

Ensure that you are prepared for neonatal resuscitation

Approximately 10% of newborns require some assistance to begin breathing at birth.¹ The 2015 American Heart Association Guidelines Update for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care propose these three strategies for administering oxygen to neonates.¹

Term infants

It is reasonable to initiate resuscitation with air (21% oxygen at sea level). Supplementary oxygen may be administered and titrated to achieve the following target range.²⁻⁴

Targeted productal SpO ₂ after birth	
1 min	60–65%
2 min	65–70%
3 min	70–75%
4 min	75–80%
5 min	80–85%
10 min	85–95%

Preterm newborns

Resuscitation of preterm newborns of less than 35 weeks gestation should be initiated with low oxygen (21–30%). The oxygen concentration should be titrated to achieve productal oxygen saturation.⁴

Initiating resuscitation of preterm newborns with high oxygen levels (65% or greater) is not recommended.⁴

Both term and preterm

If an infant requires chest compressions, the oxygen must be increased to 100%.⁴

How Bird Sentry® 2 Blender helps with these strategies

Bird Blenders® have been trusted by clinicians for over 30 years.

The Bird Sentry 2 Blender provides precise, medical-grade air and oxygen mixing. The analyzer measures the selected oxygen concentrations and displays the measured concentrations digitally. The monitor provides high and low alarm limits that activate both audible and visual alarms if concentrations breach the range.



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CORPORATE HEADQUARTERS

Vyaire Medical, Inc. | 26125 North Riverwoods Blvd | Mettawa, IL 60045

vyaire.com

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