SpiroMaster PC-12
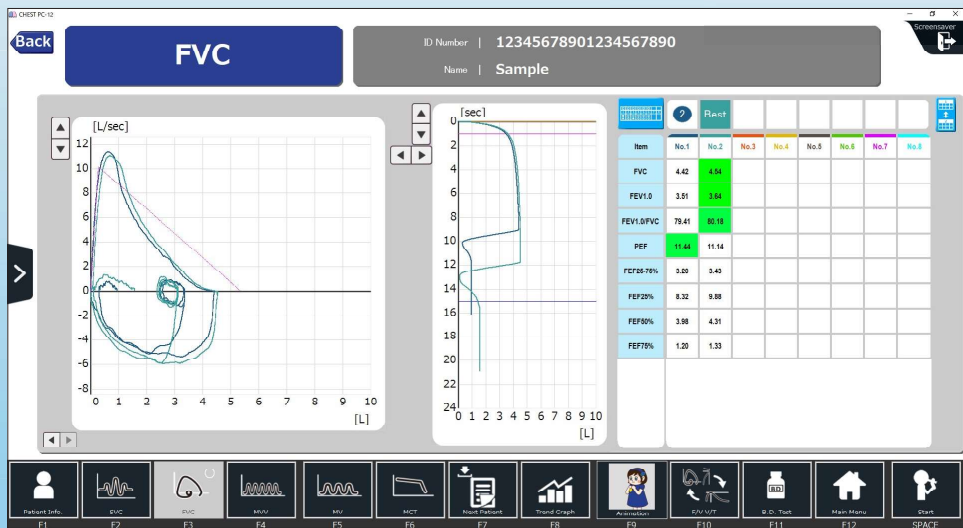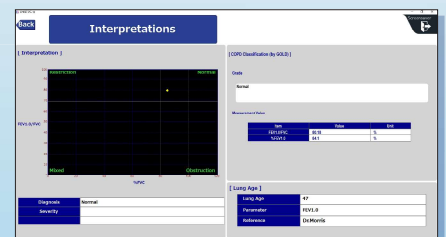
Turn your PC into a Spirometer

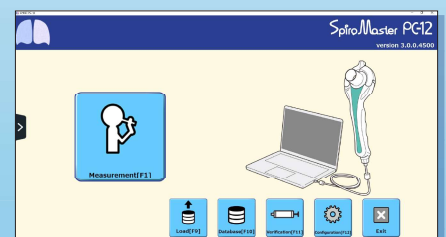## Quick, Simple, and Easy Testing!

- ✓ **Trend analysis of patient Spirometry results**
- ✓ **Pediatric incentive animation**
- ✓ **Lung age estimation supported**
- ✓ **BD (Bronchodilator) test and Methacholine Challenge test**
- ✓ **Automatic COPD interpretation**
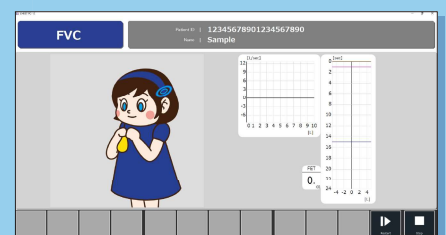- ✓ **Compatible with Windows OS**

▲ FVC

▲ Interpretation

▲ Main menu

▲ Pediatric incentive animations

SpiroMaster PC-12 is a new type of PC-based Spirometer from CHEST that plugs directly into the USB port of your PC. Performing Spirometry tests with SpiroMaster PC-12 is easy and fast thanks to its simple and user-friendly software, yet its powerful algorithm automatically elaborates results and provides comprehensive interpretations. Long term trending graph, incentive animations for pediatric patients, and lung age calculation are also featured.
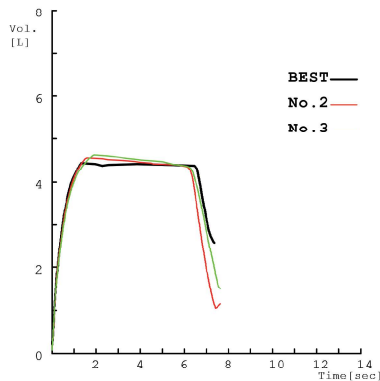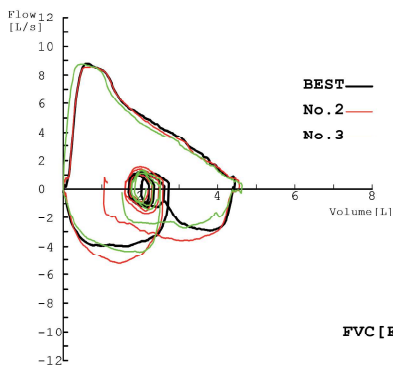
CHEST

