

COMPACT PET SHIPPING SYSTEM FOR VIAL PIG

OPERATION MANUAL

001-724
001-706



BIODEX

Biodex Medical Systems, Inc.

20 Ramsey Road, Shirley, New York, 11967-4704

Tel: 800-224-6339 (Int'l 631-924-9000),

Fax: 631-924-9338 Email: info@biodex.com, www.biodex.com

This manual contains operation procedures for the following:

001-724 Shipping System, PET Vial
001-706 Pig, Vial, PET, 1" Lead

SPECIFICATIONS:

001-706 Vial Pig

Dimensions:

Exterior: 6.63" h x 4.15" dia (16.8 x 10.5 cm)

Interior: 2.76" h x 1.51" dia (7 x 3.8 cm)

Lead Shielding:

Sides and Bottom: 1" thick (2.5 cm)

Top: 1.75" (4.4 cm)

Weight: 21.3 lb (9.7 kg)

001-724 PET Shipping System, Vial

Dimensions:

Container: 11.75" l x 11.75" w x 12.5" h

(29.8 x 29.8 x 31.8 cm)

Cubic Feet: ~1 cu ft (.03 cu meters)

Total Lead Shielding:

Top and bottom: 1.75"

Sides: Varies from 1.23" to 1.65"

Weight (Combined): 49.7 lb (22.6 kg)



Regulations:

- Meets DOT II Type A packaging requirements when shipping up to 1.5 Ci (55.5 GBq) of FDG F-18



- Meets IATA Dangerous Goods Regulations, 55th Edition Sections 5.0.4.3, 10.5, and 10.6.1 thru 10.6.3.5

Compliance reports for radioactive materials packaging are available by request or visit our website: www.biodex.com.

RELATED

001-707 Adapter, Vial Pig, 10 ml.

Allows 001-705 Vial Pig to accommodate 10 ml vials.

001-730 Cart, Transport, PET Shipping System

REPLACEMENT

001-771 Sheets, Absorbent, 100/pkg

001-726 Tags, Wire Security, 25/pkg

(Used to identify unauthorized access.)

***NOTE:** System requires Absorbent Sheet to meet required DOT and IATA standards.

Authorized European Community Representative:

Emergo Europe

Molenstraat 15

2513 BH, The Hague

The Netherlands



INTRODUCTION

The PET Compact Shipping System for Vial Pigs is designed to transport a 10 or 30 ml vial containing high energy radionuclides. The system features a minimum of 1.23" up to 1.65" of lead shielding to accommodate the concentrated volume and energy. It meets DOT Type A Yellow II packaging requirements when shipping up to 1.5 curies of FDG F-18. A unique feature of the system is a design that allows the outer shipping container to remain on the floor. The technologist only has to lift the vial pig containing the vial. The entire system weighs 49.7 lb. (22.6 kg)

DIRECTIONS FOR USE

(See Figure 1.)

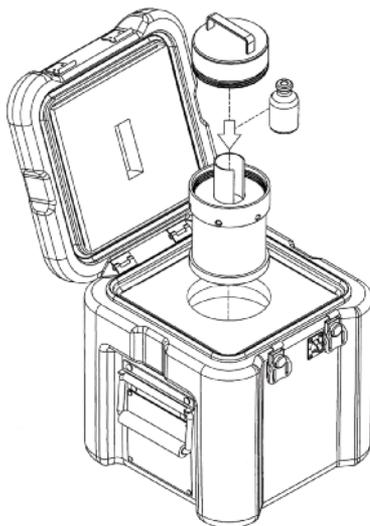


Figure 1.

1. Open the shipping case by releasing the two hasps on the front of the case and lifting the lid.
2. Place the PET Vial Pig behind the L-block. To remove the top, turn the top counterclockwise while holding the bottom in place (or use the hex-shaped plate with posts on selected Biodex L-Blocks).

NOTE: There are five holes in the bottom of the pig that fit onto the anti-rotation adapter posts to hold the pig in place while you unscrew the top with one hand. This setup ensures that you do not have to hold the hottest part of the pig while removing the top.

3. Place a piece of absorbent material into the vial pig so that it winds around the vertical edge.
4. Using a forceps, insert the vial into the PET Vial pig.

- Carefully replace the pig top, turning it clockwise to tighten. You must hand-tighten to seal. The O-ring flat gasket must be present as part of the seal.

NOTE: *Always securely tighten the pig top before placing the pig into the shipping case.*

- If the vial pig is behind an L-Block and not in your shipping case, place it into the case. Confirm that the top and bottom are tightly closed before inserting.

NOTE: *In order to comply with DOT and IATA shipping regulations, the absorbent material supplied must be inserted into the vial pig of your PET Shipping System as shown in Figure 1. This material ensures that, in the event of a leak, all leaked material will be contained and absorbed. To purchase additional material for your PET Shipping System, contact Biodex Medical Systems Sales Dept. at (631)924-9000 or 1-800-224-6339.*

- Close the shipping container. To lock, place each of the two hasps onto their respective bracket and turn the twist cams until tight.
- You must place a wire seal, or zip tie, through the hasp and stand-off to secure the container. If you receive the container with the seal broken, you will know that it has been opened or tampered with.
- If you have a PET transport cart, you can secure the shipping container to the cart for transport in a facility. Place the container so that the hasps face the side of the cart. This will allow the container to be opened without removing it from the cart, if desired. Place the bungee cord over the plastic container and secure. The hook and loop fastener can now be strapped around the container. You can stack more than one container on the cart by adjusting the straps to fit the number of containers.

CLEANING INSTRUCTIONS

As needed, cleanse the pig and container with a bleach solution. Rinse and dry each insert and container before storing.

BIODEX

Biodex Medical Systems, Inc.

20 Ramsey Road, Shirley, New York, 11967-4704

Tel: 800-224-6339 (Int'l 631-924-9000),

Fax: 631-924-9338 Email: info@biodex.com, www.biodex.com