to reduce the cube dimension of our packaging by nearly 20% and the total material weight by 31%. These changes result in an increased freight density—allowing our carriers to put more on their planes and trucks which could lead to less greenhouse gas emissions in transporting the product around the world.

Table 1. Package Design.

Instrument	L(in)	W(in)	H(in)	Volume (cu. in.)	Weight (kg)
Old	27.25	25.44	21.56	14,947	5.8
New	25.25	16.19	29.94	12,236	4
Net Reduction				18.1%	31%



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