

*"The Clinical Advantage"™*

# LUNG

## VENTILATION

Systems and Accessories

**Superior lung imaging.**  
**Xenon or Radioaerosol... your choice.**

Pulmonex® II Xenon System  
Xenon Trap Monitor  
Xenon Disposables  
Xenon Convenience Kits  
Xenon Dispenser

Venti-Scan™ IV Radioaerosol System  
Radioaerosol Convenience Kits  
AeroTech™ I Radioaerosol System

ISO 9001:2008  
ISO 13485:2003  
CERTIFIED

**BIODEX**  
[www.biodex.com](http://www.biodex.com)  
**1-800-224-6339**  
Int'l 631-924-9000

# PULMONEX® II Xenon System

- Resistance-free breathing with 25-liter capacity
- Complete .125" lead shielding in upper cabinet for patient and operator safety
- Easy access to replace Drierite and Soda-Lime cartridges
- Effortless mobility for easy patient positioning
- Stylish steel cabinet
- Convenient built-in stainless steel tray for holding disposables, xenon gun, syringe, etc.
- An assortment of **Xenon Disposables Samples** are included with every Pulmonex.

The Pulmonex® II Xenon System is the technologist's choice for the performance of all regional ventilation studies. It's safe, simple to operate and affordable.

## Resistance - Free Breathing

The injected bolus of xenon will reach the patient exactly when desired. Oxygen may be added to the system any time during the study with the press of a button. An in-line cartridge containing Soda-Lime absorbs CO<sub>2</sub>, preventing acidosis. Large breathing passages, two 10-liter breathing bags (air-in and air-out) and motor-assisted airflow combine to provide resistance-free breathing.

## Simple to Operate

All three steps of a Pulmonex II study (start up, equilibrium imaging and washout) are controlled by a single valve handle on the front panel. The valve directs the motor-assisted flow of gases throughout the system. A manually adjusted 15-minute timer initiates all functions, then automatically shuts down the system to complete the study after patient and system washout. With controls conveniently located on the front panel, the user can operate the system and observe the patient and gamma camera from one position. Panel controls are clearly marked for each mode of the procedure with large viewing windows to make it easy to monitor the patient's breathing. A trim, clean design, large handles and total mobility permit easy positioning of the system for studies in both seated and supine positions.



*Easy access to Soda-Lime and Drierite cartridges, supplied with the system. Xenon Convenience Kits, including pre-filled Soda-Lime and Drierite cartridges for single use only, are also available.*



*Convenient Fold-Down Tray*

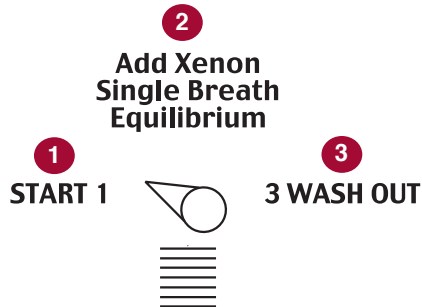
## Designed for Safety

Internal systems of the Pulmonex II are shielded for patient and operator safety. The system features two built-in gas traps that operate with a blower fan. Exhaled xenon is pulled through activated charcoal housed within two .125" lead shielded "U"-shaped traps. The double traps extend the life of your charcoal and provide a lengthy migration path for xenon effluent, allowing greater decay and absorption before exhaustion. A cartridge containing Drierite serves as a moisture absorber for air passing into the trap. The charcoal trap can then more effectively remove xenon effluent after each study. Airflow regulation of the trap blowers assures complete patient and system washout. Averaging 30-50 studies per month, the charcoal trap will last approximately one year; charcoal traps are easily replaced.

A disposable bacteriostatic filter, used in conjunction with a disposable mask or mouthpiece, prevents system contamination.

## EASY TO OPERATE 1-2-3

### Three Simple Performance Positions



All three steps of a Pulmonex II study (start up, equilibrium imaging and washout) are controlled by a single valve handle on the front panel. The valve directs the motor-assisted flow of gases throughout the system.

- 1 Position One: Start** – Patient breathes room air. System is charged with oxygen.
- 2 Position Two: Single breath and Equilibrium** – this is when you add Xe-133.
- 3 Position Three: Washout** – The patient is now breathing room air from a one-way valve through the delivery system and exhaling into the built-in charcoal trap. A manually adjusted 15-minute timer initiates all functions, then automatically shuts down the system to complete the study after patient and system washout.

With controls conveniently located on the front panel, the user can operate the system and observe the patient and gamma camera from one position. Panel controls are clearly marked for each mode of the procedure with large viewing windows to make it easy to monitor the patient's breathing. A trim, clean design, large handles and total mobility permit easy positioning of the system for studies in both seated and supine positions.

