



**El Dorado County Emergency Medical
Services Agency**
Quick Reference

Revised Date: July 1, 2020

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

Adult Administration:

- Flow rate dependent on patient's condition
- Titrate to response of vital signs
- Fluid challenge = 250-500mL

Pediatric Administration:

- Flow rate dependent on patient's condition
- Titrate to response of vital signs
- Fluid challenge = 20mL/kg

Indications:

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

Contraindications:

Side Effects:

Circulatory fluid overload

Pregnancy:

Category A

Notes:

- Monitor infusion rate closely and auscultate breath sounds prior to administration