



## Comparison Chart: Radioaerosol Lung Imaging Systems

This chart is a general comparison of a few top-selling radioaerosol lung imaging systems. This information was acquired from the manufacturers' websites and other public sources.

	InstaVent™	AeroVent™ Jr.	Venti-Scan™ IV	AeroTech® I	Swirler®	UltraVent™
<b>Number of Tubes</b>	Two Tubes	Two Tubes	Single Tube	Two Tubes	Single Tube	Single Tube
<b>Patient Dosing Time</b>	1-1.5 Minutes	1.5-2.5 Minutes	5-6 Minutes	3-5 Minutes	3-5 Minutes	3-5 Minutes
<b>Activity for Pre-Perfusion Lung Ventilation Study</b>	20 mCi/mL in 2 mL	20 mCi/mL in 2 mL	30-40 mCi/mL In 4 mL	15-30 mCi/mL in 4 mL	15 mCi/mL in 1 mL	15-20 mCi/mL in 2-3 mL
<b>MMAD<sup>1</sup></b>	0.35 µM	0.35 µM	0.5 µM	0.5 µM	0.5 µM	0.9 µm <sup>2</sup>
<b>Filter</b>	HEPA	HEPA	HEPA	Bacteria	Bacteria	Bacteria
<b>Radioaerosol Kit Quantity</b>	24/case	24/case	25/case	25/case	20/case	10/case
<b>Free Trial Offer</b>	Yes	Yes	Yes	Yes	Yes	NA*
<b>Number of Purchased Kits To Receive Free Shield</b>	48	48	75	NA*	NA*	NA*
<b>Style of Lead Shield</b>	Table Top	Table Top or Pole Mount	Table Top or Pole Mount	Table Top	Pole Mount Table Mount	Table Top
<b>Weight of Lead Shield</b>	20 lbs.	Pole Mount: 4 lbs. Table Top: 11.5 lbs.	8 lbs.	NA*	5 lbs.	20 lbs.
<b>Ventilator Kits Available</b>	Yes	Yes	Yes	Yes	Yes	NA*
<b>Ventilator Kit Quantity</b>	6/case	6/case	25/case	5/pack	20/case	NA*

\*NA: Not available or not found by time of printing.

<sup>1</sup> MMAD based on statistic stated by the manufacturer of the radioaerosol lung imaging systems. If the MMAD was not provided by the manufacturer, the MMAD stated in relevant journal publications was used instead. If the MMAD stated in journal publications was inconsistent between articles, the smallest stated MMAD was used based on the assumption that the lower statistic would be most comparable to the other manufacturer stated MMAD statistics.

<sup>2</sup> Cabahug C. J., McPeck, M., Palmer, L. B., Cuccia, A., Atkins, H. L., Smaldone, G., C. "Utility of Technecium-99m-DTPA in Determining Regional Ventilation." *Journal of Nuclear Medicine* 1996 (Feb.), 37(2): 239-244.