

Conway Medical Center
Conway, South Carolina

PHYSICIAN'S ORDERS
For IV Nitroprusside (NIPRIDE)
ER/ICU Only

Center Patient Admission
Label Here

With infusion of Nitroprusside, the hemodynamic responses (direct vasodilation) starts within minutes, and stops equally quickly. Uses include immediate relief of hypertensive crisis, used for patients with refractory heart failure and/or acute MI, and may be used for patients with severe mitral regurgitation.

Another brand of drug identical in form
and content may be dispensed unless checked. ☐

Drug Allergies:

The following orders will be initiated

1. Initial weight at infusion start _____ then daily weights
2. Assure large bore access IV line or central line. **DO NOT MIX WITH OTHER MEDICATIONS** – Line is to be dedicated to the Nitroprusside infusion only.
3. VS upon initiation of infusion, then Q3-5 minutes during titrations.
4. VS after titration may be Q15 minutes X 2 hrs, then Q30 min. X 2 hrs, then Q1 hr if stable
5. Infusion Mix: 50mg Nitroprusside/500ml of D5W = concentration 100mcg/ml (0.1mg/ml)
6. Infusion rate begins at 0.3 microgram/kg/min. May be titrated to 3 microgram/kg/min infusion rates for hemodynamic responses: _____

NITROPRUSSIDE (NIPRIDE) DRIP RATE CALCULATION CHART – PATIENT WEIGHT 45-90 KG (99-199 LBS)

Regular Strength (Concentration 0.1 mg/ml (50 mg/500ml))

Nitroprusside calculation: Rate = $\frac{\text{Dose X KG. Weight X 60}}{100 \text{ (concentration for 50mg/500ml)}}$

LBS	99	110	121	132	143	154	165	176	189	199	209	220	231	242	253
KG	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115
ml/hr															
10	0.37	0.33	0.31	0.28	0.26	0.24	0.23	0.21	0.19	0.19	0.180	0.170	0.160	0.150	0.145
15	0.56	0.50	0.46	0.41	0.38	0.36	0.33	0.31	0.29	0.28	0.260	0.250	0.240	0.230	0.210
20	0.74	0.67	0.61	0.56	0.51	0.48	0.44	0.42	0.39	0.36	0.350	0.330	0.320	0.310	0.290
25	0.93	0.84	0.76	0.69	0.64	0.59	0.56	0.53	0.49	0.46	0.440	0.410	0.390	0.380	0.360
30	1.11	1.00	0.91	0.83	0.74	0.71	0.67	0.63	0.59	0.56	0.530	0.500	0.480	0.460	0.435
35	1.29	1.16	1.06	0.97	0.90	0.83	0.78	0.73	0.69	0.64	0.610	0.580	0.560	0.530	0.510
40	1.48	1.33	1.21	1.11	1.02	0.95	0.89	0.83	0.79	0.74	0.700	0.670	0.640	0.610	0.580
45	1.66	1.50	1.36	1.25	1.15	1.06	1.00	0.94	0.88	0.83	0.790	0.750	0.710	0.680	0.655
50	1.85	1.67	1.50	1.39	1.28	1.19	1.11	1.04	0.98	0.93	0.880	0.830	0.790	0.760	0.725
55	2.03	1.83	1.66	1.53	1.41	1.31	1.22	1.14	1.08	1.02	0.960	0.910	0.870	0.830	0.810
60	2.22	2.00	1.82	1.67	1.54	1.43	1.33	1.25	1.18	1.11	1.050	1.000	0.950	0.910	0.870
70	2.59	2.33	2.13	1.96	1.79	1.67	1.56	1.46	1.38	1.29	1.230	1.170	1.110	1.060	1.010
80	2.96	2.67	2.43	2.23	2.05	1.91	1.78	1.67	1.57	1.48	1.410	1.330	1.270	1.240	1.160
90	3.33	3.00	2.73	2.50	2.30	2.14	2.00	1.88	1.76	1.67	1.580	1.500	1.430	1.360	1.300

NITROPRUSSIDE decomposes on exposure to light and will change from a light brown to a dark brown. Shield from light. The solution is stable for 24 hours when protected from light. Discard solution if it turns dark brown or blue green
CONTRAINDICATED Sudden, severe drop of BP, Metabolized to cyanide/thiocyanate, which may be toxic or lethal;
METHEMOGLOBINEMIA. Renal Impairment patients have increased risk at dosages >4microgram/kg/min.

MD Signature

Date

Time

Nurse # 1 verifying rate

Nurse # 2 verifying rate