



Technology in Practice™

Cardiac-05

SpiroCard®





Technology in Practice™

SpiroCard®

Real-time Results

...the spirometer made for your EMR. SpiroCard is the most accurate spirometer on the market. Turn an off-the-shelf computer or handheld into a full-function spirometer.



The SpiroCard is the only system available where everything the patient touches is disposable.

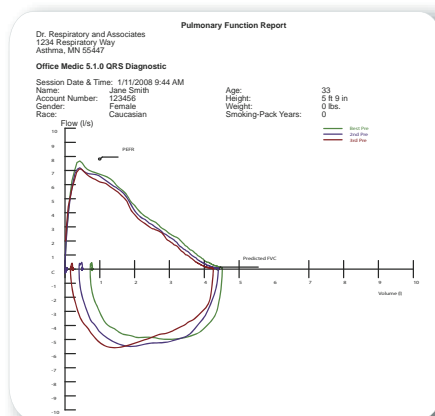
The SpiroCard takes the confusion out of spirometry making it ideal for practices to add spirometry or to replace old equipment:

- Patented pre-calibrated, disposable mouthpiece.
- Easily integrates with EMRs.
- ATS/ERS 2005, BTS-NICE and Enright protocols.
- NHANES III, ERS/ECCS, Wang, 12+ predicted equations.
- Automatic interpretation and test quality messages.

Visit www.QRSdiagnostic.com for Specifications and System Requirements.



Compatible with off-the-shelf laptop, tablet and desktop computers.



Instantly print full page reports on your office paper.



USB adapter included.

- Lung Age calculation.
- Adult/pediatric incentives.
- Overlay tests.
- Create PDFs and JPEGs.

- 25+ user selectable parameters.
- Three-year warranty.
- One-year software upgrades and support.

STANDARD PACKAGE INCLUDES:

- SpiroCard Type II PC Card
- USB Adapter
- Software:
 - Office Medic™ (Seven Languages)
 - IDMS 5-User Networking Software
 - MedicSync™ Synchronization Software
 - Pocket Medic™ Handheld Software

OPTIONAL:

- IDMS Enterprise Edition Unlimited-User Database Software



Also available: SpiroOxCard® combination spirometer and recording pulse oximeter.



Complete mobile diagnostic workstation available from QRS includes: Vitals (BP, SpO2, pulse), ECG, Spirometry and Ultrasound.*



The SpiroCard and SpiroOxCard are CE Marked in accordance with MDD 93/42/EEC.

QRS Diagnostic
 14755 27th Avenue N
 Plymouth, MN, USA 55447
 (800) 465-8408
 +1 (763) 559-8492
 +1 (763) 559-2961 Fax
info@QRSdiagnostic.com
www.QRSdiagnostic.com

Federal law (USA) restricts this device to sale by or on the order of a physician.

SpiroCard, SpiroOxCard, Technology in Practice, Office Medic, MedicSync, Pocket Medic and the QRS logo are trademarks or registered trademarks of QRS Diagnostic. *QRS is a reseller of the InNovaSound USB Ultrasound System.
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Pulse Oximetry Report

Session Date & Time: 9/14/00 9:22 AM

Name: 2 test

Account#:

Sex: Male

Race: Caucasian

Age: 35

Height: 6 ft 2 in

Weight: 0 lbs

Smoking-Pack Years: 0

Summary: Test #1

Recording Duration		Test Summary	
Test Start Time	09:22:42am	%SpO2	Pulse Rate
Test End Time	09:23:12am	High: 97	102 bpm
Total Recording Time:	00:00:30	Mean: 96	96 bpm
Loss of Signal	00:00:00	Low: 96	91 bpm
Sampling Interval:	5 seconds		

Results: Test #1

Time	Elapsed Time	Avg %SpO2	Avg Pulse Rate
09:22:42am	00:00:05	96 L	102 bpm H
09:22:47am	00:00:10	97 H	96 bpm
09:22:52am	00:00:15	97 H	98 bpm
09:22:57am	00:00:20	96 L	93 bpm
09:23:02am	00:00:25	96 L	91 bpm L
09:23:07am	00:00:30	96 L	97 bpm

H = High L = Low :-(= Loss of Signal

Summary: Test #2

Recording Duration		Test Summary	
Test Start Time	09:23:25am	%SpO2	Pulse Rate
Test End Time	09:24:00am	High: 97	96 bpm
Total Recording Time:	00:00:35	Mean: 95	92 bpm
Loss of Signal	00:00:00	Low: 95	87 bpm
Sampling Interval:	5 seconds		

Results: Test #2

Time	Elapsed Time	Avg %SpO2	Avg Pulse Rate
09:23:25am	00:00:05	96	87 bpm L
09:23:30am	00:00:10	96	96 bpm H
09:23:35am	00:00:15	95 L	96 bpm H
09:23:40am	00:00:20	95 L	93 bpm
09:23:45am	00:00:25	96	90 bpm
09:23:50am	00:00:30	97 H	94 bpm
09:23:55am	00:00:35	96	93 bpm

