






# Which COVID-19 vaccine?

Comirnaty 30 Omicron XBB.1.5 30 micrograms/dose	Comirnaty 10 Omicron XBB.1.5 10 micrograms/dose	Comirnaty 3 Omicron XBB.1.5 3 micrograms/dose Concentrate	Spikevax Omicron XBB.1.5 50 micrograms/dose	VidPrevtyn Beta 5 micrograms/dose (recombinant, adjuvanted)
				
<b>Dose</b> 0.3ml (30 micrograms) by intramuscular injection	<b>Dose</b> 0.3ml (10 micrograms) by intramuscular injection	<b>Dose</b> 0.2ml (3 micrograms) by intramuscular injection	<b>Dose</b> 0.5ml (50 micrograms) by intramuscular injection	<b>Dose</b> 0.5ml (5 micrograms) by intramuscular injection
<b>Age</b> From 12 years	<b>Age</b> 5 to 11 years	<b>Age</b> From 6 months to 4 years	<b>Age</b> From 18 years	<b>Age</b> Currently recommended by JCVI for adults aged 75 years and above and for some individuals from age 18 – see Green Book for details
<b>Number of doses per vial</b> 6	<b>Number of doses per vial</b> 6	<b>Number of doses per vial</b> 10	<b>Number of doses per vial</b> 5	<b>Number of doses per vial of mixed vaccine</b> 10
<b>Dilution required?</b> No: ready to use once thawed	<b>Dilution required?</b> No: ready to use once thawed	<b>Dilution required?</b> Yes with 2.2ml sodium chloride 0.9% solution for injection	<b>Dilution required?</b> No: ready to use once thawed	<b>Preparation required?</b> There are 2 x 2.5ml vials (antigen vial and adjuvant vial) which must be combined in the antigen vial before use. After mixing the vaccine vial contains 10 doses of 0.5ml
<b>Refrigerated storage</b> Thawed and unopened: up to 10 weeks at +2°C to +8°C	<b>Refrigerated storage</b> Thawed and unopened: up to 10 weeks at +2°C to +8°C	<b>Refrigerated storage</b> Thawed, unopened and undiluted: up to 10 weeks at +2°C to +8°C	<b>Refrigerated storage</b> Thawed and unopened: up to 30 days at +2°C to +8°C	<b>Refrigerated storage</b> Unmixed vials should be stored in a refrigerator (+2°C to +8°C) for up to 1 year, do not freeze. Keep the vials in the outer carton in order to protect from light
<b>Room temperature stability</b> Unopened vials may be stored for up to 12 hours at temperatures up to +30°C	<b>Room temperature stability</b> Unopened vials may be stored for up to 12 hours at temperatures up to +30°C	<b>Room temperature stability</b> Unopened vials may be stored for up to 12 hours at temperatures up to +30°C	<b>Room temperature stability</b> Unopened vials may be stored at +8°C to +25°C up to 24 hours	<b>Room temperature stability</b> Mixed vial stable at +23°C to +27°C for 2 to 3 hours
<b>Stability after first puncture*</b> May be stored between +2°C and +30°C; use within 12 hours	<b>Stability after first puncture*</b> May be stored between +2°C and +30°C; use within 12 hours	<b>Stability after first puncture*</b> May be stored between +2°C and +30°C; use within 12 hours	<b>Stability after first puncture*</b> May be stored between +2°C and +25°C; use within 6 hours	<b>Stability after mixing*</b> Should ideally be stored in a refrigerator or cool box at +2°C to +8°C. Mixed product can be kept at room temperature whilst in use at a clinic session. Use all 10 doses as soon as practically possible and discard any remaining unused doses after 6 hours
<b>Appearance</b> <b>Prior to mixing:</b> the thawed dispersion may contain white to off-white opaque amorphous particles <b>After mixing:</b> a white to off-white dispersion with no particulates visible	<b>Appearance</b> <b>Prior to mixing:</b> the thawed dispersion may contain white to off-white opaque amorphous particles <b>After mixing:</b> clear to slightly opalescent dispersion with no particulates visible	<b>Appearance</b> <b>Prior to dilution:</b> the thawed dispersion may contain white to off-white opaque amorphous particles <b>Diluted vaccine:</b> white to off-white dispersion, no particulates visible	<b>Appearance</b> White to off-white dispersion	<b>Appearance</b> The antigen solution is a colourless, clear liquid. The adjuvant emulsion is a whitish to yellowish homogeneous milky liquid. The mixed vaccine is a whitish to yellowish homogeneous milky liquid emulsion

All products contain Polyethylene Glycol (PEG) apart from Sanofi VidPrevtyn Beta which contains Polysorbate 80 and Polysorbate 20. \*Punctured vials should be used as soon as possible to minimise the risk of microbial contamination. All vaccines should be used in accordance with Green Book and NHS England operational guidance.

**Resources: Green Book Chapter 14a:** [gov.uk/government/publications/covid-19-the-green-book-chapter-14a](https://www.gov.uk/government/publications/covid-19-the-green-book-chapter-14a) • **GOV.UK COVID-19 vaccination programme:** [gov.uk/government/collections/covid-19-vaccination-programme](https://www.gov.uk/government/collections/covid-19-vaccination-programme)