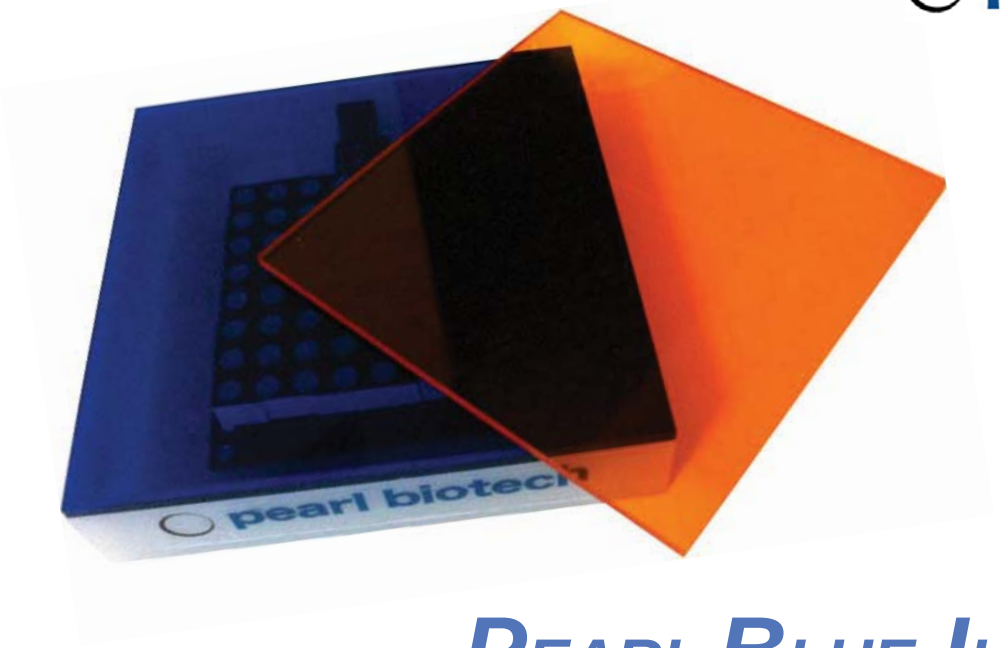
pearl biotech



PEARL BLUE ILLUMINATOR

nature biotechnology

Nature Biotechnology Journal coverage (27 1077-1078)
Biotech in the Basement: Amateur hobbyists are creating home brew molecular-biology labs, but can they ferment a revolution?

Features

- Optimized excitation for SYBRSafe, GelGreen, GR Safe, SYBR Gold and SYBR Green I & II
- No UV light = No DNA damage!
- Clone with DNA samples after extraction
- Slim footprint fits in a drawer - 25% the size of massive illuminators
- Loved in labs around the world since 2009

Specs

- Illumination of gels up to 4" x 4” (10 cm x 10 cm)
- Overall dimensions: 4.25" x 4.25" x 0.69” (11 cm x 11 cm x 1.75 cm)
- Viewing surface dimensions: 4" x 4” (10 cm x 10 cm)
- Light source: Class 1 LED (Light Emitting Diodes) with a narrow emission peak centered at ~470 nm
- LED Life: 50,000 hours

What’s in the Box

- Blue LED gel illuminator (468 nm peak wavelength)
- Amber Illuminator filter
- 5V Illuminator power supply

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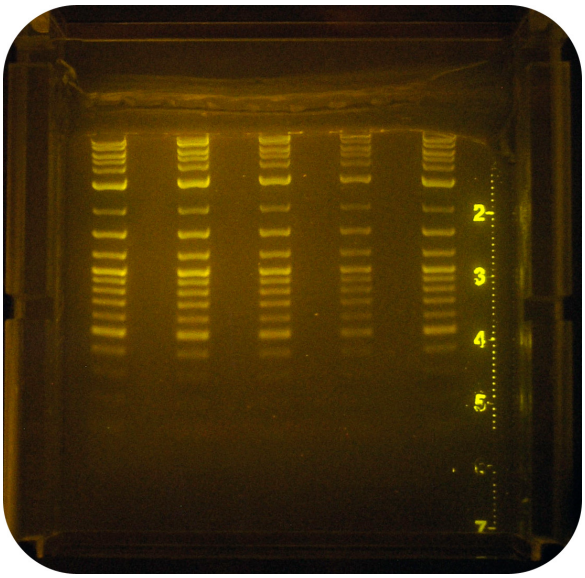

Performance

Gel stained with SYBRSafe visualized with Pearl Blue Illuminator.

Image from Gel run with 1 ug Invitrogen Ladder, SYBRsafe dye, and Pearl Blue Transilluminator using Owl B2 Gel Box. Customer's lab at University of Hawaii, 2009.

About PEARL

Pearl Biotech makes bioengineering accessible by designing cool, smart equipment for the modern genetic explorer.

We are standing on the shoulders of giants. Open hardware projects like Arduino and open access projects such as OpenWetWare inspired us to begin Open Gel Box discussions on OpenWetWare.

The design of the Open Gel Box and the Pearl Blue Transilluminator are a culmination of mind storming sessions, trial-and-errors and discussions with Kay Aull, Jonathan Cline, Mac Cowell, John Cumbers, Jim Hardy, Tito Jankowski, Michael Katsevman, Tom Knight, Meredith Patterson, Norman Wang, and many others who actively participated on the DIYBio Google Groups forum and gave their thoughts through the Open Gel Box 2.0 RFC.

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