

## Recommended Dosages of Hepatitis B Vaccine and Hepatitis B Immune Globulin Using Single-Antigen Vaccine

Hepatitis B Vaccine Recipient	Engerix-B® (GlaxoSmithKline)		Recombivax HB® (Merck)	
	Pediatric Formulation 10mcg (0.5mL) (or in prefilled syringes)	Adult Formulation 20mcg (1mL)	Pediatric/Adolescent Formulation 5mcg (0.5mL)	Adult Formulation 10mcg (1mL)
<b>Newborns born to HBsAg (+) mothers*</b>	10mcg (0.5mL) <sup>1</sup> & (0.5mL) HBIG within 12 hours of birth		5mcg (0.5mL) <sup>1</sup> & (0.5mL) HBIG within 12 hours of birth	
<b>Newborns born to mothers whose HBsAg status is unknown*</b>	10mcg (0.5mL) <sup>1</sup> within 12 hours of birth; (0.5mL) HBIG should also be given within 7 days if mom's status remains unknown or sooner if found to be HBsAg (+)		5mcg (0.5mL) <sup>1</sup> within 12 hours of birth; (0.5mL) HBIG should also be given within 7 days if mom's status remains unknown or sooner if found to be HBsAg (+)	
<b>Newborns born to HBsAg (-) mothers*</b>	10mcg (0.5mL) <sup>1</sup>		5mcg (0.5mL) <sup>1</sup>	
<b>Birth - 19 years<sup>2</sup></b>	10mcg (0.5mL) <sup>1</sup>		5mcg (0.5mL) <sup>1</sup>	
<b>11 - 15 years<sup>3</sup></b>				10mcg (1mL)
<b>20 + years<sup>2</sup></b>		20mcg (1mL)		10mcg (1mL)
<b>Hemodialysis &amp; other immuno-compromised persons</b>	< 20 yrs	10mcg (0.5mL)		5mcg (0.5mL)
	≥ 20 yrs		40mcg (2mL) <sup>4</sup>	40mcg (1mL) <sup>5</sup>

\*For newborns weighing less than 2000 g, see ([Hepatitis B Vaccine and Hepatitis B Immune Globulin Administration for Infants](#))

<sup>1</sup>Hepatitis B vaccine is strongly recommended at birth. This birth dose MUST be a single antigen vaccine. A 4-dose hepatitis B series is approved in conjunction with Pediarix® or Comvax®.

<sup>2</sup>HBIG (hepatitis B immune globulin) All susceptible contacts of an HBsAg (+) person, should receive a (0.06 mL/kg) dose of HBIG, within 7 days of a blood exposure, or within 14 days of a sexual exposure, along with the hepatitis B vaccine series.

<sup>3</sup>Merck's 2-dose (adolescent) hepatitis B vaccine series (using the adult formulation of Recombivax HB® 10mcg, 1 ml) is approved only for adolescents 11-15 years of age. The second dose should be administered 4-6 months after the first dose. If the 2-dose regimen is used, documentation must indicate that the adolescent received 2 adult 10mcg (1ml) doses of the Merck brand. If a child starts the hepatitis B series prior to age 11, starts the hepatitis B series between the ages of 11 and 15 with a hepatitis B vaccine other than the adult formulation of the Merck product, or completes the series after age 15, a 3-dose series should be administered. *This specific use of vaccine is not included in the VFC program.*

<sup>4</sup>Engerix-B® dialysis formulation approved for adult hemodialysis and other immunocompromised persons 20 years and older by using 2 x 20mcg/1mL in one or two injections at 0, 1, 2 and 6 months.

<sup>5</sup>Recombivax HB® dialysis formulation is approved for adult hemodialysis and other immunocompromised persons 20 years and older in a three dose series of 40mcg/1mL at 0, 1, and 6 months.

Combination vaccines are not to be used prior to age 6 weeks, for information about the use of Comvax®, Pediarix®, and Twinrix® vaccines, see Recommended Dosages of Hepatitis B Vaccine and Hepatitis B Immune Globulin (HBIG) Including Hepatitis B Combination Vaccines.