

Sodium Bicarbonate

<u>Generic Name:</u>	<u>Brand Name:</u>	<u>Drug Class:</u>
Sodium Bicarbonate	Neut, Bell-ans	Electrolyte
<u>Mechanism of Action:</u>	<u>Time to Onset:</u>	<u>Duration of Effects:</u>
Buffer for metabolic acidosis and excess lactic acid	Immediate	10 minutes
<u>Indications:</u>	<u>Contraindications:</u>	<u>Possible Side Effects:</u>
<ul style="list-style-type: none"> • Prolonged cardiac arrest • Cardiac arrest w/ hyperkalemia • Tricyclic antidepressant overdose • Crush syndrome 	<ul style="list-style-type: none"> • Hypokalemia • Hypocalcemia <p>Use caution in:</p> <ul style="list-style-type: none"> • Antibiotic use • NSAIDs 	<ul style="list-style-type: none"> • Metabolic alkalosis • Headache • Tremors • Bradycardia • Tissue necrosis
<u>Administration Route:</u>	<u>Adult dose:</u>	<u>Pediatric dose:</u>
<ul style="list-style-type: none"> • IV • IO 	1 mEq/kg. Can repeat at half dose every 10 minutes	Contact medical control. If administered, will need to be diluted.
<p>Sodium bicarbonate precipitates when mixed with calcium chloride. If both of these medications must be administered to a patient, separate IV sites must be used or significant flushing of the site must occur between them. Sodium bicarbonate can deactivate catecholamines and vasopressors like dopamine and nor/epinephrine. These medications should not be administered simultaneously.</p>		