## Included with Pulmonex II Xenon System

139-101	Drierite	1 lb
130-019	Soda-Lime	1 lb
132-684	Xenon Convenience Kit with Face Mask (90° luer-lock injection port), Bacteria Filter and Ultra Flex Tubing	1 kit
132-692	Xenon Convenience Kit with Face Mask (direct dose injection site), Bacteria Filter and Ultra-Flex Tubing	1 kit
132-793	Xenon Convenience Kit with Face Mask (direct dose injection site), Bacteria Filter, Ultra Flex Tubing, Drierite & Soda-Lime Cartridges	1 kit
130-900	Free Breathing Hose Kit	1 kit

*The Pulmonex II Xenon System includes a sampling of disposables required to complete a xenon study. Disposables are packaged individually or in Xenon Convenience Kits. (The Xenon Kits include everything needed for a single study, including one with pre-measured CO<sub>2</sub> Soda-Lime absorber and Drierite cartridges.)*

## SPECIFICATIONS:

**Dimensions:** 20.5" w x 22" depth x 48.5" h (52.1 x 55.9 x 123.2 cm)  
**Motor:** UL approved. 12 volt DC  
**Electrical Requirements:** 115 VAC, 1 amp, 50/60 Hz  
**Casters:** locking  
**Shipping Weight:** 375 lb (172.5 kg)  
**Certifications:** ETL and cETL listed to UL 60601-1 to CAN/CSA C22.2 No. 601-1-M90, EN 60601-1.  
**Warranty:** one year parts and labor



**132-503** Xenon System, Pulmonex® II, Double-Trap, 115 VAC  
*Includes sampling of xenon disposables.*

## Related:

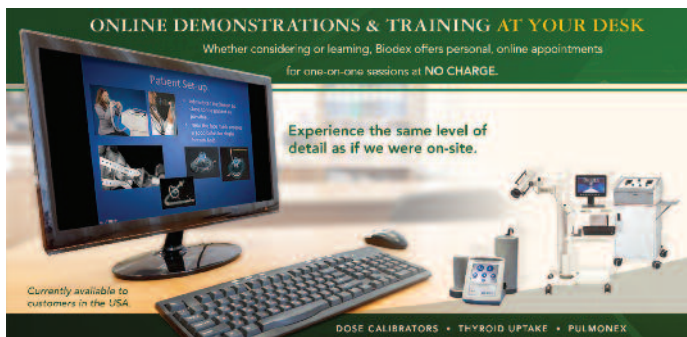
- 136-755** Xenon Trap Monitor
- 150-315** Dispenser, Xenon, Automatic  
*Includes: 48" Flexible Tubing with Luer-Lock Adapter*
- 130-900** Pulmonex Kit, Free Breathing Hose

## Replacement:

- 132-319** Charcoal Trap  
*For any Pulmonex II*
- 132-555** Cartridge, Refillable, Soda-Lime or Drierite

*50% discount on charcoal trap with blanket order commitment. \*\* Call for details.*

*\*\* Offer applies to the United States only.*



# PULMONEX® II ACCESSORIES

## Automatic Xenon Dispenser

*Assures quick, accurate and easy delivery of xenon directly to the patient*



The Automatic Xenon Dispenser attaches to the front of the Pulmonex System without tools. Simply load the xenon vial into the supplied plunger assembly, and at the precise moment you want the delivery of xenon, simply press the dispense button. Xenon is automatically delivered to the patient.

**150-315** Dispenser, Xenon, Automatic  
*Includes: 48" Flexible Tubing with Luer-Lock Adapter*

### PEER PERSPECTIVE

“I have managed nuclear medicine departments for approximately 20 years with various organizations. In that time, I've used a variety of ventilator systems with my favorite being the Biodex Pulmonex Xenon System we use here at Lancaster General Hospital.

In addition to being comfortable for our patients to use, this system offers the flexibility necessary to perform procedures on a variety of patients. I find the Pulmonex easy to use and extremely reliable. We use ours about three times each day and take its performance for granted. The shielding and filtering of gases is outstanding and the images produced are of the highest quality. Standing orders of supplies established through Biodex have even prevented our department from running out of necessary supply items. I would highly recommend the Pulmonex System to any department considering replacement of their current ventilation system or beginning to perform Xenon studies.”

*Donald S. Evans RT(N), BA, MHA  
Lancaster General Hospital  
Manager of Operations, Diagnostic Imaging*

## Xenon Trap Monitor

*Mounts directly to the Pulmonex® II Xenon System for continuous monitoring*



The Xenon Trap Monitor continuously monitors trap effluent during a xenon study, meeting compliance requirements in most states. An exhaust hose connects from the Pulmonex® II exhaust port to the Xenon Trap Monitor's intake port, making it the perfect complement to the Pulmonex® II Xenon System to ensure a safe environment.

