

## Sodium Nitroprusside

Sodium Nitroprusside dosing is weight based; ensure accuracy of documented weight before administration

**CAUTION: High Administration Risk Rating**

<b>Form</b>	50mg/5mL powder and solvent for solution for injection																																																																																																																																																																							
<b>Reconstitution</b>	Dissolve the contents of the vial with the solvent provided. <b>Dilute further before IV administration.</b> Protect from light using the tinfoil/opaque covering. .																																																																																																																																																																							
<b>Compatibility &amp; Stability</b>	Glucose 5%																																																																																																																																																																							
<b>Administration</b>	<p><b>Continuous intravenous infusion</b> via a syringe pump.          Withdraw 50 mg (5 mL) from reconstituted vial and make up to 50 mL in a syringe pump with Glucose 5% to give a <b>1000micrograms/mL (1mg/mL) solution.</b>          The solution should be clear and may vary in colour from light brown, brownish-pink, light orange or straw.          Wrap the prepared syringe and infusion set immediately in foil/light-occlusive material.          Monitor the colour of the infusion periodically during administration and discard if discoloration has occurred.</p> <p>Infusion rate in ml per hour (<b>mL/hr</b>) is:</p> <table border="1"> <thead> <tr> <th rowspan="2">Dose microgram/ kg/min</th> <th colspan="12">Weight (Kg)</th> </tr> <tr> <th>45</th> <th>50</th> <th>55</th> <th>60</th> <th>65</th> <th>70</th> <th>75</th> <th>80</th> <th>85</th> <th>90</th> <th>95</th> <th>100</th> </tr> </thead> <tbody> <tr> <td>0.5</td> <td>1.4</td> <td>1.5</td> <td>1.7</td> <td>1.8</td> <td>2.0</td> <td>2.1</td> <td>2.25</td> <td>2.4</td> <td>2.6</td> <td>2.7</td> <td>2.9</td> <td>3</td> </tr> <tr> <td>1</td> <td>2.7</td> <td>3</td> <td>3.3</td> <td>3.6</td> <td>3.9</td> <td>4.2</td> <td>4.5</td> <td>4.8</td> <td>5.1</td> <td>5.4</td> <td>5.7</td> <td>6</td> </tr> <tr> <td>1.5</td> <td>4.1</td> <td>4.5</td> <td>5</td> <td>5.4</td> <td>5.9</td> <td>6.3</td> <td>6.8</td> <td>7.2</td> <td>7.7</td> <td>8.2</td> <td>8.6</td> <td>9</td> </tr> <tr> <td>2</td> <td>5.4</td> <td>6</td> <td>6.6</td> <td>7.2</td> <td>7.8</td> <td>8.4</td> <td>9</td> <td>9.6</td> <td>10.2</td> <td>10.8</td> <td>11.4</td> <td>12</td> </tr> <tr> <td>2.5</td> <td>6.8</td> <td>7.5</td> <td>8.3</td> <td>9</td> <td>9.8</td> <td>10.5</td> <td>11.3</td> <td>12</td> <td>12.8</td> <td>13.5</td> <td>14.3</td> <td>15</td> </tr> <tr> <td>3</td> <td>8.1</td> <td>9</td> <td>10</td> <td>10.8</td> <td>11.7</td> <td>12.6</td> <td>13.5</td> <td>14.4</td> <td>15.3</td> <td>16.2</td> <td>17.1</td> <td>18</td> </tr> <tr> <td>3.5</td> <td>9.5</td> <td>10.5</td> <td>11.6</td> <td>12.6</td> <td>13.7</td> <td>14.7</td> <td>15.8</td> <td>16.8</td> <td>17.9</td> <td>18.9</td> <td>20</td> <td>21</td> </tr> <tr> <td>4</td> <td>10.8</td> <td>12</td> <td>13.2</td> <td>14.4</td> <td>15.6</td> <td>16.8</td> <td>18</td> <td>19.2</td> <td>20.4</td> <td>21.6</td> <td>22.8</td> <td>24</td> </tr> <tr> <td>4.5</td> <td>12.2</td> <td>13.5</td> <td>14.9</td> <td>16.2</td> <td>17.6</td> <td>18.9</td> <td>20.3</td> <td>21.6</td> <td>23</td> <td>24.3</td> <td>25.7</td> <td>27</td> </tr> <tr> <td>5</td> <td>13.5</td> <td>15</td> <td>16.5</td> <td>18</td> <td>19.5</td> <td>21</td> <td>22.5</td> <td>24</td> <td>25.5</td> <td>27</td> <td>28.5</td> <td>20</td> </tr> </tbody> </table>													Dose microgram/ kg/min	Weight (Kg)												45	50	55	60	65	70	75	80	85	90	95	100	0.5	1.4	1.5	1.7	1.8	2.0	2.1	2.25	2.4	2.6	2.7	2.9	3	1	2.7	3	3.3	3.6	3.9	4.2	4.5	4.8	5.1	5.4	5.7	6	1.5	4.1	4.5	5	5.4	5.9	6.3	6.8	7.2	7.7	8.2	8.6	9	2	5.4	6	6.6	7.2	7.8	8.4	9	9.6	10.2	10.8	11.4	12	2.5	6.8	7.5	8.3	9	9.8	10.5	11.3	12	12.8	13.5	14.3	15	3	8.1	9	10	10.8	11.7	12.6	13.5	14.4	15.3	16.2	17.1	18	3.5	9.5	10.5	11.6	12.6	13.7	14.7	15.8	16.8	17.9	18.9	20	21	4	10.8	12	13.2	14.4	15.6	16.8	18	19.2	20.4	21.6	22.8	24	4.5	12.2	13.5	14.9	16.2	17.6	18.9	20.3	21.6	23	24.3	25.7	27	5	13.5	15	16.5	18	19.5	21	22.5	24	25.5	27	28.5	20
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<b>Monitoring</b>	<ul style="list-style-type: none"> <li>Monitor blood pressure continuously.</li> <li>Check the heart rate, acid-base equilibrium and blood concentration of cyanides. In the presence of renal and/or hepatic insufficiency, or when the treatment has lasted longer than 3 days or doses exceed 4 micrograms/kg/minute, the blood levels of cyanides and/or thiocyanates should be monitored. Monitor daily blood pH (cyanide toxicity includes acidosis)</li> </ul>																																																																																																																																																																							
<b>Side-effects</b>	<ul style="list-style-type: none"> <li>Nervousness, agitation, disorientation, headache, GI upset, Hypotension, ECG changes, palpitations, precordial pain, bradycardia.</li> </ul>																																																																																																																																																																							
<b>Additional Information</b>	<ul style="list-style-type: none"> <li>Protect from light, even during administration.</li> <li>Avoid abrupt discontinuation; withdraw gradually over 15-30 minutes.</li> <li>Contains sodium – care if patient on low-sodium diet.</li> <li>Nitroprussiat Fides® is entirely incompatible with other medicinal products</li> </ul>																																																																																																																																																																							

**Information provided relates to Nitroprussiat Fides® manufactured by Meda Pharma SL**

*This information has been summarised to act as a guide for those administering IV medication. The monograph should be used in conjunction with the drug data sheet and BNF for information on dose, adverse effects, cautions and contra-indications. Further information is available from pharmacy on 22142 or 22546.*