

This IV monograph is intended for use in Paediatric intensive care and may not be suitable for patients in other clinical areas

Aminophylline

| Drug | Dilution | Dose range | Rate calculations |
|----------------------|--|---|---|
| Aminophylline | Make a standard strength of 1mg in 1ml with Glucose 5% or Sodium Chloride 0.9% | As a bronchodilator in asthma / anaphylaxis: Loading dose (child 1 month – 18years) (Only given if no theophylline or aminophylline given in last 24 hours) 5mg / Kg over 30 minutes (Max 500mg) then IV infusion: 1 month – 12 years 1mg / Kg / hour * Child 12 – 18 years 500 micrograms / Kg / hour * * Adjusted according to plasma theophylline levels. Take first level 4 – 6 hours after starting treatment. Usual range 10–20mg/ L | For a 1mg in 1ml solution: Loading dose (child 1 month – 18yrs) 5ml / Kg over 30 minutes 1 month – 12 years 1ml / Kg / hour Child 12 – 18 years 0.5ml / Kg / hour |

Common compatibilities

- Morphine • vecuronium • potassium chloride • furosemide

Incompatibilities

- Aminophylline is **incompatible** with Midazolam, salbutamol

Written by (pharmacist signature)..... (Zoë Taylor)

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July 2010

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