





NEONATAL

NALOXONE

This document should be read in conjunction with this [DISCLAIMER](#)

Presentation	Ampoule: 400 microgram/mL
Description	Competitive Opioid Antagonist
Indications	<ul style="list-style-type: none"> • Opioid Induced Respiratory Depression • Narcotic Overdose • Chest wall rigidity during intubation following narcotic administration
Precaution	<p>May precipitate acute withdrawal and seizures when used in the neonate where the mother has suspected or confirmed opioid dependence.</p> <p>Not recommended as part of initial resuscitative efforts in the delivery room for neonates with respiratory depression (suspected or confirmed maternal opioid dependence); support ventilation to improve oxygenation and heart rate.</p> <p>In apnoeic neonates an adequate airway should be established before treatment.</p>
Dosage	<p><u>ALL INDICATIONS</u></p> <p>IV or IM:</p> <p>100 microg/kg</p> <p>May repeat every 3 minutes until desired level of reversal achieved.</p>
Adverse Reactions	<p>Common: Nil reported.</p> <p>Serious: Rapid reversal of opioid effects may lead to opioid withdrawal and seizures in opioid dependant neonates.</p>
Preparation	<p>IV Bolus:</p> <p>Administer undiluted.</p> <p>IM Injection:</p> <p>Administer undiluted.</p>

Administration	<p><u>IV Bolus:</u> Administer over 30 seconds. Onset of action is rapid though lasts only 3-4 hours.</p> <p><u>IM Injection:</u> Onset is approximately 3-4 minutes and duration is 18 hours.</p>
Monitoring	Respiratory effort and neurological status when administered for narcotic overdose. Monitor for signs of acute withdrawal including convulsion, excessive drying and hyperactive reflexes.
Notes	Doses of 10 to 40 microg/kg for reversal of chest wall rigidity have been reported, though require dilution of the ampoule and may require repeated attempts before chest wall movement.
References	<p>Truven Health Analytics. Title Naloxone. In: NeoFax [Internet]. Greenwood Village (CO): Truven Health Analytics; 2017 [cited 2017 Nov 7]. Available from: https://neofax.micromedexsolutions.com/</p> <p>Lexicomp. Title Naloxone. In: UpToDate [Internet]. Alphen aan den Rijn (Netherlands): Wolters Kluwer; 2017 [cited 2017 Nov 7]. Available from: https://www.uptodate.com/</p> <p>Lilley L, Legge D. Paediatric injectable guidelines. 5th ed. Melbourne (Victoria): The Royal Children's Hospital; 2016. 90 p.58</p> <p>Fahnenstich H, Steffan J, Kau N, Bartmann P. Fentanyl-induced chest wall rigidity and laryngospasm in preterm and term infants. Crit Care Med. 2000;28(3):836–839</p>

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