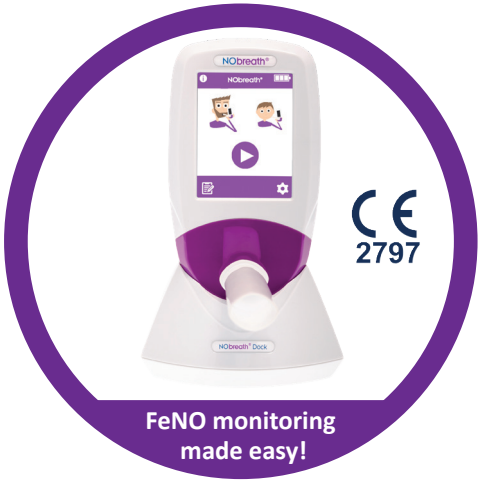
NObreath®

FeNO Testing without limits.



Benefits of monitoring FeNO with the NObreath®:

- Non-invasive, quick and easy to perform[1]
- Aids in asthma management, assisting the correct prescription and making monitored adjustments
- Shows patient adherence to treatment[4]
- Aids in identifying patients who do/do not require on-going treatment[2]
- Aids in differentiating between allergic (eosinophilic) and non-allergic (non-eosinophilic) asthma[3]
- Shown to be superior to the majority of conventional tests of lung function, such as peak flow recording and spirometry[1]


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

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 C D 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, Bufler P. Changes of exhaled nitric oxide during steroid treatment of childhood asthma. Eur Respir J 2002;19:1015–1019.

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Technical Specification

Concentration range		5-500ppb
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 Model:RRc1120. Voltage: 3.6V / 3.7V Capacity: 2350mAh/2000mAh 2x Li-ioncoin cell battery– Approx. 5 years Model: LIR2032 Voltage: 3.6V Capacity: 45mAh Model: LIR2450 Voltage: 3.7V Capacity: 120mAh
	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
T_{90} response time		≤10 seconds
Temperature	**Operating**	15-30°C (59-86°F)
	Storage/transport	0-50°C (32-122°F)
	Calibration	21°C ±4°C (17°C-24°C) 70°F ± 39°F (63°F - 77°F)
Humidity	**Operating**	20-80% RH (non-condensing)
	Storage/transport	5-95% RH (non-condensing)
Operating/storage/transport Altitude		-1700 ft.to 6300 ft.
Sensor operating life		5 years (subject to servicing)
Limit of Detection		5ppb
Sensor drift		<5% per annum
Dimensions		Approx. 90 x 159 x 59 mm (3.5 x 6.3 x 2.3 in)
Weight		Approx. 400g (0.9lb)
Materials	**NObreath® monitor**	Case: polycarbonate/ABS blend SteriTouch® anti-microbial additive
	NObreath® Dock	
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

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

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