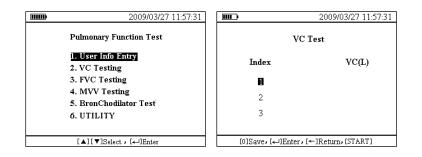
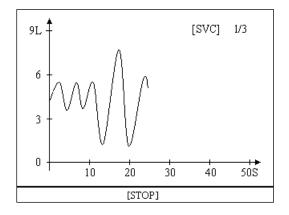
# VC Test

## VC test flow



### VC test comparison screen



## VC test curve screen

		2009/03/27	7 11:57:31
v	'C Test I	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]Rete	est,[←]Re	eview,[←]Er	nter

### VC test results screen

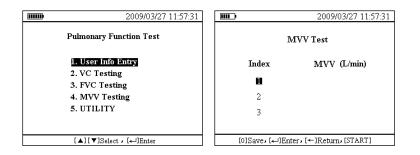
# VC test report

	Patier	nt Test Data					015 SV		2009/08/27		
					Para	Unit	Pred.	Meas.	%Pred.		
ame				- S.,	VC	L	4. 613	3. 767	81.6%		
000	08/27 14				TV	L		0. 501			
	b. : 000000				ERV	L		1.494			
	er: Male		30 yr		IRV	L		1.772			
					IC	L		2.273			
	nt: 170 cm : Chines		10 1	18							
Race	Grines	be			01						
emp.	: 29 0	) Humi.:	40 %	6	94						[SVC]
Atom	s: 76	60 mmHg									
-					6						1.1
est	Result:				10						
					3		1				1.1
					۰[.		1	-			
					FV	$\sim$	$\sim$				- ar
					0			V			
Doct	or ·				U	10	) (	20	30	40	50

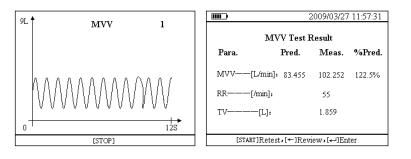
VC test report

## **MVV** Test

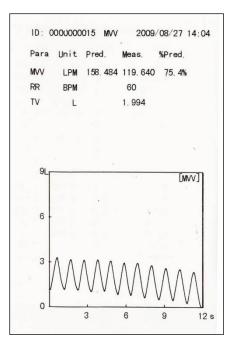
## MVV test flow







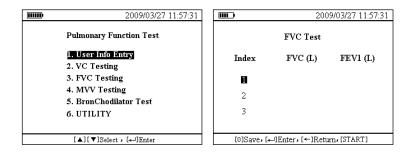
## $\ensuremath{\mathsf{MVV}}$ Test curve and results $\ensuremath{\mathsf{MVV}}$ test report

