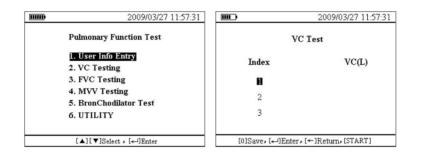
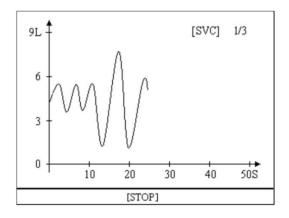
# VC Test

### VC test flow



### VC test comparison screen



### VC test curve screen

· · · · · · · · · · · · · · · · · · ·		2009/03/27	7 11:57:31
N N	/C Test ]	Result	
Para.	Pred.	Meas.	%Pred.
VC[L]:	3.508	2.674	76.2%
TV[L]:		0.953	
ERV[L]:		0.339	
IRV[L]:		1.380	
IC[L]:		2.334	
[START]Ret	est,[←]R	eview,[←]Et	nter

#### VC test results screen

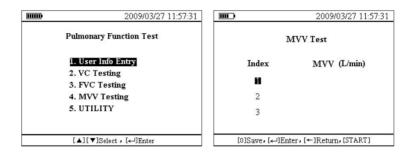
## VC test report

	Patient T	est Data		ID: 0	000000	015 SV	C	2009/08/27	14:04	
				Para	Unit	Pred.	Meas.	%Pred.		
Name:			- N.	VC TV	L L	4. 613	3. 767 0. 501	81.6%		
	000000001			ERV	L		1. 494			
Height:		Age: Weight:	30 yrs 70 kg	IRV IC	L		1. 772 2. 273			
Race: [emp. : Atoms:	Chinese 29 C 760 m	Humi.: mHg	40 %	9∟						[svc]
lest Re	esult:			6 -						
				3	$\sim$	~				
Doctor	:			。	1(	)	20	30	40	50s

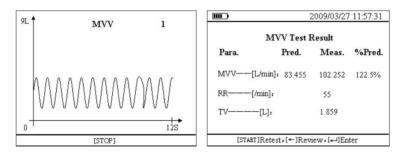
VC test report

## **MVV Test**

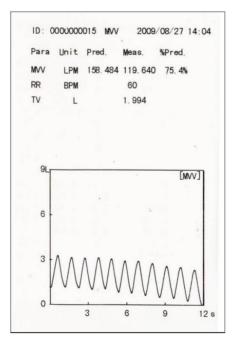
### MVV test flow







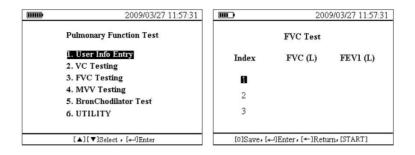
## $\mathsf{MVV}$ Test curve and results $\mathsf{MVV}$ test report

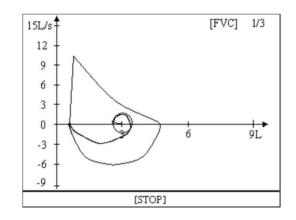


MVV test report

## FVC test

## FVC test flow





FVC test comparison screen

/3	1/	esult	CTest R	FV
d.	%Pred	Meas.	red.	ra. I
%	49.3%	3.240	6.569	'C[L]:
%	71.1%	2.788	3.917	V0.5[L]:
%	54.0%	3.070	5.684	V1.0[L]:
	48.4	3.070	6.348	V3.0[L]:
3%	112.3	94.7%	84.3%	V1.0/G[%]:
		0.0%		V1.0/T——[%]:
		94.7%		V3.0/G[%]:
		0.0%		V3.0/T[%]:

8	Para.	Pred.	Meas.	%Pred.
8	Vext[L]:		0.050	
	EX Time[s]:		6.0	
8	MMF[L/s]:	6.270	6.943	110.7%
	PEF[L/s]:	11.368	7.098	62.4%
6	MEF75[L/s]:	3.481	5.231	150.2%
	MEF50[L/s]:	7.126	7.098	99.6%
	MEF25[L/s]:	10.334	5.702	55.1%
	FIVC[L]:		3.304	
	[▲][▼]P:	age Up ar	nd Down	
_				
	FVC	Test R	.esult	4/4

FVC Test Result

Pred. Meas. %Pred.

