



**medisoft**<sup>®</sup>  
CARDIO-RESPIRATORY INSTRUMENTATION

# Most comprehensive range of tests

Approaching 50 testing types with combinations to select from the most versatile testing platform.

## Key :

- Empty point : Optional
- Filled point : Standard



	Micro 6000	Micro 5000	SpiroAir	HypAir	HypAir Muscle Study	BodyBox	Resmon Pro Full	Ergocard Clinical	Ergocard Pro	FeNO <sup>+</sup>
<b>Spirometry</b>										
1 Relaxed spirometry (VC)	●	●	●	●		●		●	●	○
2 Forced spirometry (FVC)	●	●	●	●		●		●	●	○
3 Maximum voluntary ventilation (MVV)	●	●	●	●		●		●	●	○
4 Minute tidal ventilation (Vmin)	●	●	●	●		●		●	●	○
5 Reversibility (pre/post)	●	●	●	●		●		●	●	○
6 Challenge (only software)	●	●	●	●		●		●	●	○
<b>Lung Volumes</b>										
7 Lung volumes by plethysmography (TLC)						●				
8 Lung volumes by Helium dilution (FRC-He)			●	○		○				
9 Lung volumes by Nitrogen washout (FRC-N <sub>2</sub> ) - LCI				○		○			○	
10 Closing volumes (N <sub>2</sub> slope)				○		○			○	
<b>Diffusion</b>										
11 DLCO Helium - Inspiratory bag or demand valve (DLCO-He)			○	○		○				
12 DLCO Helium rapid (single-breath and intra-breath) - Inspiratory bag or demand valve (DLCO-He fast)				○		○				
13 DLCO Methane - Inspiratory bag or demand valve (DLCO-CH <sub>4</sub> )				○		○			○	
14 Double diffusion CO and NO with Helium (DLCO/NO-He)			○	○		○				
15 DLCO steady state (DLCO ss)				○		○				
16 DLCO rebreathing (DLCO rb)			○	○		○				
<b>Mechanics</b>										
17 Airways resistance by plethysmography (RAW)						●				
18 Resistance by flow interruption (RINT)		○	○	○	○	○				
19 Resistance by forced oscillation (FOT) with Resmon Pro Unit							●			
20 Maximal inspiratory/expiratory pressure (MIP/MEP)		○	○	○	○	○				
21 Spontaneous nasal inspiratory pressure (SNIP)		○	○	○	○	○				
22 Lung compliance (static, quasi static and dynamic)		○	○	○	○	○				
<b>Mechanics with Neural drive</b>										
23 Occlusion pressure (P01)		○	○	○	○	○				
24 Occlusion pressure with CO <sub>2</sub> (P01 - CO <sub>2</sub> )					○					
25 Trans - diaphragmatic pressure (PDI)					○					
26 Abdominal belt					○					
<b>Cardio-Respiratory</b>										
27 Gas exchange VO <sub>2</sub> - VCO <sub>2</sub> breath to breath								●	●	
28 Hypoxic and hyperoxic exercise testing									○	
29 SpO <sub>2</sub> oximetry					○			○	●	
30 Non-invasive blood pressure								○	○	
31 Heart rate belt								○	○	
32 ECG								○	○	
33 Cardiac output CO <sub>2</sub> re-breathing (QT-CO <sub>2</sub> )									○	
34 Cardiac output acetylene dissolution (QT-C <sub>2</sub> H <sub>2</sub> )									○	
35 Indirect calorimetry - nutrition								○	○	
36 Ventilation effort study								○	○	
<b>Endogenous Nitric Oxide</b>										
37 Exhaled Nitric oxide (bronchial)										●
38 Exhaled Nitric oxide (alveolar)										●
39 Nasal Nitric oxide										○
<b>Other tests</b>										
40 Negative expired pressure (NEP)		○	○	○		○			○	
41 Automatic nebuliser (Provo 4)		○	○	○		○				