H = High L = Low :-(= Loss of Signal

Pulmonary Function Report

Dr. Respiratory and Associates
123456 Respiratory Way
Asthma, MN 55447

Office Medic 5.1.0 . QRS Diagnostic, LLC

Session Date & Time: 5/16/2008 9:42 AM

Name: Jill Doe
Account Number: 123456789
Gender: Female
Race: Caucasian

Age: 37
Height: 5 ft 9 in
Weight: 0 lbs
Smoking-Pack Years: 0

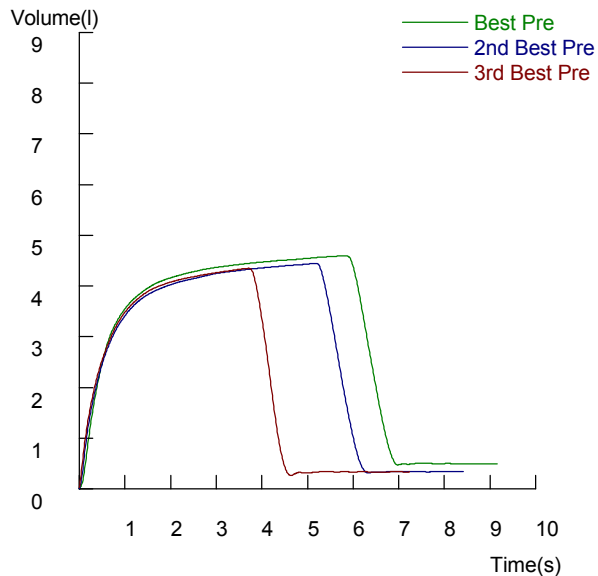
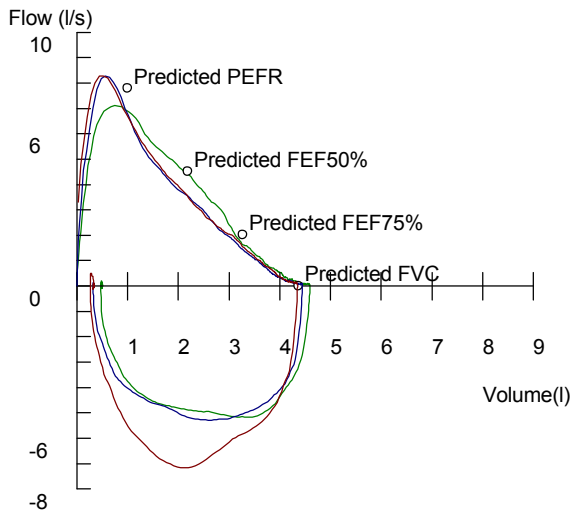
All test results should be evaluated by a qualified physician.

Test Sequence	Pred. (LLN)	Best Pre	% Pred.	2nd Best Pre	% Pred.	3rd Best Pre	% Pred.
FVC (L)	4.36 Nh (3.56)	#3 4.59	105.3%	#5 4.44	101.8%	#2 4.35	99.6%
FEV1 (L)	3.57 Nh (2.89)	3.63	101.7%	3.45	96.7%	3.48	97.6%
FEV1/FVC	0.83 Nh (0.73)	0.79	95.1%	0.78	93.6%	0.80	96.4%
FEV6 (L)	4.29 Nh (3.50)	4.59	107.1%	4.44	103.6%	4.35	101.3%
FEV1/FEV6	0.84 Nh (0.76)	0.79	93.6%	0.78	92.0%	0.80	94.9%
FEV0.5 (L)		2.72		2.54		2.54	
FEV3 (L)		4.37		4.25		4.26	
FEV3/FVC		0.95		0.96		0.98	
PEFR (L/s)	7.80 Nh (5.81)	7.12	91.3%	8.28	106.2%	8.29	106.3%
PEFT (s)		0.17		0.10		0.06	
FEF25% (L/s)	6.32 EC (4.10)	6.60	104.5%	6.09	96.4%	6.30	99.8%
FEF50% (L/s)	4.53 EC (2.72)	4.09	90.2%	3.45	76.2%	3.47	76.7%
FEF75% (L/s)	2.03 EC (0.90)	1.36	66.9%	1.33	65.8%	1.57	77.4%
FEF25-75% (L/s)	3.53 Nh (2.10)	3.32	94.0%	2.92	82.6%	3.14	88.8%
FIVC (L)	3.93 EC (3.24)	4.12	105.0%	4.13	105.1%	4.09	104.1%
FIV0.5 (L)		1.90		2.06		2.58	
FIV1 (L)		3.98		4.04		4.09	
FIV3 (L)		4.12		4.12		4.09	
FIV1/FIVC		0.97		0.98		1.00	
FIV3/FIVC		1.00		1.00		1.00	
PIFR (L/s)		5.17		5.28		7.17	
FIF50% (L/s)		4.96		5.24		7.14	
FIF25-75% (L/s)		4.93		5.02		6.63	
FIF.2-1.2 (L/s)		4.42		4.42		5.12	
FVC/FIVC		1.11		1.08		1.06	
Ext. Vol. (L)		0.15		0.12		0.05	
FET (s)		5.82		5.17		3.71	
EOTV (L)		0.02		0.03		0.06	
Time		9:45 AM		9:46 AM		9:44 AM	
Mouthpiece #		6575-7381		6575-7381		6575-7381	
Physician/Tech							

