

Vitalograph[®]



COPd-6[™] COPD Screener



Guide for Healthcare Professionals

Prepare Device

- 1  Switch on.



- 2 Set test subject's age.

Press  or 
to change age.

Press  to set.



- 3 Set test subject's height in inches.

Press  or 
to change height.

Press  to set.



- 4 Set test subject's gender.

Press ▲ or ▼
to change gender.

Press ← to set.



- 5 Set test subject's population group.

Press ▲ or ▼
to change
population
group.

Press ← to set.



Letter	Population Group	Ref
c	Caucasian	NHANES III
AA	African-American	NHANES III
HA	Mexican-American	NHANES III

Perform Test

- 1 Insert disposable SafeTway mouthpiece.

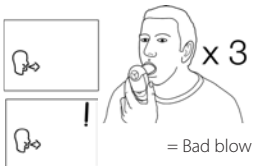



- 2 Demonstrate to test subject.

- ▼ Fully breathe in, hold...
- ▼ Insert and lightly bite the mouthpiece
- ▼ Then blow as hard as possible for 6 seconds



- 3 Repeat blow 2 more times.

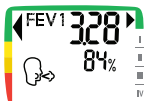


- 4 Press  to show best test.

Test Result

Normal

Arrows always show best test...

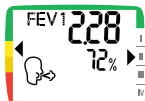


Negative:

- ▼ Spirometry not required
- ▼ COPD classification green

Possible COPD

Arrows always show best test...

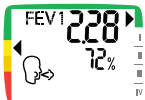


Positive:

- ▼ Refer for spirometry
- ▼ COPD classification I to IV

Possible Restriction

Arrows always show best test ...



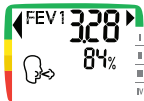
Obstructive Index Low:

- ▼ Refer for spirometry
- ▼ COPD not likely

View Parameters

- 1 Display shows FEV₁ and % of predicted.

*Displays numbers for each blow until
← pressed...*



- 2 Press ▲ to show FEV₆, FEV₁/FEV₆ ratio, % of predicted and estimated lung age.



- 3 ⓘ for 3 seconds to switch off.

Cleaning and disinfecting

The outer surfaces should be cleaned every week, more often if necessary. The use of a disposable disinfecting wipe is recommended, with special attention to the mouthpiece area.

FEV ₁ % Predicted	Obstruction Index	COPD Classification	FEV ₁ /FEV ₆ Ratio and FEV ₁ % Predicted
≥80%	0	Normal	$\overline{\text{FEV}}_1/\overline{\text{FEV}}_6 \geq 0.7$
<80%	1	Stage I	$\overline{\text{FEV}}_1/\overline{\text{FEV}}_6 < 0.70$ & $\overline{\text{FEV}}_1 \geq 80\%$ Pred.
<50%	2	Stage II	$\overline{\text{FEV}}_1/\overline{\text{FEV}}_6 < 0.70$ & $\overline{\text{FEV}}_1 < 80\%$ Pred.
<30%	3	Stage III	$\overline{\text{FEV}}_1/\overline{\text{FEV}}_6 < 0.70$ & $\overline{\text{FEV}}_1 < 50\%$ Pred.
		Stage IV	$\overline{\text{FEV}}_1/\overline{\text{FEV}}_6 < 0.70$ & $\overline{\text{FEV}}_1 < 30\%$ Pred.

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