Dosing Guidelines

HEART™ Continuous Dosing Protocol @ 10 LPM

mg/hr	Solution	1 hour	2 hours	3 hours	4 hours	5 hours	6 hours	7 hours	8 hours
2.5 mg	Medication	0.5 ml	1.0 ml	1.5 ml	2.0 ml	2.5 ml	3.0 ml	3.5 ml	4.0 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
3.0 mg	Medication	0.6 ml	1.2 ml	1.8 ml	2.4 ml	3.0 ml	3.6 ml	4.2 ml	4.8 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
3.5 mg	Medication	0.7 ml	1.4 ml	2.1 ml	2.8 ml	3.5 ml	4.2 ml	4.9 ml	5.6 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
4.0 mg	Medication	0.8 ml	1.6 ml	2.4 ml	3.2 ml	4.0 ml	4.8 ml	5.6 ml	6.4 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
4.5 mg	Medication	0.9 ml	1.8 ml	2.7 ml	3.6 ml	4.5 ml	5.4 ml	6.3 ml	7.2 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
5.0 mg	Medication	1.0 ml	2.0 ml	3.0 ml	4.0 ml	5.0 ml	6.0 ml	7.0 ml	8.0 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
7.5 mg	Medication	1.5 ml	3.0 ml	4.5 ml	6.0 ml	7.5 ml	9.0 ml	10.5 ml	12 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
10.0 mg	Medication	2.0 ml	4.0 ml	6.0 ml	8.0 ml	10.0 ml	12.0 ml	14.0 ml	16.0 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
12.5 mg	Medication	2.5 ml	5.0 ml	7.5 ml	10.0 ml	12.5 ml	15.0 ml	17.5 ml	20.0 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
15.0 mg	Medication	3.0 ml	6.0 ml	9.0 ml	12.0 ml	15.0 ml	18.0 ml	21.0 ml	24.0 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
17.5 mg	Medication	3.5 ml	7.0 ml	10.5 ml	14.0 ml	17.5 ml	21.0 ml	24.5 ml	28.0 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
20.0 mg	Medication	4.0 ml	8.0 ml	12.0 ml	16.0 ml	20.0 ml	24.0 ml	28.0 ml	32.0 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml

Use these guidelines (+20%) for continuous nebulization.

Aerosol performance is based on using a 50 psi pressure source.

HEARTS.INIFU Rev. 3 2025/12

SunMed, LLC, 2710 Northridge Dr. NW, Suite A, Grand Rapids, MI 49544 USA
Made in Mexico

HEART™ Continuous Dosing Protocol @ 15 LPM

mg/hr	Solution	1 hour	2 hours	3 hours	4 hours
2.5 mg	Medication	0.5 ml	1.0 ml	1.5 ml	2.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
3.0 mg	Medication	0.6 ml	1.2 ml	1.8 ml	2.4 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
3.5 mg	Medication	0.7 ml	1.4 ml	2.1 ml	2.8 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
4.0 mg	Medication	0.8 ml	1.6 ml	2.4 ml	3.2 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
4.5 mg	Medication	0.9 ml	1.8 ml	2.7 ml	3.6 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
5.0 mg	Medication	1.0 ml	2.0 ml	3.0 ml	4.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
7.5 mg	Medication	1.5 ml	3.0 ml	4.5 ml	6.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
10.0 mg	Medication	2.0 ml	4.0 ml	6.0 ml	8.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
12.5 mg	Medication	2.5 ml	5.0 ml	7.5 ml	10.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
15.0 mg	Medication	3.0 ml	6.0 ml	9.0 ml	12.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
17.5 mg	Medication	3.5 ml	7.0 ml	10.5 ml	14.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
20 mg	Medication	4.0 ml	8.0 ml	12.0 ml	16.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml

HEARTS.INIFU Rev. 3 2025/12

How to Use the Dosing Chart

1. Use the chart on the reverse side if you want to drive the continuous nebulizer at 10 LPM and use the chart on this side if you want to drive the continuous nebulizer at 15 LPM.

2. In the left hand column, go to the mg/hr that you want to dose.

3. Slide across to the right to the Number of hours you wish to dose. The chart will provide you with the amount of medication in ml to add and the "fill to" amount for the diluent.

EXAMPLE:

If you want to dose a patient 5.0 mg/hr for 3 hours at 15 LPM, you would add 3 ml of medication and fill the Heart to 150 ml with saline.

