

Jackson County Medical Control Authority

MICU Protocols
PROPOFOL (DIPRIVAN)

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Propofol (Diprivan)

Indications: IV sedative-hypnotic agent

Contra-indications: Hypersensitivity (including egg lecithin, soybean oil and glycerol).

Adverse Effects: Bradycardia, hypotension, hypertension, decreased cardiac output.

Administration: For sedation: Initial infusion, (mix 1gm Propofol in 100 ml NS or 500mg in 50 ml NS), 5 mcg/kg/min for 5 minutes. Increase rate in increments of 5 to 10 mcg/kg/min until desired level of sedation is achieved. Rates of 5 to 50 mcg/kg/min or higher may be required. An initial bolus of 0.5 mg/kg may be given over one minute if rapid initial sedation is desired.

Patient Weight

<u>mcg/kg/min</u>	<u>35 kg</u>	<u>40 kg</u>	<u>45 kg</u>	<u>50 kg</u>	<u>55 kg</u>	<u>60 kg</u>	<u>65 kg</u>	<u>70 kg</u>	<u>75 kg</u>	<u>80 kg</u>	<u>90 kg</u>	<u>100 kg</u>
<u>5 mcg</u>	1.05	1.2	1.35	1.5	1.65	1.8	1.95	2.1	2.25	2.4	2.7	3
<u>10 mcg</u>	2.1	2.4	2.7	3	3.3	3.6	3.9	4.2	4.5	4.8	5.4	6
<u>20 mcg</u>	4.2	4.8	5.4	6	6.6	7.2	7.8	8.4	9	9.6	10.8	12
<u>30 mcg</u>	6.3	7.2	8.1	9	9.9	10.8	11.7	12.6	13.5	14.4	16.2	18
<u>40 mcg</u>	8.4	9.6	10.8	12	13.2	14.4	15.6	16.8	18	19.2	21.6	24
<u>50 mcg</u>	10.5	12	13.5	15	16.5	18	19.5	21	22.5	24	27	30
<u>60 mcg</u>	12.6	14.4	16.2	18	19.8	21.6	23.4	25.2	27	28.8	32.4	36
<u>70 mcg</u>	14.7	16.8	18.9	21	23.1	25.2	27.3	29.4	31.5	33.6	37.8	42
<u>80 mcg</u>	16.8	19.2	21.6	24	26.4	28.8	31.2	33.6	36	38.4	43.2	48
<u>90 mcg</u>	18.9	21.6	24.3	27	29.7	32.4	35.1	37.8	40.5	43.2	48.6	54
<u>100 mcg</u>	21	24	27	30	33	36	39	42	45	48	54	60

ml/hr

MICU Directives:

1. Follow generalized protocol for MICU transports.
2. Maintain appropriate delivery rate by IV infusion pump.
3. Monitor vital signs every 5-10 minutes.
4. Discontinue and notify appropriate medical direction facility if patient develops severe hypotension, bradycardia or hypersensitivity occurs.