

	<b>RESPIRATORY SERVICES</b>	DATE CREATED: November 2015  DATE REVIEWED/REVISED: <b>March 2017</b>
<b>PROCEDURE</b>	TITLE: <u>Pulmonary Diagnostics:</u> Bronchodilators.; Administration and Disposal (Respiratory Therapy)  NUMBER: B-00-12-12102	RELATED DOCUMENTS:

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## SITE APPLICABILITY:

St. Paul's Hospital  
Mount Saint Joseph Hospital

## GENERAL INFORMATION:

Depending on which test is ordered by a Physician or Nurse Practitioner, a bronchodilator will be administered by a Respiratory Therapist (RT).

In consultation with the Infection Control Practitioner, Pharmacy Supervisor and Professional Practice Consultant, it was determined that given potential infection risk, and low cost of MDI medications used in the Pulmonary Function Laboratory, it would be best practice for inhalers used for testing to be single-patient use. After use they will be disposed of into the appropriate collection receptacle.

## SPECIAL CONSIDERATIONS:

The bronchodilator that will be administered will be based on the prescription history provided by the patient. If the patient is currently taking a Beta Blocker medication, ipratropium bromide will be given to the patient instead of salbutamol. All inhalers will be single-patient use.

## REQUIRED SUPPLIES & EQUIPMENT:

- MDI bronchodilator (salbutamol or ipratropium bromide)
- Aerochamber

## PROCEDURE:

1. Interview the patient for his/her medication history prior to administering bronchodilator medication.
2. The RT will determine the appropriate medication to administer based on the patient's medication history-- either 400 mcg salbutamol or 40 mcg ipratropium bromide MDI will be delivered via a spacer device.
3. The RT will wait 30 seconds to 1 minute in between MDI actuation.
4. MDI medication cannisters are to be disposed in a sharps bin after administration.
5. A wait time of 15 minutes will occur for testing that involves salbutamol and 20 minutes for testing that involves ipratropium bromide.

6. The medication selected, dosage and means of delivery will be written on the final report.
7. Housekeeping will dispose of collection receptacle (sharps bin) per usual biohazard waste disposal.

**DEVELOPED BY:**

RRT

**REVIEWED BY:**

1. RRT, CRE
2. RRT FCSRT, Professional Practice Leader, Respiratory Therapy