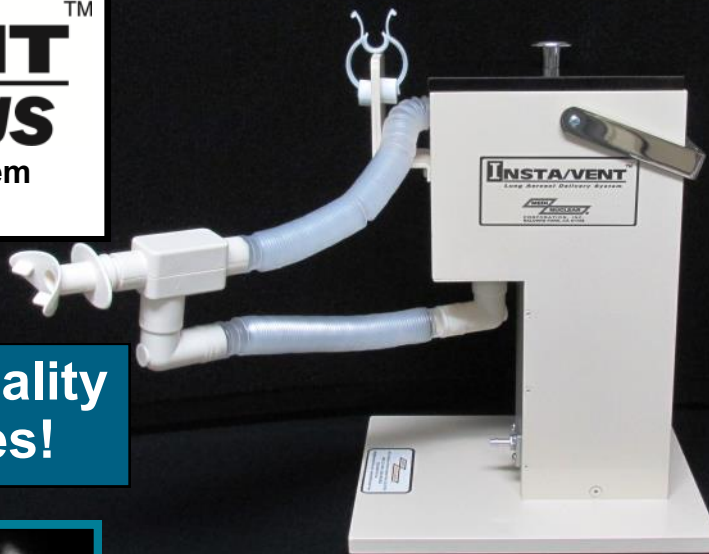
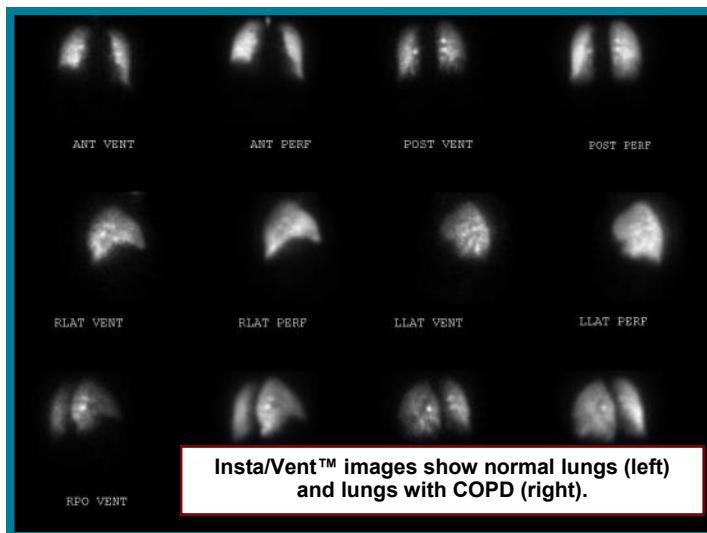
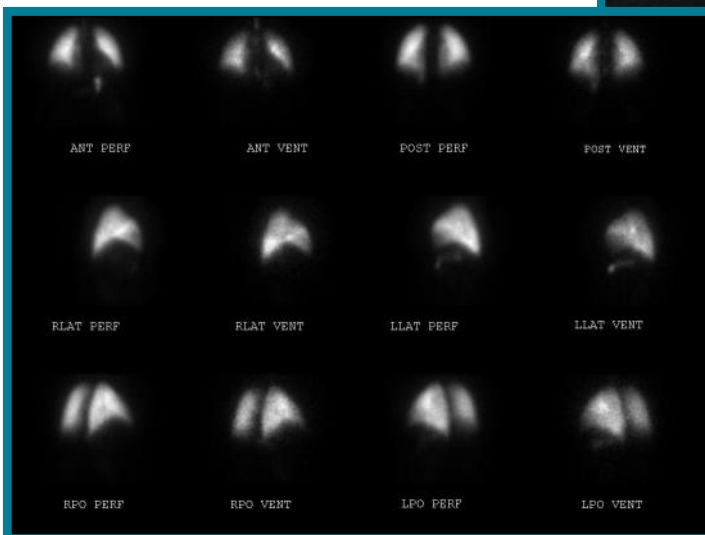


INSTA/VENT™ PLUS

Radioaerosol Lung Imaging System
Model IV-600 Series



Unsurpassed image quality
in less than 2 minutes!



