

Vaccine products available in multi-dose vials in the United States				
Product	Manufacturer	Beyond Use Date (BUD) specified	Package insert date	Comments
Afluria (quadrivalent inactivated influenza vaccine, IIV4)	Seqirus	28 days after vial puncture (or expiration date, whichever is earlier)	Jun 2023 (updated each flu season)	
Flucelvax (quadrivalent cell-cultured inactivated influenza vaccine, cclIV4)	Seqirus	No BUD; use until stamped expiration date (unless visibly contaminated)*	Jun 2023 (updated each flu season)	
Fluzone (quadrivalent inactivated influenza vaccine, IIV4)	Sanofi	No BUD; use until stamped expiration date (unless visibly contaminated)*	Jul 2023 (updated each flu season)	
Typhim Vi (injectable typhoid vaccine, ViCPS)	Sanofi	No BUD; use until stamped expiration date (unless visibly contaminated)*	Mar 2020	
IPOL (inactivated poliovirus vaccine)	Sanofi	No BUD; use until stamped expiration date (unless visibly contaminated)	May 2022	
Biothrax (anthrax vaccine adsorbed, AVA)	Emergent	28 days after vial puncture (or expiration date, whichever is earlier)	Nov 2015	BUD not specified on package insert; BUD clarified by manufacturer in letter to DoD dated Oct 2019
ACAM 2000 (Smallpox vaccine)	Emergent	After reconstitution: <ul style="list-style-type: none"> • 6-8 hours at room temp (20-25°C, 68-77°F) • 30 days if stored in a refrigerator (2-8°C, 36-46°F) • Or expiration date, whichever is earlier 	Mar 2018	
YF-Vax (Yellow Fever vaccine)	Sanofi	60 minutes after reconstitution	Mar 2020	
COVID-19 (2023-2024 Formula for ages 6 months- 4 years, yellow cap vial)	Pfizer	Unpunctured: 10 weeks if stored in a refrigerator (2-8°C, 36-46°F) Punctured: 12 hours after vial puncture	Sep 2023	
COVID-19 NXV-CoV2373	Novavax	6 hours after vial puncture	Mar 2023	
Jynneos (EUA intradermal route)	Bavarian Nordic	Unpunctured: 8 weeks in a refrigerator (2-8°C, 36-46°F) Punctured: 8 hours in a refrigerator (2-8°C, 36-46°F)	Aug 2022	

CDC reference:

"A multidose vial of vaccine that has been stored and handled properly and is normal in appearance can be used through the expiration date printed on the vial UNLESS otherwise stated in the manufacturer's product information." www.cdc.gov/vaccines/pubs/pinkbook/vac-storage.html