

Adrenaline (Derby Only)

Indication	Inotrope used to maintain blood pressure and increase cardiac output in shock states																				
Dose	Range: 0.04 - 4microgram/kg/minute Aim to keep MAP > 65 Doses based on ideal body weight																				
Preparation	Adrenaline ampoules contain 1mg/ml adrenaline <u>Standard Strength</u> 60microgram per ml <ol style="list-style-type: none"> 1. Withdraw 15ml from a 250ml bag of glucose 5% 2. Draw up 15ml of adrenaline using a filter needle 3. Add adrenaline to the glucose bag <u>Fluid Restricted Patients (central line only)</u> 160microgram per ml <ol style="list-style-type: none"> 1. Draw 8ml of adrenaline into a syringe 2. Make to 50ml with glucose 5% 320microgram per ml <ol style="list-style-type: none"> 1. Draw 16ml of adrenaline into a syringe Make to 50ml with glucose 5%																				
Administration	Continuous infusion via a Central Line only. <u>Standard Strength</u> Use Adrenaline program on VP7000 volumetric pump <u>Fluid Restricted Patients</u> Use Adrenaline program on SP6000 syringe pump																				
Shelf-life	24hours at room temperature																				
Common Compatibility Issues	Adrenaline is considered compatible with atracurium, cisatracurium, fentanyl or noradrenaline. Adrenaline is not compatible with sodium bicarbonate Check ICU compatibility chart for further information.																				
Additional information	Sodium chloride 0.9% can be used as a diluent. Use of adrenaline in this way is unlicensed but accepted practice at UHDB																				
Sample Label	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="background-color: yellow;">DRUGS ADDED TO THIS INFUSION</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>Adrenaline in 250ml glucose 5%</i></td> <td>AMOUNT <i>15mg (60mcg/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="text-align: center; background-color: yellow;">DISCONTINUE IF CLOUDINESS OR PRECIPITATE DEVELOPS</td> </tr> </tbody> </table>	DRUGS ADDED TO THIS INFUSION				PATIENT <i>A. Patient (A. Number)</i>			WARD <i>ICU</i>	DRUG <i>Adrenaline in 250ml glucose 5%</i>	AMOUNT <i>15mg (60mcg/ml)</i>	ADD BY	CHECKED BY	DATE ADDED TIME ADDED	EXP. DATE EXP. TIME	BATCH No.		DISCONTINUE IF CLOUDINESS OR PRECIPITATE DEVELOPS			
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For review JANUARY 2027

Documentation Controls

Development of Guideline:	Pharmacist – Critical Care & Theatres
Consultation with:	Pharmacy Department
Approved By:	ICU Sister's Meeting: June 2023 ICU Risk & Quality Meeting: August 2023 Surgical Division
Review Date:	January 2027
Key contact:	Pharmacist – Critical Care & Theatres

References

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