

Twinrix®

Vaccine	Dose	Recommended Age	Standard Schedule	Accelerated Schedule
Twinrix® Adult Formulation (GlaxoSmithKline)	1.0 mL IM	18 years and older	0, 1, and 6 months	Dose 1: 0 days Dose 2: 7 days Dose 3: 21-30 days Booster: 12 months after 1 st dose
			Minimal Intervals Dose 1 to 2 (4 weeks) Dose 2 to 3 (5 months) Dose 1 to 3 (6 months)	



Twinrix® Vaccine Recommendations

- Approved for use in persons 18 years and older **only**.
- Indicated for active immunization against disease caused by hepatitis A virus and infection by all known subtypes of hepatitis B virus.
- Persons at Increased risk for Hepatitis A:
 - Men who have sex with men (MSM).
 - People who work with HAV-infected primates or who work with HAV in research laboratories.
 - Members of households planning to adopt a child, or care for a newly arriving adopted child, from a country where hepatitis A is common.
 - Persons with clotting factor disorder.
 - Users of illegal drugs.
 - Persons with chronic liver disease.
- Persons at increased risk for Hepatitis B:
 - Men who have sex with men (MSM).
 - International travelers to areas with high rates of hepatitis B infection.
 - Current or recent injection drug users (IDU) who share needles.
 - Sexual and household contacts of hepatitis B surface antigen (HBsAg) positive persons
 - Persons with end stage renal disease
 - Healthcare workers and public safety workers with risk for exposure to blood or blood-contaminated fluids

Twinrix® Dosing Guidelines

- It is not necessary to restart the series or add doses if the interval between doses is longer than the recommended interval.
- Appropriate spacing of the doses must be maintained to assure long-term protection from both vaccines.

Vaccine Components

Twinrix contains:

- 720 EL U. of hepatitis A vaccine (equivalent to a pediatric dose of **Havrix**)
- 20 mcg of hepatitis B surface antigen protein (equivalent to an adult dose of **Engerix-B**)

Contraindications

- Severe allergic reaction (e.g. anaphylaxis) after a previous dose of any hepatitis A-containing or hepatitis B-containing vaccine.
- Allergy to any component of Twinrix®, including yeast and neomycin.
- Moderate or severe acute illness until improved.

Precautions

- Syncope can occur after administration. Observe patient for 15 minutes before allowing them to leave.
- The cap on the prefilled syringe contains latex and may cause an allergic reaction in latex-sensitive patients.

- Because the hepatitis B component of Twinrix is equivalent to a standard dose of hepatitis B vaccine, the schedule is the same whether Twinrix or single-antigen hepatitis B vaccine is used.
- If the patient needs to complete the hepatitis B series with single antigen after 2 doses of Twinrix on the accelerated schedule (0, day 7), 2 doses are needed because the intervals are too short for the hepatitis B antigen to be effective.
- Single-antigen hepatitis A vaccine (adult formulation) may be used to complete a series begun with Twinrix and Twinrix may be used to complete a series begun with single-antigen hepatitis A vaccine.
- If 1 dose of Twinrix is given, the hepatitis A series may be completed with 2 doses of adult formulation hepatitis A vaccine separated by at least 5 months.

Adverse Reactions

- **Injection site:** soreness and redness.
- **Systemic:** headache and fatigue.

Vaccine Storage and Handling

- Store Twinrix® in the refrigerator between 35°F and 46°F (aim for 40°F).
- **Do not freeze** – discard if vaccine has been frozen.

Doses of Twinrix Given	Doses of Single-Antigen Hepatitis A (adult formulation) Needed to Complete Series	Doses of Single-Antigen Hepatitis B Needed to Complete Series	Interval
1	2		5 month interval between the 2 single antigen doses of Hep A vaccine
2	1		5 months after 2 nd dose of Twinrix
3	1		5 months after the 3 rd dose of Twinrix
2		2	The 2 doses should be separated by at least 8 weeks

