

<b>Morphine (Sedation)</b>																					
<b>Indication</b>	Facilitate mechanical ventilation																				
<b>Dose</b>	Usual infusion range 0-10mg per hour (0.03-0.15mg per kg per hour)  Doses should be based on ideal body weight in obese patients																				
<b>Preparation</b>	Morphine ampoules contain 10mg per ml. <b>Standard (1mg/ml)</b> <ol style="list-style-type: none"> <li>1. Draw up 5ml (50mg) morphine into a 50ml syringe using a filter needle</li> <li>2. Draw up 45ml of sodium chloride 0.9%</li> </ol> <b>Concentrated (5mg/ml)</b> <ol style="list-style-type: none"> <li>1. Draw up 25ml (250mg) morphine into a syringe using a filter needle</li> <li>2. Draw up 25ml of sodium chloride 0.9%</li> </ol>																				
<b>Administration</b>	Can be administered via a peripheral or central line  Concentrated infusions should be infused using the "Emergency Drug" program on the Syramed SP6000 pump.																				
<b>Shelf-life</b>	24 hours at room temperature																				
<b>Common Compatibility Issues</b>	Morphine is considered compatible with crystalloid solutions, adrenaline, atracurium, cistracurium, fluconazole, labetalol, midazolam, noradrenaline and vancomycin at concentrations normally used on UHDB ICU. Please consult unit compatibility chart for more information.																				
<b>Additional information</b>	Concentrated solutions should only be used in patients with fluid restriction who are being mechanically ventilated. They must not be used for PCA.  Pre-prepared 1mg/ml syringes are available from Pharmacy. This monograph is only to be used if Pharmacy are unable to supply.  Patients with hepatic or renal dysfunction may need reduced doses and sedation scores will need to be assessed more frequently.  Morphine releases histamine and should be used with caution in those with asthma or airway disease. Fentanyl is often preferred in these patients.																				
<b>Sample Label</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="background-color: yellow; text-align: center;"><b>DRUGS ADDED TO THIS INFUSION</b></th> </tr> </thead> <tbody> <tr> <td colspan="3">PATIENT <i>A. Patient (A. Number)</i></td> <td>WARD <i>ICU</i></td> </tr> <tr> <td>DRUG <i>Morphine in 50ml sodium chloride 0.9%</i></td> <td>AMOUNT <i>50mg (1mg/ml)</i></td> <td>ADD BY</td> <td>CHECKED BY</td> </tr> <tr> <td>DATE ADDED TIME ADDED</td> <td>EXP. DATE EXP. TIME</td> <td colspan="2">BATCH No.</td> </tr> <tr> <td colspan="4" style="background-color: yellow; text-align: center;"><b>DISCONTINUE IF CLOUDINESS OR PRECIPITATE DEVELOPS</b></td> </tr> </tbody> </table>	<b>DRUGS ADDED TO THIS INFUSION</b>				PATIENT <i>A. Patient (A. Number)</i>			WARD <i>ICU</i>	DRUG <i>Morphine in 50ml sodium chloride 0.9%</i>	AMOUNT <i>50mg (1mg/ml)</i>	ADD BY	CHECKED BY	DATE ADDED TIME ADDED	EXP. DATE EXP. TIME	BATCH No.		<b>DISCONTINUE IF CLOUDINESS OR PRECIPITATE DEVELOPS</b>			
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## 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 Tien Vu December 2023
Review Date:	December 2026
Key contact:	Pharmacist – Critical Care & Theatres

## References

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\*\*\* End of Monograph \*\*\*