

COPD Inhalers: Storage and Beyond Use Dates

| Short-Acting Beta-Agonists | | | |
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| Brand | Generic | Storage: | Beyond Use Date Once Opened |
| ProAir Digihaler | Albuterol Sulfate | Room Temp: 15-25°C (59-77°F). Avoid exposure to extreme heat, cold or humidity. | Whichever comes first: <ul style="list-style-type: none"> ○ 13 months after opening the foil pouch. ○ When the counter reaches zero. ○ After the printed expiration date. |
| ProAir HFA | Albuterol Sulfate | Room Temp: 15-25°C (59-77°F). Protect from freezing or prolonged exposure to direct sunlight. Exposure to temps above 120°F can cause bursting. | Whichever comes first: <ul style="list-style-type: none"> ○ When the counter reaches zero. ○ After the printed expiration date. |
| ProAir RespiClick | Albuterol Sulfate | Room Temp: 15-25°C (59-77°F). Avoid exposure to extreme heat, cold or humidity. | Whichever comes first: <ul style="list-style-type: none"> ○ 13 months after opening the foil pouch. ○ When the counter reaches zero. ○ After the printed expiration date. |
| Proventil HFA | Albuterol Sulfate | Room Temp: 15-25°C (59-77°F). Protect from freezing or prolonged exposure to direct sunlight. Exposure to temps above 120°F can cause bursting. | Whichever comes first: <ul style="list-style-type: none"> ○ When the counter reaches zero. ○ After the printed expiration date. |
| Ventolin HFA | Albuterol Sulfate | Room Temp: 20-25°C (68-77°F). Excursions permitted between 15-30°C (59-86°F). Do not store near direct heat or open flame. Exposure to temps over 120°F can cause bursting. | Whichever comes first: <ul style="list-style-type: none"> ○ 12 months after opening the foil pouch. ○ When the counter reaches zero. ○ After the printed expiration date. |
| Xopenex HFA | Levalbuterol Tartrate | Room Temp: 20-25°C (68-77°F). Protect from freezing or prolonged exposure to direct sunlight. Exposure to temps above 120°F can cause bursting. | Whichever comes first: <ul style="list-style-type: none"> ○ When the counter reaches zero. ○ After the printed expiration date. |

Long-Acting Beta-Agonists

| Brand | Generic | Storage | Beyond Use Date Once Opened |
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| Serevent Diskus | Salmeterol Xinafoate | Room Temp: 20-25°C (68-77°F). Store in a dry place away from direct heat or sunlight. | Whichever comes first: <ul style="list-style-type: none"> ○ 6 weeks after removal from protective foil. ○ After all blisters have been used/when dose indicator reads zero. |
| Striverdi Respimat | Olodaterol | Room Temp: 20-25°C (68-77°F). Excursions permitted between 15-30°C (59-86°F). Avoid freezing. | Whichever comes first: <ul style="list-style-type: none"> ○ 3 months after first use at the latest. ○ When no more doses can be dispensed (locking mechanism engaged). |

Short-Acting Muscarinic Antagonists (Anticholinergic)

| Brand | Generic | Storage | Beyond Use Date Once Opened |
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| Atrovent HFA | Ipratropium bromide | Room Temp: 20-25°C (68-77°F). Excursions permitted between 15-30°C (59-86°F). | Whichever comes first: <ul style="list-style-type: none"> ○ When the counter reaches zero. ○ After the printed expiration date. |

Long-Acting Muscarinic Antagonists (Anticholinergic)

| Brand | Generic | Storage | Beyond Use Date Once Opened |
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| Incruse Ellipta | Umeclidinium | Room Temp: 20-25°C (68-77°F). Excursions permitted between 15-30°C (59-86°F). Store in a dry place away from direct heat or sunlight. | Whichever comes first: <ul style="list-style-type: none"> ○ 6 weeks after removal from protective foil. ○ when dose indicator reads zero. |
| Spiriva HandiHaler | Tiotropium bromide | Room Temp: 25°C (77°F). Excursions permitted between 15-30°C (59-86°F). | Store capsules in foil blisters until immediately prior to use. Any additional capsules exposed to air should be discarded. |
| Spiriva Respimat | Tiotropium bromide | Room Temp: 25°C (77°F). Excursions permitted between 15-30°C (59-86°F). | Whichever comes first: <ul style="list-style-type: none"> ○ 3 months after first use at the latest. ○ When no more doses can be dispensed (locking mechanism engaged). |

