

Respiratory Care Diagnostics & Education

TEST	BARS	BBC	BLH	BMH	BPR	BSH
<p>Complete Pulmonary Function Test [PFT 13]: This test consists of 3 studies to demonstrate the total function of the lung.</p> <ol style="list-style-type: none"> Spirometry: Includes graphic record, total and timed vital capacity and expiratory flow rate measurements. OR Spirometry with Bronchodilator; Albuterol 2.5 mg or 4 puffs DLCO: Diffusing capacity determines how much oxygen travels from the alveoli of the lungs to the blood stream. Thoracic Gas Volume (TGV) or Nitrogen Washout Testing: TGV is given to determine the Total Lung Volumes. Airway resistance to airflow is reported. Nitrogen Washout may be performed when a patient is unable to achieve the TGV. 						
OPTIONAL TESTS WITH COMPLETE PULMONARY FUNCTION TESTS						
<p>A. MVV [RT109]: Maximal minute ventilation is the volume of gas inhaled (inhaled minute volume) or exhaled (exhaled minute volume) from a person's lungs per minute.</p>	X	X		X		X
<p>B. MEPS/MIPS [RT156]: Maximum inspiratory pressure to evaluate inspiratory respiratory muscle strength Maximum expiratory pressure obtained by having the patient exhale as strongly as possible against a mouthpiece; the maximum value is near total lung capacity.</p>	X	X		X		X
<p>Spirometry [PFT 18]: Spirometry includes graphic record, total and timed vital capacity and expiratory flow rate measurements.</p>	X	X	X	X	X	X
<p>Spirometry with Bronchodilator [PFT 18] (Pulmonary Rehab Qualification): This test is performed as stated above with a bronchodilator (Albuterol 2.5 mg).</p>		X	X	X	X	X
<p>Spirometry with Asthma Education [RT151]: This test is as stated above but includes, asthma education follows the NIH-NAEPP program; sign & symptoms, environmental control, medication use and side effects and exercise.</p>	X	X	X	X	X	X
<p>Spirometry with Medications & COPD Education [RT150]: This test is as stated above but includes, COPD education follows the GOLD standards; sign & symptoms, breathing exercises, medication use and side effects, and wellness techniques for better breathing.</p>	X	X	X		X	X
<p>Asthma Education, only</p>		X				X
<p>COPD Education, only</p>		X				X
<p>Six Minute Walk [RT 157]: Physical endurance assessment for patients with a variety of cardiopulmonary diseases including pulmonary arterial hypertension (PAH). It simply measures the distance that a patient can walk on a flat, hard surface in a period of 6 minutes. *Also offered at the BAC</p>		X			X	X
<p>Methacholine Challenge Testing [RT107]: A bronchial challenge test is used to assist in the diagnosis of asthma. The patient breathes in nebulized methacholine.</p>		X		X		
<p>Exercise Challenge [RT155]: Exercise induces airway narrowing in the majority of patients with asthma. This test is performed with an exercise bike and spirometry testing before and after cycling for 7 minutes.</p>		X		X		
<p>Cardio-Pulmonary Exercise Test [RT 83]: The full cardiopulmonary system is assessed during a CPET by measuring the amount of oxygen your body is using, the amount of carbon dioxide it is producing, your breathing pattern and electrocardiogram (EKG) while you are riding a stationary bicycle.</p>				X		
<p>Arterial Blood Gas [Lab2109]: Measures the partial pressures of oxygen (PaO₂), carbon dioxide (PaCO₂) and the pH of an arterial blood sample. Oxygen content (O₂CT), oxygen saturation (SaO₂) and bicarbonate (HCO₃⁻) values are also measured.</p>		X	X	X		X

Respiratory Care Locations

Testing Locations

Bronson Area Radiology Services

524 S. Park St.
Kalamazoo, MI 49007
(269) 341-6578
(269) 341-7252 fax

Bronson Battle Creek

300 North Ave.
Battle Creek, MI 49017
(269) 245-8666
(269) 245-4902 fax

Bronson Lakeview Hospital

408 Hazen St.
Paw Paw, MI 49079
(269) 657-1440
(269) 657-1339 fax

Bronson Methodist Hospital

601 John St.
Kalamazoo, MI 49007
(269) 341-8700, (888) 741-6415
(269) 341-8180 fax

Bronson Pulmonary Rehabilitation

4613 W. Main St., Suite C
Kalamazoo, MI 49006
(269) 575-7000
(269) 575-7001 fax

Bronson South Haven

955 S. Bailey Ave.
South Haven, MI 49090
(269) 637-5271