

Version: 1	
Harmony AMS	
Artwork Information Panel	
Manufacturing Site Number:	508824
Manufacturing Site(s):	GSK_WAVRE_BELGIUM
Product Market Trade Name:	Enerix-B
Approving Market(s):	MKT GROUP-Gulf and Near East
Print Process:	N/A
Color Standard Reference:	N/A
Technical Drawing (Do NOT include version number):	BIO_DRW196
Material Spec. (Do NOT include version number):	N/A
Material Type:	N/A
Total Colours & Varnishes: 1	
BLACK	
Total Special Finishes: 0	
Body Text Size:	7.0pt
Smallest Text Size:	7.0pt
Leading:	7.5pt
Horizontal Scale:	100%
Microtext:	N
Additional Info (1):	N/A
Additional Info (2):	N/A
Additional Info (3):	N/A

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NOTE TO MARKET

Local approvers must ensure that trade mark and copyright statements included in the brief comply with guidance provided by Legal: Global Trade Marks.

Enerix-B should not be administered in the buttock or intradermally since this may result in a lower immune response.
Enerix-B should under no circumstances be administered intravascularly.
As with any vaccine, a protective immune response may not be elicited in all vaccines (see section "Pharmacodynamics").

The potential risk of syncope and the need for respiratory monitoring for 48-72h should be considered when administering the primary immunisation series to very premature infants (born \leq 28 weeks of gestation) and particularly for those with a previous history of respiratory immaturity. As the benefit of vaccination is high in this group of infants, vaccination should not be withheld or delayed.

Interactions:
The simultaneous administration of Enerix-B and a standard dose of HBIG does not result in lower anti-HBs antibody titres provided that they are administered at separate injection sites. Enerix-B can be given concomitantly with DTP, DT and/or polio vaccines, if this fits conveniently in an immunisation scheme recommended by the country Health Authority.

Enerix-B can be administered together with measles-mumps-rubella vaccines, Haemophilus influenzae type b vaccine, hepatitis A vaccine and DTP.

Enerix-B can be given concomitantly with Human Papillomavirus (HPV) vaccine (Cervarix). Administration of Enerix-B at the same time as Cervarix has shown no clinically relevant interference in the antibody response to the HPV antigens. Anti-HBs geometric mean antibody concentrations were co-administered, but the clinical significance of this observation is not known since the seroprotection rates remain unaffected. The proportion of subjects reaching anti-HBs \geq 10 IU/l was 97.9% for combined vaccination and 100% for Enerix-B alone. Different injectable vaccines should always be administered at different injection sites.

Interchangeability of hepatitis B vaccines.

Enerix-B may be used to complete a primary immunisation course started either with plasma-derived or with other genetically-engineered hepatitis B vaccines, or as a booster dose in subjects who have previously received a primary immunisation course with plasma-derived or with other genetically-engineered hepatitis B vaccines.

Pregnancy and Lactation:
Pregnancy:
Adequate human data on use during pregnancy and adequate animal reproduction studies are not available.

However, as with all inactivated viral vaccines one does not expect harm for the fetus. Enerix-B should be used during pregnancy only when clearly needed, and the possible advantages outweigh the possible risks for the fetus.

Lactation:
Adequate human data on use during lactation and adequate animal reproduction studies are not available.

No communication has been established.

Effects on Ability to Drive and Use Machines:
The vaccine is unlikely to produce an effect on the ability to drive and use machines.

Adverse Reactions:
The safety profile presented below is based on data from more than 5,300 subjects.

