



Configurator

BodyBox

Plethysmography



medisoft®
CARDIO-RESPIRATORY INSTRUMENTATION

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For P.F.T. laboratories not familiar with plethysmography, this technique is often misunderstood and considered as complicated. On the contrary, the BodyBox is incredibly easy to use.

What is Provo 4?
The provocation tests aims to analyse the reaction of the patient lungs after inhalation of broncho-constrictor product.
The test is made in several steps. A baseline test is performed in order to measure the lungs parameters (resistance, lung volumes, FEV1,...), before the patient inhales a dose of a broncho-constrictor drug. After a reaction time, the lung parameters are measured and compared to the baseline parameters.
This bronchial challenge step is repeated with incremental delivered doses until a significant drop of the parameters (typically 20%) is obtained, which indicates a bronchial hyper-responsiveness (BHR). At the end of the test, the subject receives a bronchodilator and is monitored until a full and sustainable recovery.
Provo 4 is a pressure triggered automated dosimeter for delivery of nebulised aerosol constrictor drug. It permits multiple protocols to be created and stored.



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Key :

- Empty point : Cumulative choice, can be combined with other options.
- Filled point : Exclusive choice, can not be combined with other options.

BodyBox Plethysmography

BodyBox base module and cabin size :

- **Standard size (945l)** Ref: BB-00-01
- **Extra large size (1250l)** Ref: BB-00-02
- **Wheelchair Access (1440l)** Ref: BB-00-03
- **Pediatric size (425l)** Uses pneumotachograph (0 to 6l/min) Ref: BB-00-04 - **Medisoft Exclusivity**

Important note

A BodyBox always includes the ExpAir software with:

- **Spirometry**
 - Resting spirometry (VC)
 - Forced spirometry (FVC)
 - Maximum voluntary ventilation (MW)
 - Minute tidal ventilation (Vmin)
 - Reversibility (pre/post)
 - Bronchial challenge, multi-level spirometry
- **Lung volumes**
 - Lung volumes by plethysmography (TLC)
- **Mechanics**
 - Airways resistance by plethysmography (RAW)
- **Patient communication kit**

Start with the base module and follow this path :

- 1 Diffusion & lung volumes
- 2 Additional optional tests
- 3 Other options
- 4 Computer
- 5 Trolley

1 Diffusion & lung volumes

1.A • Standard analyzer

1.A.1 • Inspiratory bag

- DLCO Helium standard inspiratory bag (DLCO-He IB) Ref: BB-00-05
- DLCO rebreathing (DLCO rb) Ref: BB-00-06 - **Medisoft Exclusivity**
- Double diffusion CO and NO with Helium (DLNO) Ref: BB-00-07 - **Medisoft Exclusivity**

1.A.2 • Demand valve

- DLCO Helium standard demand valve (DLCO-He DV) Ref: BB-00-08

1.B • Rapid analyzer

1.B.1 • Inspiratory bag

- FRC by Nitrogen washout/LCI inspiratory bag (FRC-N2 IB) includes closing volumes (N2 slope) Ref: BB-00-09 - **Medisoft Exclusivity**
- Diffusion
 - DLCO Helium rapid inspiratory bag (DLCO-He Fast IB) Includes DLCO intrabreath (DLCO ib) Ref: BB-00-10
 - DLCO steady state inspiratory bag (DLCO ss IB) Ref: BB-00-12 - **Medisoft Exclusivity**
 - DLCO CH4 inspiratory bag (DLCO-CH4 IB) Includes DLCO intrabreath (DLCO ib) Ref: BB-00-11
 - DLCO steady state inspiratory bag (DLCO ss IB) Ref: BB-00-12 - **Medisoft Exclusivity**

1.B.2 • Demand valve

- FRC by Nitrogen washout/LCI demand valve (FRC-N2 DV) includes closing volumes (N2 slope) Ref: BB-00-13 - **Medisoft Exclusivity**
- Diffusion
 - DLCO Helium rapid demand valve (DLCO-He Fast DV) Includes DLCO intrabreath (DLCO ib) Ref: BB-00-14
 - DLCO steady state demand valve (DLCO ss DV) Ref: BB-00-16 - **Medisoft Exclusivity**
 - DLCO CH4 demand valve (DLCO-CH4 DV) Includes DLCO intrabreath (DLCO ib) Ref: BB-00-15
 - DLCO steady state demand valve (DLCO ss DV) Ref: BB-00-16 - **Medisoft Exclusivity**

2 Additional optional tests

Options 2A to 2E can be cumulated. If you want to add 2F and/or 2G please contact us for more information.

- 2.A • Maximal Inspiratory/Expiratory mouth Pressure (MIP/MEP) Ref: BB-00-17
- 2.B • Maximal Inspiratory/Expiratory mouth Pressure + Spontaneous Nasal Inspiratory Pressure (MIP/MEP + SNIP) Ref: BB-00-18
- 2.C • Occlusion Pressure (P01): BB-00-19
- 2.D • Lung Compliance (static, quasi static and dynamic) (Compliance) Ref: BB-00-20
- 2.E • Automatic nebulizer for broncho provocation (Provo 4) Ref: BB-00-21
- 2.F • Negative Exired Pressure (NEP) Ref: BB-00-22 - **Medisoft Exclusivity** (Not compatible with DLCO-He Fast nor FRC-N2)
- 2.G • Resistance by Interruption (RINT) Ref: BB-00-23
- 2.H • Resistance by Forced Oscillation Technique (FOT) with Resmon Pro Unit Ref: RES-00-01 - **Medisoft Exclusivity**

Medisoft ExpAir compatibility for graphic and numerical data integration and reporting

3 Other options

- 3.A • Compensation Chamber Ref: BB-00-24
- 3.B • Patient second monitor with bracket Ref: BB-00-25
- 3.C • Left side opening door and reversed chair position Ref: BB-00-26 - **Medisoft Exclusivity**

4 Computer

Every Medisoft computer is customized and optimized for your needs. The computer installation and the configuration are included in our prices.

- 4.A • Computer
 - 4.A.1 • Mini-ITX computer Ref: IT-00-01
 - 4.A.2 • Desktop PC only Ref: IT-00-02
- 4.B • Keyboard & mouse Ref: IT-00-03
- 4.C • Deskjet color printer Ref: IT-00-04 (Laser printer available on request)
- 4.D • Monitor
 - 4.D.1 • 19" Ref: IT-00-05
 - 4.D.2 • 24" Ref: IT-00-06
- 4.E • Back-up drive RAID (only available on desktop PC) Ref: IT-00-07

5 Trolley

- 5.A • V2 Standard version Ref: TR-00-01
 - 5.A.1 • Basket for accessories Ref: TR-00-05
 - 5.A.2 • Additional shelf
 - 470 x 385 mm Ref: TR-00-06
 - 650 x 300 mm Ref: TR-00-07
 - 5.A.3 • Second monitor with arm
 - 19" Ref: TR-00-08
 - 24" Ref: TR-00-09
- 5.B • V2 Seated version Ref: TR-00-02
 - 5.B.1 • Basket for accessories Ref: TR-00-05
 - 5.B.2 • Second monitor with arm
 - 19" Ref: TR-00-08
 - 24" Ref: TR-00-09
- 5.C • Computer table Ref: TR-00-04