PRODUCT OVERVIEW

Medi/Nuclear® has met the challenge to produce a maximum amount of particles under 1 micron, with 40.8% being less than 0.2 microns. These particles start small so they're able to travel deep into the lungs, thereby avoiding central airway deposition and hot spots. The result is superior lung penetration and sharp, clear images of unsurpassed quality.

Initially developed to assist shallow breathers, the Insta/Vent™ Plus benefits all patients. The use of a conserving reservoir, air flow control mechanism and unidirectional air flow allow each breath to be fully medicated for faster dosing, while maintaining the size of small particles until inhalation for alveolar delivery. Additionally, SPECT may be performed using various radiotracers, and special kits are available for use with ventilator dependent patients.

To minimize the risk of contamination from possible infectious disease, the Insta/Vent™ Plus requires normal tidal breathing, rather than deep breathing or breath holding, to reduce or avoid coughing. Additionally, patient circuits may be ordered with an air cushioned face mask to securely seal the nose and mouth. When used with a face mask, all coughs and patient exhalation will go through the lower tube of the patient circuit and into the HEPA filter, which is fully contained inside the shield.

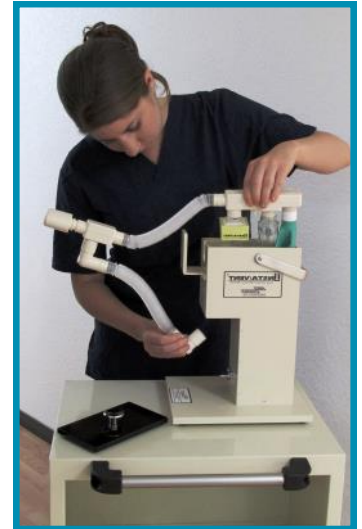
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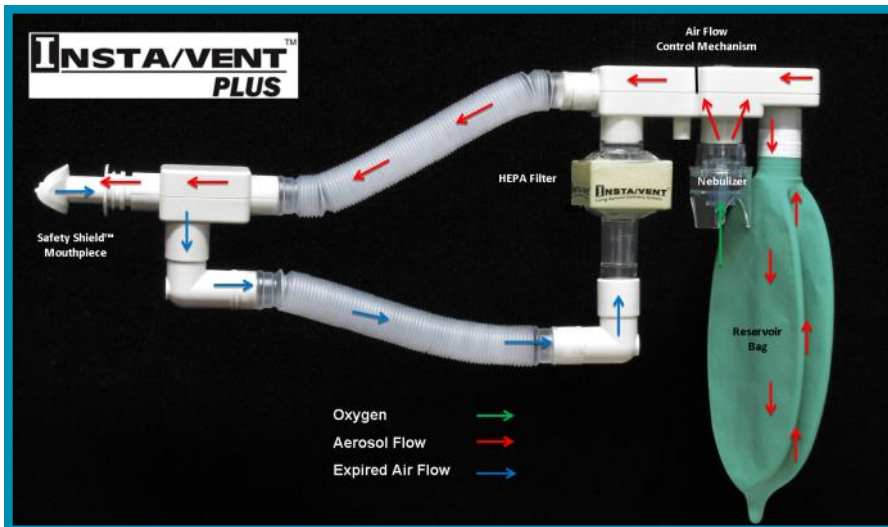
Medi/Nuclear® Corporation
800.321.5981 / 626.960.9822 / 626.960.8700 Fax
info@medinuclear.com
4610 Littlejohn Street, Baldwin Park, CA 91706

INSTA/VENT™ PLUS FEATURES AND BENEFITS

- ◆ Full patient dosing in less than 2 minutes.
- ◆ Excellent 100k-150k count image in just 1 minute.
- ◆ Conserving reservoir and air flow control mechanism save medication so it can rapidly be delivered during inhalation.
- ◆ Unidirectional air flow allows each breath to be fully medicated, virtually eliminates breathing resistance to support shallow breathers and maintains fine particle size until inhalation for deeper lung penetration.
- ◆ Mean particle size of 0.28 μ m allows alveolar delivery for sharp, clear images.
- ◆ SPECT imaging may be performed using various radiotracers.
- ◆ HEPA filter with 99.9% trapping efficiency is fully contained inside shield.
- ◆ Expandable 6 in. to 24 in. flexi-tube for easy patient positioning upright or supine.
- ◆ Radioaerosol kits come complete with choice of scuba-style Safety Shield™ Mouthpiece, or air-cushioned face mask.
- ◆ Special kits available for ventilator dependent patients in a small case quantity.
- ◆ Easy set-up and operation.
- ◆ Activity required: 40 mCi in a minimum of 2 mL.



