

Doxycycline

Form & Storage	100mg in 5mL ampoules	Refrigerate unopened vials at 2 - 8°C & protect from light.
Reconstitution	Already in solution <ul style="list-style-type: none"> • Draw up using a 5 micron filter needle • Use gloves when opening ampoules 	
Compatibility & Stability	Sodium chloride 0.9% Glucose 5%	
Administration	IV Infusion - Preferred	
	Dilute 100mg in at least 100mL and give over 1 to 4 hours. Dilute 200mg in at least 250mL and give over 2 to 4 hours. Preferably administer via a central venous access device to avoid potential venous irritation. If given peripherally, choose a large vein and monitor the injection site closely.	
	IV Injection	
	Give each 100mg (5mL) by slow IV injection over at least 2 minutes. In the elderly, weak or very sick patients and in patients with cardiac arrhythmias, give each 100mg (5mL) by slow IV injection over at least 3 minutes. Risk of collapse if given rapidly. Preferably administer via a central venous access device to avoid potential venous irritation. If given peripherally, choose a large vein and monitor the injection site closely.	
Extravasation	Extravasation may cause tissue damage. IV use is associated with local irritation and can cause inflammation of the vein, so a change to oral treatment with doxycycline should be made as soon as possible	
Monitor	Monitor blood pressure, skin reactions, hypersensitivity reactions. When used longer than 21 days, perform regular laboratory monitoring tests e.g. FBC, hepatic and renal function	
Additional Information	<ul style="list-style-type: none"> • Due to the magnesium content doxycycline is contra-indicated in myasthenia gravis because of the risk of neuromuscular block • Unlicensed medication in Ireland. 	

Information provided relates to Doxycycline (Ratiopharm)
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This information has been summarised to act as a guide for those administering IV medication. The monograph should be used in conjunction with the drug data sheet and BNF for information on dose, adverse effects, cautions and contra-indications. Further information is available from Pharmacy on 22146 or 22542