

## Medications with Shortened Expiration Dates

Once these products are opened, they must be used within a specific timeframe to avoid reduced stability and sterility and potentially, reduced efficacy. All of these medications should be labeled in such a way that the "Beyond Use Date" is securely attached to a part of the package and will not be discarded. Beyond use dating can be found in the products package insert under the "How Supplied/Storage and Handling" section. Refrigerator temperature is considered 36°F to 46°F.

### Asthma / COPD / Allergy

Brand Name	Generic Name	Expiration Notes
Advair Diskus; Advair HFA	Fluticasone/Salmeterol	Diskus - 30 days after removal from foil pouch; HFA - 12 months or when counter reads 0.
Arcapta Neohaler	Indacaterol	Remove capsule from blister immediately prior to use.
Asmanex Twisthaler; HFA	Mometasone	Twisthaler - 45 days after removal from foil pouch; HFA - 12 months or when counter reads 0.
Breo Ellipta	Fluticasone/Vilanterol	6 weeks after removal from foil tray.
Brovana solution	Aformoterol	Store refrigerated in foil pouch. After opening pouch, unused vials should be stored in pouch. May be used directly from the refrigerator, in which case the expiration date = discard date. May also be stored at room temperature between 68°F to 77°F for up to 6 weeks (42 days).
Combivent Respimat; Duoneb	Albuterol/Ipratropium	Respimat - 3 months after assembly of the device; Duoneb - 7 days once removed from foil pack.
Flovent Diskus; Flovent HFA	Fluticasone	Discus- 50 mcg Strength - 6 weeks after removal from foil pouch 100 mcg & 250 mcg Strength - 2 months after removal from foil pouch; HFA - 12 months or when counter reads 0.
Foradil Aerolizer	Formoterol	Open capsules immediately before use; discard Aerolizer inhaler by the "Use by" date.
Perforomist Inhalation Solution		Store Perforomist in a refrigerator 36° to 46° and discard when drug expires or store at room temperature 68°F to 77°F ; discard if not used after 3 months. Protect pouch from light and heat.
Mucomyst	Acetylcysteine	Dilutions expire within 1 hour of preparation. Open vials remain in refrigerator and are good for 96 hours only.
Pulmicort Respules; Pulmicort Flexhaler	Budesonide	Respules - Use within 14 days of opening pouch; Flexhaler - 12 month or when counter reads 0.
Serevent Diskus	Salmeterol	6 weeks after removal from foil pouch.
Spiriva Respimat; Handihaler	Tiotropium	Respimat - 3 months after assembly of device Handihaler - 12 months.
Stiolto Respimat	Tiotropium/Olodaterol	3 months after assembly of device.
Striverdi Respimat	Olodaterol	3 months after assembly of device.
Symbicort	Budesonide/Formoterol	3 months after removal from foil pouch.
Tudorza	Aclidinium	45 days after removal from pouch.
Xopenex Solution; HFA	Levalbuterol	Solution - Use within 14 days of opening pouch; HFA - 12 months.
ProAir RespiClick	Albuterol	13 months after removal from the foil pouch.
Ventolin HFA		12 months after removal from the foil pouch.
Dulera	Mometasone/Formoterol	12 months or when counter reads 0.

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### Injectable Diabetes Medications - Insulins

