

Inhaler Training

A highly effective tool for training and assessing inhaler technique to help ensure accurate drug delivery



The unique Vitalograph® AIM™ is designed to assist in training subjects to use their DPI or MDI inhaler correctly, providing specific feedback to identify errors in technique. Mastery of correct inhaler use supports more accurate drug delivery, good subject compliance, and helps to support trial data integrity through reduced variability.

The easy-to-use AIM device is an excellent way to help ensure subjects leave the clinic knowing how to effectively self-administer the correct dose.

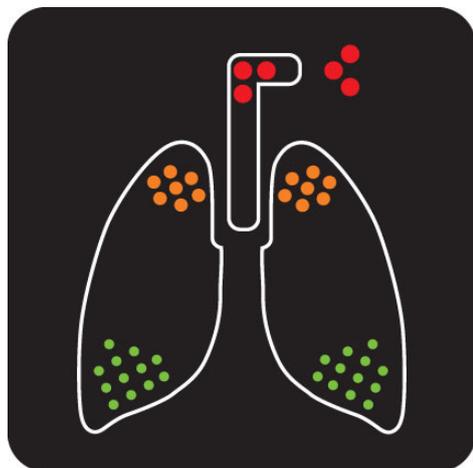
The device measures inspiratory flow rate, duration, breath hold, and MDI activation, all of which are critical to ensure drug is not wasted and subjects get the best from the prescribed dose. The AIM can be used for training with a variety of inhaler types; MDI, DPI, and novel/custom inhaler types are also possible.

Inhaler training with the AIM supports:

- Improved accuracy of inhaled drug delivery
- Better patient compliance
- More consistent inhaler use for improved data integrity



Technique Good / Poor Summary:



Fail (red):

Sub-optimal inspiratory flow rate or the inhaler was not activated/fired

Poor (orange):

Minimum inhalation duration not achieved and/or breath hold too short

Good (green):

All parameters met: correct inhalation flow rate with adequate inspired volume and breath hold

The AIM provides clear feedback to support correct technique including:

- Inspiratory acceleration at start of inspiration
- Timing of firing of MDI
- Inspiratory flow rate throughout inspiration
- Inhalation duration within target flow range
- Breath hold duration at end of inhalation

The AIM device is a valuable aid to subject training, complementing the provision of other Vitalograph devices to capture clinic or home study endpoints.

It is especially useful for studies on inhaler use and those where treatment efficacy may be compromised or masked by incorrect administration of an inhaled drug.

Technical Specification

Product	AIM (Aerosol Inhalation Monitor)
Model	4500
Power Supply	4 x AAA 1.5V batteries
Weight	Net: 260g (incl. batteries and tubing)
Dimensions	Net: 165mm x 133mm x 39.6mm

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