Best Pre-FVC: 4.59 (L), Best Pre-FEV1: 3.63 (L)

Best Pre-FVC interpretation: Normal spirometry. Lung Age (yrs): 33

Comments: The various report customization options allow you to: enter comments, turn the interpretation on and off, turn the lung age on and off, turn parameters on and off, turn the graphs on and off, etc.



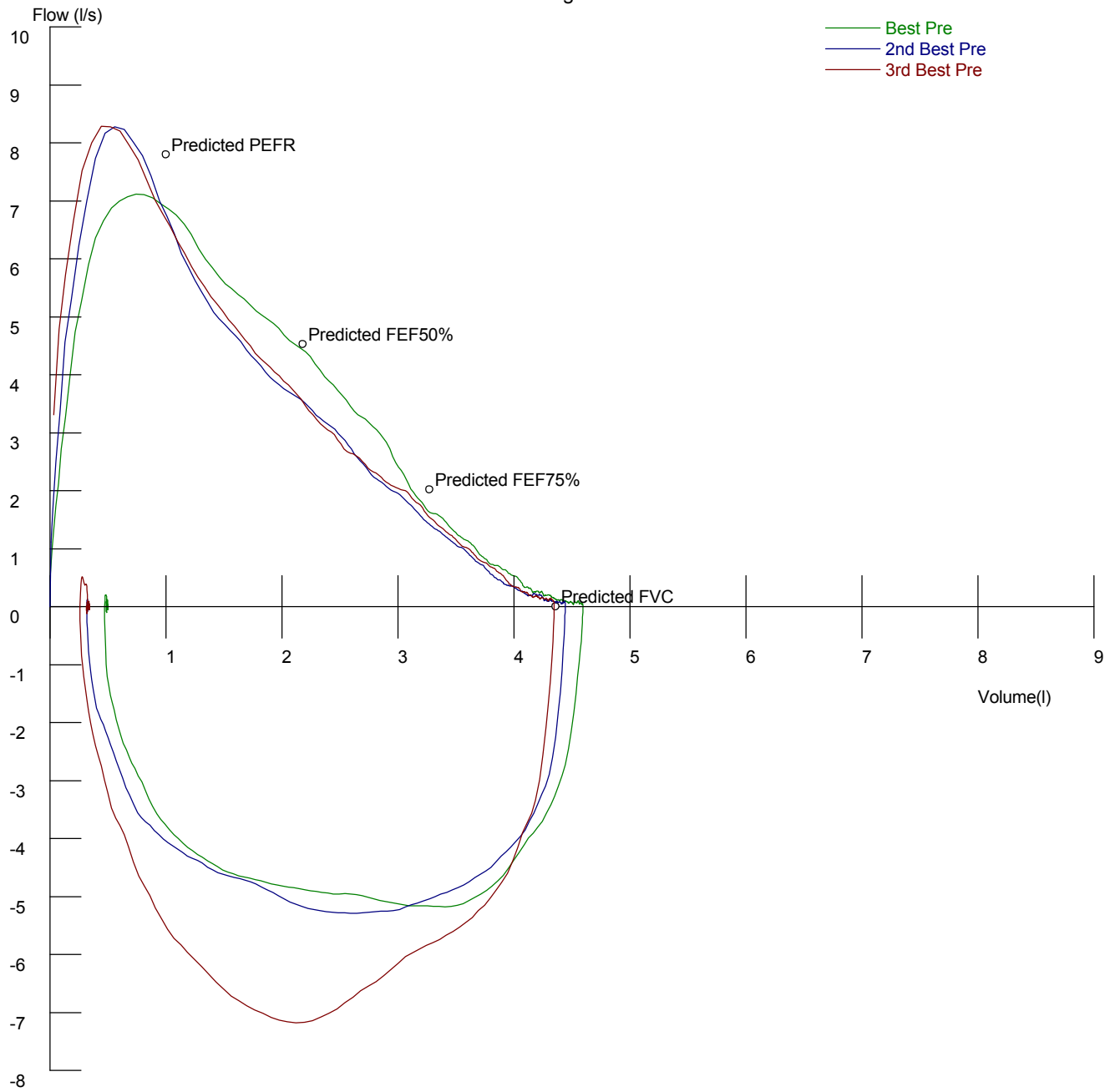
Pulmonary Function Report

Dr. Respiratory and Associates
123456 Respiratory Way
Asthma, MN 55447

Office Medic 5.1.0 . QRS Diagnostic, LLC

Session Date & Time: 5/16/2008 9:42 AM

Name:	Jill Doe	Age:	37
Account Number:	123456789	Height:	5 ft 9 in
Gender:	Female	Weight:	0 lbs
Race:	Caucasian	Smoking-Pack Years:	0



