

	<b>M18 - SODIUM BICARBONATE (8.4%)</b>	
	MEDICATION STANDING ORDER	<b>HIGH-ALERT MEDICATION <sup>1</sup></b>
Version date: 2023-12-19		Effective date: 2024-01-16 (0700)

INDICATIONS
<ul style="list-style-type: none"> <li>• Cardiac arrest due to known or suspected tricyclic antidepressant (TCA) overdose</li> <li>• Known TCA overdose with malignant cardiac rhythm or unstable hemodynamics</li> <li>• Hyperkalemia (refer to M10)</li> </ul>

CONTRAINDICATIONS
<ul style="list-style-type: none"> <li>• Not applicable</li> </ul>

CARDIAC ARREST / UNSTABLE TCA OVERDOSE		
ROUTE (WORK SCOPE)	INITIAL DOSE	REPEAT DOSE
INTRAVENOUS / INTRAOSSEOUS (ICP & ABOVE)	17 years & older – 150 mEq (150 ml)	None
	72 hours to 17 years - 2 mEq/kg (max = 150 ml)	

HYPERKALEMIA		
ROUTE (WORK SCOPE)	INITIAL DOSE	REPEAT DOSE
INTRAVENOUS / INTRAOSSEOUS (ICP & ABOVE)	10 years & older - 50 to 100 mEq (50 - 100 ml)	Once in 5 minutes if ECG signs persist & every 30 - 60 minutes if ECG signs recur

NOTES
<ol style="list-style-type: none"> <li>1. ERS HIGH-ALERT MEDICATION: Refer to Shared Health Provincial Clinical Standard - Safety Controls for High-Alert Medications (refer to A03 - HIGH ALERT MEDICATIONS).</li> <li>2. During cardiac arrest administer bicarbonate by rapid push followed by saline flush. In non-arrest, administer by slow push over 2 to 3 minutes each with continuous cardiac monitoring.</li> </ol>

3. Sodium bicarbonate is not compatible with calcium salts (flush intravenous tubing well between administration of calcium and bicarbonate).

<b>LINKS</b>
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M10 – HYPERKALEMIA THERAPY
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<b>APPROVED BY</b>	
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Medical Director - Provincial EMS/PT	Associate Medical Director - Provincial EMS/PT
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<b>VERSION CHANGES (refer to X08 for change tracking)</b>
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| <ul style="list-style-type: none"> <li>• Addition of Shared Health Provincial Clinical Standard for high-alert medications</li> </ul> |
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