

Vitalograph®

Your cardio-respiratory partner

Data you can rely on.
People you can trust.



Vitalograph AIM

For effective inhaler training on dry powder and metered dose inhalers

The unique Vitalograph AIM™ (Aerosol Inhalation Monitor) is designed to assist medical practitioners in training subjects to use their inhaler correctly. Mastery of the correct technique will support more accurate drug delivery and good patient compliance, resulting in better disease management and fewer visits to medical professionals.

AIM validates good technique in the use of DPI and MDI inhalers:

The AIM uses a hygienic single-use disposable inhaler simulator to provide clear feedback and information to support correct technique regarding:

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

Benefits of the AIM:

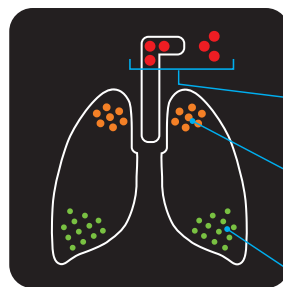
- Validates effective use of an inhaler
- Identifies correct choice of inhaler device type
- Identifies and quantifies poor inhaler technique
- Objective identification of proper use of the inhaler device
- Assists in training patients to use their inhalers correctly
- Provides clear feedback and instructions to subject and trainer
- Easy to use, hygienic and low cost
- Can optionally be used with a spacer



A summary result is displayed to clearly illustrate the difference between good and poor technique. The parts of the inhalation process which a subject has yet to master, including factors that are difficult to observe by eye, are clearly highlighted thereby enabling physicians to concentrate on specific aspects of subject technique.

- Displays aspects of the technique that were good or poor

Technique Good/Poor Summary:



Fail (Red):

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

Poor (Orange):

Not met inhalation time or breath hold too short

Good (Green):

Correct force of inhalation with adequate inspired volume and breath hold time

Technical Specification:

Product: AIM (Aerosol Inhalation Monitor)

Model Number: 4500

Power Supply: Battery AAA x 4

Weight: Net: 260g (inc batteries and tubing)
Gross: 310g

Dimensions:

Net: 165mm x 133mm x 39.6mm

Gross: 190mm x 140mm x 65mm

Operating Temperature: 10°C – 40°C

Storage Temperature: 0°C – 50°C

Storage Relative Humidity: 10% - 95%

Safety Standards: EN 60601-1:2006

Medical Safety Standard: Medical Devices
Directive 93/42/EEC1993 as amended

Designed & Manufactured Under:

ISO 13485:2003, FDA 21CFR820, CMDR & JPAL

Ordering Info:

45710 4500 AIM (Aerosol Inhalation Monitor)

45610 Disposable DPI Inhaler Simulator (25)

45611 Disposable MDI Inhaler Simulator (25)

79192 Replacement silicone tubing

45027 HFA Placebo Aerosol (8)

Vitalograph is a world leading provider of outstanding quality cardio-respiratory diagnostic devices, clinical trial services and medical equipment servicing. With a pioneering heritage of excellence spanning half a century Vitalograph continues to make valuable contributions to effective medical care and enhanced quality of life.

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Vitalograph Ltd, UK
Maids Moreton, Buckingham
MK18 1SW
England
Tel: (01280) 827110
Fax: (01280) 823302
E-mail: sales@vitalograph.co.uk
www.vitalograph.co.uk

Vitalograph Inc
13310 West 99th Street
Lenexa, Kansas, 66215
USA
Toll Free: 800 255 6626
Tel: (913) 730 3200
Fax: (913) 730 3232
E-mail: vitcs@vitalograph.com
www.vitalograph.com

Vitalograph Ltd, International
Maids Moreton, Buckingham
MK18 1SW
England
Tel: +44 1280 827120
Fax: +44 1280 823302
E-mail: sales@vitalograph.co.uk
www.vitalograph.eu

Vitalograph (Ireland) Ltd
Gort Road Business Park
Ennis, Co Clare
Ireland
Tel: +353 65 6864100
Fax: +353 65 6829289
E-mail: sales@vitalograph.ie
www.vitalograph.ie

Vitalograph GmbH
Rellinger Straße 64a
D-20257 Hamburg
Germany
Tel: +49 40 547391-0
Fax: +49 40 547391-40
E-mail: info@vitalograph.de
www.vitalograph.de

Vitalograph Ltd, Hong Kong/China
Unit 2001, Floor 20, Block A
New Trade Plaza
6 On Ping Street, Shatin
Hong Kong
Tel: +852 2117 2678
Fax: +852 2117 2679
E-mail: sales@vitalograph.cn
www.vitalograph.cn