Dr. Respiratory and Associates
123456 Respiratory Way
Asthma, MN 55447

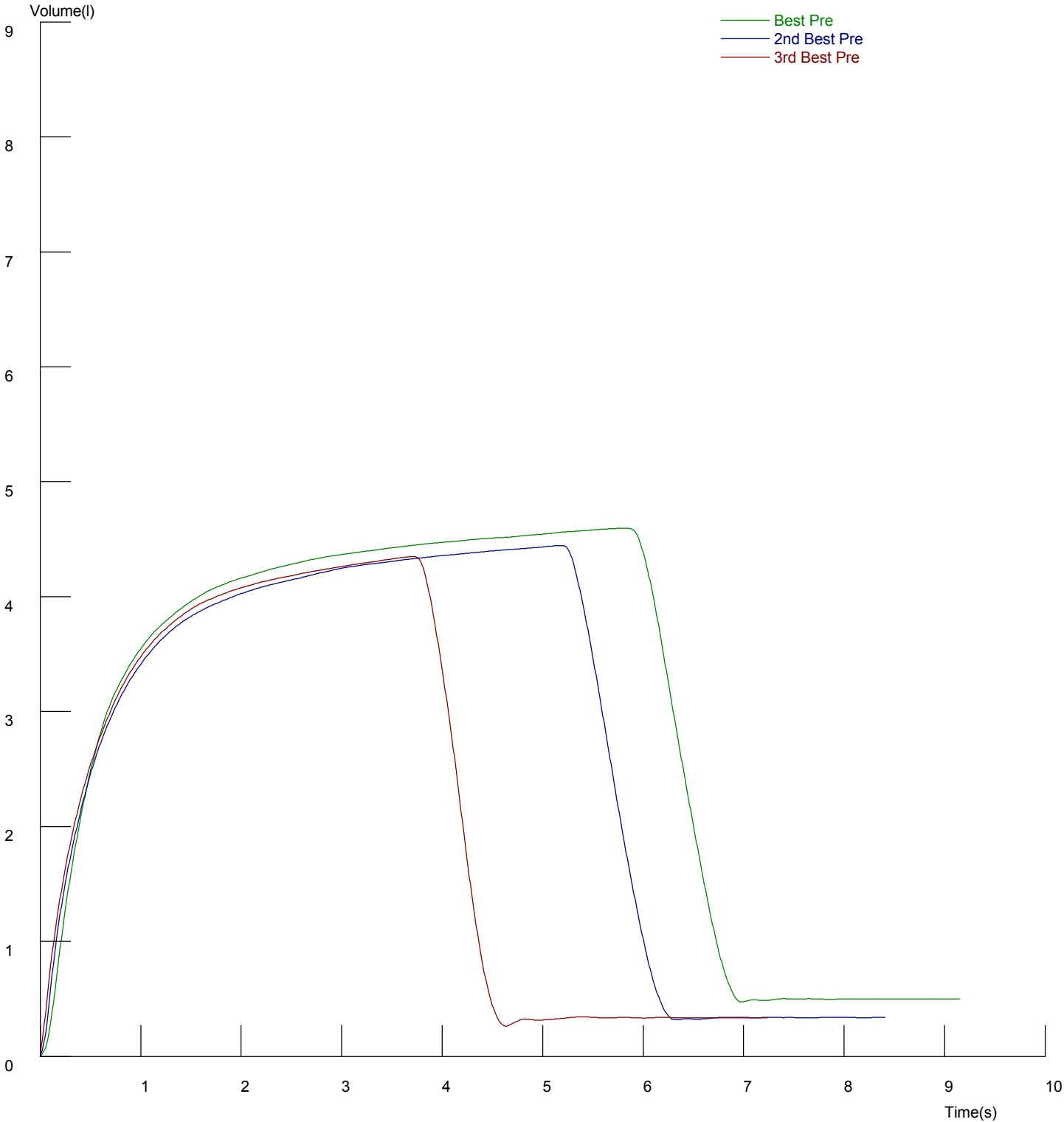
Pulmonary Function Report

Office Medic 5.1.0 . QRS Diagnostic, LLC

Session Date & Time: 5/16/2008 9:42 AM

Name: Jill Doe
Account Number: 123456789
Gender: Female
Race: Caucasian

Age: 37
Height: 5 ft 9 in
Weight: 0 lbs
Smoking-Pack Years: 0



Pulmonary Function Report

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Asthma, MN 55447

Office Medic 5.1.0 . QRS Diagnostic, LLC

Session Date & Time: 5/16/2008 9:42 AM

Name: Jill Doe
Account Number: 123456789
Gender: Female
Race: Caucasian

Age: 37
Height: 5 ft 9 in
Weight: 0 lbs
Smoking-Pack Years: 0

All test results should be evaluated by a qualified physician.

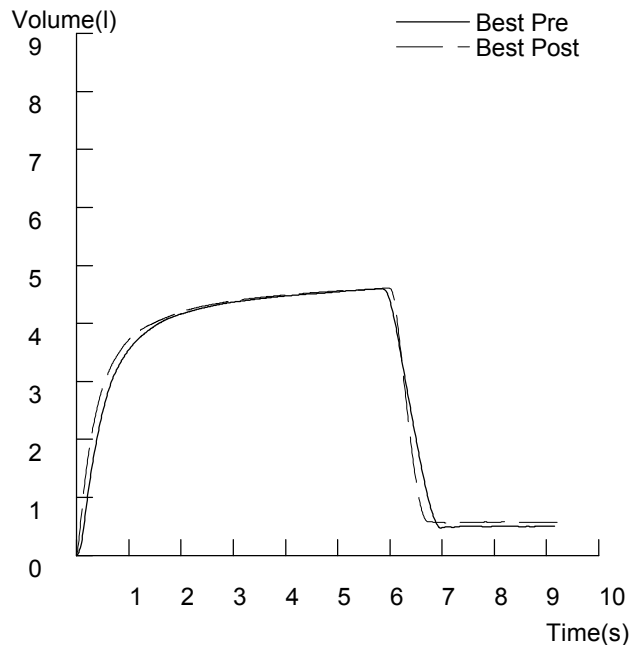
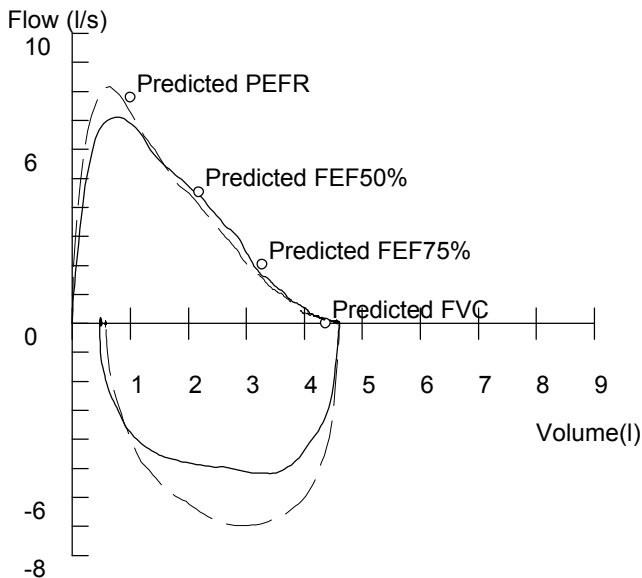
Test Sequence	Pred. (LLN)	Best Pre	% Pred.	Best Post	% Pred.	% Change
FVC (L)	4.36 Nh (3.56)	4.59	105.3%	4.61	105.5%	0.2%
FEV1 (L)	3.57 Nh (2.89)	3.63	101.7%	3.55	99.6%	-2.1%
FEV1/FVC	0.83 Nh (0.73)	0.79	95.1%	0.77	92.8%	-2.4%