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

Dosing Guidelines

HEART™ Continuous Dosing Protocol @ 10 LPM

mg/hr	Solution	1 hour	2 hours	3 hours	4 hours	5 hours	6 hours	7 hours	8 hours
2.5 mg	Medication	0.5 ml	1.0 ml	1.5 ml	2.0 ml	2.5 ml	3.0 ml	3.5 ml	4.0 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
3.0 mg	Medication	0.6 ml	1.2 ml	1.8 ml	2.4 ml	3.0 ml	3.6 ml	4.2 ml	4.8 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
3.5 mg	Medication	0.7 ml	1.4 ml	2.1 ml	2.8 ml	3.5 ml	4.2 ml	4.9 ml	5.6 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
4.0 mg	Medication	0.8 ml	1.6 ml	2.4 ml	3.2 ml	4.0 ml	4.8 ml	5.6 ml	6.4 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
4.5 mg	Medication	0.9 ml	1.8 ml	2.7 ml	3.6 ml	4.5 ml	5.4 ml	6.3 ml	7.2 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
5.0 mg	Medication	1.0 ml	2.0 ml	3.0 ml	4.0 ml	5.0 ml	6.0 ml	7.0 ml	8.0 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
7.5 mg	Medication	1.5 ml	3.0 ml	4.5 ml	6.0 ml	7.5 ml	9.0 ml	10.5 ml	12 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
10.0 mg	Medication	2.0 ml	4.0 ml	6.0 ml	8.0 ml	10.0 ml	12.0 ml	14.0 ml	16.0 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
12.5 mg	Medication	2.5 ml	5.0 ml	7.5 ml	10.0 ml	12.5 ml	15.0 ml	17.5 ml	20.0 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
15.0 mg	Medication	3.0 ml	6.0 ml	9.0 ml	12.0 ml	15.0 ml	18.0 ml	21.0 ml	24.0 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
17.5 mg	Medication	3.5 ml	7.0 ml	10.5 ml	14.0 ml	17.5 ml	21.0 ml	24.5 ml	28.0 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
20.0 mg	Medication	4.0 ml	8.0 ml	12.0 ml	16.0 ml	20.0 ml	24.0 ml	28.0 ml	32.0 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml

Use these guidelines (+20%) for continuous nebulization.

Aerosol performance is based on using a 50 psi pressure source.

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SunMed, LLC, 2710 Northridge Dr. NW, Suite A, Grand Rapids, MI 49544 USA
Made in Mexico

HEART™ Continuous Dosing Protocol @ 15 LPM

mg/hr	Solution	1 hour	2 hours	3 hours	4 hours
2.5 mg	Medication	0.5 ml	1.0 ml	1.5 ml	2.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
3.0 mg	Medication	0.6 ml	1.2 ml	1.8 ml	2.4 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
3.5 mg	Medication	0.7 ml	1.4 ml	2.1 ml	2.8 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
4.0 mg	Medication	0.8 ml	1.6 ml	2.4 ml	3.2 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
4.5 mg	Medication	0.9 ml	1.8 ml	2.7 ml	3.6 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
5.0 mg	Medication	1.0 ml	2.0 ml	3.0 ml	4.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
7.5 mg	Medication	1.5 ml	3.0 ml	4.5 ml	6.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
10.0 mg	Medication	2.0 ml	4.0 ml	6.0 ml	8.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
12.5 mg	Medication	2.5 ml	5.0 ml	7.5 ml	10.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
15.0 mg	Medication	3.0 ml	6.0 ml	9.0 ml	12.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
17.5 mg	Medication	3.5 ml	7.0 ml	10.5 ml	14.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
20 mg	Medication	4.0 ml	8.0 ml	12.0 ml	16.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml

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How to Use the Dosing Chart

1. Use the chart on the reverse side if you want to drive the continuous nebulizer at 10 LPM and use the chart on this side if you want to drive the continuous nebulizer at 15 LPM.

2. In the left hand column, go to the mg/hr that you want to dose.

3. Slide across to the right to the Number of hours you wish to dose. The chart will provide you with the amount of medication in ml to add and the "fill to" amount for the diluent.

EXAMPLE:

If you want to dose a patient 5.0 mg/hr for 3 hours at 15 LPM, you would add 3 ml of medication and fill the Heart to 150 ml with saline.

