



**NICU (907) 212-3614 – Ask for attending neonatologist on call.**

GESTATIONAL AGE (weeks)	24	26	28	30	32	34	36	38	40
ESTIMATED WEIGHT (grams)	700	900	1100	1350	1650	2100	2600	3000	3500
<b>EQUIPMENT/SUPPLIES: NG/OG Tube - 5 French + UVC &lt;32 weeks - 3.5 French + UVC ≥32 weeks - 5 French + UAC - 3.5 French for all gestational ages</b>									
Laryngoscope Blade	00	00	00	0	0	0	0	0-1	0-1
ETT Size	2.5	2.5	2.5-3.0	3.0	3.0	3.0-3.5	3.5	3.5-4.0	3.5-4.0
ETT Depth lip to tip. <i>Place at T2 above the carina.</i>	6.5-7 cm	6.5-7 cm	7 cm	7-7.5 cm	7.5 cm	8 cm	8.5 cm	9 cm	9.5 cm
UVC insertion. <i>Place just above diaphragm. Add umbilical stump length. May insert UVC 2-4 cm for emergency access.</i>	6.5 cm	6.9 cm	7.2 cm	7.5 cm	8 cm	8.7 cm	9.4 cm	10 cm	10.8 cm
UAC insertion. <i>Add umbilical stump length. High line at T6-T9 (preferred).</i>	11.1 cm	11.7 cm	12.3 cm	13 cm	14 cm	15.3 cm	16.8 cm	18 cm	19.5 cm
UAC insertion. <i>Low line at L3-L4. Add umbilical stump length.</i>	7.7 cm	7.9 cm	8.1 cm	8.4 cm	8.7 cm	9.1 cm	9.6 cm	10 cm	10.5 cm
Needle decompression. <i>See kit and protocol in neonatal code cart.</i>	18 gauge	18 gauge	18 gauge	18 gauge	18 gauge	16 gauge	16 gauge	16 gauge	16 gauge
<b>VITAL SIGNS: Heart Rate 120-160 + Respiratory Rate 30-60 + Mean Blood Pressure = Gestational age in weeks</b>									
<b>INITIAL VENTILATOR SETTINGS</b>									
Positive Inspiratory Pressure (PIP) cm H <sub>2</sub> O	16-22	16-22	16-22	16-22	18-24	18-24	18-24	20-28	20-28
Positive End Expiratory Pressure (PEEP) cm H <sub>2</sub> O	4-6	4-6	4-6	4-6	4-6	5-6	5-6	5-6	5-6
Inspiratory Time (seconds)	0.3-0.35	0.3-0.35	0.3-0.35	0.3-0.35	0.3-0.35	0.3-0.35	0.35-0.4	0.35-0.4	0.35-0.4
Respiratory Rate (breaths per minute)	30-45	30-45	30-45	30-45	20-40	20-40	20-40	20-40	20-40
Saturation Goal after 10 Minutes	88-95%	88-95%	88-95%	88-95%	88-95%	88-95%	88-95%	95-98%	95-98%
<b>MEDICATIONS</b>									
Epinephrine <b>IV/IO 0.1 mg/mL</b> 0.1-0.3 mL/kg. <i>May repeat every 3 minutes for asystole.</i>	0.1-0.2 mL	0.1-0.3 mL	0.1-0.3 mL	0.1-0.4 mL	0.2-0.5 mL	0.2-0.6 mL	0.3-0.8 mL	0.3-0.9 mL	0.4-1 mL
Epinephrine <b>ET ONLY 0.1 mg/mL</b> 1 mL/kg. <i>May repeat every 3 minutes for asystole.</i>	0.7 mL	0.9 mL	1.1 mL	1.3 mL	1.6 mL	2.1 mL	2.6 mL	3 mL	3.5 mL
Curosurf (poractant alfa 80 mg/mL) 2.5 mL/kg. Give Curosurf <26 weeks OR 26-29 weeks requiring ≥40% FiO <sub>2</sub> OR >29 weeks with CXR-proven RDS.	1.8 mL	2.2 mL	2.8 mL	3.4 mL	4 mL	5.2 mL	6.6 mL	7.6 mL	8.8 mL
<b>FOR HYPOGLYCEMIA:</b> Give D10 bolus 2 mL/kg IV/IO at 1 mL/min. Increase D10 maintenance fluid rate by 1 mL/hour for <2 kg or 2 mL/hour for ≥2 kg.	1.4 mL	1.8 mL	2.2 mL	2.7 mL	3.3 mL	4.2 mL	5.2 mL	6 mL	7 mL
Ampicillin ( <b>Dilute to 100 mg/mL</b> ) 50 mg/kg IV/IM	35 mg (0.35 mL)	45 mg (0.45 mL)	55 mg (0.55 mL)	68 mg (0.68 mL)	83 mg (0.83 mL)	105 mg (1.05 mL)	130 mg (1.3 mL)	150 mg (1.5 mL)	175 mg (1.75 mL)
Gentamicin (2 mg/mL) 5 mg/kg IV as one-time dose. May give IM. <b>DO NOT USE IN VILLAGE.</b>	3.5 mg (1.75 mL)	4.5 mg (2.25 mL)	5.5 mg (2.75 mL)	6.8 mg (3.4 mL)	8.2 mg (4.1 mL)	10.4 mg (5.2 mL)	13 mg (6.5 mL)	15 mg (7.5 mL)	17.6 mg (8.8 mL)
Volume Expanders: NS or albumin 10 mL/kg IV/IO. Give over 15-30 minutes; give faster if unstable; give slower for extreme premies.	7 mL	9 mL	11 mL	13.5 mL	16.5 mL	21 mL	26 mL	30 mL	35 mL
D10 Maintenance Fluids: <750 grams give 90-100 mL/kg/24 hours + ≥750 grams give 80 mL/kg/24 hours. Goal blood glucose is 35-110 mg/dL.	3 mL/hour	3 mL/hour	3.7 mL/hour	4.5 mL/hour	5.5 mL/hour	7 mL/hour	8.7 mL/hour	10 mL/hour	12 mL/hour
Phenobarbital (130 mg/mL) 10 mg/kg IV/IO/IM/PR. May give additional 10 mg/kg dose.	7 mg (0.05 mL)	9 mg (0.07 mL)	11 mg (0.08 mL)	13.5 mg (0.1 mL)	16.5 mg (0.13 mL)	21 mg (0.16 mL)	26 mg (0.2 mL)	30 mg (0.23 mL)	35 mg (0.27 mL)



