



**Sodium Bicarbonate**  
MEDICATION REFERENCE CARD

<b>INDICATION</b>	<ul style="list-style-type: none"> <li>• Crush Injury</li> <li>• Suspected hyperkalemia</li> <li>• Cyclic Antidepressant overdose/poisoning</li> </ul>
<b>CONTRA-INDICATION</b>	<ul style="list-style-type: none"> <li>• Alkalosis</li> <li>• Hypokalemia</li> <li>• Hypocalcemia</li> <li>• Hyponatremia</li> <li>• Acute renal failure</li> <li>• Burns or crush injuries longer than 8 hours old</li> </ul>
<b>SIDE EFFECTS</b>	<ul style="list-style-type: none"> <li>• Alkalosis</li> <li>• Hypokalemia</li> <li>• Hyponatremia</li> <li>• Pulmonary edema</li> </ul>
<b>ADULT DOSE</b>	<p><b>T-04:</b> Crush Syndrome</p> <ul style="list-style-type: none"> <li>• 100 mEq IV/IO.</li> <li>• After extrication, consider additional dose after Base Hospital consult</li> </ul> <p><b>C-02:</b> Asystole/Pulseless Electrical Activity</p> <ul style="list-style-type: none"> <li>• 100 mEq IV/IO if hyperkalemia is suspected. May repeat once in 5 minutes</li> </ul> <p><b>C-03:</b> Ventricular Fibrillation/Pulseless Ventricular Tachycardia</p> <ul style="list-style-type: none"> <li>• 100 mEq IV/IO if hyperkalemia is suspected. May repeat once in 5 minutes</li> </ul> <p><b>M-09:</b> Poisoning/Overdose (Tricyclic Antidepressants Only)</p> <ul style="list-style-type: none"> <li>• 100 mEq IV/IO in the presence of life threatening dysrhythmias. Repeat dosing every 5 minutes until there is QRS narrowing and clinical improvement.</li> </ul>
<b>PEDIATRIC</b>	<ul style="list-style-type: none"> <li>• See <a href="#">Pediatric Medication Reference Cards</a></li> </ul>
<b>CAUTION</b>	<ul style="list-style-type: none"> <li>• Deactivates vasopressors</li> <li>• Precipitates with Calcium Chloride may cause electrolyte imbalances</li> </ul>
<b>ACTIONS</b>	<ul style="list-style-type: none"> <li>• Combines with excessive acids to form a weak volatile acid. It also binds tricyclics to serum proteins through alkalization. It is a buffer in metabolic acidosis and assists with shifting potassium into cells. It is also seen to be effective if correcting acidosis secondary to hyperkalemia.</li> </ul>

**GUIDELINE**

- [C-02](#): Asystole/Pulseless Electrical Activity
- [C-03](#): Ventricular Fibrillation/Pulseless Ventricular Tachycardia
- [T-04](#): Crush Syndrome
- [M-09](#): Poisoning/Overdose