

Sodium Chloride 3%

Hypertonic 3% sodium chloride is no longer available 30% sodium chloride vials must be used to produce a 3% solution.			
CAUTION: High Administration Risk Rating			
Form & Storage	30% sodium chloride vials – must be diluted	Stored in antidote press	
Reconstitution	Already in solution – must be diluted further		
Compatibility & Stability	Sodium chloride 0.9%		
Administration	Volume of 30% sodium chloride (mL)	Volume of 0.9% sodium chloride (mL)	Final volume of 3% NaCl (mL)
	7.2	92.8 (100-7.2)	100
	14.4	185.6 (250-64.4)	200
	18	232 (250-18)	250
	21.6	278.2 (250+28.2)	300
	28.8	371.2 (500-128.8)	400
	36	464 (500-36)	500
e.g. to produce 250mL of 3% sodium chloride remove 18mL from a 250mL bag of 0.9% sodium chloride & discard. Then add 18mL of 30% sodium chloride to the remaining 232mL in the bag. Final concentration = 2.995%			

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 22146 or 22542