The Xenon Trap Monitor is simple to operate; all controls are located on the front panel. Counting results are displayed with both audible and visual signals to indicate when the xenon trap exhaust port exceeds the threshold of 99 pCi/mL. The unit can also check background levels and perform a self-test for proper operation using a check source. A 10 µCi Cs-137 check source is required to calibrate the monitor.

The Xenon Trap Monitor includes all the hardware necessary to mount the unit directly to the Pulmonex II Xenon System.

### SPECIFICATIONS:

**Dimensions:** 7" l x 6" w x 4" h (17.8 x 15.2 x 10.2 cm)  
**Lead Shielding:** .5" thick (1.3 cm)  
**Input:** 22 mm Hose Adapter  
**Detector:** Halogen Quenched GM Tube, 1.1 cm dia, 2 mg/cm<sup>2</sup> mica window  
**Voltage:** 500 volts regulated  
**Buttons:** On/Off, Next/Mute  
**Display:** 4 Digit LED, 4 RGB Function LEDs (Self Test, Background, Check Source or Count)  
**Readings:** pCi/ml or counts  
**Speaker:** Internal, beeps in alarm mode  
**Background Count Time:** 1 minute  
**Power:** 18 volts, UL approved, external; 115 VAC power adapter  
**Weight:** 5.25 lb (11.55 kg)  
**Warranty:** One year

**136-755** Monitor, Xenon Trap  
*Mounts to Pulmonex® II Xenon Systems*

**Related:**  
**101-103** Check Source, Cs-137, 10 µCi  
*Uncalibrated, 1" dia x .25" thick (2.5 x 64 cm)*

# XENON DISPOSABLES

All of our xenon disposables were designed for use with the Pulmonex Xenon System. All components are available separately for you to select what you need for your facility.

The most popular disposable combinations have been packaged together as Xenon Convenience Kits™. Biodex Xenon Convenience Kits™ bring together all the components needed to complete a single xenon study. Xenon can be administered via direct dose administration, that conveniently luer locks without the use of a needle; or by injection port, which requires a syringe needle.

Easy to use, simple to order and disposable, Biodex Xenon Convenience Kits™ are more than a bargain, they are a sensible and time-saving investment. In fact, our complete kits can prolong the life of your xenon charcoal traps by ensuring that the pre-filled Drierite cartridges are fresh for every scan while the pre-filled Soda-Lime (CO<sub>2</sub> absorber) cartridges eliminate possible breakdown of granules that can lead to a clogged system and hinder patient air flow.

*Call Biodex for help in selecting the right kit for your department.*

## BLANKET ORDERS

*You may qualify to receive a 50% discount\*\* on a replacement Charcoal Trap for your Pulmonex just by placing a Blanket Order.*

- There is no binding contract. You can cancel at any time without penalty or change the quantities throughout the life of the blanket.
- You set the quantities and delivery intervals based on your department needs.
- A single purchase order establishes a tailored blanket for up to one year.
- A Blanket Order exempts you from price increases on blanketed items.
- Disposables are there when you need them. No more rush orders, expensive overnight shipping charges or equipment downtime.
- Maximize your storage space by using ours.

\*\* Offer applies to the United States only.

**It's easy...choose the individual components you need or select from among the most popular combinations – Biodex Xenon Convenience Kits™**



**CALL FOR FREE SAMPLES\*\* | 1-800-224-6339**

[www.biodex.com/lungventilation](http://www.biodex.com/lungventilation)

# XENON CONVENIENCE KITS

## Featuring

- Air-Cushioned Face Mask Kits with clear ultra-flex expandable tubing from 6" to 24"
- Mouthpiece Kits with Direct Dose Administration adapter for leak-proof Xenon delivery

## Xenon Convenience Kits™

AIR-CUSHIONED™ Face Mask



- 132-680** Convenience Kit, Face Mask ®\*  
*Includes: Bacteria filter*
- 132-681** Convenience Kit, Face Mask ®\*  
*Includes: Bacteria filter and ultra-flex tubing (shown)*
- 132-781** Convenience Kit, Face Mask ®\*  
*Includes: Bacteria filter, ultra-flex tubing, Drierite & Soda-Lime cartridges*

## Xenon Convenience Kits™

AIR-CUSHIONED™ Face Mask w/Injection Port



- 132-690** Convenience Kit, Face Mask with Injection Port ®\*  
*Includes: Bacteria filter (shown)*
- 132-691** Convenience Kit, Face Mask with Injection Port ®\*  
*Includes: Bacteria filter and ultra-flex tubing*
- 132-784** Convenience Kit, Face Mask with Injection Port ®\*  
*Includes: Bacteria filter, ultra-flex tubing, Drierite & Soda-Lime cartridges*

## Xenon Convenience Kits™

AIR-CUSHIONED™ Face Mask w/Direct Dose Administration



- 132-699** Convenience Kit, Face Mask with Direct Dose ®\*  
*Includes: Bacteria filter*
- 132-692** Convenience Kit, Face Mask with Direct Dose ®\*  
*Includes: Bacteria filter and ultra-flex tubing*
- 132-793** Convenience Kit, Face Mask with Direct Dose ®\*  
*Includes: Bacteria filter, ultra-flex tubing, Drierite & Soda-Lime cartridges (shown)*

® DENOTES SINGLE USE ONLY

\* NOTE: SOLD IN CASES OF 25.

