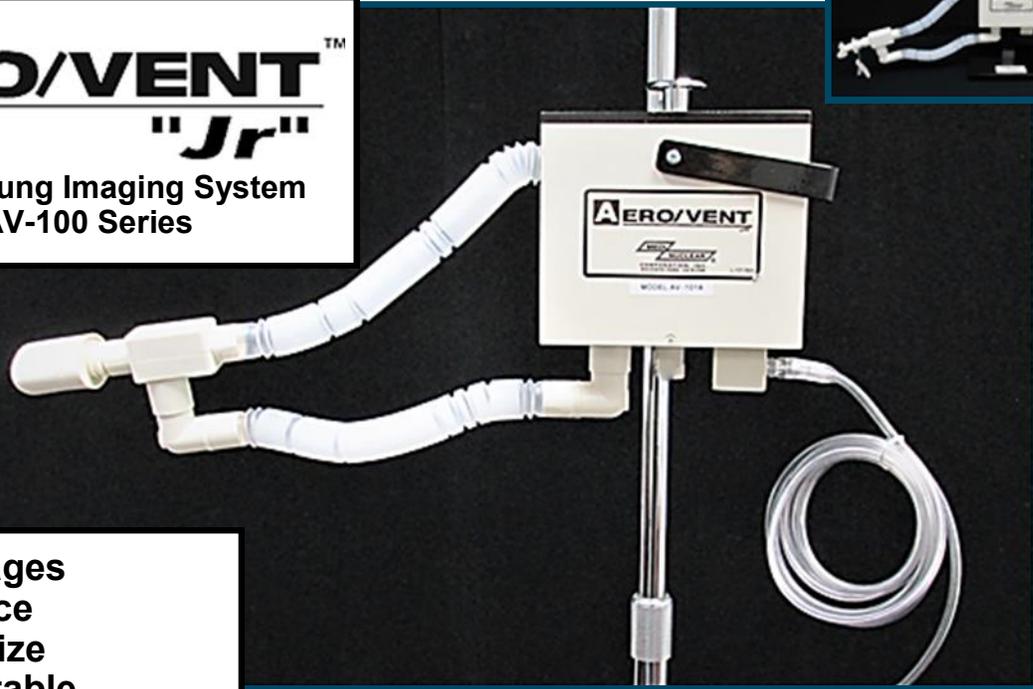


AERO/VENT™ "Jr"

Radioaerosol Lung Imaging System
Model AV-100 Series



- ◆ Quality Images
- ◆ Convenience
- ◆ Compact Size
- ◆ Pole Mountable

BETTER DELIVERY = BETTER RESULTS

Medi/Nuclear's proprietary nebulizer produces ultrafine particles with MMAD of 0.28 μm , most of which are under 1 μm and 40.8% less than 0.2 μm . These ultrafine particles minimize the possibility of central deposition and travel deep into the lungs, resulting in superior alveolar delivery and sharp, clear images of unsurpassed quality with Planar and SPECT.

The Aero/Vent™ Jr. Radioaerosol Delivery System is a compact, unidirectional system that combines quality with convenience. It allows you to work safely where you want and how you want. The lead shield may be pole mounted or used on a table top. Administration kits come with a choice of straight mouthpiece, air cushioned face mask or scuba style Safety Shield™ Mouthpiece. Special kits for ventilator dependent patients are also available.

As a closed-circuit system, Aero/Vent™ Jr. provides safer aerosol delivery. Tidal breathing minimizes the risk from patient coughs. Face masks allow coughs to be directed into a proprietary HEPA filter with >99.97% trapping efficiency. Kits are fully disposable and the shield easily cleaned between patients.

