







mRNA COVID-19 Vaccine Formulation Comparison

	Moderna Omicron- Containing Bivalent) 6 months and older (Royal Blue Cap/Grey label border)		Pfizer BioNTech Omicron- Containing Bivalent 5 – 11 years (Orange Cap/Orange Label Border)		Pfizer BioNTech Omicron- Containing Bivalent 12 years and older (Gray Cap/Gray Label Border)	
Age	6 months and older		5 years to 11 years		12 years and older	
Specific Allergens	PEG/Tris (Tromethamine)		PEG/Tris (Tromethamine)		PEG/Tris (Tromethamine)	
Indicated for primary series	Yes <ul style="list-style-type: none"> 6 months to 4 years 5 years and older if moderately to severely immunocompromised 		Yes		Yes	
# of doses for primary series	2 (3-immunocompromised) (If given in combination with Pfizer-BioNTech, see biological page for schedule)		2 (3-immunocompromised)		2 (3-immunocompromised)	
Indicated for booster dose	No		Yes		Yes	
Dose	6 Months to 11 years <ul style="list-style-type: none"> 0.25 mL (25 mcg) 12 years and older <ul style="list-style-type: none"> 0.5 mL (50 mcg) 		0.2 mL (10 mcg)		0.3 mL (30 mcg)	
Doses per Vial	# of 0.5 mL doses: 5 # of 0.25 mL doses: 10		10		6	
Dilution Volume	Dilution NOT required		1.3 mL dilution required		Dilution NOT required	
Co-administration	Can be co-administered with other vaccines (exception: mpox vaccine has spacing considerations. See mpox biological page for more information.)		Can be co-administered with other vaccines (exception: mpox vaccine has spacing considerations. See mpox biological page for more information.)		Can be co-administered with other vaccines (exception: mpox vaccine has spacing considerations. See mpox biological page for more information.)	

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Storage and Handling						
ULT Freezer Storage (-90°C to - 60°C)	Not applicable		18 months		18 months	
Freezer Storage (-25°C to -15°C)	Until date of expiration		Can NOT be stored at - -25°C to -15°C		Can NOT be stored at -25°C to -15°C	
Prior to dilution/Pre- puncture Refrigerated Storage (+2°C to +8°C)	30 days		10 weeks		10 weeks	
Prior to dilution/Pre- puncture Room Temperature Storage (+8°C to +25°C)	24 hours		12 hours		12 hours	
After Dilution/Post- puncture (+2°C to +25°C)	24 hours		12 hours		12 hours	
Onward Transportation	<ul style="list-style-type: none"> Frozen or refrigerated full cartons or individual unpunctured vials. 		<ul style="list-style-type: none"> Ultra-frozen full cartons Refrigerated full cartons or individual unpunctured vials 		<ul style="list-style-type: none"> Ultra-frozen full cartons Refrigerated full cartons or individual unpunctured vials 	
Expiry date	Until expiry date printed on vial		18 months after manufacturing date printed on vial label		18 months after manufacturing date printed on vial label	