

Aminophylline

Aminophylline dosing is weight based; ensure accuracy of documented weight before administration

CAUTION: High Administration Risk Rating

Form	250mg per 10mL ampoule
Reconstitution	Already in solution Further dilute before administration
Compatibility & Stability	Sodium Chloride 0.9% Glucose 5%
Administration	<p>Intermittent IV infusion (Loading dose) The loading dose should be diluted in 100mL and administered over at least 30 minutes. The rate of administration should not exceed 25mg per minute.</p> <p>Continuous Infusion (Maintenance dose) 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 25mg/mL). The rate of administration should not exceed 25mg per minute.</p>
Monitoring	<ul style="list-style-type: none"> • Monitor ECG, heart rate and blood pressure during administration. • Monitor serum potassium levels if therapy is on-going. • Serum theophylline levels should be monitored.
Extravasation	<ul style="list-style-type: none"> • Extravasation likely to cause tissue damage. Due to high pH preferably give via a central venous access device. If this is unavailable, administer via a large peripheral vein monitoring insertion site closely.
Additional Information	<ul style="list-style-type: none"> • 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 the microguide app. • Discard the ampoule if the contents are discoloured.

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 22142 or 22546.