



NObreath[®]

Aids in the diagnosis & management of asthma, one breath at a time.

Benefits of monitoring FeNO with the NObreath[®]

- Non-invasive, quick and easy to perform¹.
- Shows patient's response to treatment, enabling the correct prescription of medication and safer/monitored adjustments².
- Aids in identifying patients who do/do not require on-going treatment².
- Shows patient compliance².
- Aids in differentiating between allergic (eosinophilic) and non-allergic asthma².
- Shown to be superior to the majority of conventional tests of lung function, such as peak flow recording and spirometry³.

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**FeNO monitoring
made easy!**



NObreath[®]
Educational Portal



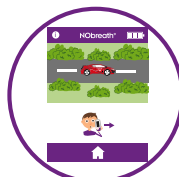
FREE FeNOchart[™]
patient management
software



Adult, child &
ambient test modes



Create & save
patient details



Onscreen animated
flow meter for
motivation

Ideal For:

- GP's
- Respiratory Nurses
- Clinicians
- Medical Students

Features and Benefits



* Subject to correct use, maintenance and service. Tested up to 29,000 tests.

SDK by Bedfont[®] Scientific Ltd. NObreath[®] Integration

Our NObreath[®] SDK is designed to enable you to integrate the functionality of NObreath[®] FeNO devices into your software application. Whether you're building an app for asthma management or personalised wellness, our SDKs provide secure, compliant, and straightforward connectivity. Give your users the power of clinical-grade insights with just a few lines of code.

For more information and to
apply please visit:
<https://www.bedfont.com/sdk/>

www.nobreathfeno.com

Technical Specification

Concentration range		5 - 500 ppb
Display		Full colour touchscreen
Detection principle		Electrochemical sensor
Repeatability		± 5 ppb of measured value ≤ 50 ppb ± 10% of measured value > 50 ppb
Accuracy		± 5 ppb of measured value ≤ 50 ppb ± 10% of measured value > 50 ppb
Power	NObreath® Device	1 x main rechargeable Li-ion battery – Approx. 100 uses on fully charged battery Model: RRC1120. Voltage: 3.6 V / 3.7 V Capacity: 2350 mAh / 2000 mAh 2 x Li-ion coin cell batteries – Approx. 5 years Model: LIR2032/LIR2032H. Voltage: 3.7 V. Capacity: 45 mAh/70 mAh Model: LIR2450. Voltage: 3.7 V. Capacity: 120 mAh
	Plug	Input: 100 - 240 V ~ 50/60 Hz, 0.2 A Output: 5.0 V, 1.0 A
T ₉₀ response time		≤ 10 seconds
Temperature	Operating	15 - 30°C
	Storage/transport	0 - 50°C
	Calibration	21°C ± 4°C (17°C - 25°C)
Humidity	Operating	20 - 80% RH (non-condensing)
	Storage/transport	5 - 95% RH (non-condensing)
Operating/transport/ storage altitude		-1700 ft. to 6300 ft.
Operating/transport/storage pressure		800 – 1080 mbar
Expected sensor operating life		5 years (subject to servicing)
Limit of Detection		5 ppb
Sensor drift		< 5% per annum
Dimensions		Approx. 90 mm x 159 mm x 59 mm
Weight		Approx. 400 g
NObreath® Materials		Case: polycarbonate/ABS blend with antimicrobial technology
Breath test time	Adult	12 seconds
	Child	10 seconds
	Ambient	30 seconds
Warm-up time		≤ 60 seconds
Maximum ambient operating level		350 ppb NO
CO cross interference		45 ppm ≤ 17.6 ppb

NOTE: Exhaled flow during FeNO measurement at 50 ml / sec ± 10% at 10 cm H₂O.

References

1. Asthma + Lung UK. FeNO test [Internet]. Asthma + Lung UK. 2026. Available from: <https://www.asthmaandlung.org.uk/symptoms-tests-treatments/tests/feno-test>.
2. National Institute for Health and Care Excellence. Overview | Asthma: diagnosis, monitoring and chronic asthma management (BTS, NICE, SIGN) | Guidance | NICE [Internet]. Nice.org.uk. NICE; 2024. Available from: <https://www.nice.org.uk/guidance/NG245>.
3. Smith, A.D., Cowan, J.O., Filsell, S., McLachlan, C., Monti-Sheehan, G., Jackson, P. and Taylor, D.R., 2004. Diagnosing asthma: comparisons between exhaled nitric oxide measurements and conventional tests. American journal of respiratory and critical care medicine, 169(4), pp.473-478.

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