

Phosphate (Derby ONLY)
 (Potassium Acid Phosphate)

Indication	Hypophosphatemia
Dose	20mmol
Preparation	<p>Potassium Acid Phosphate 13.6% injection contains 1mmol phosphate & 1mmol potassium per ml.</p> <p>Peripheral</p> <ol style="list-style-type: none"> 1. Draw up 20ml of potassium acid phosphate (=20mmol phosphate) using a filter needle 2. Remove 20ml from a 250ml sodium chloride 0.9% bag 3. Add potassium acid phosphate to the sodium chloride 0.9% bag <p>Central</p> <ol style="list-style-type: none"> 1. Draw up 20ml (=20mmol phosphate) using a filter needle 2. Remove 20ml from a 100ml sodium chloride 0.9% bag 3. Add potassium acid phosphate to the sodium chloride bag
Administration	<p>Given by infusion over at least 2hours (Max. 10mmol/hr)</p> <ul style="list-style-type: none"> • slower infusion rates ensure better absorption where possible, aim for 6-12 hr infusion time <p>Use the "Potassium Acid Phosphate" program on a Volumetric pump. Vomed VP7000 pump will ask for a rate in mmol of phosphate per hour. Evo-IQ is an amount over time programme so you can programme total mmol over total infusion time.</p>
Shelf-life	24 hours at room temperature
Common Compatibility Issues	Potassium acid phosphate infusions should have a dedicated lumen for the duration of the infusion
Additional information	<p>** WHERE POSSIBLE REPLACE VIA ENTERAL ROUTE: USING PHOSPHATE SANDOZ 2 TABS TDS for 3-4 days **</p> <p>Reduced doses required in renal impairment.</p> <p>The normal phosphate range is 0.8-1.45 mmol/L</p> <p>A Phosphate Polyfusor or Sodium Glycerophosphate is preferable for patients with hyperkalaemia, renal failure or for patients who are fluid restricted or only have peripheral access.</p>

Sample Label	DRUGS ADDED TO THIS INFUSION			
	PATIENT A. Patient (A. Number)			WARD ICU
	DRUG Potassium Acid Phosphate in ..ml sodium chloride 0.9%	AMOUNT ... mmol (...mmol/ml)	ADD BY	CHECKED BY
	DATE ADDED TIME ADDED	EXP. DATE EXP. TIME	BATCH No.	
	DISCONTINUE IF CLOUDINESS OR PRECIPITATE DEVELOPS			

For Review December 2026

Documentation Controls

Development of Guideline:	Pharmacist – Critical Care & Theatres
Consultation with:	Pharmacy Department, Critical Care Nursing & Medical teams
Approved By:	Adult Drug Monograph Process Written/Reviewed by Munthar Miah December 2023 Checked By: James Hooley, Medicines Safety Pharmacist, Dec 2023
Review Date:	December 2026
Key contact:	Pharmacist – Critical Care & Theatres

References

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