## **Epinephrine 0.1 mg/mL**

- This is the pre-filled syringe concentration.
- Draw up doses by inserting needle through the thick rubber stopper.

## **Ampicillin 100 mg/mL**

### Products needed:

- Ampicillin 500 mg vial
- Sterile water for injection, 10 mL vial

### How to mix:

1. Reconstitute 500 mg vial with 4.8 mL sterile water for injection. This will result in a 100 mg/mL final concentration.
2. The Neonatal Resuscitation Summary (page 1) lists the total dose and volume – draw up dose from vial.
3. Dose must be used within 1 hour of reconstitution.

### Administration:

- Doses less than 500 mg can be injected via slow IV push over 3 to 5 minutes.
- Not compatible with D10W.
- Administer before gentamicin – do not administer at the same time.

## **Gentamicin 2 mg/mL**

### Product needed:

- Gentamicin 100 mg/50 mL pre-mixed bag.

**DO NOT ADMINISTER THE BAG – the dose will be administered via syringe pump.**

The Neonatal Resuscitation Summary (page 1) lists the total dose and volume – draw up this volume from the bag and **immediately dispose of the bag.**

### Administration:

- Administer after ampicillin – do not administer at the same time.
- Administer via **syringe pump** over 30 minutes.
- Compatible with D10W.