Safe Use of Newer Inhalation Devices



Breezhaler (dry powder inhalers)

Usual Dose: Contents of 1 capsule inhaled daily4-6

Onbrez Breezhaler indacaterol 75 mcg per capsule



Seebri Breezhaler glycopyrronium 50 mcg per capsule

Seebri' breatur'

Ultibro Breezhaler indacaterol 110 mcg / glycopyrronium 50 mcg per capsule



Safety Considerations and Counselling Tips:

- Capsules are for inhalation only; they must not be swallowed. 4-6 Capsules can mistakenly be placed into the inhaler mouthpiece, resulting in inadvertent swallowing and/or aspiration of the entire capsule.
- If swallowed by accident, skip the dose.
- Capsules are packaged separately from the inhaler and must be inserted into the capsule chamber. The mouthpiece must be opened to prompt capsule placement inside the capsule chamber.
- If the chamber is not immediately emptied after use, pieces of the capsule can remain inside and impede the free flow of product for the next dose.
- Discard the capsule directly into the garbage without touching. Wash hands.

Ellipta (dry powder inhalers)

Usual Dose: 1 inhalation daily⁷⁻¹⁰



Anoro Ellipta umeclidinium 62.5 mcg / vilanterol 25 mcg per actuation

Breo Ellipta

Fluticasone

100 or 200 mcg /

vilanterol 25 mcg

per actuation



Arnuity Ellipta fluticasone 100 or 200 mcg per actuation



Incruse Ellipta umeclidinium 62.5 mcg per actuation

Safety Considerations and Counselling Tips:

- The foil packaging and desiccant must be discarded immediately after opening.⁷⁻¹⁰
- The coloured cap should be opened before inhaling the dose. There is an audible "click" when the dose is ready to be inhaled.⁷⁻¹⁰
- If the device cover is opened and then closed without inhalation of the loaded dose, that dose will be lost.⁷⁻¹⁰ If a dose is lost, another dose can be loaded by opening the device cover again; double-dosing will not occur.
- If the device is tipped past horizontal, medication can fall out of the mouthpiece.
- When there are less than 10 doses remaining, the left half of the counter shows red.

Genuair (dry powder inhalers)

Usual Dose: 1 inhalation twice daily^{11,12}

Duaklir Genuair aclidinium 400 mcg / formoterol 12 mcg per actuation

Tudorza Genuair aclidinium 400 mcg per actuation





Safety Considerations and Counselling Tips:

- To prepare for inhalation, the coloured button should be pressed and then released. The coloured control window will change from red to green when the dose is ready to be inhaled. Do not hold down the button while inhaling.^{11,12}
- During dose inhalation, there is an audible "click". Upon proper inhalation of the dose the coloured control window will change back to red. Keep breathing in even after the "click" to ensure delivery of the full dose.^{11,12}
- When a red striped band appears in the dose window, obtain a new inhaler. The device will "lock" when the last dose has been loaded. 11,12
- Some patients experience an unpleasant taste rinse mouth and swallow water.

Respimat (soft mist inhalers)

Combivent Respimat

ipratropium 20 mcg / salbutamol 100 mcg per actuation *Usual Dose*: 1 inhalation 4 times daily¹³

Inspiolto Respimat

tiotropium 2.5 mcg / olodaterol 2.5 mcg per actuation *Usual Dose*: 2 inhalations daily¹⁴

Spiriva Respimat

tiotropium 2.5 mcg per actuation *Usual Dose:* 2 inhalations daily¹⁵







Safety Considerations and Counselling Tips:

- Insertion of the cartridge before first use may require more force than expected; cartridges should be preloaded by the pharmacy before dispensing.
 Priming is required before first use.¹³⁻¹⁵
- Before initiating the dose, the lips should be tightly closed over the mouthpiece without covering the air vents (on the sides of the mouthpiece).¹³⁻¹⁵
- When approximately a 7-day supply of medication remains in the device, the red pointer will enter the red zone of the dose counter on the base. 13-15
- Spiriva is also available in a DPI format (Handihaler) that delivers a different dose.¹⁶