

Veriti® Thermal Cyclers



Green Benefits

- Less packaging
- Increased freight density
- Lighter shipment
- Allows decreased fuel consumption and greenhouse gas emissions required for transport
- Less waste for 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 Veriti® Thermal Cyclers now use less packaging material than that used for preceding instrument models. Environmental benefits include reduction in packaging weight and improved packing density. This allows for a decrease in greenhouse gas emissions as the instrument is lighter and smaller to transport. Furthermore, less packaging waste is generated at end-of-life.

In addition, the Veriti® Thermal Cycler is safe and easy to recycle, because

it is designed free of key hazardous substances commonly found in electronic products (e.g., lead, mercury, cadmium, hexavalent chromium, and polybrominated flame retardants).

Product Description

Veriti® Thermal Cyclers deliver the reliability of Applied Biosystems 9600/9700 GeneAmp® instruments with the added flexibility for large experiments and with VeriFlex™ Blocks, for providing precise control over PCR optimization. Additionally, the powerful user interface through the color-touch screen simplifies the setup and use of the Veriti® Thermal Cycler. Optional setups for fast PCR or standard PCR methods provide the flexibility to shorten your PCR cycling time.



New inner packaging compared to old.



New outer packaging compared to old.

Green Features

Sustainable Packaging

By changing our inner packaging design, we have been able to reduce the cube dimension of our packaging by nearly 41%. These changes result in an increased freight density—allowing our carriers to put more on their planes and trucks. This can reduce the greenhouse gas emissions that result from transporting product around the world.

UL Environment™ Validation

UL Environment helps support the growth and development of sustainable products and services in the global marketplace through independent third-party assessment and certification. UL Environment is a wholly-owned subsidiary of Underwriters Laboratories, a global leader in conformity assessment

Table 1. Package Design

	Length (in)	Width (in)	Height (in)	Volume (cu. in.)
Old	24.7	16.8	20.4	8484
New	23.5	15.0	14.2	8018
Net Reduction				40.8%

that has been testing and certifying products and writing standards for over 115 years.

We have presented the data that supports our claim that the Veriti® 96-Well Thermal Cycler, Model 9902, was designed to be compliant with the requirements of Directive 2002/95/EC of the European Parliament on the restriction of the use of certain hazardous substances in electrical and electronic equipment. This claim has been validated by UL Environment in

accordance with the Federal Trade Commission's 16 CFR Part 260 – Guides for the Use of Environmental Marketing Claims. This validation helps ensure that environmental statements being made by manufacturers are accurate and not deceptive.

For more information about UL Environment please see <http://www.ulenvironment.com/ulenvironment/eng/pages/offering/services/ecv/>.



✓ Directive 2002/95/EC RoHS Compliant

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