\*\* Offer applies to the United States only.

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*Face Mask or Mouthpiece Kits - your choice, your convenience.*

## **Xenon Convenience Kits™**

*w/Mouthpiece and Direct Dose Administration Adapter*



*No needle necessary*

- 132-770** Convenience Kit, Mouthpiece®\*  
*Includes: Bacteria filter and nose clip*
- 132-774** Convenience Kit, Mouthpiece and Administration Adapter®\*  
*Includes: Bacteria filter, nose clip and ultra-flex tubing*
- 132-771** Convenience Kit, Mouthpiece and Administration Adapter®\*  
*Includes: Bacteria filter, nose clip, ultra-flex tubing, Drierite & Soda-Lime cartridges (shown)*

## **Xenon Convenience Kit™**

**AIR-CUSHIONED™ Face Mask**  
*w/Luer-Lock Injection Port*



- 132-684** Convenience Kit, Face Mask with Luer-Lock Injection Port®\*  
*Includes: Bacteria filter, ultra-flex tubing, and 90° luer-lock injection port*

## **Xenon Convenience Kit™**

**AIR-CUSHIONED™ Face Mask and Direct Dose Administration Adapter**



- 134-772** Convenience Kit, Face Mask and Administration Adapter®\*  
*Includes: Bacteria filter and ultra-flex tubing*

Find Out How  
to Qualify for a  
**50% DISCOUNT\*\***  
on a Charcoal Trap

[www.biodex.com/lungventilation](http://www.biodex.com/lungventilation)

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# XENON DISPOSABLES

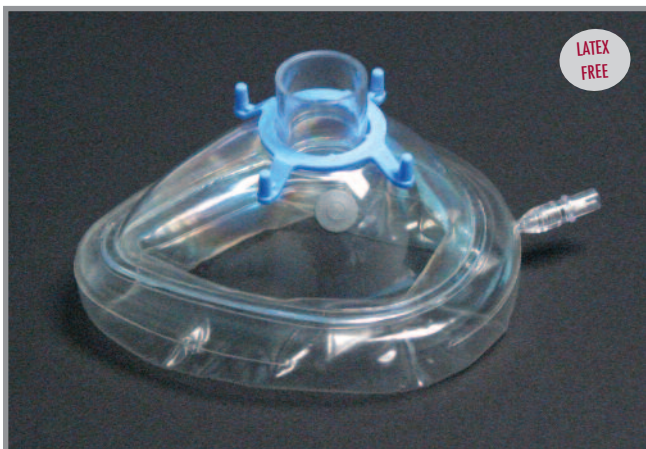
## AIR-CUSHIONED™ Face Mask



The air-cushioned face mask has a pre-filled air-cushion (medium inflation pressure) that molds to the contour of the patient's face providing a tight, leak-proof and comfortable seal. Cushion pressure is easily adjusted by inserting a standard syringe without needle in the two-way valve located on the mask bottom. The flexibility of cushion pressure allows optimum surface contact for every patient. Transparency of the entire mask allows continuous visual identification of patient's vital signs.

**132-685** Face Mask without Injection Port, Adult®\*

## AIR-CUSHIONED™ Face Mask with Injection Port



**132-695** Face Mask with Injection Port, Adult®\*

## AIR-CUSHIONED™ Face Mask with Direct Dose Administration



In addition to the patient comfort provided by the soft, pliable air cushion of the disposable face mask, the direct dose feature reduces patient anxiety because no needle is used. The syringe luer locks tightly to the direct dose tube, away from the patient's face. The one-way valve prevents the gas from reversing through the mask's luer connector, allowing the technologist to disconnect immediately after injecting.

**132-698** Face Mask with Direct Dose Administration, Adult®\*

® DENOTES SINGLE USE ONLY

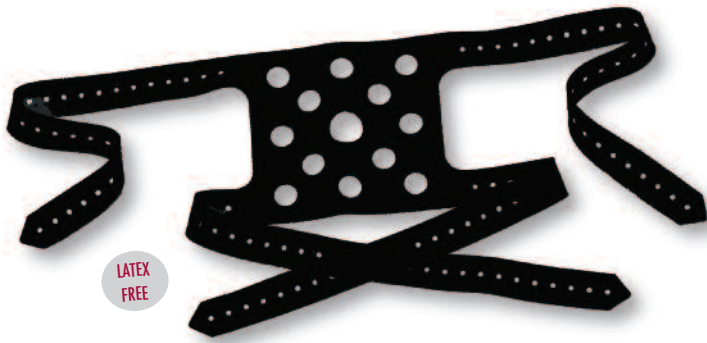
\* NOTE: SOLD IN CASES OF 25.

