

Basic Equipment for Most Neonatal Resuscitation Program Courses

Basic Equipment and Supplies Needed for Most Neonatal Resuscitation Program Courses	
<ul style="list-style-type: none"> • Newborn manikin • Intubation head or full-body intubation manikin • Stethoscope • Gloves 	
Warm	<ul style="list-style-type: none"> • Radiant warmer or simulation (tabletop) with surface area to hold equipment
Position	<ul style="list-style-type: none"> • Small towel or cloth diaper for optional shoulder roll
Suction	<ul style="list-style-type: none"> • Bulb syringe • Mechanical suction (or simulation) and suction tubing • Suction device such as 10F or 12F suction catheter • Meconium aspirator device
Dry	<ul style="list-style-type: none"> • Towel or blanket to dry newborn
Ventilate	<ul style="list-style-type: none"> • Device(s) for delivering positive-pressure ventilation, capable of delivering 90% to 100% oxygen (or simulating) • Face masks (all available sizes) • Oxygen tubing • Oxygen or air source with flowmeter and nipple adapter (required for use with flow-inflating bag) • Oxygen mask, tubing, or flow-inflating bag and mask (to deliver free-flow oxygen) • 8F feeding tube and 20-mL syringe • Oral airways (various sizes)
Intubate	<ul style="list-style-type: none"> • Intubation head if testing “performing intubation” • Access to clock or watch with second hand • Laryngoscope with straight blades, size 0 (preterm) and size 1 (term) • Endotracheal tubes sizes 2.5, 3.0, 3.5, and 4.0 • Stylet (optional) • Scissors • Tape or securing device for endotracheal tube • CO₂ detector or capnograph

Medicate	<ul style="list-style-type: none"> • Epinephrine 1:10,000 in 3-mL or 10-mL ampules (or substitute water) • Naloxone hydrochloride, 1.0 mg/mL — 2-mL ampules (or substitute water) • Volume expander: normal saline (preferred), Ringer’s lactate (or substitute water) • Sodium bicarbonate, 4.2% (5 mEq/10 mL) — 10-mL ampules (or substitute water) • Assorted syringes, needles, or puncture devices/needleless system supplies • Medication labels and waterproof pen • Non-bacteriostatic normal saline vial (or substitute water) • Equipment for emergency umbilical venous catheter placement <ul style="list-style-type: none"> – Umbilical tape – Scalpel blade and handle – Antiseptic prep solution (may simulate with cotton-tipped applicators) – Curved forceps or hemostat to stabilize umbilical cord or catheter – 10-cc and 20-cc syringes – Volume expander of choice (such as 100-mL bag of normal saline) – Needle or puncture device to access volume expander – Umbilical catheters, 3.5F, 5F – Three-way stopcocks – Securing device for umbilical venous catheter (optional)
Available for each course	<ul style="list-style-type: none"> • Silicone spray for use with some types of intubation heads • Extra balloons and rubber bands for intubation head “lungs” • Extra bulbs and batteries for laryngoscope • Oxygen regulator and key or wrench for oxygen tank if oxygen is used
Optional	<ul style="list-style-type: none"> • Metronome to simulate various newborn heart rates • Cardiac monitor/leads/alcohol sponges • Umbilical cord model for umbilical venous catheter placement practice station (Chapter 8) • Intubation doll (Chapter 8) • Laryngeal mask airway • T-piece resuscitator <p>For resuscitation of very preterm babies,</p> <ul style="list-style-type: none"> • Food-grade polyethylene bag (1-gallon size) or plastic wrap • Pulse oximeter and oximeter probe • Oxygen blender (may draw this on cardboard and simulate its use) • Chemically activated warming pad