2/3

FVC Test Result								
Para.	Pred.	Meas.	%Pred.					
FIV0.5[L]:		1.714						
FIV1.0[L]:		3.304						
FIV1.0/FVC[%]:		101.9%						
FIV1.0/FIVC-[%]:		100.0%						
PIF[L/s]:		7.386						
MIF50%[L/s]:		7.260						

FVC Test Result	4/4
Diagnosis:	
Lung diseases and degree:	
Mild obstruction	
[START]Retest,[▲]Page Up, [←]Et	nter

#### FVC test results

 $\triangle$  Attention **Q** Because one chooses different diagnosis mode in "Mode Setting"

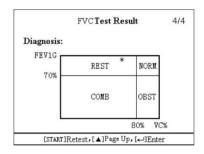
screen, the content and style of FVC test results will vary in fourth page.

Shown as in figure 4-16, the fourth page

is

the diagnosis results in ATS or NIOSH

mode, if the mode is changed to



DIAGNOSIS, the results is like right-hand

figure.

In the figure: NORM means ordinary

REST means restricted type harm

OBST means obstruction type harm;

COMB means composite type harm (restraint +

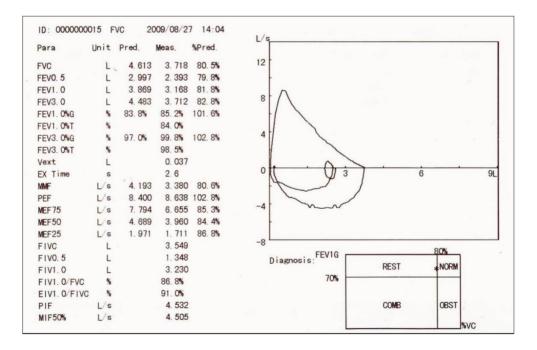
obstruction).

ult, you can't print test report at last.

## FVC test report

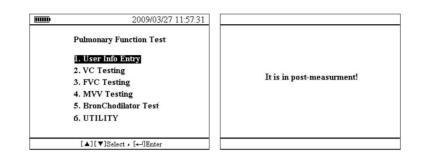
Para	Unit	Pred.	Meas.	%Pred.	
FVC	L	4.613	3.671	79.5%	12
FEV0. 5	L	2,997	2,446	81.6%	
FEV1. 0	L	3, 869	3.202	82. 7%	
FEV3. 0	L	4. 483	3.644		8 / \
FEV1. 0%G	5	83.8%	87.2%	104.0%	
FEV1. 0%T	%		0.0%		
FEV3. 0%G	%	97.0%	99.2%	102.2%	4
FEV3. 0%T	%		0.0%		
Vext	L		0.063		
EX Time	S		2.1		0 0 3 6
MMF	Ls	4. 193	3.671	87. 5%	
PEF	L's	8.400	9.094	108.2%	
MEF75	Ls	7.794	7.059	90. 5%	-4
MEF50	L/s	4. 689	4. 543	96.8%	
MEF25	Ls	1.971	1.884	95. 5%	
FIVC	L		3. 337		-8
FIVO. 5	L		1.514		Diagnosis
FIV1.0	L		3. 222		
FIV1. 0/FVC	%		87.7%		Lung diseases and degree:
EIV1. 0/FIVC	%		96. 5%		Normal
PIF	L/s		4.943		
MIF50%	Ls		4.933		

### One style of FVC report



Second style of FVC report

*SpirOx pro* Hillinton Spirometers



#### Post mode

		2009/03	/27 11:57:31
	VC Test	Post	
Para.	Pre.	Post.	%Pre.
VC[L]:	2.700	2.501	92.6%
TV[L]:	0.511	0.449	87.8%
ERV[L]:	1.022	0.94	91.9%
IRV[L]:	1.167	1.112	95.2%
IC[L]:	1.678	1.561	93.0%
[START]Ret	est,[←]R	leview,[←	]Enter