\*\* Offer applies to the United States only.

CALL FOR **FREE** SAMPLES\*\* | 1-800-224-6339

*Choose the components to assemble your own “kit”.*

## Face Mask Harness



This traditional face mask harness is made of soft rubber and can be adjusted for any head size. The square rubber base is comfortably positioned on the back of the patient's head and the harness tails are brought around to the front. The small holes fit snugly on the hook ring and hold the mask firmly in place.

**139-677** Face Mask Harness, Adult



## Tru-Fit Disposable Mouthpiece

Contoured to the natural shape of the mouth, this mouthpiece can be secured comfortably by the patient – eliminating the need to clamp down, or the possibility of “popping” out of the patient's mouth and interrupting the study. The soft plastic material is transparent so that any obstruction can be immediately detected by the technologist. Pleasantly scented with vanilla, this mouthpiece makes the procedure a little more comfortable for the patient.

**130-551** Mouthpiece, Disposable, Vanilla Scented®\*

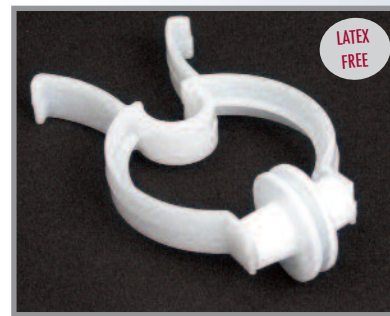


## Disposable Bacteria Filter

Bacteria filters are used to reduce the possibility of cross contamination. The single-use filter is placed in line between a delivery tube and disposable mouthpiece or face mask. Electrostatically charged filter media is 99.9% effective in bacteria/virus retention while maintaining low breathing resistance. Two filters can be piggy-backed together for potential high-risk studies

**132-750** Bacteria Filter®\*

## Disposable Nose Clip



Economical, this nose clip is all plastic for single patient use. Used with any mouthpiece.

**130-100** Nose Clip, Disposable, 100/pkg®

# XENON DISPOSABLES

## Drierite

### Moisture Absorber

Drierite serves as a moisture trap for the air going into the charcoal trap of the Pulmonex Xenon System. Drierite is blue and white when dry and turns pink when it has absorbed maximum moisture. Available in two convenient sizes, Drierite is packaged in an air-tight container with a wide-access mouth.



- 139-101** Drierite, 1 lb
- 139-104** Drierite, 4.5 lb
- 132-772** Drierite, Disposable Cartridge ②

## Soda-Lime

### CO<sub>2</sub> Absorber

Soda-Lime, a highly efficient CO<sub>2</sub> absorber, prevents patients from rebreathing carbon dioxide and subsequent acidosis. Available in two convenient sizes, Soda-Lime is packaged in an air-tight container with a wide access mouth.



- 130-019** Soda-Lime, 1 lb
- 130-020** Soda-Lime, 4.5 lb
- 132-773** Soda-Lime, Disposable Cartridge ②

## Tubing Splice



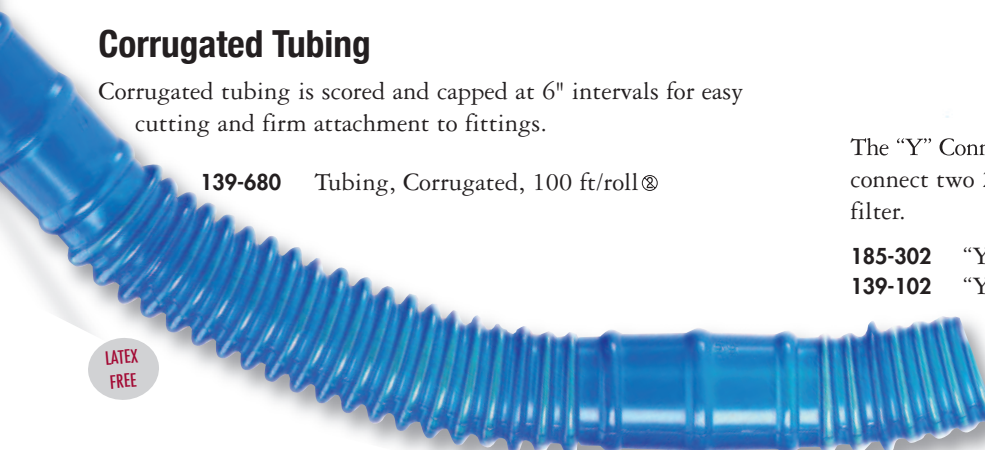
Tubing Splice is used to connect sections of 22 mm corrugated tubing to individual mask and filter.