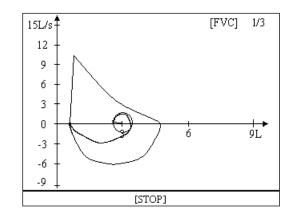


**MVV** test report

## **FVC test**

## FVC test flow





### FVC test comparison screen

#### FVC test curve

FVC	Test Ro	esult	1/3	FVC Te	st Result
a. Pr	ed.	Meas.	%Pred.	Para. P	red. Meas
C[L]: 6	6.569	3.240	49.3%	Vext[L]:	0.050
EV0.5[L]: 3	3.917	2.788	71.1%	EX Time[s]:	6.0
EV1.0[L]: 4	5.684	3.070	54.0%	MMF[L/s]: 6	6.270 6.943
EV3.0[L]: 6	6.348	3.070	48.4	PEF[L/s]: 11	1.368 7.098
EV1.0/G[%]:	84.3%	94.7%	112.3%	MEF75[L/s]: 3	3.481 5.231
EV1.0/T-[%]:		0.0%		MEF50[L/s]: 7	7.126 7.098
EV3.0/G——[%]:		94.7%		MEF25[L/s]: 10	0.334 5.702
EV3.0/T[%]:		0.0%		FIVC[L]:	3.304
[←]Re	turn [ 🔻 ]	blest		[ <b>▲</b> ][▼]Page	The and Derm
L - 11(c	stattist + 1	INCAL		r = ir + ir ago	soband Down
1. 110		INCAL			e op and Down
	CTest R		3/3		est Result
	C <b>Test R</b>	lesult	3/3 <b>%Pred.</b>	FVCT	-
FV( <b>Para.</b>	CTest R Pred.	lesult Meas.		FVCT	est Result
FVC <b>Para.</b> FIV0.5———[L]:	C Test R Pred.	<b>Meas.</b> 1.714		FVCT	est Result
FVC Para. FIV0.5[L]: FIV1.0[L]:	CTest R Pred.	<b>Lesult</b> <b>Meas.</b> 1.714 3.304		FVCT	est Result degree:
FVC <b>Para.</b> FIV0.5———[L]:	CTest R Pred.	<b>Meas.</b> 1.714		FVCT Diagnosis: Lung diseases and	est Result degree:
FVC Para. FIV0.5[L]: FIV1.0[L]:	CTest R Pred.	<b>Lesult</b> <b>Meas.</b> 1.714 3.304		FVCT Diagnosis: Lung diseases and	est Result degree:
FVC Para. FIV0.5[L]: FIV1.0[L]: FIV1.0/FVC[%]:	CTest R Pred.	<b>Eesult</b> <b>Meas.</b> 1.714 3.304 101.9%		FVCT Diagnosis: Lung diseases and	est Result degree:

### FVC test results

[START]Retest,[▲]Page Up, [←]Enter

[START]Retest,[▲]Page Up, [←]Enter,[0]Save,[PRINT]

 ${}^{\rm A}$  Attention  ${f Q}$ : Because one chooses different diagnosis mode in "Mode Setting"

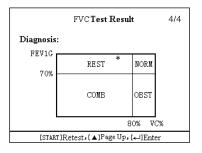
screen, the content and style of FVC test results will vary in fourth page.

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 +

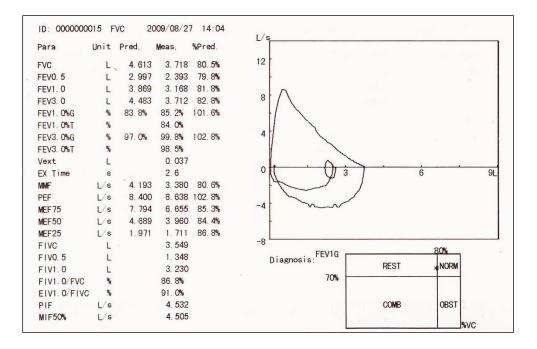
obstruction).

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

## FVC test report

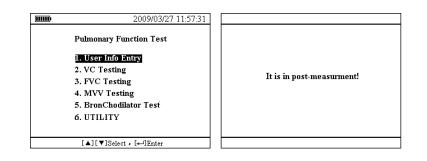
Para	Unit	Pred.	Meas.	%Pred.	
FVC	L	4.613	3.671	79. 5%	12
FEV0. 5	L	2.997	2.446	81.6%	
FEV1. 0	L	3.869	3.202	82. 7%	$\land$
FEV3. 0	L	4. 483	3.644	81.2%	8 / /
FEV1. 0%G	%	83.8%	87. 2%	104.0%	
FEV1. 0%T	%		0.0%		
FEV3. 0%G	%	97.0%	99.2%	102.2%	4 []
FEV3. 0%T	%		0.0%		
Vext	L		0.063		
EX Time	S		2.1		0 0 3 6
MMF	L/s	4.193	3.671	87.5%	
PEF	L/s	8.400	9.094	108.2%	
MEF75	L/s	7.794	7.059	90. 5%	-4
MEF50	L/s	4. 689	4. 543	96.8%	
MEF25	L/s	1.971	1.884	95. 5%	
FIVC	L		3. 337		-8
FIV0. 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%	L/s		4, 933		

