



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
- Aids in asthma management, assisting the correct prescription and making monitored adjustments
- Shows patient adherence to treatment⁴
- Aids in identifying patients who do/do not require on-going treatment²
- Aids in differentiating between allergic (eosinophilic) and non-allergic asthma³.
- Shown to be superior to the majority of conventional tests of lung function, such as peak flow recording and spirometry¹



FeNO monitoring made easy!



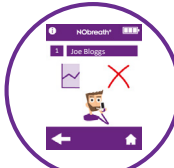
Exclusive NObreath[®] forum



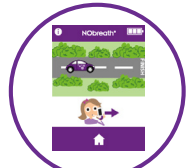
FREE FeNOchart[™] patient management software



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.

References

1. Andrew D. Smith, Jan O. Cowan, Sue Filsell, Chris MacLachlan, Gabrielle Monti-Sheehan, Pamela Jackson and D. Robin Taylor. Diagnosing Asthma: Comparisons between Exhaled Nitric Oxide Measurements and Conventional Tests. *Am J Respir Crit Care Med* Vol 169. pp 473-478, 2004.
2. D R Taylor, MW Pinenburg, A D Smith and J CD Jongste. Exhaled nitric oxide measurements: clinical application and interpretation. *Thorax* 2006;61:817-827.
3. Coumou HBel E. Improving the diagnosis of eosinophilic asthma [Internet]. Taylor and Francis online. 2017 [cited 15 March 2017]. Available from: <http://www.tandfonline.com/doi/full/10.1080/17476348.2017.1236688>
4. Beck-Ripp J, Griese M, Arenz S, Koring C, Pasqualoni B, Buefler P. Changes of exhaled nitric oxide during steroid treatment of childhood asthma. *Eur Respir J* 2002;19:1015-1019.

www.nobreath.co.uk

Technical specification

| | | |
|---|-----------------------------|---|
| Concentration range | | 0-500ppb |
| Display | | Full colour touchscreen |
| Detection principle | | Electrochemical sensor |
| Repeatability | | ±5ppb of measured value ≤ 50ppb ±10% of measured value > 50ppb |
| Accuracy | | ±5ppb of measured value ≤ 50ppb ±10% of measured value > 50ppb |
| Power | NObreath® monitor | 1 x main rechargeable Li-ion battery- Approx. 100 uses on fully charged battery 2 x Li-ion coin cell battery- Approx. 5 years Input: 5V, 0.5A |
| | NObreath® Dock | Mains powered Input: 5V, 0.5A Output: 5V, 0.5A |
| | Plug | Input: 100-240V ~ 50/60Hz., 0.2A Output: 5.0V, 1.0A |
| T₉₀ response time | | ≤10 seconds |
| Operating temperature | | 10-30°C |
| Storage/transport temperature | | 0-40°C |
| Operating/storage/transport pressure | | Atmospheric ±10% |
| Operating humidity | | 25-75% non-condensing |
| Storage/transport humidity | | 0-95% non-condensing |
| Sensor operating life | | 5 years (Subject to correct use, maintenance and service.) |
| Sensor sensitivity | | 1ppb |
| Sensor drift | | <5% per annum |
| Dimensions | | Approx. 90 x 159 x 59 mm |
| Weight | | Approx. 400g |
| Materials | NObreath® monitor | Case: polycarbonate/abs blend |
| | NObreath® Dock | SteriTouch® anti-microbial additive |
| | NObreath® mouthpiece | Polypropylene |
| 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 | | 45ppm ≤17.6 ppb |

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