- 130-639** Tubing Splice, 22mm Male, 10/pkg, ②

## Corrugated Tubing

Corrugated tubing is scored and capped at 6" intervals for easy cutting and firm attachment to fittings.

- 139-680** Tubing, Corrugated, 100 ft/roll ②



## "Y" Connector



The "Y" Connector has a one-way valve and plug. It is used to connect two 22 mm tubes to a mouthpiece, face mask or bacteria filter.

- 185-302** "Y" Connector, luer plug ②
- 139-102** "Y" Connector, solid plug ②

② DENOTES SINGLE USE ONLY

\* NOTE: SOLD IN CASES OF 25.

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## Free-Breathing Pulmonex® Hose Kit

*When unrestricted breathing is critical*



The Free-Breathing Pulmonex Hose Kit features large bore tubing, which allows for minimal breathing resistance. This inexpensive, high quality, “free breathing” hose kit includes all required components and adapters.

The kit contains two 130-901 “Clean-Bore” hoses (36" l x 1 1/8" dia), two 130-904 hose clamps, and a 130-902 non-rebreathing anesthesia valve (inlet and outlet 7/8" O.D.), which permits the use of standard disposable bacteria filters and masks while providing unrestricted airway.

**130-900** Pulmonex Kit, Free-Breathing Hose

### Replacement:

- 130-901** Hose, “Clean-Bore”  
36" l x 1.125" dia (91.4 x 2.9 cm)
- 130-902** Valve, Anesthesia  
Hans Rudolph, non-rebreathing
- 130-903** Adapter, Hose
- 130-904** Clamp, Hose

## Xenon-133 Rebreathing System

*Disposable pre-packaged complete kits*



*Shown with Air-Cushioned™ Face Mask with Direct Dose Administration*

The Xenon-133 Rebreathing System provides the clinician with a simple, safe and inexpensive method of administering Xenon-133 to perform perfusion steady state and wash out studies. A 35 liter bag provides ample volume for patient maintenance and collection of expired Xenon-133.

This disposable system is constructed of a non-permeable plastic, thereby precluding xenon absorption or transfer through the device's components. The system is designed to accept any xenon syringe/gun administration system.

Choose the mouthpiece (060-133) or the air cushioned™ face mask with direct dose administration (060-137). Each kit comes as a complete disposable system including a pre-filled Soda-Lime absorber cartridge.

Xenon is administered directly to the patient for single breath and equilibrium imaging. Washout is accomplished by opening a valve, allowing room air into the intake side. Upon completion of the study, seal the system with an appropriate clamp or forceps (not included). The entire rebreathing system is disposed of in accordance with NRC regulations.

**060-133** Xenon-133 Rebreathing System, Mouthpiece ©  
*Kit includes: Mouthpiece (130-551)*

**060-137** Xenon-133 Rebreathing System, Adult ©  
*Kit includes: Air-Cushioned™ Face Mask with Direct Dose Administration (132-698)*

**060-139** Xenon-133 Rebreathing System, Ventilator Patients ©  
*Kit includes: Ventilator-assist pump and endotracheal tube connection*

# VENTI-SCAN™ IV

- System design reduces setup time:
  - kit automatically locks into position
  - one step oxygen connection to dedicated external port
  - precise injection port alignment
  - push button disposal of used kit
- Fully enclosed lead shielding from top to bottom
- Uses HEPA filter for increased trapping efficiency and resistance-free breathing
- Trapping efficiency greater than 99.9%
- Small baffle design ensures homogeneous distribution
- Mean particle size = 0.50 microns
- Lightweight and portable, weighs only 8 lb (3.7 kg)

## Sharp, Clear Images - Easy Breathing

The Venti-Scan™ IV Radioaerosol Delivery System features a small baffle within the nebulizer to produce an optimal particle size, resulting in a sharp image, quickly. In addition, the kit includes a pleated hydrophilic HEPA filter which traps moisture. This makes it ideal for radioaerosol studies by impeding the exhaled radioaerosol particles. Tried and tested, the pleated contour increases surface area to decrease breathing resistance, making it virtually resistance-free with exceptional trapping efficiency.

## Designed For Efficiency



*Venti-Scan™ IV mounted on IV Pole*

The Venti-Scan IV is designed to make performing a study more convenient for the technologist while providing superior images. When the kit is inserted into the Venti-Scan IV canister it automatically locks securely into position, assuring all port alignments. Oxygen connection is a simple attachment to a dedicated external port. The injection site on the kit is precisely angled to align with the canister port. They are positioned perfectly for a bull's eye every time. The system also offers a quick, safe disposal method. Unplug

the oxygen hose, invert the canister over a shielded waste container and push the release button to free the contaminated kit. This minimizes handling and exposure.



