

## Diabetes: INSULINS & STORAGE REQUIREMENTS 2017



BRAND	GENERIC	MFG	Type	UNOPENED / UNREFRIG	OPENED / UNREFRIG	APPEARANCE	COMPATIBLE MIXED WITH
NOVOLIN R	Insulin Regular	Novo Nordisk	Vials	42 days	42 days	CLEAR	NPH
NOVOLIN 70/30	Insulin NPH & Regular	Novo Nordisk	Vials	42 days	42 days	CLOUDY	NONE
<i>Do not refrigerate pens once in use</i>			Pens		10 days		
NOVOLIN N	Insulin NPH	Novo Nordisk	Vials	42 days	42 days	CLOUDY	ANALOGS/REGULAR
NovoLog	Insulin Aspart	Novo Nordisk	Vials	28 days	28 days	CLEAR	NPH
<i>Do not refrigerate pens once in use</i>			Pens	28 days	28 days		
NovoLog Mix 70/30	Insulin Aspart Protamine & Insulin Aspart	Novo Nordisk	Vials	28 days	28 days	CLOUDY	NONE
<i>Do not refrigerate pens once in use</i>			Pens	14 days	14 days		
HUMALOG	Insulin Lispro	Lilly	Vials	28 days	28 days	CLEAR	NPH
<i>Do not refrigerate pens once in use</i>			Pens	28 days	28 days		
HUMALOG MIX 75/25, 50/50	Insulin Lispro Protamine and Insulin Lispro	Lilly	Vials	28 days	28 days	CLOUDY	NONE
<i>Do not refrigerate pens once in use</i>			Pens	10 days	10 days		
HUMULIN R	Insulin Regular	Lilly	Vials	31 days	31 days	CLEAR	NPH
HUMULIN N	Insulin NPH	Lilly	Vials	31 days	31 days	CLOUDY	ANALOGS/REGULAR
<i>Do not refrigerate pens once in use</i>			Pens		14 days		
HUMULIN 70/30	Insulin NPH/Regular	Lilly	Vials	31 days	31 days	CLOUDY	NONE
<i>Do not refrigerate pens once in use</i>			Pens		10 days		
AFREZZA	Insulin Human	Mannkind Corp.	Inhaled Powder	10 days	3 days	POWDER	NONE
APIDRA	Insulin Glulisine	Sanofi-Aventis	Vials & Pens	28 days	28 days	CLEAR	NPH
BASAGLAR	Insulin Glargine	Lilly	Pens	28 days	28 days	CLEAR	NONE
LANTUS	Insulin Glargine	Sanofi-Aventis	Vials & pens	28 days	28 days	CLEAR	NONE
LEVEMIR	Insulin Detemir	Novo Nordisk	Vials & pens	42 days	42 days	CLEAR	NONE
RYZODEG 70/30	Insulin Degludec / Insulin Aspart	Novo Nordisk	Pens	28 days	28 days	CLOUDY	NONE
TOUJEO	Insulin Glargine	Sanofi-Aventis	Pens	42 days	42 days	CLEAR	NONE
TRESIBA	Insulin Degludec	Novo Nordisk	Pens	56 days	56 days	CLEAR	NONE

Note: See mfg Note: see pkg, labeling/insert &/or call Pharmacist for most up to date information; LexiComp on-line 4.2017, Epocrates 4.2017, Med Pass, Pkg Inserts APR 2017\*

The **BEYOND USE DATES** of insulin **VIALS AND PENS** begin AFTER OPENING/PUNCTURING or AFTER REMOVING the INSULIN FROM THE REFRIGERATOR, whichever comes first, despite at what temperature the insulin is stored (refrigerator or at room temperature on a medication cart) at once in use;

