

IMMUNOBIOLOGICS

IMMUNOBIOLOGIC	PRIMARY IMMUNIZATION SCHEDULE	BOOSTER SCHEDULE	COMMENTS AND CONTRAINDICATIONS
<p>Hepatitis A and Hepatitis B (Recombinant) Vaccine (HAV-HBV)</p> <p>Twinrix® (GlaxoSmithKline Pharmaceuticals)</p>	<p>Persons aged 18 years and over:</p> <p>First: 1.0 mL IM Second: 1.0 mL IM one month later Third: 1.0 mL IM 5 months later</p> <p>See comments</p> <p>Accelerated Schedule:</p> <p>Persons aged 18 years and over:</p> <p>First: 1.0 mL IM Second: 1.0 mL IM on day 7 Third: 1.0 mL IM on day 21-30 Fourth: 1.0 mL IM at 12 months</p>	<p>Not established</p>	<p>Twinrix is approved for persons aged 18 years and older and can be used in persons in this age group with indications for both hepatitis A and hepatitis B vaccines. Each dose of Twinrix contains 720 EL. U. of hepatitis A vaccine (equivalent to a pediatric dose of Havrix), and 20 mcg of hepatitis B surface antigen protein (equivalent to an adult dose of Engerix-B).</p> <p>On the standard schedule the vaccine is administered in a 3 dose series at 0, 1, and 6 months. Appropriate spacing of the doses must be maintained to assure long-term protection from both vaccines. The first and third doses should be separated by at least 6 months. The first and second doses should be separated by at least 4 weeks, and the second and third doses should be separated by at least 5 months. It is not necessary to restart the series or add doses if the interval between doses is longer than the recommended interval.</p> <p>When the standard Twinrix schedule is used the hepatitis B series can be completed with either Twinrix or single antigen hepatitis B vaccine as the hepatitis B component of Twinrix is equivalent to a standard dose of hepatitis B vaccine, and the spacing between doses is the same. Therefore, the schedule is the same whether Twinrix or single-antigen hepatitis B vaccine is used. If after two doses of Twinrix on the accelerated schedule (0, day 7) the patient needs to complete the hepatitis B series with single antigen hepatitis B vaccine, two doses of vaccine are needed.</p> <p>For both the standard and the accelerated Twinrix schedules, single-antigen hepatitis A vaccine may be used to complete a series begun with Twinrix and vice versa. A person who receives one dose of Twinrix may complete the hepatitis A series with two doses of adult formulation hepatitis A vaccine separated by at least 5 months. A person who receives two doses of Twinrix may complete the hepatitis A series with one dose of adult formulation hepatitis A vaccine or Twinrix 5 months after the second dose. A person who received three doses of Twinrix on the accelerated schedule needs either the fourth dose of Twinrix at 12 months or one adult dose of single antigen hepatitis A vaccine at least 5 months after the third dose. A person who begins the hepatitis A series with single-antigen hepatitis A vaccine may complete the series with two doses of Twinrix or one dose of adult formulation hepatitis A vaccine.</p> <p>Adverse Reactions: See hepatitis A vaccine and hepatitis B vaccine</p> <p>Contraindications: See hepatitis A vaccine and hepatitis B vaccine</p>