FEV6 (L)	4.29 Nh (3.50)	4.59	107.1%	4.56	106.2%	-0.8%
FEV1/FEV6	0.84 Nh (0.76)	0.79	93.6%	0.78	92.4%	-1.3%
FEV0.5 (L)		2.72		2.70		-1.0%
FEV3 (L)		4.37		4.31		-1.4%
FEV3/FVC		0.95		0.94		-1.7%
PEFR (L/s)	7.80 Nh (5.81)	7.12	91.3%	8.16	104.6%	14.7%
PEFT (s)		0.17		0.10		-41.2%
FEF25% (L/s)	6.32 EC (4.10)	6.60	104.5%	6.73	106.5%	1.9%
FEF50% (L/s)	4.53 EC (2.72)	4.09	90.2%	3.79	83.6%	-7.3%
FEF75% (L/s)	2.03 EC (0.90)	1.36	66.9%	1.17	57.9%	-13.5%
FEF25-75% (L/s)	3.53 Nh (2.10)	3.32	94.0%	3.00	85.0%	-9.5%
FIVC (L)	3.93 EC (3.24)	4.12	105.0%	4.04	103.0%	-1.9%
FIV0.5 (L)		1.90		2.65		39.5%
FIV1 (L)		3.98		4.03		1.2%
FIV3 (L)		4.12		4.04		-1.9%
FIV1/FIVC		0.97		1.00		3.2%
FIV3/FIVC		1.00		1.00		0.0%
PIFR (L/s)		5.17		6.96		34.6%
FIF50% (L/s)		4.96		6.84		38.0%
FIF25-75% (L/s)		4.93		6.56		33.0%
FIF 2-1.2 (L/s)		4.42		5.95		34.7%
FVC/FIVC		1.11		1.14		2.2%
Ext. Vol. (L)		0.15		0.11		-21.9%
FET (s)		5.82		7.14		22.7%
EOTV (L)		0.02		0.02		4.3%
Time		9:45 AM		10:09 AM		
Mouthpiece #		6575-7381		6575-7381		
Physician/Tech						

