Newborn Life Support

At all stages ask: do you need help?

1 minute

Term gestation?
Breathing or crying?
Good tone?

YES → Stay with Mother → Maintain normal temperature, Ongoing evaluation

NO ↓

Maintain normal temperature,
Ensure open airway,
Stimulate

↓

HR below 100?
Gasping or apnoea?

NO → Laboured breathing or persistent cyanosis?

YES ↓

Positive pressure ventilation
SpO_2 monitoring

↓

HR below 100?

NO → Ensure open airway, SpO_2 monitoring, Consider CPAP

YES ↓

Ensure open airway
Reduce leaks
Consider:
Increase pressure & oxygen
Intubation or laryngeal mask

↓

HR below 60?

YES ↓

Three chest compressions to each breath
100% oxygen
Intubation or laryngeal mask
Venous access

↓

HR below 60?

YES ↓

IV Adrenaline
Consider volume expansion

Laboured breathing or persistent cyanosis?

NO → Maintain normal temperature, Ongoing evaluation

YES ↓

Ensure open airway
SpO_2 monitoring
Consider CPAP

↓

Post-resuscitation care

Targeted pre-ductal SpO_2 after birth

1 min	60-70%
2 min	65-85%
3 min	70-90%
4 min	75-90%
5 min	80-90%
10 min	85-90%

IV Adrenaline 1:10,000 solution

Gestation (weeks)	Dose
23-26	0.1 mL
27-37	0.25 mL
38-43	0.5 mL

10-30 mcg/kg (0.1-0.3 mL/kg)

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AUSTRALIAN RESUSCITATION COUNCIL

NEW ZEALAND Resuscitation Council WHAKAHAUORA AOTEAROA