

FeNObreath

Handheld Portable Exhaled Nitric Oxide Monitor



INTRODUCING FeNObreath

Measure exhaled nitric oxide for monitoring airway inflammation.

R Only



FeNO TESTING WITHOUT LIMITS™

BASED ON PROVEN, VALIDATED BEDFONT® FeNO TECHNOLOGY

FeNObreath IS A PORTABLE DEVICE, FOR USE ON PEDIATRIC AND ADULT PATIENTS

FEATURES:

- Handheld, portable, battery-operated device can be used in the hospital or at remote locations.
- Single patient use mouthpiece for safe testing at an economical cost/test: The mouthpiece is specifically designed with an integrated filter to remove >99% of airborne bacteria and >98% of viruses.
- FeNo results can be entered manually into MGC Diagnostics software to display pulmonary function test results for storage and reporting.

WHY FeNObreath OVER OTHER DEVICES?

- Patient testing & results can be displayed within a minute of turning the system on.
- The patient never inhales through the device (optimal infection control).
- No test kits to purchase or expire - only purchase mouthpieces.
- Long shelf life mouthpieces are available in multiple quantities.
- Perform multiple tests on each patient at no additional cost*.
- Lowest cost per patient test on the market.
- Five year life warranty**.

* up to three tests per mouthpiece.

** tested up to 29,000 tests, subject to service and maintenance.



Color touch-screen displays intuitive test instructions with a simple menu driven graphical interface featuring adult and pediatric incentive screens.



BENEFITS OF PERFORMING FeNO TESTING:

- Non-invasive, quick and easy to perform¹
- Monitor patient's response to treatment, enabling the correct prescription of medication and safer/monitored adjustments
- Monitor patient adherence to treatment²
- Assists in identifying patients who may or may not require on-going treatment³
- Aids in differentiating between allergic (eosinophilic) and non-allergic asthma⁴

1. Andrew D. Smith, Jan O. Cowan, Sue Filself, 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. Beck-Ripp J, Griesel M, Koring C, Pasqualoni B, Butler P. Changes of exhaled nitric oxide during steroid treatment of childhood asthma. Eur Respir J 2002;19:1015-1019.
3. D R Taylor, MW Pinenburg, A D Smith and J C D Jongste. Exhaled nitric oxide measurements: clinical application and interpretation. Thorax 2006;61:817-827.
4. 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/10.1080/17476348.2017.1236688>



SPECIFICATIONS

Concentration range		5 - 500ppb
Display		Full color 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	FeNObreath® 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
	FeNObreath® Dock	Input: 5V 0.5A Output: 5V 0.5A
	Plug	Input: 100 - 240V - 50/60Hz, 0.2A Output: 5V 1.0A
T50 response time		≤ 10 seconds
Operating temperature		59-86°F (15 - 30°C)
Storage/transport temperature		32-122°F (0 - 50°C)
Operating/storage/transport pressure		Atmospheric ± 10% Altitude -1700 to 6300 ft
Operating humidity		20 - 80% non-condensing
Storage/transport humidity		9 - 95% non-condensing
Expected Sensor operating life		5 years (Subject to correct servicing)
Sensor sensitivity		1ppb
Sensor drift		< 5% per annum
Dimensions		Approx. 3.5 x 6.2 x 2.3 inches Approx. 90 x 159 x 59mm
Weight		Approx. 0.9 lb (400g)
Materials	FeNObreath® monitor	Case polycarbonate/abs blend
	FeNObreath® Dock	SteriTouch® anti-microbial additive
	FeNObreath® mouthpiece	Polypropylene
Breath test time		Adult: 12 seconds Child: 10 seconds Ambient: 30 seconds
Warm-up time		≤ 60 seconds
Maximum ambient operating level		350ppb NO
CO cross interference		45ppm ≤ 17.6ppb
Note		Exhaled flow during FeNO measurement at 50ml/sec ± 10% at 10cm H2O

DESIGNED, DEVELOPED
AND MANUFACTURED BY:



MGC DIAGNOSTICS CORPORATION, manufactured by Bedfont Scientific, UK, distributed by Medical Graphics Corporation
350 Oak Grove Parkway St. Paul, Minnesota USA 55127-8599

© 2022 MGC Diagnostics Corporation or one of its affiliates. All rights reserved.

All specifications subject to change without notice. Products may vary from those illustrated.

MGC Diagnostics and its affiliates are equal opportunity/affirmative action employers committed to cultural diversity in the workforce.

Part# 060164-001 RevB