INSTA/VENT™ PLUS AIRFLOW DIAGRAM



- ◆ As a patient inhales, medication from the nebulizer moves through the top tube, and into the mouthpiece.
- ◆ When the patient exhales an internal airflow control mechanism closes and exhalation is directed through the bottom tube and into a HEPA filter.
- ◆ During exhalation, air continues to flow through the nebulizer into a breathing bag, which acts as a reservoir to store aerosol that would normally be wasted during exhalation.
- ◆ When the next breath is taken, the patient immediately inhales the medication that has filled the top tube and also the medication from the breathing bag.

SPECIAL KITS FOR VENTILATOR DEPENDENT PATIENTS

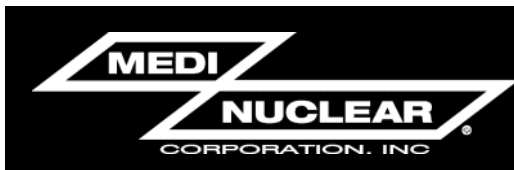
#IV-600V

Special radioaerosol lung imaging kits for patients on ventilators fit all standard 15mm endotracheal and tracheotomy tubes. Kits come complete in a small case quantity of just 6 each and are used with the standard Insta/Vent™ lead shield.



Insta/Vent™ Kit for Ventilator Dependent Patients #IV-600V

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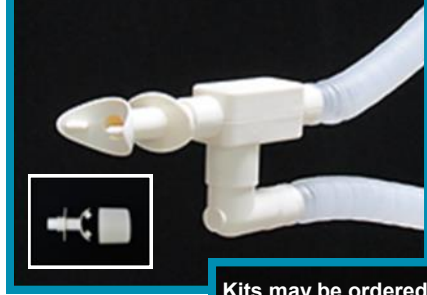


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INSTA/VENT™ KIT SPECIFICATIONS

Nebulizer:	Medi/Nuclear NEB-3A+ Jet Nebulizer
Nebulization Rate:	0.185 mL/min
Standard Flow Rate:	10 L/min
Max. Reservoir Volume:	6 mL
Working Reservoir Volume:	2 mL
MMAD:	0.28 micron
Particle Size Distribution:	<0.2µM 40.8%
	0.2µM to 1.0µM 57.1%
	1.0µM to 5.0µM 2.1%
	>5.0µM 0
Filter:	HEPA with 99.9% efficiency
Breathing Bag:	Latex free.
Tubing (Insta/Vent™ Plus):	Two tubes, expanding from 6 to 24 inches, for unidirectional air flow.

Safety Shield™ Mouthpiece comes standard with Insta/Vent™ .



Kits may be ordered with Air-Cushioned Facemask.



INSTA/VENT™ LEAD SHIELD #IV-601A

OVERVIEW

The Insta/Vent™ lead shield may be used with the single tube Insta/Vent™ kit, the two tube Insta/Vent™ Plus kit, or the special kit for ventilator dependent patients.

FEATURES

- ◆ Full lead lining at or above recommended levels.
- ◆ Lead cylinder inside shields adds extra protection around nebulizer.
- ◆ Barbed oxygen hose connection for secure fit.
- ◆ Internal pressure port for convenient kit installation.
- ◆ Powder coated exterior for ease of cleaning.
- ◆ Handle for ease of carrying.
- ◆ Rubber feet protect surfaces.



SPECIFICATIONS

Material:	Aluminum with Powder Coating
Weight:	21 lbs.
Dimensions:	10 1/8 in. L x 8 in. W x 13 in. H
Lead Lining:	1/16 in. interior sides. 1/8 in. under lid. 1/8 in. internal cylinder. Lead lined nose piece.

SPECIAL OFFER FREE TRIAL!

A free trial of the Insta/Vent™, Insta/Vent™ Plus or special kit for ventilator dependent patients is available at no charge. Provided will be a lead shield and a sufficient number of kits to perform a responsible trial and product comparison.