Best Pre-FVC: 4.59 (L), Best Pre-FEV1: 3.63 (L), Best Post-FVC: 4.61 (L), Best Post-FEV1: 3.55 (L)

Best Pre-FVC interpretation: Normal spirometry. Lung Age (yrs): 33

Best Post-FVC interpretation: Normal spirometry. Lung Age (yrs): 38

Comments: The various report customization options allow you to: enter comments, turn the interpretation on and off, turn the lung age on and off, turn parameters on and off, turn the graphs on and off, etc.



Pulmonary Function Report

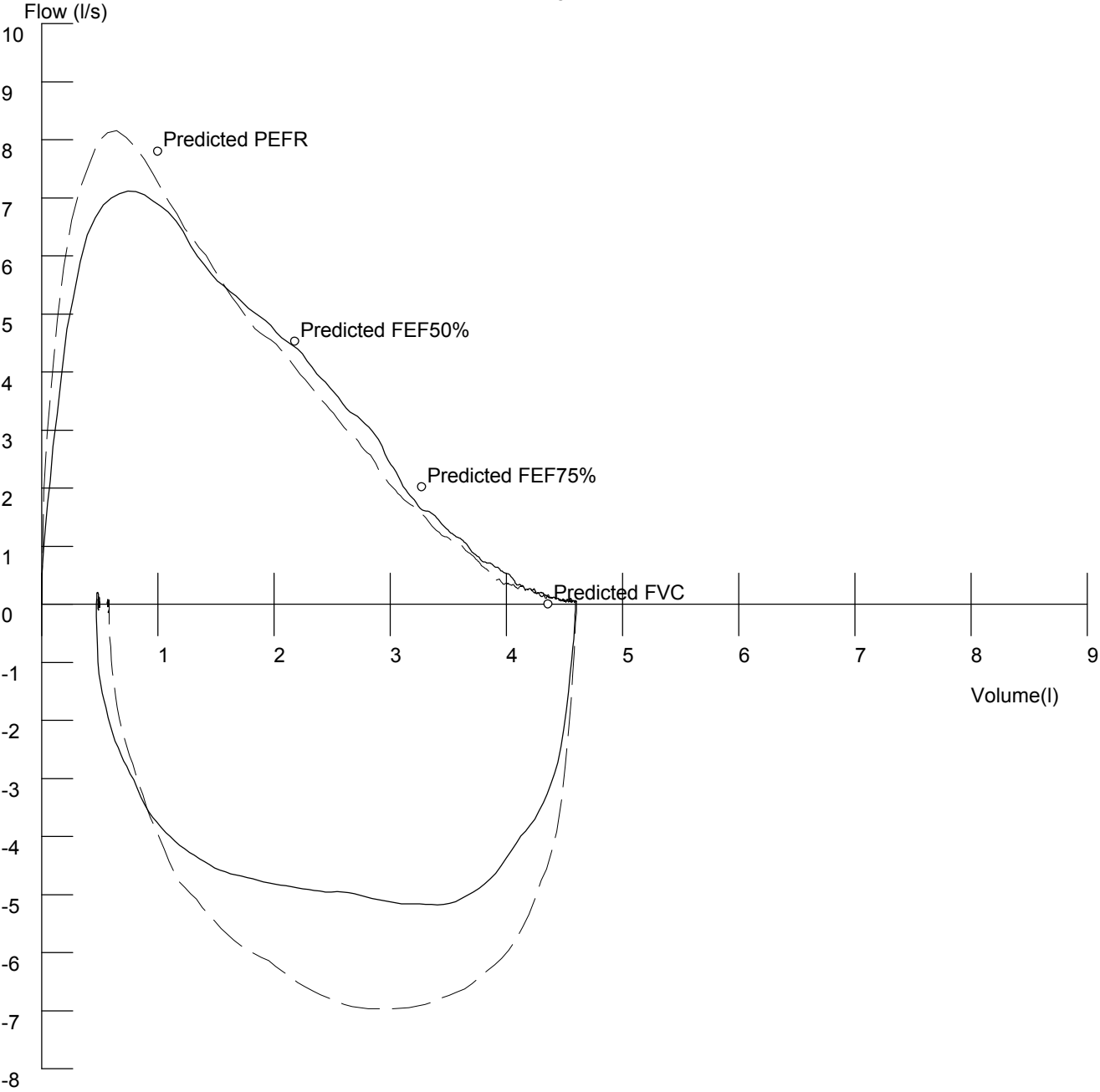
Dr. Respiratory and Associates
123456 Respiratory Way
Asthma, MN 55447