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| Tudorza Pressair | Alclidinium bromide | Room Temp: 25°C (77°F). Excursions permitted between 15-30°C (59-86°F). Store in a dry place. | Whichever comes first: <ul style="list-style-type: none"> ○ 45 days after opening. ○ When the counter reads zero/the device locks out |
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| Inhaled Corticosteroids (ICS) | | | |
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| Brand | Generic | Storage | Beyond Use Date Once Opened |
| Alvesco HFA | ciclesonide | Room Temp: 25°C (77°F). Excursions permitted between 15-30°C (59-86°F). Exposure to temps above 120°F can cause bursting. | Whichever comes first: <ul style="list-style-type: none"> ○ When the counter reaches zero. ○ After the printed expiration date. |
| ArmonAir Digihaler | fluticasone propionate | Room Temp: 15-25°C (59-77°F). Avoid exposure to extreme heat, cold or humidity. | Whichever comes first: <ul style="list-style-type: none"> ○ 30 days after opening the foil pouch. ○ When the counter displays zero. ○ After the printed expiration date. |
| Arnuity Ellipta | fluticasone furoate | Room Temp: 20-25°C (68-77°F). Excursions permitted between 15-30°C (59-86°F). Store in a dry place away from direct heat or sunlight. | Whichever comes first: <ul style="list-style-type: none"> ○ 6 weeks after removal from protective foil. ○ When dose indicator reads zero. |
| Asmanex HFA | mometasone furoate | Room Temp: 20-25°C (68-77°F). Excursions permitted between 15-30°C (59-86°F). | Whichever comes first: <ul style="list-style-type: none"> ○ When the counter reaches zero. ○ After the printed expiration date. |
| Asmanex TwistHaler | mometasone furoate | Room Temp: 25°C (77°F). Excursions permitted between 15-30°C (59-86°F). | Whichever comes first: <ul style="list-style-type: none"> ○ 45 days after opening. ○ When the counter reads zero/the device locks out |
| Flovent Diskus | fluticasone propionate | Room Temp: 20-25°C (68-77°F). Excursions permitted between 15-30°C (59-86°F). | Whichever comes first: <ul style="list-style-type: none"> ○ 6 weeks (50mcg strength) after opening the foil pouch ○ Two months (100 and 250 mcg strengths) after opening the foil pouch. ○ Or when the counter reads zero |

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| Flovent HFA | fluticasone propionate | Room Temp: 20-25°C (68-77°F). Excursions permitted between 15-30°C (59-86°F). | Whichever comes first: <ul style="list-style-type: none"> ○ When the counter reaches zero. ○ After the printed expiration date. |
| Pulmicort Flexhaler | budesonide | Room Temp: 20-25°C (68-77°F). Store in a dry place. | Whichever comes first: <ul style="list-style-type: none"> ○ When the counter reaches zero. ○ After the printed expiration date. |
| QVAR Redihaler | beclomethasone dipropionate | Room Temp: 25°C (77°F). Excursions permitted between 15-30°C (59-86°F). | Whichever comes first: <ul style="list-style-type: none"> ○ When the counter reaches zero. ○ After the printed expiration date. |

| Inhaled Corticosteroid (ICS)/Long-Acting Beta-Agonist (LABA) Combination | | | |
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| Brand | Generic | Storage | Beyond Use Date Once Opened |
| Advair Diskus | fluticasone proiponate and salmeterol | Room Temp: 20-25°C (68-77°F). Excursions permitted between 15-30°C (59-86°F). Store in a dry place away from direct heat or sunlight. | Whichever comes first: <ul style="list-style-type: none"> ○ 1 month after opening the foil pouch. ○ When the counter reaches zero. |
| Advair HFA | fluticasone proiponate and salmeterol | Room Temp: 25°C (77°F). Excursions permitted between 15-30°C (59-86°F). | Whichever comes first: <ul style="list-style-type: none"> ○ When the counter reaches zero. ○ After the printed expiration date. |
| AirDuo Digihaler | fluticasone proiponate and salmeterol | Room Temp: 15-25°C (59-77°F). Excursions permitted between 15-30°C (59-86°F). Avoid exposure to extreme heat, cold or humidity. | Whichever comes first: <ul style="list-style-type: none"> ○ 30 days after opening the foil pouch. ○ When the counter reaches zero. ○ After the printed expiration date. |
| AirDuo RespiClick | fluticasone proiponate and salmeterol | Room Temp: 15-25°C (59-77°F). Excursions permitted between 15-30°C (59-86°F). Avoid exposure to extreme heat, cold or humidity. | Whichever comes first: <ul style="list-style-type: none"> ○ 30 days after opening the foil pouch. ○ When the counter reaches zero. ○ After the printed expiration date. |

