

AERO/VENT™ "Jr"

Radioaerosol Lung Imaging System
Model AV-100 Series



- ◆ Easy to Use
- ◆ Rapid Delivery
- ◆ Outstanding Images
- ◆ Convenient
- ◆ Cost Effective

PRODUCT OVERVIEW

The Aero/Vent™ Jr. Radioaerosol Lung Imaging System is an easy-to-use, two tube system that combines rapid delivery with convenience and clear images of unsurpassed quality. The nebulizer not only produces the small particles needed to obtain good peripheral penetration, but eliminates nearly all particles which contribute to unwanted tracheal deposits and "hot spots." In fact, over 97% of the particles produced by the Aero/Vent™ Jr. fall below 1 micron and 40.8% less than 0.2 microns.

With ample choices, the Aero/Vent™ Jr. 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. Radioaerosol kits come complete with a choice of straight mouthpiece, air-cushioned facemask or scuba style Safety Shield™ Mouthpiece. Special radioaerosol kits for ventilator dependent patients are also available.

FEATURES AND BENEFITS

- ◆ Full patient dosing in less than 3 minutes.
- ◆ Excellent 100k-150k count image in just 1 minute.
- ◆ Particle Size: 97.9% under 1 μ M with 40.8% being less than 0.2 μ M.
- ◆ Lead shield can be pole mounted or used on the table top.
- ◆ HEPA filter with 99.9% trapping efficiency is housed inside shield, with no ports open to the environment.
- ◆ Expandable 6 in. to 24 in. flex-tube for easy patient positioning upright or supine.
- ◆ Radioaerosol kits come with choice of standard mouthpiece, scuba-style Safety Shield™ Mouthpiece or air-cushioned face mask.
- ◆ Special kits available for ventilator dependent patients.
- ◆ Kits come complete and ready to use.
- ◆ Easy set-up and operation.
- ◆ Activity required: 40 mCi in a minimum of 2 mL.
- ◆ Kits may be purchased individually or by the case.

www.medinuclear.com



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

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 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
Tubing:	Two tubes, expanding from 6 to 24 inches, provide unidirectional airflow for rapid delivery, reduced breathing resistance and optimal particle size.

#AV-100H



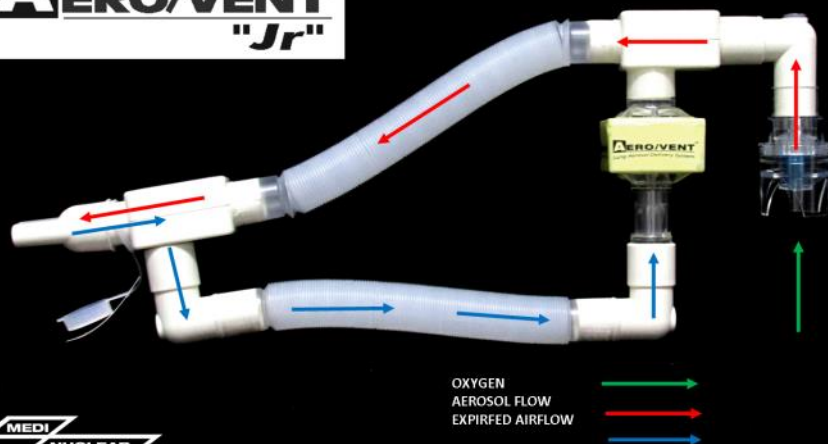
#AV-100HM Kit with Air-Cushioned Facemask



#AV-100HS Kit with Safety Shield™ Mouthpiece



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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

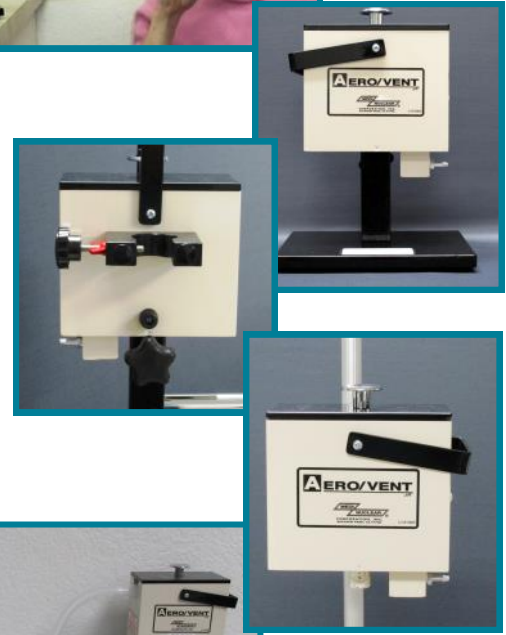
OVERVIEW

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.



FREE TRIAL!

A free, no obligation trial of Aero/Vent™ Jr. is available. Provided will be a lead shield suitable for table top use or pole mounting, and a sufficient number of kits to perform a responsible trial and product comparison. Kits for ventilator dependent patients are also available for a free trial.

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.
- ◆ Two tube kits allow unidirectional airflow which minimizes breathing resistance even for shallow breathers, shortens dosing time and maintains the optimal particle size.
- ◆ 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.
- ◆ Available 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 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.
- ◆ 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 a 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

- ◆ Aero/Vent™ Jr. may be pole mounted or used on a table top.
- ◆ Aero/Vent™ Jr. 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.
- ◆ Aero/Vent™ Jr. may be used with DTPA, PYP, 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.
- ◆ Radioaerosol kits may be ordered individually or by the case.
- ◆ Aero/Vent™ Jr. is cleared by the FDA (United States Food and Drug Administration) and produced in an ISO certified facility.



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