VYNTUS™ QUICK GUIDE

JAEGER

Forced Spirometry Workflow Quick Guide

Vyntus™ SPIRO, Vyntus™ ONE, Vyntus™ ONE-PFT, Vyntus™ ONE-DL, Vyntus™ BODY, Vyntus™ CPX

1. Select the measurement program "**Spirometry**" (Either from the Home Page or a Measurement program)



2. Select "**Forced Spirometry**" in the drop-down menu (if needed)
   Preparation: Verbally explain measurement to patient and/or give demonstration



3. Click **<F1> "Start"** to start the measurement

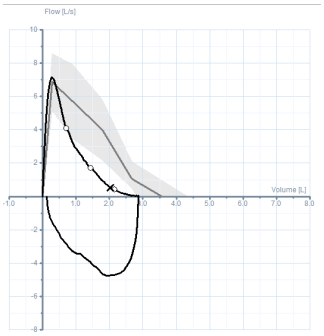






4. Connect the patient to the breathing circuit with a MicroGard™ filter and nose clip

5. Perform the **Forced Spirometry** measurement, have patient:
   a) **Relax and breathe normally** until a steady tidal breathing is shown
   b) **Inhale rapidly and completely, "Big breath in!"**
   c) **Immediately exhale as fast and hard as possible, "Blast!" of expiration**
      Continue exhaling maintaining upright posture, **"Keep going, keep going"**, until EOFE (end of forced expiration) criteria has been reached (beep!)
   d) **Inhale again rapidly and completely, "Big breath in!"**



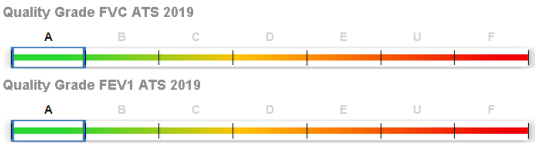
6. Click **<F3> "Stop"** to end the measurement



7. Disconnect the patient from the breathing circuit
   (Note: patient may stay connected to the breathing circuit between the trials, if able)

8. To assess **repeatability** for Forced Spirometry, repeat steps 3 – 6 (minimum three trials*)

***Repeatability & Reporting**



- Minimum of three acceptable FVC measurements and three acceptable FEV1 measurements (for Grade = A)
- Age > 6 yr: Difference between two largest 'acceptable' FVC and FEV1 values ≤ 0.150 L
- Age ≤ 6 yr: Difference between two largest 'acceptable' FVC and FEV1 values ≤ 0.100 L (or 10% highest)
- If these criteria are not met in three maneuvers, additional trials should be attempted

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