Product Name	Generic Name	Stability, In-Use, Room Temp
Admelog HumaLOG U-100 KwikPen HumaLOG U-200 KwikPen	Insulin Lispro	Admelog Vial/SoloStar Pen: 28 days HumaLog Vial/Cartridge/KwikPen: 28 days Pump Reservoir (Admelog/Humalog U-100): 7 days
Apidra	Insulin Glulisine	Vial/Solostar Pen: 28 days Pump Reservoir: 48 hours
HumaLOG Mix 75/25 HumaLOG Mix 50/50	Insulin Lipro Protamine (intermediate-acting) AND Insulin Lispro (rapid acting)	Vial: 28 days KwikPen: 10 days
Humulin R 100 Unit/ml	Regular Human Insulin	Vial: 31 days
Humulin R 500 Unit/ml	Regular Human Insulin * HIGHLY CONCENTRATED*	Vial: 40 days KwikPen: 28 days
Humulin N	Intermediate-acting Human Insulin	Vial: 31 days KwikPen: 14 days
Humulin 70/30	Insulin 70% NPH/30% Regular	Vial: 31 days Pen: 10 days
Lantus <i>or</i> Basaglar	Insulin Glargine	Vial (Lantus): 28 days Pen (Basaglar <i>or</i> Lantus): 28 days
Novolin N	Intermediate-acting Human Insulin	Vial: 42 days Flexpen: 28 days
Novolin R	Regular Human Insulin	Vial: 42 days Flexpen: 28 days
NovoLOG Mix 70/30	Insulin Aspart protamine (intermediate-acting) AND Insulin Aspart (rapid-acting)	Vial: 28 days Flexpen: 14 days
Novolin 70/30	Insulin 70% NPH/30% Regular	Vial: 42 days Flexpen: 28 days
NovoLOG <i>or</i> Fiasp	Insulin Aspart	Vial, Cartridge, FlexPen <i>or</i> FlexTouch pen: 28 days Pump Reservoir (NovoLog): 6 days
Levemir	Insulin Detemir	Vial/FlexTouch Pen: 42 days
Toujeo	Insulin Glargine 300 units/ml	SoloStar pen: 42 days
Tresiba	Insulin Degudec	FlexTouch pen: 56 days

### Injectable Diabetes Medications - GLP-1 (glucagon-like peptide) Agonists

Brand Name	Generic Name	Stability, In-Use, Room Temp
Adlyxin	Lixisenatide	14 days
Bydureon	Extended-release Exenatide	unmixed, up to 4 weeks
Byetta	Exenatide	30 days
Ozempic	Semaglutide	56 days
Soliqua	Insulin Glargine/Lixisenatide	14 days
Trulicity	Dulaglutide	14 days
Victoza	Liraglutide	30 days
Xultophy	Insulin Decludec/Liraglutide	21 days

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### Pain Medications

Brand Name	Generic Name	Expiration Notes
DepoDur	Morphine Sulfate ER Liposome Epidural Injection	May be stored unrefrigerated for 30 days in sealed unopened vials.
Roxanol	Morphine Sulfate Concentrate	1 year from dispense date or manufacturer's expiration date, whichever is sooner.
Lidoderm	Lidocaine 5% Patch	Do not store patch outside the sealed envelope. Apply immediately after removal from the protective envelope.

### Ophthalmic Products

Brand Name	Generic Name	Expiration Notes
Azarga	Brinzolamide/Timolol	Discard 60 days after opening.
Azasite	Azithromycin	Refrigerate until use. Discard any unused solution after 14 days.
Cosopt PF	Dorzolamide/Timolol	Unused individual use containers can be stored in open foil pouch up to 15 days.
Xalacom	Latanoprost/Timolol	Refrigerate until use. Discard any unused solution after 10 weeks.
Xalatan	Latanoprost	Refrigerate until use. Discard any unused solution after 42 days.
Phopholine Iodide	Echothiophate	Refrigerate. Reconstituted product can be stored at room temperature for up to 4 weeks.
Chloroptic	Chloramphenicol	Refrigerate until use. Discard solution within 21 days from date opened.

### Colony Stimulating Factor / Growth Factor

Brand Name	Generic Name	Expiration Notes
Procrit or Epogen multi-dose vial	Epoetin alfa injection	Refrigerate in-use multidose vial. Discard 21 days after initial entry.
Mircera	MPG-epoetin beta	May store at room temp in original carton up to 30 days.
Aranesp	Darbepoetin	Refrigerate at 36° to 46°, but not in freezer. Once removed from refrigerator, it must be used within 7 days.
Neulasta	Pegfilgrastim injection	48 hours at room temp.
Udenyca	Pegfilgrastim-cbqv injection	48 hours at room temp.
Fulphila	Pegfilgrastim-jmdb injection	72 hours at room temp.
Neupogen	Filgrastim Injection	24 hours at room temp.
Zarxio	Filgrastim-sndz Injection	24 hours at room temp.
Nivestym	Filgrastim-aafi Injection	24 hours at room temp.
Granix	tbo-filgrastim (G-CSF) injection	Refrigerate at 36° to 46°, protect from light, within its shelf life the product may be removed and stored for a single period of up to 5 days between 71° to 81°, if not used within 5 days, the product may be returned to refrigeration until expiration date.

