

NEONATAL RESUSCITATION MEDICATIONS AND SUPPLIES

DOCUMENT TYPE: REFERENCE TOOL

Medications	Concentration	Preparation	Dose and Route	Quick Dose Check	Rate
Epinephrine ET	0.1 mg/mL	Draw up in a 3-5 mL syringe and label: 'Epi ET'	1 mL/kg via ET (0.1mg/kg)	1 kg = 1 mL 2 kg = 2 mL 3 kg = 3 mL 4 kg = 4 mL	Rapid Do not follow with a flush
Epinephrine UVC* / IV / IO *preferred route	0.1 mg/mL	Draw up in a 1 mL syringe and label: 'Epi UVC' or 'Epi IV' or 'Epi IO'	0.2 mL/kg via UVC/ IV / IO (0.02 mg/kg)	1 kg = 0.2 mL 2 kg = 0.4 mL 3 kg = 0.6 mL 4 kg = 0.8 mL	Rapid Follow with 3 mL 0.9% NaCl flush <i>First dose may be given via ET while UVC inserted</i>
Volume Expanders	0.9% NaCl (<i>normal saline</i>) O-negative PRBC <i>Emergency release from Transfusion Medicine</i>	40 mL	10 mL/kg via UVC/ IV/ IO	1 kg = 10 mL 2 kg = 20 mL 3 kg = 30 mL 4 kg = 40 mL	Over 5 to 10 minutes

Adapted from Neonatal Resuscitation Program 8th Edition: [Chapter 7: Medications](#)

Supply Kits (2 per Drug Bag)

1. **0.9% Sodium Chloride 10mL Pre-Filled Syringe**
2. **1 mL syringe (2)**
3. **3-5 mLsyringe Fluid Dispensing Connector (2)**

Key: IV = intravenous
≥ = equal to or greater than
ET = endotracheal tube
kg = kilogram
mg = milligram

mL = millilitre
NaCl = sodium chloride
PRBC = packed red blood cells
UVC = umbilical venous catheter
IO = intraosseous

Developed By

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Version History

DATE	DOCUMENT NUMBER and TITLE	ACTION TAKEN
24-Jan-2022	C-06-14-62024 Neonatal Resuscitation Medication and Supplies	Approved at: Neonatal Leadership Committee

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