



Yolo County Emergency Medical Services Agency

Quick Reference

Revised Date: December 14, 2018

Medication Profile

Normal Saline 0.9%

Class:

Isotonic Crystalloid Solution that contains 154mEq/L of sodium ions and approximately 154mEq/L of chloride ions. Because the concentration of sodium is near that of the blood, the solution is considered isotonic.

Action:

Normal Saline replaced water and electrolytes.

Onset: 10-15 minutes

Peak: 1-hour

Duration: 4-6 hours

Indications:

Shock
Crush injury
Burns
Hypotension
Heat illness
Sepsis
Tachycardia
Traumatic cardiac arrest

Contraindications:

Side Effects:

Notes:

- The use of 0.9% NaCl should not be considered in patients with congestive heart failure because circulatory overload can easily be induced.
- When large amounts of normal saline are administered, it is quite possible for other physiological electrolytes to become depleted.

This document is not a substitute for Protocols and Procedures.

Effective Date: January 1, 2019

Page 1 of 1