### Antipsychotics / Antianxiety

Brand Name	Generic Name	Expiration Notes
Abilify Oral Solution	ARIPiprazole Oral Solution	Good for 6 months after opening at room temp.
Ativan Oral Concentrate	LORazepam Oral Concentrate	Store in-use bottle in refrigerator. Discard 90 days after opened.
Xanax Oral Concentrate	ALPRAZolam Oral Concentrate	Store in-use bottle in refrigerator. Discard 90 days after opened.
Valium Oral Concentrate	Diazepam Oral Concentrate	Store at controlled room temperature. Discard 90 days after opened.

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### Anti-Infective Agents

Brand Name	Generic Name	Expiration Notes
Tamiflu Oral Suspension	Oseltamivir Oral Suspension	Good for 35 days refrigerated / 5 days at room temperature.
Tobi Podhaler	Tobramycin Inhalation	Podhaler - Use a new device every 7 days.
Tobi Ampules		Ampules - Good for 28 days at room temperature (if refrigerated, good until expiration date on label).
Zerit for Oral Solution	Stavudine Solution	Reconstituted solution should be refrigerated. Stable for 30 days
Furadantin	Nitrofurantoin Suspension	Store at controlled room temperature. Discard 30 days after first use.
Norvir	Ritonavir	Store refrigerated. Discard after 30 days if at room temperature.

### Vaccines / Skin Tests

Brand Name	Generic Name	Expiration Notes
Flucelvax	Influenza virus vaccine	Store refrigerated, 36°-46°. Do not freeze, protect from light. Between uses, return multi-dose vials back to refrigerator. Discard after 28 days.
Aplisol <i>or</i> Tubersol	Tuberculin PPD	Store in-use vials in refrigerator. Discard unused vaccine after 30 days.
Zostavax	Zoster vaccine live (prevention of shingles)	Store vaccine in freezer (-58°F to 5°F); Store Diluent at room temp . May be stored/transported at refrigerated temp (36°F to 46°F) prior to reconstitution for 72 hrs. Discard if not used within 30 minutes of reconstitution.
Shingrix	Zoster vaccine -Recombinant- Adjuvanted	Before reconstitution: Store refrigerated 36°-46°, protect from light; do not freeze. After reconstitution: Administer immediately or store refrigerated 36°-46° for up to 6 hours prior to use; discard after 6 hours.
Engerix-B	Hepatitis B Vaccine (Recombinant)	Store refrigerated, 36°-46°. Do not freeze, discard if product has been frozen.

### Miscellaneous Medications

Brand Name	Generic Name	Expiration Notes
Daytrana	Methylphenidate patch	Once tray is opened use within 2 months.
Forteo	Teriparatide injection	Refrigerate in-use pen. Discard 28 days after the 1st injection.
Lasix Oral Solution	Furosemide Oral solution	Dispense in light-resistant containers. Discard opened bottle after 90 days.
Miacalcin Spray	Calcitonin nasal solution	May store at room temperature in an upright position up to 35 days after opening.
Nitrostat	Nitroglycerin	Store in original container, tightly capped, use until expiration date on the label.
Pradaxa	Dabigatran etexlate	Store in original container use within 4 months of opening.
Trileptal Oral Suspension	Oxcarbazepine Oral Suspension	Use within 7 weeks of opening original container.
Enbrel	Etanercept	Store in refrigerator between 36°-46°. Once removed from refrigerator discard after 14 days, do not return to refrigerator.
Vimpat	Lacosamide oral solution	Store at room temperature between 68°-77°. Discard after 7 weeks after first use.