

Medications for Neonatal Resuscitation

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Medications for Neonatal Resuscitation	Concentration to Administer	Route	Dosage Or Preparation	Rate/Precautions
Epinephrine CAUTION: 2 Routes 2 Dosages	1:10,000	Umbilical vein	0.1-0.3 ml/kg IV Draw up in a 1 ml syringe	Give rapidly Follow with a 0.5 to 1ml NS flush to ensure drug reaches the bloodstream
	1:10,000	Intratracheal (ET Tube) while IV access being obtained	0.5- 1 ml/kg via ETT Draw up in a 5 or 6 ml syringe	Give rapidly, directly into ETT Follow with positive pressure ventilation
Volume expanders	Normal Saline (recommended) Acceptable: Ringer's lactate, O Rh negative PRBCs	Umbilical vein	10 ml/kg Draw estimated volume needed into large syringe(s)	Give over 5-10 minutes Give by syringe or infusion pump
Post-Resuscitation Medications				
Sodium bicarbonate	0.5 mEq/ml (4.2% soln)	Large vein with good blood return; usually the umbilical vein	2 mEq/kg/dose Prepare 20 ml prefilled syringe or 2 10 ml prefilled syringes	Give slowly, no faster than 1 mEq/kg/minute Give only if newborn lungs are being adequately ventilated NEVER give via ETT
Naloxone hydrochloride (NARCAN)	1 mg/ml	IV route preferred IM route acceptable, but delayed onset of action	0.1 mg/kg Prepare 1 ml of 1 mg/ml solution in a 1 ml syringe	Give rapidly Do not give to newborn of mother suspected of being addicted to narcotics or on methadone maintenance, as it may result in seizures