bedfont® NObreath®

FeNO monitoring in primary care.
Make better clinical decisions for patients with asthma.

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CARDIO RESPIRATORY

20 years
Trusted in Respiratory Health
Since 1997

NObreath®

From a single breath, the NObreath® can provide an indication whether there is inflammation present in the airways.

NICE recommends FeNO testing as an option to help diagnose and manage asthma in adults and children.[1]

bedfont®

The Bedfont® NObreath® is a simple to use handheld monitor that measures Fractional exhaled Nitric Oxide (FeNO) in the breath. The device has been designed for use within the primary care setting and can be used on children as well as adults.

An adult patient blows into the NObreath® for 12 seconds giving an instant result for FeNO in ppb (parts per billion). The higher the FeNO reading the greater the inflammation in the airways.

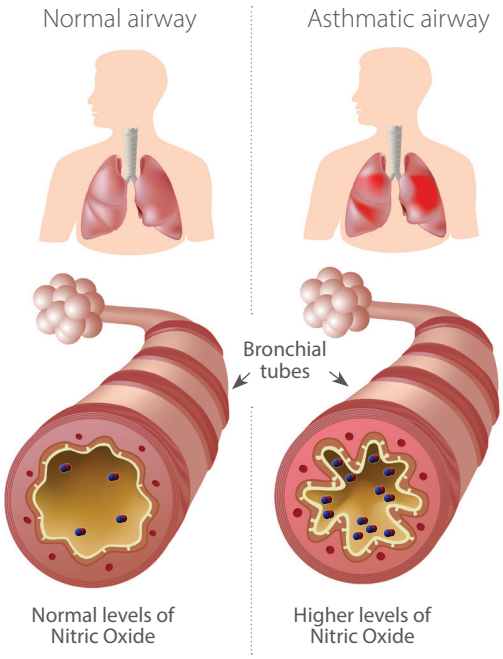
KEY FEATURES

- Can be used on adults and children
- Touchscreen control
- Instant FeNO readings
- Shows patient compliance

Read, Watch and Learn at www.fenomonitor.co.uk

Asthma and FeNO testing **explained**

Currently, asthma diagnosis in clinical practice lacks a gold standard.[1] Whilst Spirometry and provocation testing methods are widely used in asthma assessments, these tests only really show a partial picture as they are indirectly associated with airway inflammation.[2] Spirometry and peak flow measurement also rely heavily on patient compliance and the need for a good quality spirometry test.



Results from spirometry and peak flow tests can effectively show that a patient has an obstruction, however conditions such as COPD or chronic cough may present symptoms that are similar to that found in asthma.[5] Consequently this could lead to patients either being mis-diagnosed or not receiving the right treatment for the disease.[6]

In an asthmatic person, the bronchial tubes in the airways become inflamed. Nitric Oxide in the bronchial tubes is produced at a higher than normal concentration. This is exhaled on the breath and can be measured using a Fractional exhaled Nitric Oxide (FeNO) monitor. A FeNO test is simple to perform and requires very little respiratory effort by the patient. Results are displayed as a single value in ppb (parts per billion).[7,8]

The measurement of FeNO can be used as a non-invasive biomarker of airway inflammation in asthma sufferers. A positive FeNO reading in conjunction with spirometry and peak flow tests can help confirm a diagnosis of asthma in a patient and/or support ongoing treatment for the disease.[8]

BENEFITS OF USING FENO

- FeNO measurement is recommended as an option to help diagnose asthma in adults and children[1]
- Taking a measurement is non-invasive, quick and easy to perform[3]
- Provides a complementary tool to other ways of assessing airways disease, including asthma.
- Shows patient's response to treatment, enabling the correct prescription of medication.
- Aids in identifying patients who do/do not require ongoing treatment.[4]
- Shown to be superior to the majority of conventional tests of lung function, such as peak flow recording and spirometry.[3]

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Technical Information

Concentration range	5-300ppb nitric oxide
Accuracy	± 5ppb of measured value 50ppb ± 10% of measured value >50ppb
Repeatability	± 5ppb of measured value 50ppb ± 10% of measured value >50ppb
Sensor sensitivity	5ppb
Breath test time	Adult 12 seconds Child 10 seconds
Warm up time	~60 seconds
Ambient air test	30 seconds
Operating temperature range	10-30ºC (ambient)
Operating relative humidity (environmental)	10-80% Rh (non-condensing)
Sensor operating life	1-2 years; 6 month warranty
Detection principle	Electrochemical sensor
Maximum ambient operating level	350 ppb NO
Power	4.5V DC: 3 x AA (LR6 or equivalent) alkaline batteries
Battery Life (1 set of 3 AA batteries)	Up to 120 tests
Display	Colour LCD with touch screen
Dimensions	Approx. 152 x 87 x 47mm
Weight	Approx. 400g including batteries
Construction	Case – Polycarbonate/ABS blend with elastomeric overmould NObreathFlo™ – Polycarbonate/ABS blend Mouthpiece – Polypropylene

Ordering Information

1420006	Bedfont® NObreath® FeNO Monitor Includes NObreathFLO™ mouthpiece attachment, interpretation chart, 3 x AA batteries
1420019	Mouthpieces for Bedfont® NObreath® (Box of 50)

Learn more and watch videos about FeNO and the NObreath® online

www.fenomonitor.co.uk

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