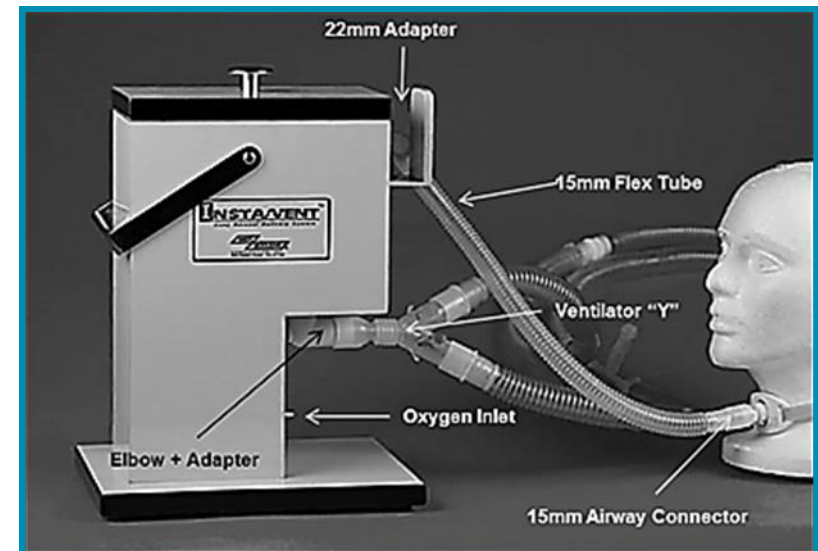
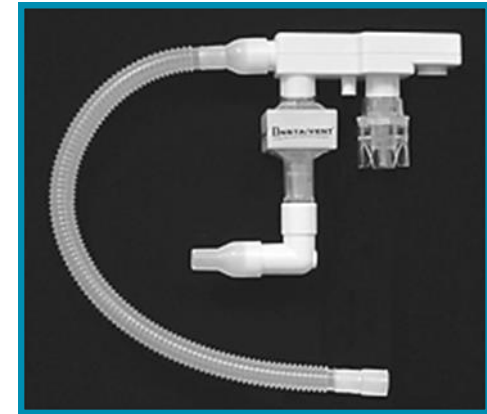


TIP SHEET: SPECIAL PATIENT POPULATIONS

- ◆ **Pediatric Patients:** An air-filled pediatric face mask will be required and is available through Medi/Nuclear®. Start with an air flow rate of 10-12 LPM and dial down as needed. An air flow rate of at least 7 LPM is required to generate an adequate mist. The breathing rate would be the same as for an adult however, the child will only be breathing in approximately one half of what an adult would (1 mCi compared to 2 mCi). Keep in mind that as air flow is decreased, particle size will increase.
- ◆ **Pregnant Women:** Following the standard protocol is generally OK. However, if appropriate, breathing time may be reduced by half, imaging time doubled or PYP may be used as it has a longer dwell time than DTPA and makes SPECT easier. As always, assess risks/benefits when using radioactivity with pregnant women.
- ◆ **Obese Patients:** No specific recommendations, just a word of caution not to increase the dose because of the radiation. Realize that the study may take a little longer than usual and due to more patient background in the images they may not be as pretty.
- ◆ **Ventilator Dependent Patient:** For convenience, Medi/Nuclear® offers a special, easy-to-use radioaerosol kit for ventilator dependent patients. Please contact us for a sample and simple step-by-step instructions.
- ◆ **Patient on BiPap Machine:** If the patient can be temporarily removed from the BiPap machine, a regular radioaerosol kit with face mask may be used. If the patient cannot be removed, the procedure should not be performed. In this case, a CT may be a better option.
- ◆ **Tracheotomy Patient:** If the patient is breathing on his/her own, securely cap/cover the tracheotomy opening in the neck and use a standard radioaerosol kit.

**InstaVent™ Kit
for Ventilator Dependent Patients
#IV-600V**



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