

Enoximone

Indication	Cardiac failure, or shock states where vasodilation and inotropic effect are required																				
Dose	<p>Loading Dose 1mg/kg over 30mins</p> <p>Maintenance Dose 2-15microgram/kg/minute</p>																				
Preparation	<p>Enoximone injection contains 100mg in 20ml (5mg/ml)</p> <p>1. Draw up 20ml of enoximone into a syringe using a filter needle or filter straw Dilute to 40ml with sodium chloride 0.9% to make 2.5mg/1ml solution</p>																				
Administration	Continuous infusion via a central line only																				
Shelf-life	24hours at room temperature																				
Common Compatibility Issues	Enoximone is not compatible with glucose 5% and should be run through a dedicated lumen for the duration of the infusion																				
Additional information	<p>Base initial dose on ideal body weight and titrate to effect.</p> <p>Enoximone is a very viscous solution and can be difficult to draw up.</p> <p>Maximum daily dosage usually capped at 1mg/kg/hour. Enoximone can cause supraventricular tachycardia which may warrant cessation of therapy.</p> <p>Infusion rates up to 20microgram per kg per minute have been used. However, the total dose administered per 24hours must not exceed 24mg.</p>																				
Sample Label	<table border="1" style="width: 100%; background-color: yellow;"> <tr> <th colspan="4" style="text-align: center;">DRUGS ADDED TO THIS INFUSION</th> </tr> <tr> <td colspan="3">PATIENT <i>A. Patient (A. Number)</i></td> <td>WARD <i>ICU</i></td> </tr> <tr> <td>DRUG <i>Enoximone in 40ml sodium chloride 0.9%</i></td> <td>AMOUNT <i>100mg (2.5mg/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> <th colspan="4" style="text-align: center;">DISCONTINUE IF CLOUDINESS OR PRECIPITATE DEVELOPS</th> </tr> </table>	DRUGS ADDED TO THIS INFUSION				PATIENT <i>A. Patient (A. Number)</i>			WARD <i>ICU</i>	DRUG <i>Enoximone in 40ml sodium chloride 0.9%</i>	AMOUNT <i>100mg (2.5mg/ml)</i>	ADD BY	CHECKED BY	DATE ADDED TIME ADDED	EXP. DATE EXP. TIME	BATCH No.		DISCONTINUE IF CLOUDINESS OR PRECIPITATE DEVELOPS			
DRUGS ADDED TO THIS INFUSION																					
PATIENT <i>A. Patient (A. Number)</i>			WARD <i>ICU</i>																		
DRUG <i>Enoximone in 40ml sodium chloride 0.9%</i>	AMOUNT <i>100mg (2.5mg/ml)</i>	ADD BY	CHECKED BY																		
DATE ADDED TIME ADDED	EXP. DATE EXP. TIME	BATCH No.																			
DISCONTINUE IF CLOUDINESS OR PRECIPITATE DEVELOPS																					

For review October 2026

Enoximone Dose Checker

(Only for use with 2.5mg per ml Infusions)

All rates are in ml per hour.

Ideal Body Weight (kg)	Dose of enoximone in micrograms per kg per minute											
	Increasing inotropic effect →											
	2	3	4	5	6	7	8	9	10	11	12	15
All rates below in ml per hour (Only valid for 2.5mg/ml solutions)												
45	2.16	2.7	4.32	5.4	6.48	7.56	8.64	9.72	10.8	11.88	12.96	16.2
50	2.4	3	4.8	6	7.2	8.4	9.6	10.8	12	13.2	14.4	18
55	2.64	3.3	5.28	6.6	7.92	9.24	10.56	11.88	13.2	14.52	15.84	19.8
60	2.88	3.6	5.76	7.2	8.64	10.08	11.52	12.96	14.4	15.84	17.28	21.6
65	3.12	3.9	6.24	7.8	9.36	10.92	12.48	14.04	15.6	17.16	18.72	23.4
70	3.36	4.2	6.72	8.4	10.08	11.76	13.44	15.12	16.8	18.48	20.16	25.2
75	3.6	4.5	7.2	9	10.8	12.6	14.4	16.2	18	19.8	21.6	27
80	3.84	4.8	7.68	9.6	11.52	13.44	15.36	17.28	19.2	21.12	23.04	28.8
85	4.08	5.1	8.16	10.2	12.24	14.28	16.32	18.36	20.4	22.44	24.48	30.6
95	4.56	5.7	9.12	11.4	13.68	15.96	18.24	20.52	22.8	25.08	27.36	34.2
100	4.8	6	9.6	12	14.4	16.8	19.2	21.6	24	26.4	28.8	36
105	5.04	6.3	10.08	12.6	15.12	17.64	20.16	22.68	25.2	27.72	30.24	37.8
110	5.28	6.6	10.56	13.2	15.84	18.48	21.12	23.76	26.4	29.04	31.68	39.6

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:	October 2026
Key contact:	Pharmacist – Critical Care & Theatres

References

- BMA & Pharmaceutical Press. British National Formulary October 2022.
<https://www.medicinescomplete.com/mc/bnf/current/index.htm> Accessed October 2022.
- Summary of Product Characteristics. [Microsoft Word - 1691374658528787934_spc-doc.doc \(wales.nhs.uk\)](https://www.medicinescomplete.com/mc/hid/current/index.htm) Accessed October 2022
- Trissel, L.A. Handbook on Injectable Medicines 18th Edition.
<https://www.medicinescomplete.com/mc/hid/current/index.htm> Accessed December 2018.
- Brayfield A (ed), Martindale: The Complete Drug Reference. [online] London: Pharmaceutical Press <<http://www.medicinescomplete.com/>> (accessed October 2022).
- NHS Injectable Medicines Guide. [Injectable Medicines Guide - Display - Enoximone - Intravenous - Version 11 - IVGuideDisplayMain.asp \(wales.nhs.uk\)](https://www.medicinescomplete.com/mc/hid/current/index.htm). Accessed October 2022
- UKCPA. Minimum Infusion Volumes for Fluid Restricted Critically Ill Patients. 4th Edition (December 2012).

*** End of Monograph ***

