

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

Phosphate

IV Phosphate should be given using:

- **Potassium Acid phosphate** (containing 1 mmol phosphate and 1 mmol potassium in 1ml) – in CD cupboard
- **Consider the child's potassium requirements (including maintenance fluids already prescribed) and remember that for every mmol of phosphate given using potassium acid phosphate 1 mmol of Potassium will also be given**

Drug	Dilution	Dose range	Rate calculations
Potassium Acid phosphate	<p>Use:</p> <p>Peripheral line: Dilute 25 times to a concentration of 0.04mmol/ml (40mmol/Litre)</p> <p>Central line Dilute 2 times to a concentration of 0.5mmol/ml</p> <p>Dilute with: Glucose 5% Or 0.9% Sodium Chloride</p>	<p>Initial doses for hypophosphataemia, give as a single dose then recheck blood levels.</p> <p>Neonate (<1 month old) 1mmol / Kg</p> <p>Child 1 month - 2 years 0.7mmol/Kg</p> <p>Child 2 years – 18 years 0.4mmol/Kg</p>	<p>Peripheral line Maximum rate of phosphate via peripheral line</p> <p>0.05mmol / Kg / hour</p> <p>Central line. Usual rate 0.25mmol/Kg/hour.</p> <p>Please note this rate can be increased if needed in emergencies but the Maximum rate of phosphate via a central line only is 0.5mmol / Kg / hour due to potassium content.</p>

Common compatibilities

Do not mix phosphate infusions with other drugs or calcium containing maintenance fluids

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