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

Dosing Guidelines

HEART™ Continuous Dosing Protocol @ 10 LPM

mg/hr	Solution	1 hour	2 hours	3 hours	4 hours	5 hours	6 hours	7 hours	8 hours
2.5 mg	Medication	0.5 ml	1.0 ml	1.5 ml	2.0 ml	2.5 ml	3.0 ml	3.5 ml	4.0 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
3.0 mg	Medication	0.6 ml	1.2 ml	1.8 ml	2.4 ml	3.0 ml	3.6 ml	4.2 ml	4.8 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
3.5 mg	Medication	0.7 ml	1.4 ml	2.1 ml	2.8 ml	3.5 ml	4.2 ml	4.9 ml	5.6 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
4.0 mg	Medication	0.8 ml	1.6 ml	2.4 ml	3.2 ml	4.0 ml	4.8 ml	5.6 ml	6.4 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
4.5 mg	Medication	0.9 ml	1.8 ml	2.7 ml	3.6 ml	4.5 ml	5.4 ml	6.3 ml	7.2 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
5.0 mg	Medication	1.0 ml	2.0 ml	3.0 ml	4.0 ml	5.0 ml	6.0 ml	7.0 ml	8.0 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
7.5 mg	Medication	1.5 ml	3.0 ml	4.5 ml	6.0 ml	7.5 ml	9.0 ml	10.5 ml	12 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
10.0 mg	Medication	2.0 ml	4.0 ml	6.0 ml	8.0 ml	10.0 ml	12.0 ml	14.0 ml	16.0 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
12.5 mg	Medication	2.5 ml	5.0 ml	7.5 ml	10.0 ml	12.5 ml	15.0 ml	17.5 ml	20.0 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
15.0 mg	Medication	3.0 ml	6.0 ml	9.0 ml	12.0 ml	15.0 ml	18.0 ml	21.0 ml	24.0 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
17.5 mg	Medication	3.5 ml	7.0 ml	10.5 ml	14.0 ml	17.5 ml	21.0 ml	24.5 ml	28.0 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
20.0 mg	Medication	4.0 ml	8.0 ml	12.0 ml	16.0 ml	20.0 ml	24.0 ml	28.0 ml	32.0 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml

Use these guidelines (+20%) for continuous nebulization.

Aerosol performance is based on using a 50 psi pressure source.

HEARTS.INIFU Rev. 3 2025/12

SunMed, LLC, 2710 Northridge Dr. NW, Suite A, Grand Rapids, MI 49544 USA
Made in Mexico

HEART™ Continuous Dosing Protocol @ 15 LPM

mg/hr	Solution	1 hour	2 hours	3 hours	4 hours
2.5 mg	Medication	0.5 ml	1.0 ml	1.5 ml	2.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
3.0 mg	Medication	0.6 ml	1.2 ml	1.8 ml	2.4 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
3.5 mg	Medication	0.7 ml	1.4 ml	2.1 ml	2.8 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
4.0 mg	Medication	0.8 ml	1.6 ml	2.4 ml	3.2 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
4.5 mg	Medication	0.9 ml	1.8 ml	2.7 ml	3.6 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
5.0 mg	Medication	1.0 ml	2.0 ml	3.0 ml	4.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
7.5 mg	Medication	1.5 ml	3.0 ml	4.5 ml	6.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
10.0 mg	Medication	2.0 ml	4.0 ml	6.0 ml	8.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
12.5 mg	Medication	2.5 ml	5.0 ml	7.5 ml	10.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
15.0 mg	Medication	3.0 ml	6.0 ml	9.0 ml	12.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
17.5 mg	Medication	3.5 ml	7.0 ml	10.5 ml	14.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
20 mg	Medication	4.0 ml	8.0 ml	12.0 ml	16.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml

HEARTS.INIFU Rev. 3 2025/12

How to Use the Dosing Chart

1. Use the chart on the reverse side if you want to drive the continuous nebulizer at 10 LPM and use the chart on this side if you want to drive the continuous nebulizer at 15 LPM.

2. In the left hand column, go to the mg/hr that you want to dose.

3. Slide across to the right to the Number of hours you wish to dose. The chart will provide you with the amount of medication in ml to add and the "fill to" amount for the diluent.

