



NEONATAL Medication Monograph

HEPATITIS B VACCINE




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

Unrestricted: Any prescriber may initiate treatment

Presentation	<p>Unit dose syringe: H-B-Vax II Preservative-free 0.5mL (5 micrograms) If unavailable; Unit dose syringe: ENGERIX-B Thiomersal-free 0.5mL (10 micrograms) <i>The above Hepatitis B Vaccines are interchangeable</i></p>												
Classification	<p>Hepatitis B surface antigen induces protective antibody against the Hepatitis B virus (Anti-HBs).</p>												
Indications	<ul style="list-style-type: none"> Used as part of the National Immunisation Program for prevention of Hepatitis B infection Used in infants born to Hepatitis B positive mothers <p>NOTE: Parent/Guardian consent is to be obtained prior to administration of all vaccinations</p>												
Dose	<p>Intramuscular: 0.5mL</p> <p>For preterm infants <32 weeks of age and/or birth weight <2000g: If infant's weight is less than 1000g - omit birth dose and give first dose at 2 months of age.</p> <table border="1"> <thead> <tr> <th><u>Dose</u></th> <th><u>Age</u></th> </tr> </thead> <tbody> <tr> <td>1st</td> <td>At birth or no later than 7 days of age</td> </tr> <tr> <td>2nd</td> <td>2 months</td> </tr> <tr> <td>3rd</td> <td>4 months</td> </tr> <tr> <td>4th</td> <td>6 months</td> </tr> <tr> <td>5th</td> <td>12 months if antibody titre is low</td> </tr> </tbody> </table> <p style="text-align: right;"><i>Continued over page</i></p>	<u>Dose</u>	<u>Age</u>	1 st	At birth or no later than 7 days of age	2 nd	2 months	3 rd	4 months	4 th	6 months	5 th	12 months if antibody titre is low
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	<p><u>All other infants:</u></p> <table border="1"> <thead> <tr> <th><u>Dose Number</u></th> <th><u>Age</u></th> </tr> </thead> <tbody> <tr> <td>1st</td> <td>At birth or no later than 7 days of age</td> </tr> <tr> <td>2nd</td> <td>2 months</td> </tr> <tr> <td>3rd</td> <td>4 months</td> </tr> <tr> <td>4th</td> <td>6 months</td> </tr> </tbody> </table> <p><u>For Infants of Hepatitis B positive mothers on the day of birth:</u></p> <p>IM hepatitis B Immunoglobulin 100 units should be administered in conjunction with Hepatitis B Vaccine.</p> <p>Administer into the opposite thigh.</p>	<u>Dose Number</u>	<u>Age</u>	1 st	At birth or no later than 7 days of age	2 nd	2 months	3 rd	4 months	4 th	6 months
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Monitoring	<p>Infants receiving hepatitis B immunisation are to have a full set of observations taken prior to immunisation and then continue full observations with feeds for 48 hours post immunisation</p> <p>Monitor temperature – Do not give during febrile illness or acute infection</p> <p>Hepatitis B surface antigens and hepatitis B surface antibodies should be measured in infants born to mothers with chronic hepatitis B infection 3 to 12 months after completing the primary vaccine course.</p>										
Adverse Reactions	Pain and redness at injection site, fever, swelling										
Compatible Fluids	Do not combine with any other fluids or vaccinations										
Administration	<p>Intramuscular Injection ONLY</p> <p>Administer the entire reconstituted vial volume (0.5 mL) by intramuscular injection (IMI) to the anterolateral aspect of the thigh (slowly to reduce pain).</p>										
Storage	Refrigerate – do not freeze										
Notes	<p>Hepatitis B vaccine is a component of Infanrix Hexa, and is administered in this form at 2, 4 and 6 month doses.</p> <p>Hepatitis B vaccine is recommended for all children. If the monovalent dose at birth is missed, vaccination against Hepatitis B should be</p>										

	continued with a multivalent vaccine following the routine schedule. Hepatitis B Immunoglobulin is to be accessed from Pathology
Related guidelines	Immunisations WNHS Obstetrics and Gynaecology: Vaccinations
References	<p>Australian Medicines Handbook. Hepatitis B vaccine. In: Australian Medicines Handbook [Internet]. Adelaide (South Australia): Australian Medicines Handbook; 2017 [cited 2017 Oct 9]. Available from: https://amhonline.amh.net.au/</p> <p>MIMS Australia. Enderix-B Vaccine paediatric formulation. In: MIMS Online [Internet]. St Leonards (New South Wales): MIMS Australia; 2016 [cited 2017 Oct 9]. Available from: https://www.mimsonline.com.au</p> <p>MIMS Australia. H-B-Vax II paediatric formulation. In: MIMS Online [Internet]. St Leonards (New South Wales): MIMS Australia; 2016 [cited 2017 Oct 9]. Available from: https://www.mimsonline.com.au</p> <p>The Australian Immunisation Handbook In : Hepatitis B. Last updated November 2018 Available from: https://immunisationhandbook.health.gov.au/vaccine-preventable-diseases/hepatitis-b</p>

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