



Hiberix is a lyophilised vaccine of purified polyribosyl-ribitol-phosphate capsular polysaccharide (PRP) of Hib, covalently bound to tetanus toxoid. The Hib polysaccharide is prepared from Hib, strain 20,752 and after activation with cyanogen bromide and derivatisation with an adipic hydrazide spacer is coupled to tetanus toxoid via carbodilmide condensation. After purification the conjugate is hyophilised in the presence of factose as stabiliser. Hiberix meets the WHO requirements for the manufacture of biological substances and of Hib conjugated

Each single dose of vaccine is formulated to contain 10 µg of purified capsular polysaccharide covalently bound to approximately 30 µg tetanus toxoid.

Therapeutic Indications
Hilber's is indicated for active immunisation of all infants from the age of 6 weeks against disease caused by Hib.
Hilber's does not protect against disease due to other types of H. Influenzae nor against meningitis caused by other organism

Posology
The primary vaccination schedule consists of three doses in the first 6 months of life and can start from the age of 6 weeks. To ensure a long term protection, a booster dose is recommended in the second year of life. Introducing the second year of life, and the protection of the second year of life, and the second year of life. Previously unvaccinated should receive 2 injections, given with an interval of one month, followed by a booster in the second year of life. Previously unvaccinated children aged 1-5 years should be given one dose of vaccine.

As vaccination schemes vary from country to country, the schedule for each country may be used in accordance with the different national recommendations.

Method of administration
The reconstituted vaccine is for intramuscular injection. However, it is good clinical practice that in patients with thrombocytopenia or bleeding disorders the vaccine should be administered subculaneously.

Contra-indications
Hiberix should not be administered to subjects with known hypersensitivity to any component of the vaccine, or to subjects having shown signs of hypersensitivity after previous administration of Hib vaccines.
The presence of a minor infection, however, is not a contra-indication for vaccination.

Special warnings and special precautions for use
As with other vaccines, the administration of Hiberix should be postponed in subjects suffering from acute severe febrile.
As with other vaccines, the administration of Hiberix should always be readily available in case of a rare anaphylactic event following the administration of the vaccine. For this reason the vaccinee should remain under medical supervision for 30 minutes after immunisation.
Human immunodeficiency Virus (HIV) infection is not considered as a contra-indication for Hiberix.
Although limited immune response to the tetanus toxoid component may occur, vaccination with Hiberix alone does not substitute for routine tetanus vaccination.
Excretion of capsular polysaccharide antigen in the urine has been described following receipt of Hib vaccines, and therefore antigen detection may not have a diagnostic value in suspected Hib disease within 1-2 weeks of vaccination.
Hiberix should under no circumstances be administered intravenously.

Interactions with other medicaments and other forms of Interaction
Hiberix can be administered either simultaneously or at any time before or after a different inactivated or live vaccine.
Hiberix can be mixed in the same syringe with GlaxosmithKline vaccines Infanrix (DTPa vaccine), or Tritanrix HB (DTPw-HB vaccine). Other injectable vaccines should always be administered at different injection sites.

As with other vaccines it may be expected that in patients receiving immunosuppressive therapy or patients with immunodeficiency, an adequate response may not be achieved.

Pregnancy and lactation
Adequate human data on use during pregnancy or lactation and adequate animal reproduction studies are not available

Undesirable effects in controlled clinical studies, signs and symptoms were actively monitored and recorded on diary cards following the administration of the vaccine.

Of the local solicited symptoms the most frequently reported within the first 48 hours was mild redness at the injection site which resolved spontaneously. Other local solicited symptoms reported were mild swelling and pain at the injection site. The general symptoms which have been solicited and reported within the first 48 hours were mild and resolved spontaneously. These include fever, loss of appetite, restlessness, vomiting, diarrhoea and roussal crying. As for all Hib vaccines, these general symptoms have also been reported when administered concomitantly with other vaccines. Very rarely allerpic reactions, including anaphylactoid reactions, have been reported.

PHARMACOLOGICAL PROPERTIES

A titre of \geq 0.15 µg/ml was obtained in 95-100% of infants one month after the completion of the vaccination course. A titre of \geq 0.15 µg/ml was obtained in 100% of infants one month after the booster dose (94.7% with a titre of \geq 10 µg/ml).

PHARMACEUTICAL PARTICULARS

Incompatibilities
Hiberix can be mixed in the same syringe with GlaxoSmithKline vaccines Infanrix (DTPa vaccine), or Tritanrix HB (DTPw-HB vaccine). Other Injectable vaccines should always be administered at different injection sites.

Shelf-life
The expiry date of the vaccine is indicated on the label and packaging.

Special precautions for storage
The tyophilised vaccine has to be stored at +2°C to +8°C and has to be protected from light. The tyophilised vaccine is not

The tyophilised vaccine has to be stored at +2°C to +8°C) and has to be procedured from all federal by freezing.

The diluent can be stored in the refrigerator (+2°C to +8°C) or at ambient temperatures (up to 25°C) and should not be frozen. While recommended storage conditions should be respected, data has demonstrated that the vaccine remains stable under the following specific conditions:

* Tyophilised product:

* Tyophilised product:

* Tyophilised product:

* Stored at 37°C for up to 24 months

* Stored at 37°C for up to 24 months

* Stored at 37°C for up to 5 days

Instructions for use/handling

How to use Hibertx

Hibertx vaccine is presented as a white Hib pellet in a vial, with a clear and colourless sterile diluent (saline) in either a second vial or a prefilled syringe.

The diluent and reconstituted vaccine should be inspected visually for any foreign particulate matter and/or variation of physicial aspects prior to administration. In the event of either being observed, discard the diluent or reconstituted vaccine. The vaccine must be reconstituted by adding the enlike contents of the supplied container of diluent to vial containing the pellet. After the addition of the diluent to the pellet, the mixture should be well shaken until the pellet is completely dissolved in the diluent.

pellet. After the addition of the diluent to the pellet, and the fallent with a sterile needle and syringe. As with other vaccines, a dose vaccine should be withdrawn under strict aseptic conditions and precautions taken to avoid contamination of the contents. A new needle should be used to administer the vaccine. After reconstitution, the vaccine should be injected promptly.

To mix Hiberix with Tritanrix HB or Infanrix
Hiberix vaccine may be reconstituted either with Tritanrix HB or with Infanrix for simultaneous administration via one

Hilberts vaccine may be reconstituted either with interest to uninection.

Tritanix HB and Infanrix are presented as suspensions. Upon storage, a white deposit and clear supernatant may be observed. The vaccine should be well shaken in order to obtain a homogeneous turbid white suspension and visually inspected for any foreign particulate matter and/or variation of physical aspect prior to administration. In the event of either being observed, discard the vaccine.

Discard the sterile diluent provided with Hiberts.

The combined DTPw-HB-Hib to of DTPa-Hib vaccines must be reconstituted by adding the entire confents of either a Tritanix HB or Infanrix monodose container to the monodose vial containing the white Hiberts pellet. After the addition of Tritanix HB or Infanrix to the Hiberts pellet, the mixture should be well shaken until the Hiberts pellet is completely dissolved in either the Tritanix HB or Infanrix suspension.

The reconstituted combined vaccine should be inspected visually for any foreign particulate matter and/or variation of physical aspects prior to administration, in the event of either being observed, discard the reconstituted vaccine.

A new needle should be used to administer the vaccine. After reconstitution, the vaccine should be injected promptly.

Presentations
For further information, refer to manufacturer.

Hiberix, Infanrix and Tritanrix are trademarks.