

ตาราง Maximum Rate รายการยา High Alert drug เทียบกับน้ำหนักผู้ป่วย
(ml/hr หรือ mcd/min)

น้ำหนัก (wt)	Dopamine inj.		Norepinephrine inj.		Dobutamine inj.	
	1 mg/ml	2 mg/ml	4 mg ใน D-5-W100 ml	8 mg ใน D-5-W100 ml	100 mg/100 ml	200 mg/100 ml
30	36.0	18.0	45.0	22.5	72.0	36.0
31	37.2	18.6	46.5	23.3	74.4	37.2
32	38.4	19.2	48.0	24.0	76.8	38.4
33	39.6	19.8	49.5	24.8	79.2	39.6
34	40.8	20.4	51.0	25.5	81.6	40.8
35	42.0	21.0	52.5	26.3	84.0	42.0
36	43.2	21.6	54.0	27.0	86.4	43.2
37	44.4	22.2	55.5	27.8	88.8	44.4
38	45.6	22.8	57.0	28.5	91.2	45.6
39	46.8	23.4	58.5	29.3	93.6	46.8
40	48.0	24.0	60.0	30.0	96.0	48.0
41	49.2	24.6	61.5	30.8	98.4	49.2
42	50.4	25.2	63.0	31.5	100.8	50.4
43	51.6	25.8	64.5	32.3	103.2	51.6
44	52.8	26.4	66.0	33.0	105.6	52.8
45	54.0	27.0	67.5	33.8	108.0	54.0
46	55.2	27.6	69.0	34.5	110.4	55.2
47	56.4	28.2	70.5	35.3	112.8	56.4
48	57.6	28.8	72.0	36.0	115.2	57.6
49	58.8	29.4	73.5	36.8	117.6	58.8
50	60.0	30.0	75.0	37.5	120.0	60.0
51	61.2	30.6	76.5	38.3	122.4	61.2
52	62.4	31.2	78.0	39.0	124.8	62.4
53	63.6	31.8	79.5	39.8	127.2	63.6
54	64.8	32.4	81.0	40.5	129.6	64.8
55	66.0	33.0	82.5	41.3	132.0	66.0
56	67.2	33.6	84.0	42.0	134.4	67.2
57	68.4	34.2	85.5	42.8	136.8	68.4
58	69.6	34.8	87.0	43.5	139.2	69.6
59	70.8	35.4	88.5	44.3	141.6	70.8
60	72.0	36.0	90.0	45.0	144.0	72.0
61	73.2	36.6	91.5	45.8	146.4	73.2
62	74.4	37.2	93.0	46.5	148.8	74.4
63	75.6	37.8	94.5	47.3	151.2	75.6
64	76.8	38.4	96.0	48.0	153.6	76.8
65	78.0	39.0	97.5	48.8	156.0	78.0
66	79.2	39.6	99.0	49.5	158.4	79.2
67	80.4	40.2	100.5	50.3	160.8	80.4
68	81.6	40.8	102.0	51.0	163.2	81.6
69	82.8	41.4	103.5	51.8	165.6	82.8
70	84.0	42.0	105.0	52.5	168.0	84.0
71	85.2	42.6	106.5	53.3	170.4	85.2
72	86.4	43.2	108.0	54.0	172.8	86.4
73	87.6	43.8	109.5	54.8	175.2	87.6

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	1 mg/ml	2 mg/ml	4 mg ใน D-5-W100 ml	8 mg ใน D-5-W100 ml	100 mg/100 ml	200 mg/100 ml
74	88.8	44.4	111.0	55.5	177.6	88.8
75	90.0	45.0	112.5	56.3	180.0	90.0
76	91.2	45.6	114.0	57.0	182.4	91.2
77	92.4	46.2	115.5	57.8	184.8	92.4
78	93.6	46.8	117.0	58.5	187.2	93.6
79	94.8	47.4	118.5	59.3	189.6	94.8
80	96.0	48.0	120.0	60.0	192.0	96.0
81	97.2	48.6	121.5	60.8	194.4	97.2
82	98.4	49.2	123.0	61.5	196.8	98.4
83	99.6	49.8	124.5	62.3	199.2	99.6
84	100.8	50.4	126.0	63.0	201.6	100.8
85	102.0	51.0	127.5	63.8	204.0	102.0
86	103.2	51.6	129.0	64.5	206.4	103.2
87	104.4	52.2	130.5	65.3	208.8	104.4
88	105.6	52.8	132.0	66.0	211.2	105.6
89	106.8	53.4	133.5	66.8	213.6	106.8
90	108.0	54.0	135.0	67.5	216.0	108.0
Potassium chloride inj. 20 mEq/10 ml (KCL)				Max. rate (ml / hr หรือ mcd/min)		
10 mEq + NSS 1000 ml				1000.0		
20 mEq + NSS 1000 ml				500.0		
30 mEq + NSS 1000 ml				333.3		
40 mEq + NSS 1000 ml				250.0		
50 mEq + NSS 1000 ml				200.0		
60 mEq + NSS 1000 ml				166.7		
70 mEq + NSS 1000 ml (Central line)				142.9		
80 mEq + NSS 1000 ml (Central line)				125.0		

สูตรคำนวณ Max. Rate

- Dopamine inj. 250 mg/10 mL

Conc. (1:1) = 1 mg/ml
(2:1) = 2 mg/ml

$$\frac{0.06 \times \text{wt} \times \text{dose}}{\text{Conc.}}$$

(20 mcg/kg/min)
- Norepinephrine bitartate inj. 4 mg/4 mL

Conc. 4mg / 100 ml
8 mg / 100 ml

$$\frac{0.06 \times \text{wt} \times \text{dose}}{\text{Conc.}}$$

(1 mcg/kg/min)
- Dobutamine inj. 250 mg/20 mL

Conc. 100 mg / 100 ml
200 mg / 100 ml

$$\frac{0.06 \times \text{wt} \times \text{dose}}{\text{Conc.}}$$

(40 mcg/kg/min)
- Potassium chloride inj. 20 mEq/10 mL (KCL)

Conc. mEq / ml

$$\frac{10}{\text{Conc.}}$$