

Veriti® 96-Well Fast Thermal Cycler

Comparison to the 9800 Fast Thermal Cycler



Green Benefits

- Less material usage
- Decreased fuel consumption and greenhouse gas emissions for transport
- Less waste
- Less hazardous waste

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 this product utilizes fewer raw materials and is less hazardous for disposal than its predecessor, the 9800 Fast Thermal Cycler. The Veriti® 96-Well Fast Thermal Cycler is safer and easier 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

The Veriti® 96-Well Fast Thermal Cycler delivers the same proven reliability as the Applied Biosystems® 9600 and 9700 GeneAmp® PCR instruments, with the

added control of VeriFlex™ Blocks and a 6.5" full-color touch screen.

Green Features

Less Hazardous

The Veriti® 96-Well Fast Thermal Cycler was engineered to meet the European Union's Restriction of Hazardous Substances (RoHS) Directive (Directive 2002/95/EC)—eliminating lead, cadmium, mercury, hexavalent chromium, polybrominated biphenyls (PBBs), and polybrominated diphenyl ethers (PBDEs).

Less Waste/Fewer Resources

Manufacturing the Veriti® 96-Well Fast Thermal Cycler requires 5% less material than its predecessor, the 9800 Fast Thermal Cycler. Furthermore, the instrument was designed to have a smaller footprint (26%); this helps to improve laboratory space use efficiency (Table 1).

Table 1. Instrument Weight and Footprint.

	Instrument Weight (kg)	Footprint
Veriti® Model 9901	11.4	1149 cm ² (48.5 cm x 23.7 cm)
9800 Fast Thermal Cycler	12.0	1560 cm ² (52 cm x 30 cm)
Material Reduction	5%	26%

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