EXAMPLE:

If you want to dose a patient 5.0 mg/hr for 3 hours at 15 LPM, you would add 3 ml of medication and fill the Heart to 150 ml with saline.

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

Dosing Guidelines

HEART™ Continuous Dosing Protocol @ 10 LPM

mg/hr	Solution	1 hour	2 hours	3 hours	4 hours	5 hours	6 hours	7 hours	8 hours
2.5 mg	Medication	0.5 ml	1.0 ml	1.5 ml	2.0 ml	2.5 ml	3.0 ml	3.5 ml	4.0 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
3.0 mg	Medication	0.6 ml	1.2 ml	1.8 ml	2.4 ml	3.0 ml	3.6 ml	4.2 ml	4.8 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
3.5 mg	Medication	0.7 ml	1.4 ml	2.1 ml	2.8 ml	3.5 ml	4.2 ml	4.9 ml	5.6 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
4.0 mg	Medication	0.8 ml	1.6 ml	2.4 ml	3.2 ml	4.0 ml	4.8 ml	5.6 ml	6.4 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
4.5 mg	Medication	0.9 ml	1.8 ml	2.7 ml	3.6 ml	4.5 ml	5.4 ml	6.3 ml	7.2 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
5.0 mg	Medication	1.0 ml	2.0 ml	3.0 ml	4.0 ml	5.0 ml	6.0 ml	7.0 ml	8.0 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
7.5 mg	Medication	1.5 ml	3.0 ml	4.5 ml	6.0 ml	7.5 ml	9.0 ml	10.5 ml	12 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
10.0 mg	Medication	2.0 ml	4.0 ml	6.0 ml	8.0 ml	10.0 ml	12.0 ml	14.0 ml	16.0 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
12.5 mg	Medication	2.5 ml	5.0 ml	7.5 ml	10.0 ml	12.5 ml	15.0 ml	17.5 ml	20.0 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
15.0 mg	Medication	3.0 ml	6.0 ml	9.0 ml	12.0 ml	15.0 ml	18.0 ml	21.0 ml	24.0 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
17.5 mg	Medication	3.5 ml	7.0 ml	10.5 ml	14.0 ml	17.5 ml	21.0 ml	24.5 ml	28.0 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
20.0 mg	Medication	4.0 ml	8.0 ml	12.0 ml	16.0 ml	20.0 ml	24.0 ml	28.0 ml	32.0 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml

Use these guidelines (+20%) for continuous nebulization.

Aerosol performance is based on using a 50 psi pressure source.

HEARTS.INIFU Rev. 3 2025/12

SunMed, LLC, 2710 Northridge Dr. NW, Suite A, Grand Rapids, MI 49544 USA
Made in Mexico

HEART™ Continuous Dosing Protocol @ 15 LPM

mg/hr	Solution	1 hour	2 hours	3 hours	4 hours
2.5 mg	Medication	0.5 ml	1.0 ml	1.5 ml	2.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
3.0 mg	Medication	0.6 ml	1.2 ml	1.8 ml	2.4 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
3.5 mg	Medication	0.7 ml	1.4 ml	2.1 ml	2.8 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
4.0 mg	Medication	0.8 ml	1.6 ml	2.4 ml	3.2 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
4.5 mg	Medication	0.9 ml	1.8 ml	2.7 ml	3.6 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
5.0 mg	Medication	1.0 ml	2.0 ml	3.0 ml	4.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
7.5 mg	Medication	1.5 ml	3.0 ml	4.5 ml	6.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
10.0 mg	Medication	2.0 ml	4.0 ml	6.0 ml	8.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
12.5 mg	Medication	2.5 ml	5.0 ml	7.5 ml	10.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
15.0 mg	Medication	3.0 ml	6.0 ml	9.0 ml	12.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
17.5 mg	Medication	3.5 ml	7.0 ml	10.5 ml	14.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
20 mg	Medication	4.0 ml	8.0 ml	12.0 ml	16.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml

HEARTS.INIFU Rev. 3 2025/12

How to Use the Dosing Chart

1. Use the chart on the reverse side if you want to drive the continuous nebulizer at 10 LPM and use the chart on this side if you want to drive the continuous nebulizer at 15 LPM.

2. In the left hand column, go to the mg/hr that you want to dose.

3. Slide across to the right to the Number of hours you wish to dose. The chart will provide you with the amount of medication in ml to add and the "fill to" amount for the diluent.