Frequencies are reported as:
Very common: (\geq 1/10)
Common: (\geq 1/100 to $<$ 1/10)
Uncommon: (\geq 1/1,000 to $<$ 1/100)
Rare: (\geq 1/10,000 to $<$ 1/1,000)
Very rare: ($<$ 1/10,000)

These data show that a primary vaccination with Enerix-B vaccine induces circulating anti-HBs antibodies that persist for at least 6 months. After having completed the primary course, at each point in time there is no clinically significant difference in the seroprotection rates when comparing the two vaccine groups. Indeed, all subjects in both vaccine groups (including subjects with anti-HBs antibody concentrations \geq 10 IU/l) received a challenge dose 72 to 78 months after primary vaccination. One month after the challenge dose, all subjects mounted an anamnestic response. These data suggest that protection against hepatitis B may still be conferred through immune memory in all subjects who responded to primary vaccination but lost seroprotein level of anti-HBs antibodies.

Rechallenge in healthy subjects:
Subjects (N=248) aged 12 to 13 years vaccinated during infancy with 3 doses of Enerix-B received a challenge dose. One month later, 98.9% of subjects were shown to be seroprotected. Patients with renal insufficiency including patients undergoing haemodialysis:

System Organ Class | Frequency | Adverse reactions
Clinical trials | |
Blood and lymphatic system disorders | Rare | Lymphadenopathy
Metabolism and nutrition disorders | Common | Appetite lost
Psychiatric disorders | Very common | Irritability
Nervous system disorders | Common | Headache (very common with 10 µg dose), drowsiness
Uncommon | Dizziness |
Rare | Paroxysms |
Gastrointestinal disorders | Common | Gastrointestinal symptoms (such as nausea, vomiting, diarrhoea, abdominal pain)
Skin and subcutaneous tissue disorders | Rare | Rash, pruritis, urticaria
Musculoskeletal and connective tissue disorders | Uncommon | Myalgia
General disorders and administration site conditions | Very common | Pain and redness at injection site, fatigue
List of Excipients | |
L-Tartaric acid, sodium phosphate dihydrate, sodium dihydrogen phosphate, water for injections. Polysorbate 20 is present as residual from the manufacturing process.

Sheff Life:
The expiry date of the vaccine is indicated on the label and packaging.

Special Precautions for Storage:
Store in refrigerator (2°C-8°C).

Do not freeze. Store in the original package in order to protect from light.

Stability data indicate that Enerix-B is stable at temperatures up to 27°C for 3 days or up to 25°C for 7 days. These data are intended to guide healthcare professionals in case of temporary temperature excursion only. The storage conditions are detailed on the packaging.

Nature and Content:
Enerix-B is present in glass vials or glass pre-filled syringes.

The vials and pre-filled syringes are made of neutral glass type I, which conforms to European Pharmacopoeia Requirements.

Not all presentations are available in every country.

Incompatibilities:
Enerix-B should not be mixed with other vaccines.

Storage: a fine white deposit with a clear colourless supernatant may be observed.

The vaccine should be well shaken before use to obtain a slightly opaque, white suspension.

The vaccine should be inspected visually for any foreign particulate matter and/or abnormal physical appearance prior to administration. In the event of either being observed, do not administer the vaccine.

Overdose:
Cases of overdose have been reported during post-marketing surveillance. Adverse events reported following overdose were similar to those reported with normal vaccine.

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In a comparative trial in subjects from 11 years up to and including 15 years of age, the incidence of local and general solicited symptoms reported after a two-dose regimen of Enerix-B 20 µg was similar overall to that reported after the standard three-dose regimen of Enerix-B 10 µg.

Overall:
Cases of overdose have been reported during post-marketing surveillance. Adverse events reported following overdose were similar to those reported with normal vaccine.

Administration:
When using a two-dose regimen, different needles to pierce the rubber stopper and to inject the vaccine. Any unused product or waste material should be disposed of in accordance with local requirements.

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PHARMACOLOGICAL PROPERTIES

Pharmacodynamics:
Pharmaceutical group: Hepatitis B vaccine, ATC code J07BC01

Enerix-B induces specific humoral antibodies against HBsAg (anti-HBs antibodies).

Anti-HBs antibody concentrations \geq 10 IU/l correlate with protection to HBV infection.

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