



# Quick Reference Guide

## IQspiro™ Digital Spirometer

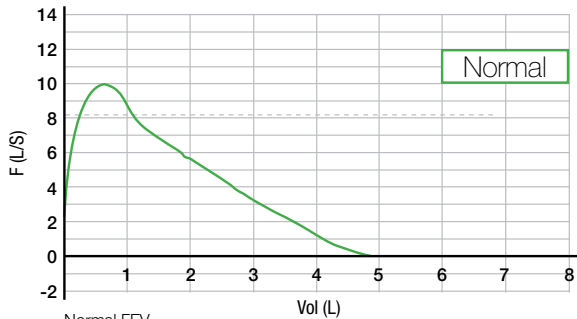


- 1 In IQmanager™ – **Select** a patient from Patient List – or select New Patient and enter demographics and vitals. (Patient’s race, date of birth, sex, and height must be entered.)
  - 2 **Select** New Test button.
  - 3 **Select** Spirometer button, enter the Technician, Physician, Indication, and Profile. **Select** OK.
  - 4 **Prepare** the patient for the spirometer test. **NOTE:** *Proper patient prep results in fewer repeat maneuvers.*
    - a. Explain the purpose of spirometry procedure – to determine how hard and fast air can be exhaled.
    - b. Stress proper posture including shoulders back, chin up (not leaning forward during exhalation).
    - c. Coach patient to inhale maximally and quickly place mouthpiece in the mouth and seal the lips.
    - d. BLAST out the air upon exhalation (for 6 seconds).
    - e. Demonstrate procedure.
  - 5 **Insert** a new mouthpiece in the IQspiro™.
  - 6 **Apply** noseclip. **Instruct** patient to hold the IQspiro™ up and to the side of their face.
  - 7 **Click on** “Start New Test”. Wait for device to zero.
  - 8 **Begin** test.
    - a. Coach patient to inhale maximally and quickly place mouthpiece in the mouth and seal the lips.
    - b. BLAST out the air upon exhalation (for 6 seconds). Adjust posture if necessary.
- NOTE:** *Obtain three good maneuvers (with two matching). Do not exceed eight maneuvers in one session.*
- 9 **Click** Save Review button to save session and display review screen.
  - 10 **Eject** mouthpiece in trash receptable once all maneuvers are completed.

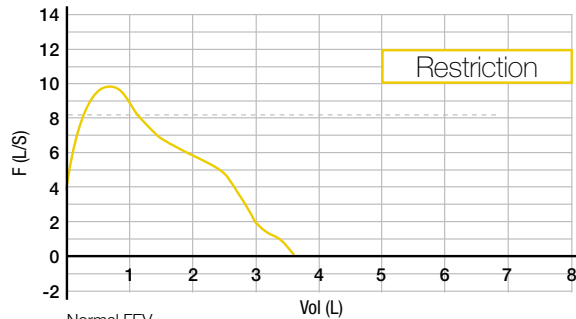
Please refer to the IQspiro™ Operation Manual for further details and troubleshooting tips.



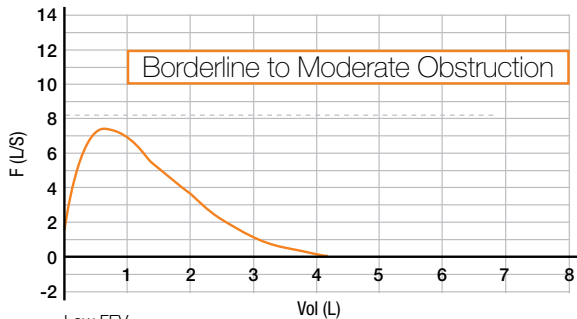
# Examples of Normal, Restrictive and Obstructive Flow-Volume curves



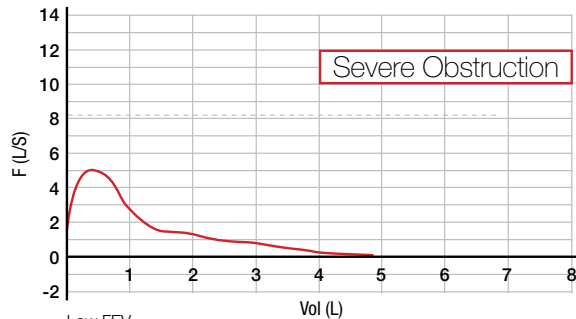
Normal  $FEV_1$   
Normal PEF  
Normal FVC  
Normal  $FEV_1 / FVC$  % (~75%)



Normal  $FEV_1$   
Normal PEF  
Low FVC  
Normal  $FEV_1 / FVC$  % (> 80%)



Low  $FEV_1$   
Low PEF  
Normal FVC  
Low  $FEV_1 / FVC$  % (< 70%)



Low  $FEV_1$   
Low PEF  
Normal FVC  
Low  $FEV_1 / FVC$  % (< 50%)