### SVC results in post-measurement

<b>IIII</b> )			2009/03/	27 11:57:31
	М	VV Tes	tPost	
Para.		Pre.	Post.	%Pre.
MVV—	-[L/min]:	69.521	61.061	87.8%
RR——	-[/min]:	48	57	118.7%
TV——	——[L]:	1.448	1.071	73.9%
r	START]Rete	at. [+ 10.	amiant - F. (	Feter

### MVV results in post-measurement

	FVC		1/4		FVC		2/4
Para.	Pre.	Post.	%Pre.	Para.	Pre.	Post.	%Pre.
FVC[L]:	2.671	2.493	93.3%	Vext[L]:	0.078	0.053	67.9%
FEV0.5[L]:	1.753	1.751	99.8%	EX Time[s]:		1.7	70.8%
FEV1.0[L]:	2.276	2.247	98.7%	MMF[L/s]:		2.991	108.2%
EV3.0[L]:	2.616	2.463	94.1%	PEF[L/s]:	5.577	5.399	96.8%
EV1.0/G[%]:	85.2%	99.8%	105.7%	MEF75[L/s]:	4.986	5.091	102.1%
EV1.0/T[%]:	84.2%	89.8%	106.6%	MEF50[L/s]:	3.359	3.536	105.2%
EV3.0/G[%]:	97.9%	98.7%	100.8%	MEF25[L/s]:	1.437	1.608	111.8%
EV3.0/T[%]:	96.8%	98.4%	101.6%	FIVC[L]:	2.494	2.392	95.9%
[←]F	Return .[ W	]Next		[4][¥	]Page U	p and Down	n

3/4

FVC Test Result

4/4

FVC

			T. A.	-		514			rvcrest	ream		4/4				
	Para.		Pre			%Pre.	D	iagnosis:								
	FIV0.5	[L]	: 1.01	2 0.7	69	75.9%		0	eases and de	moor						
	FIV1.0-	[L]	: 2.08	4 2.04	44	98.0%		0		gree:						
	FIV1.0/F	VC[%	]: 78.0	% 81.	9%	105.0%		Mild o	bstruction							
	FIV1.0/F	IVC[%]	: 83.5	% 85.	4%	102.2%	In	nproveme	ent (Post):							
	PIF	[L/s	]: 2.64	1 2.6	35	99.7%		No impro	wed							
	MIF50%-	[L/s	]: 2.34	4 2.0	11	111.3%		rio mipro	, red							
-		[▲][▼]	PageU	Jp and D	own			[START]	Retest,[▲]Pa	ge Up, [	←]Ente	er	-			
													_			
Patient Test Data				015 SV(	С	2009/08/2	14:0	7		ID: 0	0000000	015 MV	2009	/08/27 1	4:07	
		Para	Unit	Pred.	Meas,	%Pred.	Post.	%Pre.		Para	Unit	Pred.	Meas.	%Pred.	Post.	%Pre.
Name :		VC	L	4.613	3. 767	81.6%		106. 5%		MVV	LPM	158.484	4 119.640	75. 4%	107.600	89. 9%
2009/08/27 14:07		TV	L		0. 501		0.856	170.8%		RR	BPM		60		49	81.6%
ID No. : 0000000015		ERV	L		1. 494		1.569	105.0%		TV	L		1.994		2.196	110.1%
Gender: Male Age: 30	yrs	IRV	L		1. 772		1. 590	89. 7%								
Height: 170 cm Weight: 70	kg	IC	L		2.273		2.446	107. 6%								
Race: Chinese																
Temp.: 29 C Humri.: 40	5	94						[ava]		9Lr		_				
Atoms: 760 mmHg								[svc]						Emv	VJ	
Test Result:		6								6 -						
				á	١											
		3		n li	1					3	Aini	AA	MAAA			
		faira	join	ant	Ī					/	11/11/	1/1/		AA	A	
		0			51					Í	VV .N	in fi	A N'N M	VVV	1	
										0 L			. 1			

