

HEART[®]

NEBULIZERS

HEART[®]

High Output Nebulizer



- Efficient high flow (10 to 15 L/min)
- 240 mL reservoir
- Up to 8 hours of nebulization at 10 L/min
- Optimal 2-3 μm particles
- High aerosol output (up to 50 mL/hr)

MiniHEART-HiFlo[®]

High Output Nebulizer



- Efficient Hi-Flo (8 L/min)
- 30 mL reservoir
- 1 hour of nebulization at 8 L/min
- Optimal 2-3 μm particles
- Ideal for Emergency Department

UniHEART[™]

Universal Nebulizer



- Low flow nebulizer (2 to 4 L/min)
- 10 mL reservoir
- Over 2 hours of nebulization at 2 L/min
- IV port for easy refill
- Optimal 2-3 μm particles
- Ideal for Emergency Department

MiniHEART-LoFlo[®]

Low Flow Nebulizer



- Efficient low flow (1 to 2 L/min)
- 30 mL reservoir
- Over 3 hours of nebulization at 2 L/min
- IV port for easy refill
- Optimal 2-3 μm particles
- Ideal for patients on ventilator

Guidelines for Preparing Hourly Doses

Use the guidelines below ($\pm 20\%$) for one hour of nebulization. Example using HEART: For prescribed dose of 10 mg/hr @ 15L/min flow – Add 2 mL medicine (5mg/mL) to 48 mL saline for 50 mL/hr output. For multiple hours of operation, multiply by the number of hours desired. If the flow is reduced to 10 L/min on this solution, the dose is reduced to 6 mg/hr.

These guidelines are no substitute for the good clinical judgment of the user.



HEART®

Flow Rate = Output	10L/min = 30 mL/hr			15L/min = 50mL/hr		
Dose (mg/hr)	5	10	15	5	10	15
Medicine 5 mg/mL (mL)	1	2	3	1	2	3
Saline (mL)	29	28	27	49	48	47
Dose (mg/hr) decreased after Reducing flow from 15 to 10 L/min	3	6	9	5	10	15

MiniHEART-HiFlo®



Flow Rate = Output	8L/min = 20 mL/hr		
Dose (mg/hr)	5	10	15
Medicine 5 mg/mL (mL)	1	2	3
Saline (mL)	19	18	17

UniHEART™



Flow Rate = Output	2L/min = 4mL/hr			4 L/min = 9 mL/hr		
Dose (mg/hr)	5	10	15	5	10	15
Medicine 5 mg/mL (mL)	1	2	3	1	2	3
Saline (mL)	3	2	1	8	7	6

MiniHEART-LoFlo®



Flow Rate = Output	2L/min = 8mL/hr					
Dose (mg/hr)	2.5	5	7.5	10	12.5	15
Medicine 5 mg/mL (mL)	0.5	1	1.5	2	2.5	3
Saline (mL)	7.5	7	6.5	6	5.5	5

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