

Clinical level:



DRUG NAME	HARTMANN'S SOLUTION
Class	Isotonic crystalloid solution.
Descriptions	Hartmann's solution is an isotonic crystalloid solution containing Sodium chloride 0.6%, Sodium lactate 0.25%, Potassium chloride 0.04%, Calcium chloride 0.027%.
Presentation	500 mL & 1000 mL. Soft pack for infusion.
Administration	Intravenous (IV) infusion. Intraosseous (IO) infusion. Paramedic: maintain infusion once commenced. (CPG: 4/5/6.4.9, 5/6.4.18, 5/6.4.21, 4/5/6.4.26, 5/6.6.2, 4/5/6.6.4, 5/6.7.8, 5/6.7.12, 5/6.7.13, 4/5/6.7.16).
Indications	Shock. Anaphylaxis. Decompression illness. Burns. Symptomatic bradycardia (paediatric).
Contra-Indications	Known severe adverse reaction.
Usual Dosages	Adult: Shock; 500 mL IV/IO infusion. Repeat in aliquots of 250 mL prn to maintain systolic BP of; 100 mmHg (hypovolaemia or septic), 90 – 100 mmHg (Head injury GCS >8), 120 mmHg (Head injury GCS ≤ 8). Anaphylaxis; 1000 mL IV/IO infusion. Repeat x one Decompression illness; 500 mL IV/IO infusion. Burns, > 10% TBSA consider 500 mL > 25% TBSA and or 1 hour from time of injury to ED; 1000 mL IV/IO infusion. Paediatric: Shock; 20 mL/Kg IV/IO. Repeat as indicated to maintain palpable brachial pulse. Anaphylaxis; 20 mL/Kg IV/IO. Repeat x one Symptomatic bradycardia; 20 mL/Kg IV/IO. Burns, > 10% TBSA and or 1 hour from time of injury to ED; 5 – 10 years: 250 mL IV/IO. >10 years: 500 mL IV/IO.
Pharmacology/Action	Increases extracellular volume.
Side effects	If administered in large amounts may cause oedema.
Additional information	Observe caution with patients with history of heart failure Also called: Sodium Lactate Intravenous Solution or Compound Ringer Lactate Solution for Injection Warm fluids prior to administration if possible.