



NEONATAL

# ATROPINE

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





**Restricted:** Requires Neonatologist or relevant specialist review within 24 hours of initiation

**⚠ HIGH RISK Medication**

An overdose will cause respiratory depression, convulsions and coma.  
Antidote is neostigmine

<b>Presentation</b>	Ampoule: 600 microgram/mL
<b>Description</b>	Anticholinergic
<b>Indications</b>	<ul style="list-style-type: none"> <li>• Non-Emergent Endotracheal Intubation <ul style="list-style-type: none"> <li>○ Prevention of reflex bradycardia</li> </ul> </li> </ul>
<b>Precautions</b>	Cardiovascular disease, gastrointestinal disease
<b>Dosage</b>	<p><b><u>Non-Emergent Endotracheal Intubation</u></b></p> <p><b>IV:</b></p> <p>20 microgram/kg/dose as a single dose</p> <ul style="list-style-type: none"> <li>• Onset of action : 30 Seconds</li> <li>• Peak effect: 2 to 4 minutes</li> <li>• Duration: 2 to 6 hours.</li> </ul>
<b>Adverse Reactions</b>	<b>Common:</b> Tachycardia, flushing, irritability, dry mouth, abdominal distension, oesophageal reflux with decreased oesophageal sphincter tone, decreased gut motility.
	<b>Serious:</b> Arrhythmia, hyperthermia, urinary retention, seizures Closed angle glaucoma.
<b>Compatible Fluids</b>	Sodium Chloride 0.9%

<b>Preparation</b>	<p><b><u>IV:</u></b></p> <p><b><i>Dilution</i></b></p> <p>Take 1mL (600microg) and dilute with 5mL of compatible fluid. Final volume is 6mL. <u>Final concentration is 100 microg/mL.</u></p>
<b>Administration</b>	<p><b><u>IV Bolus:</u></b></p> <p>Administer over 1 minute.</p>
<b>Monitoring</b>	Heart rate, Urine output, temperature, abdominal distension.
<b>Storage</b>	Store at room temperature, below 25°C
<b>Related clinical guidelines</b>	<a href="#">Intubation and Ventilation</a>
<b>References</b>	<p>Lexicomp. Atropine drug information. In: UpToDate [Internet]. Alphen aan den Rijn (Netherlands): Wolters Kluwer; 2017 [cited 2019 June 7]. Available from: <a href="https://www.uptodate.com/">https://www.uptodate.com/</a></p> <p>Truven Health Analytics. Title Atropine. In: NeoFax [Internet]. Greenwood Village (CO): Truven Health Analytics; 2017 [cited 2019 June 7]. Available from: <a href="https://neofax.micromedexsolutions.com/">https://neofax.micromedexsolutions.com/</a></p> <p>Australian Medicines Handbook. Atropine. In: Australian Medicines Handbook [Internet]. Adelaide (South Australia): Australian Medicines Handbook; 2017 [cited 2019 June 7]. Available from: <a href="https://amhonline.amh.net.au/">https://amhonline.amh.net.au/</a></p>

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