



El Dorado County Emergency Medical Services Agency

Quick Reference

Revised Date: October 18th, 2024

Medication Profile

Lactated Ringers Solution

Class:

Sodium Chloride based isotonic crystalloid solution additionally containing Sodium Lactate (3.1g/L), Potassium Chloride (0.3g/L) and Calcium Chloride (0.2g/L).

Action:

Supplements circulatory volume as a source of water and electrolytes. Mildly alkalinizing.

Onset: N/A

Peak: N/A

Duration: N/A

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
Hypovolemic states
Initiating IV access
Maintaining IV access
All non-pharmacologic applications of NaCl 0.9%

Contraindications:

Not to be used for drug infusions

Side Effects:

Circulatory fluid overload

Pregnancy:

Category A

Notes:

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