FEATURES AND BENEFITS

- ◆ Full patient dosing in less than 3 minutes.
- ◆ Excellent 100k-150k count image in just 1 minute.
- ◆ Use with SPECT to improve diagnostic quality.
- ◆ Proprietary nebulizer produces ultrafine particles with MMAD of 0.28 μm : 97.9% being under 1 μm with 40.8% being less than 0.2 μm .
- ◆ Lead shield can be pole mounted or used on table top.
- ◆ Proprietary HEPA filter with >99.97% trapping efficiency.
- ◆ Expandable 6-24 inch flex-tube for easy patient positioning upright or supine.
- ◆ Choice of standard mouthpiece, scuba-style Safety Shield™ Mouthpiece or air-cushioned face mask.
- ◆ Unidirectional air flow maintains ultrafine particle size, allows each breath to be fully medicated and virtually eliminates breathing resistance to support shallow breathing patients.
- ◆ Special kits for ventilator patients fit standard 15mm endo-tracheal and tracheotomy tubes.
- ◆ Easy set-up and operation.
- ◆ Shield easily cleaned between patients.
- ◆ Activity required: 40 mCi in a minimum of 2 mL.
- ◆ FDA cleared and American made for quality assurance.

www.medinuclear.com

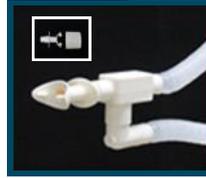


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AERO/VENT™ JR. KIT SPECIFICATIONS

Nebulizer:	Medi/Nuclear NEB-3A+ Jet Nebulizer	
Nebulization Rate:	0.16 mL/min	
Standard Flow Rate:	10 L/min	
Max. Reservoir Volume:	6 mL	
Working Reservoir Volume:	2 mL	
MMAD:	0.28 microns	
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:	Medi/Nuclear HEPA with 99.9% trapping efficiency	
Tubing:	Expandable from 6-24 inches	
Airflow:	Unidirectional	
Dosing:	2-3 minutes	
Counts:	100k-150k count image in 1 minute	
Activity Required:	40 mCi in a minimum of 2 mL	

#AV-100HS Kit with Safety Shield™ Mouthpiece

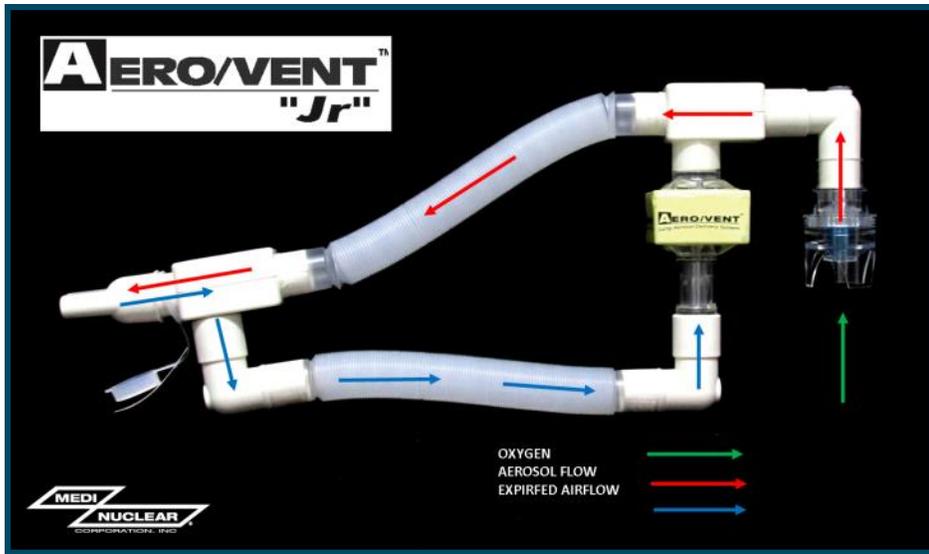


#AV-100HM Kit with Air-Cushioned Facemask



AERO/VENT™ JR. AIRFLOW DIAGRAM

- ◆ As a patient inhales, medication from the nebulizer moves through the top tube, and into the mouthpiece.
- ◆ When the patient exhales the exhalation is directed through the bottom tube and into a HEPA filter.
- ◆ During exhalation, air continues to flow through the nebulizer into the top tube.
- ◆ When the next breath is taken, the patient immediately inhales the medication that has filled the top tube.