# Asthma/COPD/Allergy Meds: Inhaler and Nebule Storage requirements – 2017



GENERIC NAME	BRAND NAME	REFRIGERATE?	NOTES / SPECIAL STORAGE & EXPIRATION DATES
Fluticasone/Salmeterol	ADVAIR DISKUS	NO	Discard after <b>30 days</b> once removed from foil pouch or after all blisters used (reads "0"), whichever first. Device is not reusable
Umeclidinium / Vilanterol	ANORO ELLIPTA	NO	Discard device <b>6 weeks</b> after it is removed from foil tray or when the dose counter reads "0", whichever comes first
Mometasone	ASMANEX	NO	Discard when oral dose counter reads "00"; <b>45 days</b> after opening the foil pouch
Azelastine nasal spray	ASTELIN	NO	<b>3 months</b> after pump attached to bottle; <b>Store upright.</b>
Glycopyrrolate / Formoterol	BEVESPI AEROSPHERE	NO	Discard device <b>3 months</b> after it is removed from foil tray or when the dose counter reads "0", whichever comes first.
Fluticasone/ Vilanterol	BREO ELLIPTA	NO	Discard device <b>6 weeks</b> after it is removed from foil tray or when dose counter reads "0", whichever comes first.
Arformoterol	BROVANA	YES	<b>Unopened</b> foil pouches may be stored at room temperature <b>up to 6 weeks</b> . Only remove vial from foil pouch immediately before use.
Ipratropium and albuterol	COMBIVENT RESPIMAT	NO	Discard <b>3 months after 1st actuation</b> or after labeled number of actuations has been reached, whichever is 1st.
Fluticasone	FLOVENT DISKUS	NO	Discard after <b>6 weeks (50 mcg diskus)</b> or after <b>2 months (100 mcg and 250 mcg diskus)</b> from removal from protective foil pouch or when the dose counter reads "0" (whichever comes first);
Formoterol	FORADIL AEROLIZER	NO	Capsules should be stored in blister & removed before use; use within <b>4 months</b> of purchase date or product/mfg exp date; whichever 1 <sup>st</sup> .
	PERFORMOMIST™	NO	Unit-dose vials should always be stored in the foil pouch and only removed immediately before use within <b>3 months</b>
Umeclidinium	INCRUSE ELLIPTA	NO	Discard device <b>6 weeks</b> after it is removed from foil tray or when the dose counter reads "0", whichever comes first.
Acetylcysteine	MUCOMYST SOLN for inhalation	SEE NOTES	Dilutions should be used freshly prepared and utilized within <b>1 hour of prep</b> . If only a portion of the solution in a vial is used, store the remaining undiluted portion in a refrig and use <b>within 96 hours</b> . Color chg may occur in opened vials-ok
Budesonide	PULMICORT	NO	<b>Neb:</b> once alum package open; <b>2 weeks</b> ; <b>Nasal:</b> once alum pouch open; <b>6 months</b>
Salmeterol inhalation	SEREVENT DISKUS	NO	Discard after <b>6 weeks</b> from removal of foil pouch or after all blisters used (reads "0"), whichever 1st
Tiotropium	SPIRIVA RESPIMAT	NO	Discard device <b>3 months</b> after cartridge is loaded or when the dose counter reads "0", whichever comes first
Tiotropium / Olodaterol	STIOLTO RESPIMAT	NO	Discard device <b>3 months</b> after assembly or when locking mechanism is engaged, whichever comes first
Budesonide / Formoterol	SYMBICORT HFA	NO	<b>Discard</b> after labeled number of inhalations have been used or within <b>3 months after foil wrap has been removed</b>
Aclidinium	TUDORZA PRESSAIR	NO	Discard product <b>45 days</b> after opening pouch, when device locks out, or when dose indicator displays "0", whichever comes first
Albuterol Sulfate	VENTOLIN HFA, ProAir® HFA; Proventil® HFA	NO	<b>12 months</b> after removal from protective pouch or when counter reads 000 whichever is 1st
Levalbuterol inhalation	XOPENEX	NO	Store in pouch. Once pouch is opened, use vials within <b>14 days</b> . Vials removed from the pouch, if not used immediately, should be protected from light and used within <b>7 days</b>

\* Note: Not all inclusive; see mfg pkg, labeling/insert &/or call Pharmacist; LexiComp on-line 2017, Epocrates 2017, Med Pass, Pkg Inserts 2017\*