

**Santa Clara County Public Health Department**  
**Perinatal Hepatitis B Prevention Program**  
**HEPATITIS B VACCINE SCHEDULES FOR NEWBORN INFANTS**



MOTHER'S HBsAg RESULT	SINGLE ANTIGEN VACCINE			SINGLE ANTIGEN + COMBINATION VACCINE		
	DOSE	AGE		DOSE	AGE	
		BW ≥ 2000g	BW < 2000g		BW ≥ 2000g	BW < 2000g
DCG+HJ 9	# 1 Hep B vaccine <sup>a, b</sup> and HBIG <sup>c, d</sup>	within 12 hrs of birth	within 12 hrs of birth	# 1 Hep B vaccine <sup>a, b</sup> and HBIG <sup>c, d</sup>	within 12 hrs of birth	within 12 hrs of birth
	# 1 repeated <sup>b</sup>	N/A	<b>1 month</b>	# 2 Combination or single antigen <sup>e</sup>	2 months	<b>1 month (Single antigen vaccine only)</b>
	# 2 Hep B vaccine	1-2 months	2-4 months	#3 Combination vaccine	4 months	2-4 months
	# 3 Hep B vaccine <sup>f</sup>	6 months	6-7 months	# 4 Combination vaccine <sup>f</sup>	6 months (Pediarix) or 12-15 months (Comvax)	6 months (Pediarix) or 12-15 months (Comvax)
	Serology testing <b>for HBsAg and anti-HBs</b>	9 months	9 months	Serology testing <b>for HBsAg and anti-HBs</b>	9 months (Pediarix) or 1-2 months after Comvax	9 months (Pediarix) or 1-2 months after Comvax
I B?BCK B fUhXYjj Yfnt	<b>Test mother for HBsAg immediately at hospital admission. If positive, continue with one of the series in the yellow section. If negative, continue with one of the series in the green section.</b>					
	# 1 Hep B vaccine <sup>a, b</sup>	within 12 hrs of birth	within 12 hrs of birth	Combination vaccine cannot be used for first dose of hepatitis B series.		
	HBIG <sup>c, d</sup>	Wait for mother's HBsAg result	within 12 hrs of birth			
B9, 5HJ 9	# 1 Hep B vaccine <sup>g, h</sup>	Before hospital discharge	At hospital discharge or at 1 month	# 1 Hep B vaccine <sup>g, h</sup>	Before hospital discharge	At hospital discharge or at 1 month
	# 2 Hep B vaccine	1-2 months	2-4 months	# 2 Combination vaccine <sup>e</sup>	2 months	2-4 months
	# 3 Hep B vaccine <sup>f</sup>	6-18 months	6-18 months	# 3 Combination vaccine	4 months	6-18 months
				# 4 Combination vaccine <sup>f</sup>	6 months (Pediarix) or 12-15 months (Comvax)	6 months (Pediarix) or 12-15 months (Comvax)

- <sup>a</sup> For infants weighing under 2000g and born to mother with positive or unknown HBsAg status, administer the birth dose of hepatitis B vaccine within 12 hours of birth, but do not count the birth dose as part of the vaccine series.
- <sup>b</sup> One **single** antigen hepatitis B vaccine (Recombivas HB or Engerix-B) can be given **before** 6 weeks of age.
- <sup>c</sup> If mother's positive HBsAg status was determined after hospital discharge, HBIG should be administered to the infant as soon as possible within 7 days.
- <sup>d</sup> For infants weighing under 2000g and born to mother with positive or unknown HBsAg status, HBIG should be administered within 12 hours of birth.
- <sup>e</sup> **After** 6 weeks of age, **combination** vaccines may be used to complete the hepatitis B series. (Comvax is a combination of hepatitis B and *Haemophilus influenzae* type b (Hib) vaccine. Pediarix is a DTaP-hepatitis B-inactivated poliovirus vaccine combination.)
- <sup>f</sup> The **final** dose in the series should be given **after** 24 weeks of age.
- <sup>g</sup> For infant that weighs under 2000g and mother's HBsAg status is negative, delay the first dose of hepatitis B vaccine until age one month or hospital discharge.
- <sup>h</sup> On a case-by-case basis, the first dose of hepatitis vaccine may be delayed until after hospital discharge for an infant who weighs  $\geq 2000$  g and whose mother is HBsAg negative, but only if the physician's order and the mother's original HBsAg lab report are documented in the infant's medical record.

Adapted from Recommendations of the Advisory Committee on Immunization Practices  
(ACIP)12/2005. <http://www.cdc.gov/ncidod/diseases/hepatitis/b/acip.htm>

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