

PHOSPHATE

Salt	Form	Strength	Elemental PO ₄ ³⁻	Other
phosphates solution	liquid	500 mg/4mL	500mg/4 mL (16 mmol/4mL)	19.3 mmol sodium/4 mL
POTASSIUM phosphate	injection		3 mmol/mL	4.4 mmol/mL potassium
SODIUM phosphate	injection		3 mmol/mL	4.0 mmol/mL sodium

Treatment of Hypophosphatemia:

Status	Route	Dose
Recent and uncomplicated hypophosphatemia	PO	phosphates solution 500mg (16 mmol, 4mL) 2-4 times daily
	IV	15 mmol PO ₄ ³⁻ IV x 1
Symptomatic hypophosphatemia	IV	15 mmol PO ₄ ³⁻ IV x 1-3 doses Higher doses of 30-45 mmol may be administered for severe deficiency (sodium phosphate formulation preferred with higher doses due to no potassium content). Additional doses should be guided by serum phosphate levels taken no sooner than 4 hours after the infusion or next morning. Also, check serum potassium and calcium levels.

Administration

Phosphate Salt	Dilution and Administration
POTASSIUM phosphate	Maximum peripheral concentration is 15 mmol PO ₄ ³⁻ (5 mL) in 250 mL NS or D5W (higher concentrations of 15 mmol/50 mL must be run centrally). Infuse 15 mmol over 2-4 hrs
SODIUM phosphate	Dilute dose in minimum 100 mL NS or D5W. Infuse 15 mMol over 2 hrs.