EXAMPLE:

If you want to dose a patient 5.0 mg/hr for 3 hours at 15 LPM, you would add 3 ml of medication and fill the Heart to 150 ml with saline.

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

Dosing Guidelines

HEART™ Continuous Dosing Protocol @ 10 LPM

mg/hr	Solution	1 hour	2 hours	3 hours	4 hours	5 hours	6 hours	7 hours	8 hours
2.5 mg	Medication	0.5 ml	1.0 ml	1.5 ml	2.0 ml	2.5 ml	3.0 ml	3.5 ml	4.0 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
3.0 mg	Medication	0.6 ml	1.2 ml	1.8 ml	2.4 ml	3.0 ml	3.6 ml	4.2 ml	4.8 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
3.5 mg	Medication	0.7 ml	1.4 ml	2.1 ml	2.8 ml	3.5 ml	4.2 ml	4.9 ml	5.6 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
4.0 mg	Medication	0.8 ml	1.6 ml	2.4 ml	3.2 ml	4.0 ml	4.8 ml	5.6 ml	6.4 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
4.5 mg	Medication	0.9 ml	1.8 ml	2.7 ml	3.6 ml	4.5 ml	5.4 ml	6.3 ml	7.2 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
5.0 mg	Medication	1.0 ml	2.0 ml	3.0 ml	4.0 ml	5.0 ml	6.0 ml	7.0 ml	8.0 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
7.5 mg	Medication	1.5 ml	3.0 ml	4.5 ml	6.0 ml	7.5 ml	9.0 ml	10.5 ml	12 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
10.0 mg	Medication	2.0 ml	4.0 ml	6.0 ml	8.0 ml	10.0 ml	12.0 ml	14.0 ml	16.0 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
12.5 mg	Medication	2.5 ml	5.0 ml	7.5 ml	10.0 ml	12.5 ml	15.0 ml	17.5 ml	20.0 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
15.0 mg	Medication	3.0 ml	6.0 ml	9.0 ml	12.0 ml	15.0 ml	18.0 ml	21.0 ml	24.0 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
17.5 mg	Medication	3.5 ml	7.0 ml	10.5 ml	14.0 ml	17.5 ml	21.0 ml	24.5 ml	28.0 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml
20.0 mg	Medication	4.0 ml	8.0 ml	12.0 ml	16.0 ml	20.0 ml	24.0 ml	28.0 ml	32.0 ml
hour	Fill to →	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	210 ml	240 ml

Use these guidelines (+20%) for continuous nebulization.

Aerosol performance is based on using a 50 psi pressure source.

HEARTS.INIFU Rev. 3 2025/12

SunMed, LLC, 2710 Northridge Dr. NW, Suite A, Grand Rapids, MI 49544 USA
Made in Mexico

HEART™ Continuous Dosing Protocol @ 15 LPM

mg/hr	Solution	1 hour	2 hours	3 hours	4 hours
2.5 mg	Medication	0.5 ml	1.0 ml	1.5 ml	2.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
3.0 mg	Medication	0.6 ml	1.2 ml	1.8 ml	2.4 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
3.5 mg	Medication	0.7 ml	1.4 ml	2.1 ml	2.8 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
4.0 mg	Medication	0.8 ml	1.6 ml	2.4 ml	3.2 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
4.5 mg	Medication	0.9 ml	1.8 ml	2.7 ml	3.6 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
5.0 mg	Medication	1.0 ml	2.0 ml	3.0 ml	4.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
7.5 mg	Medication	1.5 ml	3.0 ml	4.5 ml	6.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
10.0 mg	Medication	2.0 ml	4.0 ml	6.0 ml	8.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
12.5 mg	Medication	2.5 ml	5.0 ml	7.5 ml	10.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
15.0 mg	Medication	3.0 ml	6.0 ml	9.0 ml	12.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
17.5 mg	Medication	3.5 ml	7.0 ml	10.5 ml	14.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml
20 mg	Medication	4.0 ml	8.0 ml	12.0 ml	16.0 ml
hour	Fill to →	50 ml	100 ml	150 ml	200 ml

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How to Use the Dosing Chart

1. Use the chart on the reverse side if you want to drive the continuous nebulizer at 10 LPM and use the chart on this side if you want to drive the continuous nebulizer at 15 LPM.

2. In the left hand column, go to the mg/hr that you want to d