### Post-measurement report part 1

Para	Unit	Pred.	Meas.	%Pred.	Post.	%Pre.	L/s
FVC	L	4.613	3.671	79.5%	3. 777	102.8%	12
FEV0. 5	L	2.997	2.446	81.6%	2.387	97. 5%	
FEV1. 0	L	3.869	3.202	82. 7%	3.150	98. 3%	A
FEV3. 0	L	4. 483	3.644	81.2%	3. 715	101.9%	8 / 1
FEV1. 0%G	%	83. 8%	87.2%	104.0%	83. 3%	95. 5%	
FEV1. 0%T	5		0.0%		0.0%		
FEV3. 0%G	5	97.0%	99. 2%	102.2%	98. 3%	99. 0%	4
FEV3. O%T	\$		0.0%		0.0%		
Vext	L		0.063		0.042	66. 6%	
EX Time	s		2.1		3.6	171.4%	0 0 3 0 6
MMF	Ls	4.193	3.671	87. 5%	3.237	88.1%	
PEF	Ls	8.400	9.094	108.2%	8.807	96. 8%	
MEF75	Ls	7.794	7.059	90. 5%	6. 631	93. 9%	-4
MEF50	Ls	4. 689	4. 543	96. 8%	3.996	87. 9%	-
MEF25	Ls	1.971	1.884	95. 5%	1.536	81. 5%	
FIVC	L		3. 337		3. 486	104.4%	-8
FIV0. 5	L		1. 514		1.141	75. 3%	Diagnosis:
FIV1.0	L		3. 222		2.830	87.8%	
FIV1. 0/FVC	%		87. 7%		74.9%	85. 4%	Lung diseases and degree:
EIV1. 0/FIVC	%		96. 5%		81.1%	84. 0%	Normal
PIF	L/s		4.943		3.843	77. 7%	
MIF50%	Ls		4.933		3. 628	73. 5%	Improvement (Post) : No improved

Post-measurement report part 2

*SpirOx pro* Hillinton Spirometers

Para	Unit	Pred.	Meas.	%Pred.	Post.	%Pre.	L/s
FVC	L	4. 613	3. 718	80. 5%	4. 020	108.1%	12
FEV0. 5	L	2.997	2. 393	79.8%	2. 537	106.0%	
FEV1. 0	L	3.869	3.168	81.8%	3.270	103.2%	
FEV3. 0	L	4. 483	3. 712	82.8%	3.888	104. 7%	8 / / \
FEV1. 0%G	%	83.8%	85. 2%	101.6%	81.3%	95. 4%	
FEV1. 0%T	%		84.0%		81.4%	96. 9%	
FEV3. 0%G	%	97.0%	99.8%	102.8%	96. 7%	96.8%	4
FEV3. 0%T	. %		98. 5%		96.8%	98.2%	
Vext	Ĺ		0.037		0.053	143.2%	
EX Time	S		2.6		4.5	173.0%	0 1 3 7 6
MMF	Ls	4. 193	3. 380	80. 6%	3. 547	104.9%	
PEF	L/s	8. 400	8.638	102.8%	8.745	101.2%	
MEF75	L/s	7. 794	6.655	85. 3%	7.697	115.6%	-4 minster
MEF50	Ls	4. 689	3.960	84. 4%	4.011	101.2%	-
MEF25	L/s	1.971	1.711	86.8%	1.452	84.8%	
FIVC	L		3. 549		3.602	101.4%	-8
FIV0. 5	L		1.348		0.965	71.5%	Diagnosis: FEV1G 80%
FIV1.0	L		3.230		2.914	90. 2%	
FIV1. 0/FVC	%		86.8%		72.4%	83. 4%	70%
EIV1. 0/FIVC	%		91.0%		80. 8%	88. 7%	
PIF -	L/s		4. 532		4. 547	100.3%	COMB OBST
MIF50%	L/s		4. 505		4.146	92.0%	

Post-measurement report part 3