## Full Technologist Protection

The Venti-Scan IV shield is an enclosure providing lead-shielded protection from top to bottom. The Venti-Scan IV Disposable Kit includes everything needed for a single study including a comfortable, natural contour mouthpiece, HEPA filter, nose clip and disposal bag. The system uses clean-bore straight path tubing (superior to corrugated) to ensure that particles cannot get trapped in any internal ridges that typically cause clumping. The top of the canister has a shielded sliding port to accommodate the Venti-Pak Accessory Kit for ventilator-assisted patients. An IV pole mount is included with the shield for convenient positioning and administration.

Patients and technologists have always been comfortable and confident with the Venti-Scan. And, when the patient is comfortable, the procedure goes smoothly, without interruption. The end result is a superior study.

Ⓢ DENOTES SINGLE USE ONLY

\* NOTE: SOLD IN CASES OF 25.

\*\* Offer applies to the United States only.

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### SIMPLE STEPS TO PERFORM A STUDY



1 Insert Venti-Scan™ IV Kit in canister

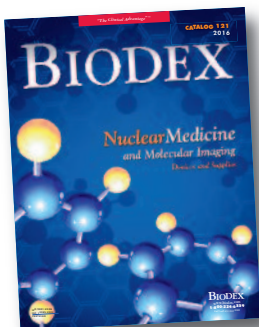


2 Inject Tc-99m DTPA



3 Connect to O<sub>2</sub> supply; position patient comfortably for resistance-free breathing

### Biodex Catalog for Nuclear Medicine and Molecular Imaging Devices and Supplies

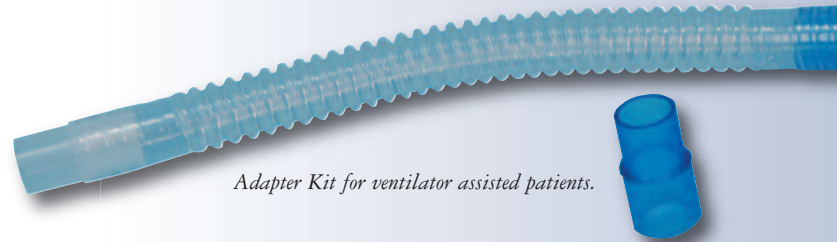


Biodex Nuclear Medicine Devices and Supplies are the industry standard for essential accessories, instrumentation, shielding and storage. Now offered in a convenient online format, the digital version of the catalog provides immediate access and allows you to file or share selected electronic product pages with peers, supervisors or to accompany an internal purchase request.

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Complete the form using the link above or call a Biodex sales representative.

[www.biodex.com/lungventilation](http://www.biodex.com/lungventilation)



Adapter Kit for ventilator assisted patients.

### FREE\*\* 30-Day Trial Evaluation

When you purchase your first 75 Kits - keep the canister...  
Compliments of Biodex. (Value \$535)

### BUDGETED SAVINGS

A recent cost comparison of departments averaging 20 studies per month resulted in an **annual savings between \$2,000 and \$5,000**. Venti-Scan disposables are already the most inexpensive kits available and can also be time-effective by establishing a blanket offer.

### ONE PHONE CALL...ONE P.O.#...ONE YEAR...

Custom tailored to your department's volume, a blanket order assures you that the disposables are there at the same time each month - when you need them.

#### Venti-Scan™ IV Radioaerosol Administration System:

177-090 Venti-Scan™ IV

Includes: Shielded canister with IV pole mount

#### Radioaerosol Convenience Kits™

177-091 Convenience Kit, Radioaerosol, for Venti-Scan IV®\*

LATEX  
FREE

Includes: 12" (30.5 cm) tubing, small particle delivery system with mouthpiece, HEPA filter, nose clip and disposal bag

177-092 Convenience Kit, Radioaerosol, for Venti-Scan IV®\*

LATEX  
FREE

Includes: 24" (61 cm) tubing, small particle delivery system with mouthpiece, HEPA filter, nose clip and disposal bag

#### Related:

177-075

Convenience Kit, Venti-Pak for Venti-Scan IV (adapter kit for ventilator assisted patients)®\*



To order, call Biodex toll free...

**1-800-224-6339**

Int'l 631-924-9000 • [www.biodex.com](http://www.biodex.com)

# AEROTECH™ I RADIOAEROSOL SYSTEM

## *The original Cadema Radioaerosol System*

- Enhanced Imaging
- Multiple views from one diagnostic study
- Completely portable and respirator compatible
- Completely Shielded

Aerosol inhalation for radioimaging studies is an important tool for use in the localization and diagnosis of lung disease. AeroTech™ I puts information in the hands of the user to assist in diagnosis of a variety of lung diseases.

### Enhanced Imaging

The AeroTech I delivers an even distribution of radioaerosol throughout the lungs, reaching the respiratory bronchioles and alveolar ducts and sacs. Excellent aerosol deposition allows the acquisition of multiple views from each diagnostic study. The end result is high quality imaging for confidence in patient diagnosis.

