

Latest information for three COVID-19 vaccines



Basic information and latest news (as of Dec. 21, 2020)

Vaccine type	mRNA	mRNA	Adenovirus
Safety and effectiveness	<ul style="list-style-type: none"> Phase 3 trial efficacy of 95% beginning 28 days after first dose Efficacy consistent across age, gender, race, and ethnicity; observed efficacy in adults over 65 was over 94% EUA safety milestone required by FDA met 	<ul style="list-style-type: none"> Phase 3 trial efficacy of 94.1% Preliminary research suggest broadly consistent safety and efficacy across all evaluated subgroups 	<ul style="list-style-type: none"> Phase 3 trial efficacy of 70% Mixed results with one group reporting 90% efficacy while a larger group receiving higher dosage showing 62% efficacy (90% rate for lowest risk group under 55 years of age) Likely to complete further clinical trials
EUA information	<ul style="list-style-type: none"> EUA issued Dec. 11 by FDA ACIP voted to approve vaccine Dec. 12 CDC accepted recommendations Dec. 13 First shipments received week of Dec. 14 	<ul style="list-style-type: none"> EUA issued Dec. 18 by FDA ACIP voted to approve vaccine Dec. 19 CDC accepted recommendations Dec. 20 First shipments received week of Dec. 21 	Working towards EUA submission, no estimated timeline yet provided
Estimated quantities and timelines	<ul style="list-style-type: none"> Up to 50 M doses in 2020 Up to 1.3 B doses by end of 2021 	<ul style="list-style-type: none"> Up to 20 M doses in 2020 500 M to 1 B doses by end of 2021 (100 M - 125 M of which available in Q1) 	Not yet provided
Order size information	5 dose vials, minimum order 975 doses	10 dose vials, minimum order 100 doses	Not yet provided

Administration information

Doses; days apart	2; 21 days (4-day grace period from day 17-21)	2; 28 days	2; 28 days
On site mixing?	Yes, mix with provided diluent	No (no diluent required)	No (no diluent required)
Storage requirements	Long-term, must be stored at -75° (+/- 15°) C (up to 6 months); can be stored in thermal shipping container up to 30 days with re-icing every 5 days (dry ice); use within 5 days of thawing (2° - 8° C)	Long-term, must be stored at -20° C (up to 6 months); use within 30 days of thawing (2° - 8° C); room temperature for vaccination (up to 12 hours)	Likely standard refrigeration; if not, standard freezing