

Hepatitis B Vaccination and Serology Schedule for Preterm Infants (less than 2,000g)

Preterm infants weighing less than 2,000 grams are vaccinated for hepatitis B based on the birthing parent’s hepatitis B surface antigen (HBsAg) status. In particular, please note:

- Give doses at the indicated ages, regardless of whether the infant remains hospitalized.
- If using Pediarix or Vaxelis, do not administer before 6 weeks of age.
- The final dose of hepatitis B vaccine cannot be given before 24 weeks of age.
- Post-vaccination serologic testing (HBsAg and anti-HBs) should be done 1-2 months after the last vaccine dose, but not before 9 months of age.

Note: When the first vaccine dose is given at birth, preterm infants will need a total of four doses.

Vaccination and serology recommendations

Birthing parent HBsAg status	Vaccination and serology recommendations
Positive	<ul style="list-style-type: none"> ▪ Administer HBIG (hepatitis B immune globulin) and single-antigen hepatitis B vaccine within 12 hours of birth. ▪ Administer three additional hepatitis B vaccine doses with: <ul style="list-style-type: none"> ▪ Engerix-B or Recombivax HB at ages 1, 2-3, and 6 months, or ▪ Pediarix or Vaxelis at ages 2, 4, and 6 months. ▪ Post-vaccination serology (HBsAg and anti-HBs) 1-2 months after last dose, but not before 9 months of age.
Unknown	<ul style="list-style-type: none"> ▪ Administer single-antigen hepatitis B vaccine within 12 hours of birth. ▪ Test the birthing parent for HBsAg. If positive, administer HBIG as soon as possible, but not after 7 days of birth. Follow recommendations above for infants born to HBsAg positive person. ▪ Administer three additional hepatitis B vaccine doses with: <ul style="list-style-type: none"> ▪ Engerix-B or Recombivax HB at ages 1, 2-3, and 6 months, or ▪ Pediarix or Vaxelis at ages 2, 4, and 6 months.
Negative	<ul style="list-style-type: none"> ▪ Delay the first dose of hepatitis B vaccine until 1 month of age if infant is medically stable; otherwise delay until discharge. ▪ Complete the hepatitis B vaccine series at appropriate ages, or if delayed, with these minimum intervals: <ul style="list-style-type: none"> ▪ 4 weeks between Dose 1 to Dose 2. ▪ 8 weeks between Dose 2 and Dose 3 and at least 16 weeks between Dose 1 and Dose 3. ▪ Final dose no earlier than 24 weeks of age.

For more information, visit [Perinatal Hepatitis B \(www.health.state.mn.us/diseases/hepatitis/b/perinatal/index.html\)](http://www.health.state.mn.us/diseases/hepatitis/b/perinatal/index.html).

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To obtain this information in a different format, call: 651-201-5414.