### One style of FVC report



Second style of FVC report

## SpirOx pro Meditech Spirometers



#### Post mode

<u> </u>		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]Rete	st,[←]R	.eview,[←	lEnter

### SVC results in post-measurement

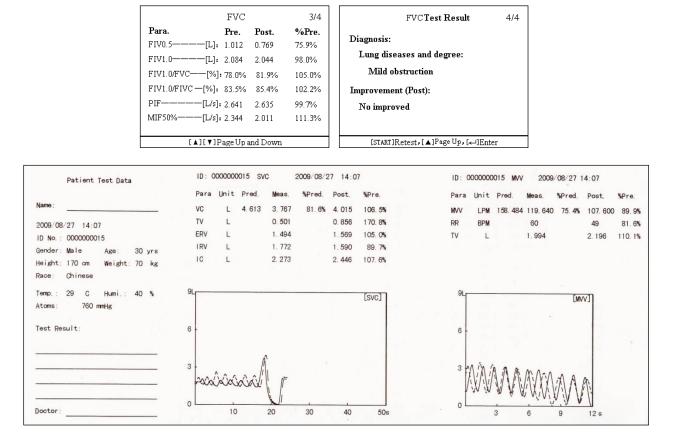
<b></b>		2009/03/	27 11:57:31
	MVV Tes	tPost	
Para.	Pre.	Post.	%Pre.
MVV——[L/m	nin]: 69.521	61.061	87.8%
RR[/mi	n]: 48	57	118.7%
TV[L	<b>]:</b> 1.448	1.071	73.9%
[START]F	Retest,[←]Re	eview,[←	lEnter

## MVV results in post-measurement

	FVC	_	1/4	[		FVC	
Para.	Pre.	Post.	%Pre.		Para.	Pre.	Post.
FVC[L]:	2.671	2.493	93.3%		Vext[L]:	0.078	0.053
FEV0.5[L]:	1.753	1.751	99.8%		EX Time[s]:	2.4	1.7
FEV1.0[L]:	2.276	2.247	98.7%		MMF[L/s]:	2.763	2.991
FEV3.0[L]:	2.616	2.463	94.1%		PEF[L/s]:	5.577	5.399
FEV1.0/G[%]:	85.2%	99.8%	105.7%		MEF75[L/s]:	4.986	5.091
FEV1.0/T[%]:	84.2%	89.8%	106.6%		MEF50[L/s]:	3.359	3.536
FEV3.0/G[%]:	97.9%	98.7%	100.8%		MEF25[L/s]:	1.437	1.608
FEV3.0/T[%]:	96.8%	98.4%	101.6%		FIVC[L]:	2.494	2.392
[←]F	Return , [ 🖲	]Next		ł	[▲][▼	1Page U	p and Dow

MEDITECH -

## SpirOx pro Meditech Spirometers



#### 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
FEVO. 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 / /
FEV1. 0%G	%	83.8%	87.2%	104.0%	83. 3%	95. 5%	
FEV1. O%T	%		0.0%		0. 0%		
FEV3. 0%G	%	97.0%	99. 2%	102.2%	98. 3%	99. 0%	4
FEV3. 0%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 6
MMF	L/s	4. 193	3.671	87.5%	3. 237	88.1%	
PEF	L/s	8.400	9.094	108.2%	8.807	96.8%	
MEF75	Us	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
F1V0. 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	Ls		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* Meditech Spirometers

Para	Unit	Pred.	Meas.	%Pred.	Post.	%Pre.	L/s
FVC	Ĺ	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%	<b>A</b> >
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	L/s	4. 193	3. 380	80. 6%	3. 547	104.9%	the li
PEF	Ls	8. 400	8.638	102.8%	8.745	101.2%	
MEF75	L/s	7. 794	6.655	85. 3%	7.697	115.6%	-4 min
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
FIV1.0	L		3.230		2.914	90. 2%	REST 4NORM
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