

Respimat® Fact Sheet

Combivent® (ipratropium bromide and albuterol) or Spiriva® (tiotropium bromide inhalation powder) are maintenance medications for chronic obstructive pulmonary disease (COPD). Ipratropium and albuterol is indicated for COPD patients with no improvement in bronchospasm with regular use of bronchodilators. Tiotropium bromide is a maintenance medication which reduces flare-ups and the worsening of COPD symptoms.

Generic Names: Ipratropium bromide and albuterol; and Tiotropium bromide

Brand Names: Combivent® Respimat® and Spiriva® Respimat®

Dosage Administration and Strength

Combivent®

- One inhalation of Combivent® Respimat®: taken four times a day
- One inhalation of Combivent® Respimat®: delivers 20 mcg/100 mcg of ipratropium albuterol

Spiriva®

- Two actuation of Spiriva® Respimat®: taken once daily (every 24 hours)
- One actuation of Spiriva® Respimat®: delivers 2.5 mcg of tiotropium bromide

Indications

- Treatment of bronchospasm associated with COPD
- Chronic bronchitis
- Emphysema

Contraindications

- Hypersensitivity to atropine or any of its derivatives
- Patients who have hypersensitivity to tiotropium or ipratropium
- Respimat® is not a rescue medicine and should not be used for treating sudden breathing problems

Side Effects

- Urticaria (hives), angioedema (swelling under the skin), rash
- Bronchospasm, anaphylaxis, itching
- Urinary retention and renal impairment
- Dry mouth, sinus infection, sore throat, chest pain, indigestion, constipation, runny nose, blurred vision, increased heart rate, and upper respiratory tract infection

Cleaning Instructions

- Wipe the mouthpiece with a damp cloth or paper towel at least once a week

References

1. Boehringer Ingelheim Pharmaceuticals, Inc. "Respimat Official Site." 2014; Retrieved from www.US.Respimat.com.
2. Boehringer Ingelheim Pharmaceutical, Inc."Combivent Respimat (ipratropium bromide and albuterol) Inhalation Spray, the power of 2"2014; Retrieved from www.combivent.com.



Patient Name: _____
 Patient ID: _____
 Evaluator Initials: _____
 Date: ___/___/___

COMBIVENT® RESPIMAT® INHALATION TECHNIQUE CHECKLIST

Trained assessor to read to participant: Please show me exactly* how you use your Combivent® Respimat® Inhaler at home. *If using actual medicine (not placebo) the patient should mimic use (i.e. do not take repeated doses)

1. Holds the Respimat upright with the orange cap closed.
2. Turns the clear base in the direction of the white arrows on the label until it clicks (half turn).
3. Flips the orange cap until it snaps fully OPEN.
4. Breaths out slowly and fully.
5. When breathing out fully (step #4), does so away from Respimat.
6. Puts Respimat mouthpiece into mouth keeping it horizontal.
7. Closes lips around mouthpiece without covering the air vents.
8. While taking a SLOW, DEEP breath through the mouth, PRESSES the dose release button.
9. Continues to breathe in slowly for as long as he/she can.
10. Holds breath for 10 seconds or for as long as comfortable (with or without inhaler in mouth)
11. Removes Respimat from mouth before breathing normally.
12. Closes the Respimat's orange cap.

	Pre		Post 1		Post 2		Post 3	
	Wrong	Correct	Wrong	Correct	Wrong	Correct	Wrong	Correct
1. Holds the Respimat upright with the orange cap closed.	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁
2. Turns the clear base in the direction of the white arrows on the label until it clicks (half turn).	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁
3. Flips the orange cap until it snaps fully OPEN.	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁
4. Breaths out slowly and fully.	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁
5. When breathing out fully (step #4), does so away from Respimat.	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁
6. Puts Respimat mouthpiece into mouth keeping it horizontal.	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁
7. Closes lips around mouthpiece <u>without covering the air vents</u> .	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁
8. While taking a SLOW, DEEP breath through the mouth, PRESSES the dose release button.	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁
9. Continues to breathe in slowly for as long as he/she can.	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁
10. Holds breath for 10 seconds or for as long as comfortable (with or without inhaler in mouth)	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁
11. Removes Respimat from mouth before breathing normally.	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁
12. Closes the Respimat's orange cap.	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁	<input type="checkbox"/> ₀	<input type="checkbox"/> ₁
Participant's Score:	___/12		___/12		___/12		___/12	
	[] N/A		[] N/A		[] N/A		[] N/A	

Score the participant's performance by assigning 1 point to each correct step and adding across the 12 steps. If score is less than 12, demonstrate to the participant appropriate technique and repeat inhaler

Comments: _____