

Morphine Sulphate

Potential SALAD		
Use separate storage locations within the controlled drug cupboard such as different shelves for low strength products used for bolus administration and high strength products used to prepare infusions.		
CAUTION: High Administration Risk Rating		
Form & Storage	<ul style="list-style-type: none"> 1mg per 1mL ampoule (Preservative Free) 10mg per 1mL ampoule 30mg per 1mL ampoule 60mg per 1mL ampoule CADD Cassette 200mg in 100mL Sodium Chloride 0.9% 	Controlled Drug (CD): Must be stored in CD Press
Reconstitution	Already in Solution <ul style="list-style-type: none"> Draw up from ampoules using a 5 micron filter needle Use gloves when opening ampoules 	
Compatibility & Stability	Sodium Chloride 0.9% Glucose 5%	
Administration	IV Injection	
	Suggest draw up 1ml (10mg) and dilute with 9ml Sodium chloride 0.9% to produce a 1mg per 1ml injection solution Administer over 4 - 5 minutes (max rate 1-2mg/min)	
	IV Infusion – ITU & ED only	
	Administer using a syringe driver to control the rate of infusion. Titrate dose to desired effect. Single strength – 1mg/mL Dilute 60mg (one ampoule 60mg/mL) to 60mL with compatible fluid to form a 1mg/mL solution. Double strength – 2mg/mL Dilute 120mg (two ampoules 60mg/mL) to 60mL with compatible fluid to form a 2mg/mL solution.	
	IM Injection	
	No dilution required	
	SC Injection	
	No dilution required.	
	Continuous SC Infusion	
	Dilute required dose with WFI or sodium chloride 0.9%	
Antidote	Naloxone should be kept in all areas where opioids are administered.	
Monitoring	Blood pressure and pulse, LFTs, pain score, renal function: U, Cr, CrCl (or eGFR), sedation, respiratory rate and oxygen saturation.	
Notes	<ul style="list-style-type: none"> CADD Cassettes containing 200mg in 100 ml sodium chloride 0.9% for use in patient controlled analgesia are available from Pharmacy and must be ordered in a Controlled Drugs book. If commenced out of hours, Theatre Recovery or 4B may have a supply. For further information contact the Pain Nurse. 	

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

- IV doses of morphine have a greater analgesic effect than oral, IM or SC doses. Approximate Conversion: 1mg IV = 1 - 1.5mg IM/SC = 2 - 3mg PO.
- Administration via syringe driver is unlicensed and may increase the administration risk rating. To mitigate these risks:
 - Contact the Pharmacy Department or Palliative care team for further guidance.
 - Consult the Palliative Care Formulary accessible on www.medicinescomplete.com or the Syringe Driver Survey Database (SDSD) (available after registration on www.palliativedrugs.com) for [guidance on syringe driver compatibility](#).

Information provided relates to Morphine Sulphate (Mercury Pharmaceuticals) Morphine CADD (Georgelle)
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