

Cisatracurium

Indication	Paralysis during ARDS ventilation																						
Dose	Initial bolus: 0.15mg/kg Infusion: 0.12 – 0.60mg/kg/hour All doses should be based on ideal body weight.																						
Preparation	Cisatracurium vials contain 150mg in 30ml (5mg/ml) Draw up 30ml (150mg) of cisatracurium into a syringe																						
Administration	Cisatracurium can be administered via a peripheral or central line.																						
Shelf-life	24hours at room temperature																						
Common Compatibility Issues	Cisatracurium is considered compatible with dobutamine, fentanyl and midazolam. It is incompatible with Glucose 5%, Hartmann’s or propofol. See unit compatibility chart for more information.																						
Additional information	<p>Patients must be sedated whilst receiving a cisatracurium infusion as per sedation guidelines.</p> <p>Only for use during ARDS ventilation – for all other uses alternative agents (e.g. atracurium, rocuronium) exist.</p> <p>Cisatracurium is only one of the isomers of Atracurium so doses are not comparable.</p> <p>Due to supply issues, pharmacy may not be able to supply Cisatracurium OR may only be able to supply vials containing 2mg/ml.</p> <p>If 2mg/ml vials are supplied The dose checker cannot be used for this. If sent these draw up a neat infusion but use the “Emergency Drug” program on the SP6000 syringe pump.</p> <p>If Cisatracurium cannot be supplied revert to using Atracurium, following the appropriate monograph.</p>																						
Sample Label	<table border="1"> <tr> <th colspan="4">DRUGS ADDED TO THIS INFUSION</th> </tr> <tr> <td colspan="2">PATIENT <i>A. Patient (A. Number)</i></td> <td colspan="2">WARD <i>ICU</i></td> </tr> <tr> <td>DRUG <i>Cisatracurium in 30ml (Neat 5mg/ml)</i></td> <td>AMOUNT <i>150mg</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">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>Cisatracurium in 30ml (Neat 5mg/ml)</i>	AMOUNT <i>150mg</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 July 2026

Cisatracurium Dose Checker
(Only for use with 5mg per ml Infusions)

Ideal body weight (kg)	Dose of cisatracurium in mg per kg per hour				
	Increasing paralysis→				
	All Rates below are in ml per hour (Only valid for 5mg/ml infusions)				
	0.12	0.24	0.36	0.48	0.60
40	0.96	1.92	2.88	3.84	4.80
45	1.08	2.16	3.24	4.32	5.40
50	1.20	2.40	3.60	4.80	6.00
55	1.32	2.64	3.96	5.28	6.60
60	1.44	2.88	4.32	5.76	7.20
65	1.56	3.12	4.68	6.24	7.80
70	1.68	3.36	5.04	6.72	8.40
75	1.80	3.60	5.40	7.20	9.00
80	1.92	3.84	5.76	7.68	9.60
85	2.04	4.08	6.12	8.16	10.20
90	2.16	4.32	6.48	8.64	10.80
95	2.28	4.56	6.84	9.12	11.40
100	2.40	4.80	7.20	9.60	12.00
105	2.52	5.04	7.56	10.08	12.60
110	2.64	5.28	7.92	10.56	13.20

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

References

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<https://www.medicinescomplete.com/#/content/hid/a599003?hspl=cisatracurium> Accessed August 2018.
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*** End of Monograph ***