Spirometry Report

ID Number	00001		Gender	Male
Name	CHEST		Race	NE Asian
Age	37 Years		Smoking Status	Non-Smoker
Height	170.0 cm		Prediction	GLI 2012 (Adult)
Weight	60.0 kg			GLI 2012 (Pediatric)

Interpretation	
Spirometry	Normal
COPD Classification	
Lung Age	23 (-14)

FEV1.0/FVC

Rest. Normal

75

Mixed Obst.

0   87 100 %FVC
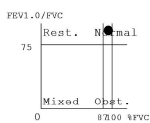
Item	Unit	Pred	BEST		No.2		No.3	
			Meas	%Pred	Meas	%Pred	Meas	%Pred
FVC	L	4.58	4.45	97.2	4.57	99.8	4.64	101.3
FEV1.0	L	3.77	4.15	110.1	4.13	109.5	4.04	107.2
FEV1/FVC	%	82.40	93.25	113.2	90.37	109.7	87.06	105.7
FEF25-75%	L/s	3.81	4.83	126.8	4.48	117.6	4.16	109.2
PEF	L/s		8.77		8.56		8.75	
FEF25%	L/s		8.13		8.06		7.22	
FEF50%	L/s		4.88		4.56		4.18	
FEF75%	L/s	1.69	2.85	168.6	2.43	143.8	2.36	139.6

BEST——
No.2——
No.3

FVC[F/V]

FVC[V/T]

This interpretation is valid only upon physician's review and signature.

Signature _____

CHEST

▲ Print out sample

▲ Image of carrying case

■ Specifications

Flow detection	Lilly type pneumotach sensor
Flow range	+/−0.05 to +/−18L/s
Flow resolution	0.01L/s
Volume detection	Flow integration
Volume range	+/−0.01 to +/−10.0L
Volume resolution	0.01L
Volume accuracy	+/−3% or +/−0.05L, whichever is greater
Power supply	5V(DC) Supply from the USB port of a PC
Dimensions	74.0(W) x 226.8(D) x 87.7(H) mm (excluding USB cable)
Weight	250g
Minimum system Requirements	Microsoft Windows® based PC with USB port CD-Rom drive
Quality assurance	ISO 13485, CE Marking

■ Analyzed items

SVC	SVC, TV, ERV, IRV, IS, SVC/HT,(BD Test)
FVC	FVC, FEV0.5, FEV0.75, FEV1.0, FEV2.0, FEV3.0, FEV6.0, FEV0.5/FVC, FEV0.75/FVC, FEV1.0/FEV6.0, FEV1.0/FVC, FEV2.0/FVC, FEV3.0/FVC, FEV6.0/FVC, FVC/HT, FEV1.0/HT, FET, Extrap V, Extrap V%, PEF, PEF TIME, FEF25-75%, FEF25%, FEF50%, FEF75%, FEF90%, FEF50%/FEF75%, PEF/HT, FEF25%/HT, FEF50%/HT, FEF75%/HT, FEF75-85%, FEF200-1200, MTC75-50, MTC50-25, MTC25-RV, MTCR, OI, ATI, MVV43, FVC+FEV1.0,FEF25-75%/FVC, FIVC, FIV0.5, FIV1.0, FIV1.0/FVC, FIV1.0/FIVC, PIF, FIF50%, FEF50/FIF50, FIF50/FEF50, CVI, FEV1.0/SVC, FEV1.0/SVCpr, FEF25/PEF, FEF50/PEF, FEF75/PEF,(BD Test, Challenge test)
MVV	MVV, TV, R-R, MVV/BSA, AVI,(BD Test)
MV	MV, TV, RR, BR, VR,(BD Test)

■ Standard Accessories

- ・Flow sensor body.....1pc
- ・Flow sensor head 1pc
- ・PC Software （CD Rom） 1pc
- ・Nose clip 2pcs
- ・Spiro-Filter 1pc
- ・Paper mouthpiece 6pcs
- ・Carrying case 1pc
- ・Operation manual................. PDF

CE 0123

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