SPECIAL KITS FOR VENTILATOR DEPENDENT PATIENTS

#AV-100HV

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 Aero/Vent™ Jr. lead shield.



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AERO/VENT™ JR. LEAD SHIELD

#AV-101A

OVERVIEW

The compact Aero/Vent™ Jr. Lead Shield may be pole mounted or used on a table top.

SPECIFICATIONS

Material: Aluminum with Powder Coating
 Weight: Pole Mounted Unit, 4 lbs.
 Pole Mounted Unit with Table Top Stand, 11 ½ lbs.
 Dimensions: 8 in. L x 6 ½ in. D x 10 3/16 in. H
 Lead Lining: 1/16 in. interior sides
 1/8 in. interior bottom with lead cylinder to protect nebulizer
 1/8 in. under lid

FEATURES

- ◆ Full lead lining at or above recommended levels, including oxygen inlet block.
- ◆ Internal lead cylinder adds extra protection around nebulizer.
- ◆ Pole mount or use on a table top.
- ◆ Rubber feet on table top stand protects surfaces.
- ◆ Removable table top stand for pole mounting.
- ◆ Internal pressure port for convenient kit installation.
- ◆ Powder coating for ease of cleaning.



Catalog No.	ORDERING INFORMATION	Qty
AV-100H	Aero/Vent™ Jr. Kit, with Two Tubes, HEPA Filter and Standard Mouthpiece	24/cs
AV-100HM	Aero/Vent™ Jr. Kit with Two Tubes, HEPA Filter and Air-Cushioned Mask	24/cs
AV-100HS	Aero/Vent™ Jr. Kit with Two Tubes, HEPA Filter and scuba style Safety Shield™ Mouthpiece	24/cs
AV-100HV	Aero/Vent™ Jr. Kit for Ventilator Dependent Patients	6/cs
AV-101A	Aero/Vent™ Jr. Lead Shield for Pole Mounted or Table Top Use	Each
IV-605	Oxygen Tubing with Secure Fit Connector	3/pk

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AERO/VENT™ JR.: ENHANCED ADHERENCE TO ALARA AND AUC*

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

Improvement in Patient Care

- ◆ Rapid dosing in just 2-3 minutes improves patient compliance.
- ◆ Unidirectional airflow maintains ultrafine particle size until inhalation, allows each breath to be fully medicated, and minimizes breathing resistance, thereby supporting shallow breathers.
- ◆ Use with SPECT for better diagnostic images.
- ◆ Normal tidal breathing, as opposed to deep breathing or breath holding, reduces the possibility of hot spots, central deposition and coughing.
- ◆ Proprietary nebulizer produces ultrafine particles (.28 µm) which 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 coughing patients or those unable to use a mouthpiece and/or nose clip.



Improvement in Radiation Safety

- ◆ Faster dosing minimizes time for possible exposure.
- ◆ Lead shield, including the oxygen inlet block, is completely lead lined at or above recommended levels.
- ◆ Lead cylinder inside shield surrounds nebulizer for extra protection.
- ◆ Closed circuit system reduces 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 a safer disposal.
- ◆ Proprietary HEPA filter provides >99.97% trapping efficiency and vents inside shield.



Other Benefits

- ◆ Shield may be easily cleaned/disinfected between patients.
- ◆ Shield may be pole mounted or used on a table top.
- ◆ Set-up is quick and dosing rapid, thereby saving valuable tech time.
- ◆ Special kits for ventilator dependent patients come in small case of just 6 each.
- ◆ Aero/Vent™ Jr. may be used with DTPA, PYP, MDP, MIBI, Sulphur Colloid, etc. to accommodate pricing fluctuations and imaging needs.
- ◆ Secure-Fit Oxygen Tubing provides optimal oxygen flow for more consistent results.
- ◆ Complete kits may be ordered with standard mouthpiece, Safety Shield™ Mouthpiece or air cushioned face mask.
- ◆ Aero/Vent™ Jr. is cleared by the United States Food and Drug Administration (FDA).
- ◆ For quality assurance, Aero/Vent™ Jr. is manufactured in an ISO certified facility in USA.



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