Office Medic 5.1.0 . QRS Diagnostic, LLC

Session Date & Time: 5/16/2008 9:42 AM

Name: Jill Doe
Account Number: 123456789
Gender: Female
Race: Caucasian

Age: 37
Height: 5 ft 9 in
Weight: 0 lbs
Smoking-Pack Years: 0



Dr. Respiratory and Associates
123456 Respiratory Way
Asthma, MN 55447

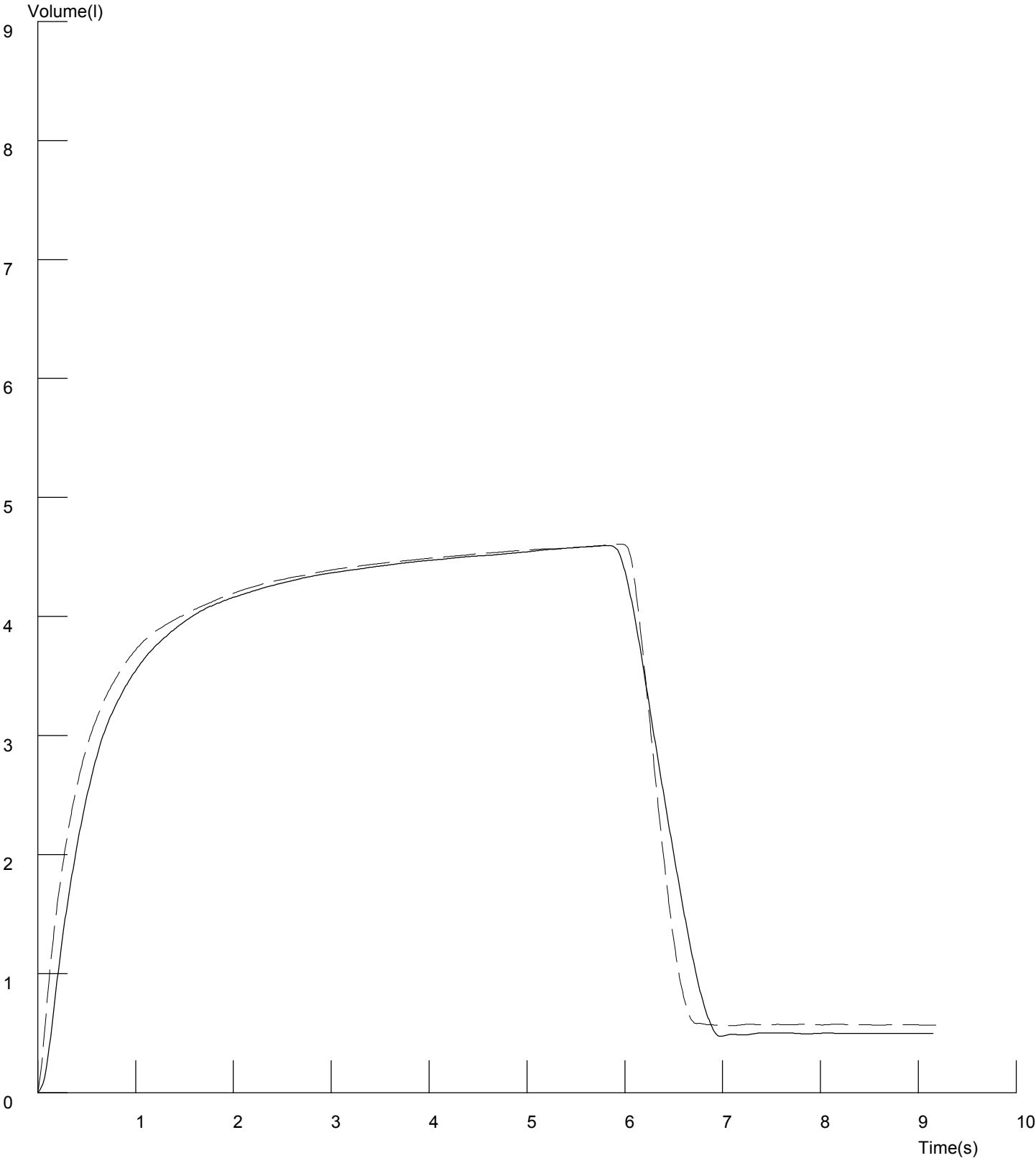
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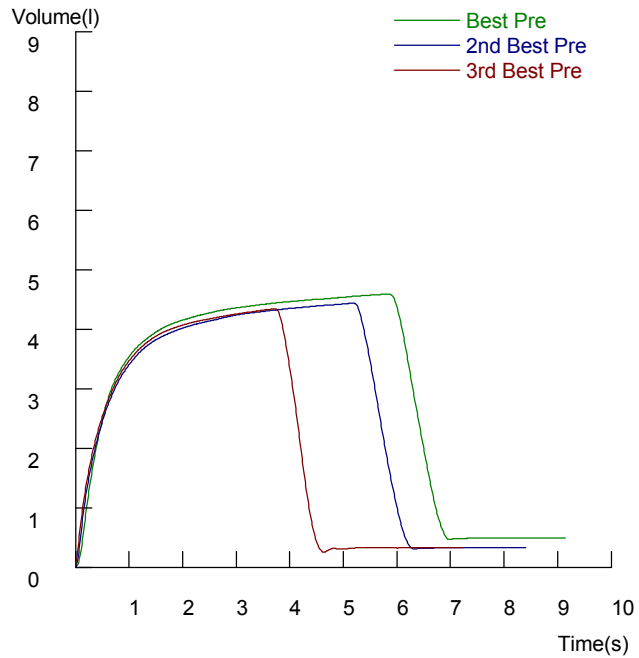
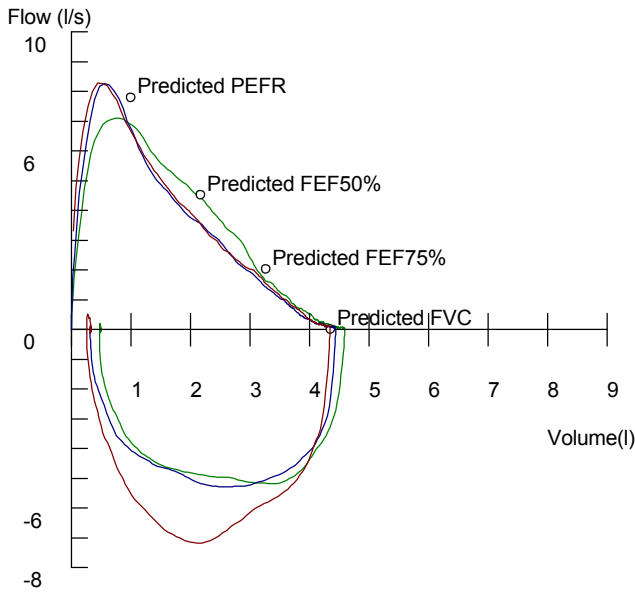
All test results should be evaluated by a qualified physician.

