

**Jackson County Medical Control Authority**  
**MICU Protocols**  
**DOBUTAMINE (DOBUTREX)**

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***Dobutamine (Dobutrex)***

**Indications:** Patients with non-hypovolemic hypotension or low cardiac output along with pulmonary congestion.

**Administration:** Mix 250 mg Dobutamine in 250 cc of 0.9% NS or 5% Dextrose in water. Begin administering at 2 mcg/kg/min, titrate to systolic BC > 90 mmHg at lowest possible dose. Maximum dose 20 mcg/kg/min.

**Patient Weight**

| <b><i>mcg/kg/min</i></b> | <b><i>2.5 kg</i></b> | <b><i>5 kg</i></b> | <b><i>10 kg</i></b> | <b><i>20 kg</i></b> | <b><i>30 kg</i></b> | <b><i>40 kg</i></b> | <b><i>50 kg</i></b> | <b><i>60 kg</i></b> | <b><i>70 kg</i></b> | <b><i>80k g</i></b> | <b><i>90 kg</i></b> | <b><i>100 kg</i></b> |
|--------------------------|----------------------|--------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|
| <b><i>2 mcg</i></b>      |                      |                    | <u>1</u>            | <u>2</u>            | <u>4</u>            | <u>5</u>            | <u>6</u>            | <u>7</u>            | <u>8</u>            | <u>10</u>           | <u>11</u>           | <u>12</u>            |
| <b><i>5 mcg</i></b>      |                      | <u>1.5</u>         | <u>3</u>            | <u>6</u>            | <u>9</u>            | <u>12</u>           | <u>15</u>           | <u>18</u>           | <u>21</u>           | <u>24</u>           | <u>27</u>           | <u>30</u>            |
| <b><i>10 mcg</i></b>     | <u>1.5</u>           | <u>2</u>           | <u>6</u>            | <u>12</u>           | <u>18</u>           | <u>24</u>           | <u>30</u>           | <u>36</u>           | <u>42</u>           | <u>48</u>           | <u>54</u>           | <u>60</u>            |
| <b><i>15 mcg</i></b>     | <u>2</u>             | <u>5</u>           | <u>9</u>            | <u>18</u>           | <u>27</u>           | <u>36</u>           | <u>45</u>           | <u>54</u>           | <u>63</u>           | <u>72</u>           | <u>81</u>           | <u>90</u>            |
| <b><i>20 mcg</i></b>     | <u>3</u>             | <u>6</u>           | <u>12</u>           | <u>24</u>           | <u>36</u>           | <u>48</u>           | <u>60</u>           | <u>72</u>           | <u>84</u>           | <u>96</u>           | <u>108</u>          | <u>120</u>           |

*ml/hr*

**MICU Directives:**

1. Follow generalized protocol for MICU transports.
2. Monitor vital signs every 5-10 minutes.
3. Avoid increases in heart rate greater than 10%.
4. If tachyarrhythmias or ventricular ectopy occur, consider decreasing dose.
5. Caution in use in patients with MI, as may increase infarct.
6. If an invasive arterial line monitoring device is present and compatible with MICU equipment, continue monitoring during transport.