HypAir FeNO

EXPAIR Software

Special edition for FeNO Module
• SQL database with processing tools and backup function
• Serial History table, graphs and reporting
• Interpretation module
• Comments notepad, Physician and User
• Report Editor
• Multi Language compatible
• Definable measuring units
• Full quality control and history of calibration
• Diagnostic Technical toolbox, allowing problem solving and full control of all functions of the module and teleassistance possibility

The module can also be fully integrated with our range of full pulmonary function instruments.
HYPAIR Fe(NO)
Exhaled NO measuring system
The exhaled NO is measured during the expiratory cycle by sample analysis

Technique:
- Meets ERS / ATS Measurement standards
- Easy to use, fast and non-invasive
- Excellent reproducibility (max. variability 2.5 ppb)

Fe(NO) measurements at different levels of the respiratory tract: Bronchial, Alveolar, Nasal
- A direct relationship has been shown between the level of the inhaled steroid dose and the fall of the measured FeNO, improving the management of the subject’s steroid treatment

Advantages
- Low running cost
- Controlled expiratory flow rates 50, 100, 150 and 350 ml/sec
- Adjustable washout and sample volume
- Can be fully integrated to Medisoft Pulmonary Function range
- Automated quality control ensures accurate analysis
- Measurement interpretation integrated in the software
- External sample bag collection capabilities (option)
- Quality criteria of analysis process
- Graph - Fe/washout
- Fe/flow

Measurement sequence
1. INITIALLATION
   The patient breathes out outside the device
2. INSPIRATION
   A maximal inspiration is performed of room air via the ambient NO absorber, this scrubs the inspired air providing a FINO of zero
3. EXPIRATION
   A full expiration is performed at a constant flow rate, this is controlled with a flow restrictor and help screen
4. ANALYSIS TIME < 60 SECONDS
   The collected sample is drawn through the analysis circuit within less than 60 seconds and the full table of results displayed

Display of results
- Number of tests: maximum 5 per screen
- Results averaging of tests performed

Measured parameters
- NO/ Bronchial & Nasal (option)
- Maximum value of exhaled NO in ppb
- VE
  Averaged expired flow rate in ml/sec
- VNO
  Averaged expired NO flow rate in nl/min
- Pres.
  Averaged expiratory pressure in cm H2O
- Number of tests: maximum 5 per screen
- Results averaging of tests performed

Chemical absorber column to purge ambient NO (pollution)