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| Breo Ellipta | Fluticasone furoate and vilanterol | Room Temp: 20-25°C (68-77°F). Excursions permitted between 15-30°C (59-86°F). Store in a dry place away from direct heat or sunlight. | Whichever comes first: <ul style="list-style-type: none"> ○ 6 weeks after removal from protective foil. ○ When dose indicator reads zero. |
| Dulera | mometasone furoate and formoterol fumarate dihydrate | Room Temp: 25°C (77°F). Excursions permitted between 15-30°C (59-86°F). | Whichever comes first: <ul style="list-style-type: none"> ○ When the counter reaches zero. ○ After the printed expiration date. |
| Symbicort | budesonide and formoterol fumarate dihydrate | Room Temp: 20-25°C (68-77°F). Excursions permitted between 15-30°C (59-86°F). Protect from freezing or prolonged exposure to direct sunlight. Exposure to temps above 120°F can cause bursting | Whichever comes first: <ul style="list-style-type: none"> ○ 3 months after first use at the latest. ○ When the counter reaches zero. |
| Wixela Inhub | fluticasone proiponate and salmeterol | Room Temp: 20-25°C (68-77°F). Excursions permitted between 15-30°C (59-86°F). Store in a dry place away from direct heat or sunlight. | Whichever comes first: <ul style="list-style-type: none"> ○ 1 month after opening the foil pouch. ○ When the counter reaches zero. |

Long-Acting Beta Agonist (LABA)/Long-Acting Muscarinic Antagonist (LAMA) Combination

| Brand | Generic | Storage | Beyond Use Date Once Opened |
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| Anoro Ellipta | umeclidinium and vilanterol | Room Temp: 20-25°C (68-77°F). Excursions permitted between 15-30°C (59-86°F). Store in a dry place away from direct heat or sunlight. | Whichever comes first: <ul style="list-style-type: none"> ○ 6 weeks after removal from protective foil. ○ When dose indicator reads zero. |
| Bevespi Aerosphere | glycopyrrolate and formoterol fumarate | Room Temp: 25°C (77°F). Excursions permitted between 15-30°C (59-86°F). | Whichever comes first: <ul style="list-style-type: none"> ○ 3 Months after removal from foil pouch. ○ When the counter reaches zero/the device locks out. |
| Duaklir Pressair | aclidinium bromide and formoterol fumarate | Room Temp: 20-25°C (68-77°F). Excursions permitted between 15-30°C (59-86°F). | Whichever comes first: <ul style="list-style-type: none"> ○ 2 Months after removal from foil pouch. ○ When the counter reaches zero/the device locks out. |

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| Stiolto Respimat | tiotropium bromide and olodaterol | Room Temp: 25°C (77°F). Excursions permitted between 15-30°C (59-86°F). | Whichever comes first: <ul style="list-style-type: none"> ○ 3 Months after removal from foil pouch. ○ When the counter reaches zero/the device locks out. |
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| Inhaled Corticosteroid (ICS)/Long-Acting Beta-Agonist (LABA)/ Long-Acting Muscarinic Antagonist (LAMA) Combination | | | |
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| Brand | Generic | Storage | Beyond Use Date Once Opened |
| Trelegy Ellipta | fluticasone furoate, umeclidinium and vilanterol | Room Temp: 20-25°C (68-77°F). Excursions permitted between 15-30°C (59-86°F). Store in a dry place away from direct heat or sunlight. | Whichever comes first: <ul style="list-style-type: none"> ○ 6 weeks after removal from protective foil. ○ When dose indicator reads zero. |
| Breztri Aerosphere | budesonide, glycopyrrolate and formoterol fumarate | Room Temp: 20-25°C (68-77°F). Excursions permitted between 15-30°C (59-86°F). Store in a dry place away from direct heat or sunlight. | Whichever comes first: <ul style="list-style-type: none"> ○ After 3 weeks for the 28-inhalation canister. ○ After 3 months for the 120-inhalation canister. ○ When the counter reaches zero. |

| Short-Acting Bega-Agonists (SABA)/Short-Acting Muscarinic Antagonist (SAMA) Combination | | | |
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| Brand | Generic | Storage | Beyond Use Date Once Opened |
| Combivent Respimat | ipratropium bromide and albuterol sulfate | Room Temp: 25°C (77°F). Excursions permitted between 15-30°C (59-86°F). | Whichever comes first: <ul style="list-style-type: none"> ○ When the counter reaches zero. ○ After the printed expiration date. |