

# Safe Imager™ 2.0 Blue-Light Transilluminator



## Green Benefits

- Energy efficient

## Introduction

Life Technologies is committed to designing our 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 is energy efficient, and less hazardous for disposal.

## Product Description

The Safe Imager™ 2.0 Blue-Light Transilluminator is designed for viewing stained gels on the laboratory bench top, or within gel documentation systems. Light from the LED source inside the instrument passes through a blue filter producing light with a narrow emission peak centered at approximately 470 nm, optimal for the excitation of SYBR® dyes such as SYBR® Safe DNA gel stain, as well as many of our protein gel stains such as SYPRO® Ruby, and SYPRO® Orange stains.

*Condition: Instrument completing a run (Table 1)*

**Setup: Safe Imager™ Blue-Light 2.0 Transilluminator:** Instrument was set up to process a sample. The instruments were set up at run nominal voltage 115 VAC @ 60 Hz.

**Table 1: Energy Usage When Performing a Run**

	Average Usage (Kw)	Run Time (hour)	Kw-hr
Safe Imager™	0.036	1	0.036
Safe Imager™ 2.0	0.020	1	0.020
<b>Energy Conservation</b>			<b>44.4%</b>

Note: Run time of 1 hour chosen for analysis.

Sensitivity obtained using this instrument is comparable to that obtained with a standard UV transilluminator.

The Safe Imager™ 2.0 Blue-Light Transilluminator was engineered to meet the European Union's Restriction of Hazardous Substances (RoHS) Directive (Directive 2002/95/EC)—eliminating lead, cadmium, mercury and hexavalent chromium and polybrominated biphenyls (PBBs) and polybrominated diphenyl ethers (PBDEs).

## Green Features

### Energy-Efficient

The Safe Imager™ 2.0 Blue-Light Transilluminator draws 44.4% less energy when performing a run, as compared to the original Safe Imager™ Blue-Light Transilluminator.

Life Technologies offers a breadth of products | DNA | RNA | protein | cell culture | instruments

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