

Spirobank USB[®]

A diagnostic spirometry in 3 steps:

- 1 Test session stand alone
- 2 Plug into PC
- 3 Instant PDF printout



Diagnostic spirometer
Spirobank identifies pre-symptomatic patients at risk of COPD at an early stage facilitating better clinical outcomes.



Asthma monitor
Customizable on request
Ideal for kids or adults.



Easy to use
Intuitive and reliable can be used by specialists as well as non-respiratory professionals.



Winspiro Express PC software
Once a spirometry test has been carried out the results can be transferred via USB to the PC for printout and storage.

Pulmonary Function Test Results

e-hospital
Departamento Pneumologico
Dr. Antonio De Angellis

Patient Data

Last name	MARTINI	Age	28
First name	DAVID	Gender	Male
Date of birth	06/05/1975	Height, in	71
Ethnic group	Caucasian	Weight, lb	167

Interpretation
Normal Spirometry

Best values from all loops

Parameters	BTPS	Pred	Measured	%Pred
FVC	L	5,43	5,88	105
FEV1	L	4,49	5,12	114
FEV1/FVC	%	83,2	90,1	108
PEF	L/s	9,77	12,90	132

Date 24/07/2003 14.34.17

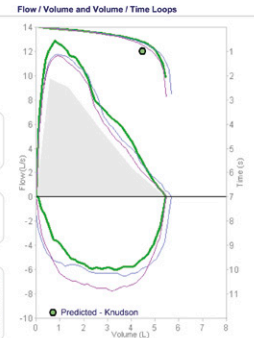
Parameters	BTPS	Predicted	Measured #1	%Predicted	Measured #2	Measured #3
Forced Vital Capacity						
FEV6	L	5,30	5,45	103	5,68	5,47
FVC	L	5,43	5,45	100	5,68	5,47
FEV1	L	4,49	5,06	113	5,12	4,85
FEV1/FVC	%	83,2	92,8	112	90,1	88,7
PEF	L/s	9,77	12,90	132	11,91	11,73
FEF2575	L/s	4,71	7,33	156	6,38	5,88
ELA	Years	33	33	100	33	33

Conclusion / Medical report

Signature _____

Instrument used
Spirobank USB SN 000000 1/1

Flow / Volume and Volume / Time Loops



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Diagnostic report on PDF

3 best spirometry tests complete with Flow/Volume loop and Volume/Time curve.
FVC, FEV1, FEV6, FEV1/FVC%, PEF, FEF25-75%, VC, IVC, FIVC, Lung Age. Multiple predicted values.

Spirobank USB®

MIR Turbine Flowmeters (comply with ATS/ERS standards)



FlowMIR: disposable turbine

Spirometry testing requires maximum accuracy and hygiene.

FlowMir is the answer to both requirements. Each turbine is calibrated with a computerized system and is packaged individually. After patient testing both the turbine and mouthpiece are thrown away. Only in this way 100% hygiene is guaranteed.

Option available: reusable turbine

The accuracy and the precision of the reusable turbine remains unchanged even over time.



Spirobank USB® Spirometer

Technical specifications

Temperature sensor: *semiconductor (0-45 °C)*

Flow sensor: *bi-directional digital turbine*

Max volume: *10 L*

Flow range: *± 16 L/s*

Volume accuracy: *± 3% or 50 mL, whichever is greater*

Flow accuracy: *± 5% or 200 mL/s, whichever is greater*

Dynamic resistance at 12L/s: *<0.5 cmH2O/L/s*

Display: *128 × 48 pixel, graphic LCD - FSTN*

Keyboard: *5 keys Membrane Keyboard*

Connectivity: *USB*

Power supply: *9V DC (PP3 battery)*

Dimensions: *6.4 × 1.9 × 1.3 inch (162 × 49 × 32 mm)*

Weight: *6.4 Oz (180 gram) with battery*

Measured parameters

VC, IVC, FVC, FEV1, FEV6, PEF, FEV1/FVC%, FEF25-75%, FIVC, ELA (Estimated Lung Age)

Standard price includes

- spirobank USB® base unit
- USB cable
- Carrying bag
- Plastic noseclip
- 9V DC (PP3 battery)
- winspiro Express software CD



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