### Respirator Compatible

For patients on a respirator, AeroTech I is easily adapted to fit on line using a single accessory tube.

### Designed for Patient Comfort

Aerosol inhalation studies allow the patient to breathe normally throughout the procedure, minimizing the likelihood of patient non-compliance.

### Superior Safety

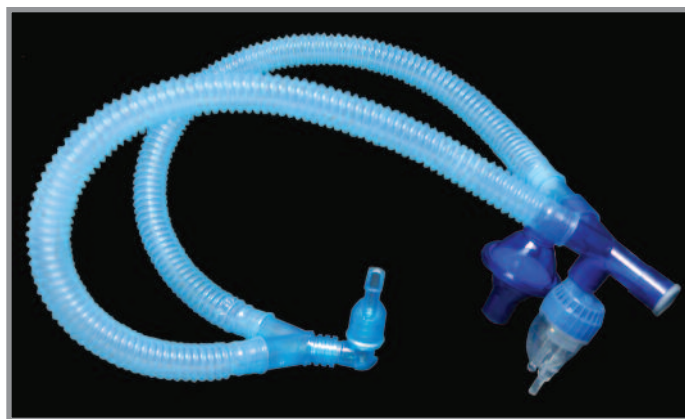
Shield construction, disposable components and rapid aerosol delivery time combine to minimize radiation exposure to the patient and technologist. AeroTech I helps meet ALARA radiation protection objectives.



*Shown with kit# 177-124*

### Flexibility

AeroTech I is available with a choice of designs. The 177-324 Delivery System generates a smaller MMAD particle than the standard 177-124 Delivery System. Use the 177-324 model for procedures where delivery time is not significantly restricted.



### 177-095 AeroTech™ I Shield

#### Radioaerosol Convenience Kits™

**177-124** Convenience Kit, Radioaerosol, AeroTech™ I®\*  
*Includes 24" (61cm) Tubing, Standard Nebulizer Delivery System with Mouthpiece, Bacteria Filter, Nose Clip and Disposal Bag*

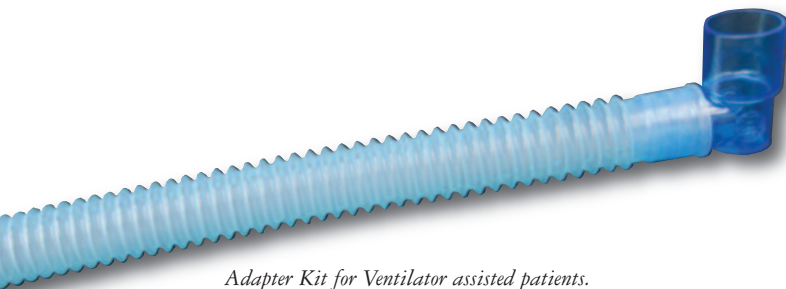
LATEX  
FREE

**177-324** Convenience Kit, Radioaerosol, AeroTech™ I with small particle delivery system®\*  
*Includes 24" (61 cm) Tubing, Small Particle Nebulizer Delivery System with Mouthpiece, Bacteria Filter, Nose Clip and Disposal Bag*

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#### Related:

**177-325** Convenience Kits, Venti-Pak for AeroTech™ I (adapter kit for ventilator assisted patients) 5/pkg®



*Adapter Kit for Ventilator assisted patients.*

® DENOTES SINGLE USE ONLY

\* NOTE: SOLD IN CASES OF 25.

# Welcome to the Biodex Cleanroom



Sometimes, it's not just what goes into a product that makes it great. It's also what stays out. That's why the Biodex Cleanroom, dedicated to assembly of our lung ventilation kits, is maintained at the highest standards.

The Biodex Cleanroom uses a system where conditioned and filtered air is forced downward by ceiling diffusers and exhausted at floor level. This allows achievement of three to five pounds of pressure, limiting the number of airborne particulate on products being assembled. Atmospheric conditions including temperature, humidity and airborne particles within a specific area, are monitored and charted daily to ensure no variation. Classified as an ISO 07 - Class 10,000 Cleanroom, as defined by Federal Standard 209E, this is an exceptionally clean environment.

"We take a lot of pride in keeping our Cleanroom operating at peak efficiency," explains the Consumer Assembly Supervisor at Biodex. "Every employee that enters this room adheres to strict guidelines and is required to wear cleanroom garments to protect the product and minimize the particulate in the environment. They are trained in appropriate operating procedures from putting on a hair net, frock, gloves and face mask, to proper assembly of each individual product. Nothing is left to chance."

As for having to "suit up" when entering and leaving the cleanroom on each shift, as well as being in an area where interaction with other Biodex personnel is somewhat limited, the staff really doesn't mind.

**IT'S A VERY CLEAN JOB,  
BUT SOMEBODY HAS TO DO IT.**

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