

Safety information

Safety symbols

The following symbols alert the user to important operational, maintenance, and/or warranty requirements, or possible hazards exposure.



Symbol indicates a general caution or warning that the user may be aware of. Including but not limited to possible chemical or hazardous optical radiation emitted from this product.



Symbol indicates a warning of potential exposure to hazardous voltage where contact may result in death or serious injury.

General product warning statement

CAUTION: Hazardous voltage Contact may cause death or serious injury

Caution should be exercised in the operation of this system as it can develop sufficient voltage and current to produce a lethal shock. To avoid any risk of injury, the system should only be operated by properly trained personnel and always in accordance with the instructions provided.

Prior to turning on the DC power source, ensure that the black lead is connected to the negative terminal and the red lead is connected to the positive terminal. Do not touch the FlashGel® Dock or Cassette while the high voltage supply is turned on. Do not flood wells, add samples, or extract bands while the high voltage leads are connected to the power supply.

Failure to adhere to these instructions could result in personal and/or laboratory hazards, as well as invalidate any warranty. Always turn off the DC power source prior to removing cassettes from the dock. For maximum safety, always operate this system in an isolated, low traffic area not accessible to unauthorized personnel. Never operate damaged or broken equipment.



CAUTION: To avoid accidental exposure to high voltage, do not reverse electrodes in order to run samples backwards.

Precautions

The FlashGel® Dock utilizes the blue light transilluminator technology to view fragments. It is safe to view cassettes on the lighted dock without UV light protection. Turn on the light only after the cassette is in place. Do not stare directly into the light.



CAUTION: Use the FlashGel® Mask to block light from the second tier of wells when using double-tier or FlashGel® Recovery Cassettes.

Wear gloves, lab coat, and safety glasses when handling FlashGel® Cassettes.

The gel and buffer in FlashGel® Cassettes contain a proprietary nucleic acid gel stain that is a potential mutagen. The FlashGel® FLX Prestain Loading Buffers contain proprietary nucleic acid stains that are potential mutagens. Follow state and local guidelines for handling and disposal of these materials.

Operating conditions for the FlashGel® Dock

Maximum limits

- High voltage DC input
- RNA (P/N 57027, 57028) 0 to 225 V
- All other formats 0 to 300 V
- Overvoltage Category I
- 15 watts power
- 50 mA current
- Dock light: 18 VDC low voltage DC input

Environmental conditions

Operating conditions:

- Pollution degree 2
- Temperature: 15°C to 35°C
- Humidity: 15% to 85% relative humidity, non-condensing
- For indoor use only
- Altitude up to 2000 m

Storage and shipping conditions (FlashGel® Dock)

- Temperature: 2°C to 60°C
- Humidity: 15% to 85% relative humidity, non-condensing

Cleaning, maintenance and disposal

Cleaning procedure



CAUTION: To avoid accidental exposure to high voltage, do not clean dock while connected to the high voltage power supply.

Clean the FlashGel® Dock with a cloth moistened with water or mild detergent. Do not immerse!

Maintenance

Visually inspect the dock prior to use for signs of wear, cracks or damage. Do not use if damage is found.

There are no user serviceable parts contained in the FlashGel® Dock.

Disposal

The stains in the FlashGel® Cassettes and FlashGel® FLX Prestain Loading Buffers are potential mutagens. Follow state and local guidelines for disposal of these materials. FlashGel® FLX Cassettes do not contain stains.

Equipment ratings

Electrophoresis input (high voltage DC):	Voltage: 300 VDC Power: 15 W Current: 50 mA
Dock light input (low voltage DC):	Voltage: 18 VDC Current: 1.11 A
Dock light transformer input (line voltage AC):	Voltage: 100 – 240 VAC, 50 – 60 Hz Current: 0.5 A
Electrical connections:	High voltage (electrophoresis): shielded retractable banana plugs (male). Low voltage (light): 2.1 X 5.5 X 14 mm jack

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