

# DELUXE L-BLOCK SHIELD

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## INSTRUCTIONS FOR USE

042-413



# BIODEX




















Biomedex Medical Systems, Inc.

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# Definition of Symbols

The following symbols and their associated definitions are used and implied throughout this manual.

Symbol	Definition
	Carefully read these instructions prior to use
	Operating Instructions
	Caution
	General Warning
	General Mandatory Action
	Dangerous Voltage
	“On” Power
	“Off” Power
	Pinch Point
	Earth (ground)
	Alternating Current
	Fuse
	USB Connector/Cable
	Non-Ionizing Electromagnetic Radiation
	Waste in Electrical Equipment
	Disposal Classification and Identification of Equipment
	Date of Manufacture
	Manufactured By
	Type B Applied Part

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# Before Proceeding



The warnings, cautions and instructions provided in this manual must be read, followed and kept available for consultation at all times. Observing the information, instructions and procedures presented throughout this manual is essential for using this product both properly and safely.



**SPECIFIC CAUTIONS:**

- Allow only qualified, trained personnel to operate or service this product.
- If the equipment is used in a manner other than specified in this operation manual, the protection provided by the equipment may be impaired and results could be compromised.



**CAUTION:** Modifications to this product are only permitted by the manufacturer. Unauthorized modification of the product can result in hazards to the operator and patient, and will void the manufacturer's warranty. Do not modify this equipment without authorization from the manufacturer.

# Important Safety Information



**CAUTION:** Federal Law restricts this device to sale by or on the order of a physician, sonographer or other licensed professional.



Follow the unpacking instructions in this document.



Before using this equipment, read the entire operation manual carefully. Failure to read the manual may result in user error or injury. Be sure to save all provided documents for future reference.



This product should be used only as specified in the operation manual.



Make certain to understand all warning and caution labels as explained in the Before Proceeding section of this manual.

## Authorized European Community Representative:



Emergo Europe  
Prinsessegracht 20  
2514 AP, The Hague The Netherlands

### Contact Information



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# Introduction

## Intended Use

The Deluxe L-Block Shield is designed for shielding large quantities of high-energy radionuclides.

## Indications for Use

The shield is constructed of 2.4" thick lead encased in steel, and features a large 8" x 8" x 4" lead glass window. A convenient lever allows quick adjustment of window to optimal angle for any user and procedures. The optional Lead Brick Cave fits neatly into the sides of the vertical section to provide lateral shielding around the full perimeter of the L-Block's base. A special plate with a hex-shaped recess is mounted on the base to facilitate one-handed loading and unloading of dose pigs incorporating hex-shaped bottoms.

## Unpacking Instructions

1. Using a large wire cutter or shears, cut the metal bands that bind the shipping carton.
2. Lift the cardboard carton top section straight up until it completely clears the top of the Deluxe L-Block Shield. Discard the carton top.
3. Pull the wood frame toward the back of the viewing panel until it is free of the Deluxe L-Block Shield. Discard the wood frame.
4. Using the clawed end of a hammer, pry the wooden hold-down bar loose from the base of the shield.

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5. Lifting holes are provided on each side of the frame just below the viewing area. Insert either 3/8" shackles or a ½ inch steel bar through the holes and use a block and tackle to hoist the shield into the position where it will be used.



**CAUTION:** The shield weighs in excess of 550 pounds (250kg.) Ensure that a Biodex Steel Table is being used to support the shield or a table or location rated to withstand the weight. Using a lead cave adds substantially to the weight that the table or location must support. The combined L-Block Shield, drawing station, and lead brick cave weigh approximately 1,800 pounds (819 kg.)

## Operating the Cantilevered Viewing Panel

The cantilevered viewing panel is easily tilted for optimum viewing. To tilt the viewing area downward, pull up on the lever while pulling up on the top edge of the viewing panel. To lift the viewing area upward, push down on the lever while pulling up on the top edge of the viewing panel.

## Maintenance

### Cleaning

The Deluxe L-Block Shield is virtually maintenance free. To clean, wipe down the barrier, including the lead glass window, with a mild soap and water as needed. Periodically check all visible screws to ensure tightness.

**NOTE:** Do not clean the lead glass with Radiacwash or other decontaminating solutions as fogging of the lead glass may occur.

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## Disposal

An appropriate waste disposal company is to be contacted (i.e., the local collection point for waste separation). Properly dispose of the device at the end of its service life:

- The device packaging is disposed of through resource recycling.
- The metal parts of the machine go to scrap metal disposal.
- Plastic parts are disposed of as hazardous waste.

***NOTE:** The disposal of equipment must be in accordance with the respective national regulations. Wear parts are considered hazardous waste! After being replaced, wear parts must be disposed of according to country-specific waste laws.*

## Specifications

**Dimensions:** 20" w × 17.88" depth × 28.75" h (50.8 × 45.4 × 73 cm)

**Lead Shielding:** 2.4" thick (6 cm)

**Lead Glass Window:**

**Dimensions:** 8" w × 8" h × 4" thick (20.3 × 20.3 × 10.2 cm)

**Density:** 5.2 g/cm<sup>3</sup>

**Lead Equivalency:** 1.6" (4.1 cm) at 662KeV

**Finish:** Powder coat

**Weight:** 550 lb (250 kg)

**Shipping Weight:** 702 lb (318.4 kg)

## Available Options

042-407 Steel Table

042-417 Interlocking Lead Brick Cave

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