Model No.	ORDERING INFORMATION	Qty
IV-600	InstaVent™ Kit, with Single Tube, HEPA Filter and scuba style Safety Shield™ Mouthpiece	24/cs
IV-600M	Insta/Vent™ Kit with Single Tube, HEPA Filter and Air-Cushioned Mask	24/cs
IV-600V	InstaVent™ Kit for Ventilator Dependent Patients	6/cs
IV-600P	Insta/Vent™ Plus Kit with Two Tubes, HEPA Filter and scuba style Safety Shield™ Mouthpiece	24/cs
IV-600PM	Insta/Vent™ Plus Kit with Two Tubes, HEPA Filter and Air-Cushioned Mask	24/cs
IV-601A	Insta/Vent™ Lead Shield	Each

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INSTA/VENT™ PLUS: ENHANCED ADHERENCE TO ALARA AND AUC*

*ALARA: As Low As Reasonably Achievable
AUC: Appropriate Use Criteria

Improvement in Patient Care

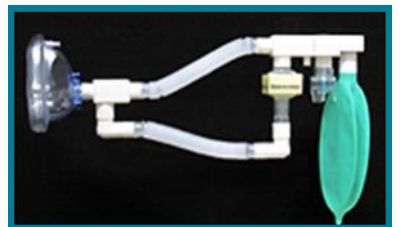
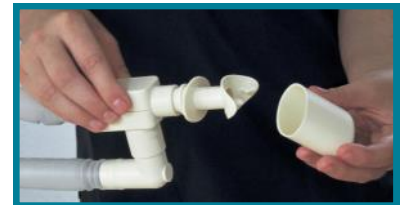
- ◆ Conserving Reservoir and Air Flow Control Mechanism provides dosing in less than 2 minutes for improved patient compliance.
- ◆ Unidirectional airflow maintains fine particle size until inhalation, allows each breath to be fully medicated, and minimizes breathing resistance, thereby supporting shallow breathers.
- ◆ Insta/Vent™ Plus may be used for SPECT imaging.
- ◆ Normal tidal breathing, as opposed to deep breathing or breath holding, reduces the possibility of hot spots, central airway deposition and coughing.
- ◆ Fine particles (.28µM) are delivered quickly and provide superior lung deposition for clear, sharp images.
- ◆ Scuba-style Safety Shield™ Mouthpiece reduces mouthpiece slippage and possible leakage from the corners of the mouth. The snap on cap is used to collect saliva during removal, for a quick and safer disposal.
- ◆ Complete kits with air-cushioned face mask are available for patients unable to use a mouthpiece and/or nose clip.

Improvement in Radiation Safety

- ◆ Faster dosing minimizes time for possible exposure.
- ◆ Lead shield is completely lead lined at or above recommended levels.
- ◆ Lead cylinder inside shield surrounds nebulizer for extra protection.
- ◆ External lead lined nose piece provides protection at mouthport opening.
- ◆ Completely closed system reduces the chance of escape by contaminated aerosols.
- ◆ Scuba-style Safety Shield™ Mouthpiece reduces possible leakage from the corners of the mouth. The snap on cap is used to collect saliva during removal for safer disposal.
- ◆ HEPA filter provides greater than 99.9% trapping efficiency. HEPA filter is contained inside the shield with no ports open to the environment.

Other Benefits

- ◆ Insta/Vent™ Plus is quick and easy to use, thereby saving valuable tech time.
- ◆ Special kits for ventilator dependent patients are available. Kits come complete, use the standard lead shield without adaptation, and come in a small case of just 6 each.
- ◆ Insta/Vent™ Plus may be used with DTPA, PYP, Sulphur Colloid, etc. to accommodate pricing and imaging needs.
- ◆ Secure-Fit Oxygen Tubing provides optimal oxygen flow for more consistent results.
- ◆ Complete kits may be ordered with Safety Shield™ Mouthpiece or Air-Cushioned Face Mask.
- ◆ Radioaerosol kits may be ordered individually or by the case.
- ◆ Insta/Vent™ Plus is cleared by the FDA (United States Food and Drug Administration) and produced in an ISO certified facility.



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