

Phenytoin

Phenytoin dosing is weight based; ensure accuracy of documented weight before administration		
CAUTION: High Administration Risk Rating		
Form	250mg in 5mL vial	
Reconstitution	Already in solution	
Compatibility & Stability	Sodium Chloride 0.9% ONLY	
Administration	IV Infusion (Loading Dose & Maintenance Dose) Dilute required dose in sodium chloride 0.9% to a maximum of 10mg/mL. The infusion must be prepared immediately before use and infused within one hour using an in-line filter (0.22micron). 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.	
	Required Dose Less than 500mg 50mL 500mg — 1000mg (loading doses) Greater than 1000mg (loading doses) 250mL Administer at a rate not exceeding 50mg per minute, e.g. 1g can be given over 20 minutes. Rate of 25 mg/minute or lower may be more appropriate in some patients (including the elderly and those with heart disease). Stability of the diluted solution is limited and precipitates may form. IV Injection (Maintenance doses)	
Monitoring	 Phenytoin should be injected slowly into a large vein at a rate not exceeding 50mg per minute. Rate of 25 mg/minute or lower may be more appropriate in some patients (including the elderly and those with heart disease). Continuous monitoring of ECG and blood pressure is essential. The patient should be observed for signs of respiratory depression. Monitor for signs of cardiovascular collapse and CNS depression. Phenytoin has a narrow therapeutic range; the usual total plasmaphenytoin concentration for optimum response is 10-20mg/L (or 40-80 micromol/L). Monitor levels twice weekly while on IV phenytoin or more frequently if needed. Phenytoin levels need to be corrected for albumin/renal failure 	
Extravasation	May cause tissue damage. Flush pre and post each dose with sodium chloride 0.9% to prevent phlebitis.	
Additional Information	 Phenytoin is often administered as a loading dose (based on weight) followed by a smaller maintenance dose. Double check the correct dose has been prescribed. Hypotension usually occurs with rapid IV administration of phenytoin. There are numerous drug interactions with phenytoin – check BNF. 	

Information provided relates to Epanutin® manufactured by Pfizer.