	Pred. (LLN)	Best Pre	% Pred.	2nd Best Pre	% Pred.	3rd Best Pre	% Pred.
Test Sequence		#3		#5		#2	
FEV1 (L)	3.57 Nh (2.89)	3.63	101.7%	3.45	96.7%	3.48	97.6%
FEV6 (L)	4.29 Nh (3.50)	4.59	107.1%	4.44	103.6%	4.35	101.3%
FEV1/FEV6	0.84 Nh (0.76)	0.79	93.6%	0.78	92.0%	0.80	94.9%
Time		9:45 AM		9:46 AM		9:44 AM	
Mouthpiece #		6575-7381		6575-7381		6575-7381	
Physician/Tech							

Best Pre-FVC: 4.59 (L), Best Pre-FEV1: 3.63 (L)

Best Pre-FVC interpretation: Normal spirometry. Lung Age (yrs): 33

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Gender: Female

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All test results should be evaluated by a qualified physician.

	Pred. (LLN)	Best Pre	% Pred.	Best Post	% Pred.	% Change
Test Sequence		#3		#3		
FEV1 (L)	3.57 Nh (2.89)	3.63	101.7%	3.55	99.6%	-2.1%
FEV6 (L)	4.29 Nh (3.50)	4.59	107.1%	4.56	106.2%	-0.8%
FEV1/FEV6	0.84 Nh (0.76)	0.79	93.6%	0.78	92.4%	-1.3%
Time		9:45 AM		10:09 AM		
Mouthpiece #		6575-7381		6575-7381		
Physician/Tech						

Best Pre-FVC: 4.59 (L), Best Pre-FEV1: 3.63 (L), Best Post-FVC: 4.61 (L), Best Post-FEV1: 3.55 (L)

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