

Aminophylline

Aminophylline dosing is weight based; ensure accuracy of documented weight before administration	
CAUTION: High Administration Risk Rating	
Form	250mg per 10mL ampoule
Reconstitution	<p>Already in solution</p> <p>Discard the ampoule if the contents are discoloured.</p> <p>Dilute further before administration.</p>
Compatibility & Stability	<p>Sodium Chloride 0.9%</p> <p>Glucose 5%</p>
Administration	<p><u>Intermittent IV infusion (Loading dose)</u></p> <p>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.</p> <p>The loading dose should be diluted in 100mL and administered over at least 30 minutes.</p> <p>The rate of administration should not exceed 25mg per minute.</p> <p><u>Continuous Infusion (Maintenance dose)</u></p> <p>Dilute to a concentration of 1mg in 1mL (e.g. 500mg aminophylline in 500mL).</p> <p>Fluid restriction: Can be given by a central venous access device at higher concentrations i.e. required dose in 50mL (or undiluted).</p> <p>The rate of administration should not exceed 25mg per minute.</p>
Monitoring	<ul style="list-style-type: none"> • Serum theophylline levels should be monitored. • Monitor ECG, heart rate and blood pressure during administration. • Monitor serum potassium levels if therapy is on-going.
Extravasation	Extravasation likely to cause tissue damage.
Additional Information	<ul style="list-style-type: none"> • Aminophylline is usually prescribed as a loading dose followed by a maintenance dose. A loading dose is not normally given to patients taking oral theophylline or aminophylline; if considered necessary, defer treatment until a serum theophylline level is available. • Calculate dose on the basis of ideal body weight in obese patients to avoid excessive dosing. Refer to Ideal Body Weight calculator on Microguide. • Dose adjustment may be necessary if smoking started or stopped during treatment

Information provided relates to Aminophylline manufactured by MercuryPharma.

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