



ABLOOK™

pBLOOK™ LED transilluminator

Catalog number: BK002

Description

pBLOOK™ is a remarkable blue light LED transilluminator (Fig. 1) for nucleic acid detection with non-UV excitation conditions, hence no damage to your DNA fragments. The excitation wavelength of the device is 470 nm, the best excitation condition suitable for most of all commercial fluorescent DNA staining dye. The special designed can inspect the amplification result in tube after PCR reaction. User can observe the signal simultaneously through the amber filter on cover frame.

Accordingly, amaR OnePCR systems would be recommended to use from the initiation step, for the best detection condition.

* Please be noted that pBLOOK™ is not suitable for ethidium bromide.

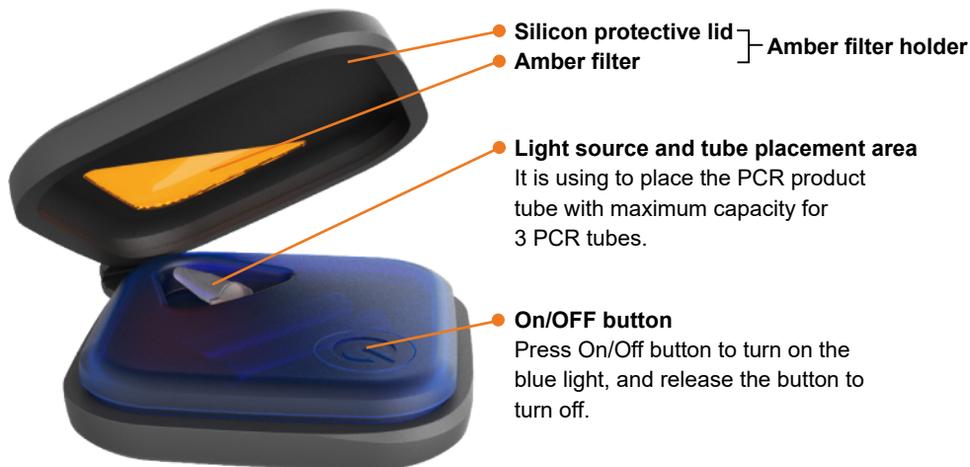


Fig. 1. pBLOOK™ blue light LED transilluminator.

Contents

pBLook™ LED transilluminator	Amber filter holder
 A black, diamond-shaped device with a blue LED light source on the left side and a power button on the right side.	 A black, diamond-shaped device with a red filter on the left side and a clear lens on the right side.

Related Ordering Information

Product Name (Catalog Number)	amaR OnePCR (SM213-0250)	amaR OnePCR HiFi (SM215-0100)	amaR OnePCR HotStar (SM216-0100)
----------------------------------	-----------------------------	----------------------------------	-------------------------------------

Note: This instrument is designed to shield only the person working in front of the system and to observe the gel fluorescence emission clearly.

Specifications

Unit dimensions (W × L × H)	83 mm x 83 mm x 22 mm
Weight (g)	100 g
Input voltage	AAA Battery, 1.5V x 3 pieces
LED source	Built-in blue light LED module
LED life (hours)	>30000 hours
Emission maxima (nm)	470 nm
Store temperature	25°C
Operating temperature	40°C
Filter type	Amber filter

Installing the Battery



Step 1:
Dismantling the amber filter holder.

Step 2:
Unscrewing.

Step 3:
Put 3 of AAA Batteries (not provided) in the battery tank and reassemble the ρ BLOOK.

Operating

1. Open the Silicon protective lid, and place the PCR product tube on the tube placement area.
2. Close the Silicon protective lid, and press the On/Off button, the fluorescent samples can be viewed through the window.

Note: It is recommended that gloves be worn to prevent skin contact with gel and staining agents

3. Release the On/Off button, and the light will be turned off automatically.

Troubleshooting

Common problems which you may encounter during using the ρ BLOOK™ LED transilluminator:

Problem	Cause	Solution
Low sensitivity	Wavelength may not be right	Check the excitation and emission wavelengths of the fluorescence dye
	Low sample concentration	Check the concentration of sample

Maintenance

- The transilluminator should be damply wiped off with a soft cotton cloth by alcohol, glass cleaners or similar mild detergents.
- Do not use aggressive cleaning detergents or solvents.

Warranty

GeneDireX, Inc. warrants that pBLook™ LED transilluminator will be free from defects in material and workmanship for a period of one year from date of purchase. If a defect is present, GeneDireX, Inc. will, at its option, repair, replace, or refund the purchase price of this product at no charge to you, provided it is returned during the warranty period. This warranty does not apply if the product has been damaged by accident, abuse, misuse or misapplication, or from ordinary wear and tear. This warranty shall be limited to the replacement of defective products. It is expressly agreed that this warranty will be in lieu of all warranties of fitness and in lieu of the warranty of merchantability.

Safety Notice

1. This instrument is designed and certified to meet safety standards. Certified products are safe to use when operated in accordance with the instruction manual. This instrument should not be modified or altered in any way. Inappropriate usage or alteration of this instrument will create potential safety hazards.
2. An intense blue light of pBLook™ LED transilluminator might cause a risk of macular degeneration; to protect your eyes, please keep the amber filter cover while operation.
3. Please notice the following warning labels for pBLook™ LED transilluminator and contact customer service for safety and responsible disposal information.

	Caution Risk of danger.
	Recycling electricals and batteries Do not dispose of electronic waste in unsorted municipal waste. Please follow local municipal waste ordinances for proper disposal provision.
	Class 2 Led Product Led Radiation Do Not Stare Into Beam.