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Qualitative and Quantitative Composition
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A - Clinical particulars
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4.2 Posology and method of administration Posology The recommended dose of the vaccine contained in 0.5 ml must be administered. In adults and children over 5 years of age immunity will persist for up to 3 years. Children who were aged under 5 years when first vaccinated should be considered for revaccination after 2-3 years if they remain at high risk (see section 5.1 "Pharmacodynamic romerties")

Monitor and the second s

complete protection cannot be guaranteed in every vaccinated individual. If administered to subjects with impaired immune responses, the vaccine may not induce an effective response. MencevaxTM ACWY should under no circumstances be administered intravasculary. 4.5 Interaction with other medicaments and other forms of interaction MencevaxTM ACWY can be administered at the same time as other vaccines. Different injectable vaccines should always be administered at a different injection site. 4.6 Pregnancy and lactation Adequate human data on use during pregnancy and adequate animal reproduction studies are not available. MencevaxTM ACWY should be used during pregnancy only when clearly needed, and when the possible advantages outweigh the possible risks for the foetus. Adequate data on the administration of MencevaxTM ACWY to women who are breast-feeding are not available. MexevexaTM ACWY should be vaccines, one does not expect vaccination with MencevaxTM ACWY to harm the mother or the infant.

as min this polyadurated water ACWY to harm the mother or the infant. MencevaxTM ACWY should be administered to women who are breast-feeding when needed and the possible advantages outweigh the possible risks. 4.7 Effects on ability to drive and use machines There have been no studies to investigate the effect of MencevaxTM ACWY on driving performance or the ability to operate machinery. Further, a detrimental effect on such activities cannot be predicted from the pharmacology of the active substance. Nevertheless, the clinical status of the patient and the adverse event profile of MencevaxTM ACWY should be borne in mind when considering the patient's ability to perform tasks that require judgement, motor or cognitive skills. 4.8 Undesirable effects Following a videspread use of the vaccine, MencevaxTM ACWY is generally well tolerated. In recent clinical studies, MencevaxTM ACWY was administered to 530 subjects.

Is generally well tolerated. In recent clinical studies, Mencevax™ ACWY was administered to 530 subjects. Adverse reactions occurring during these studies were mostly reported within 48 hours following vaccination. Adverse reactions considered as being at least possibly related to vaccination have been categorised by frequency as follows. Frequencies are reported as: Very common: ≥ 10% and < 10% Metabolism and nutrition disorders: Common: appetite lost Psychiatric disorders: Very common: initability Nervous system disorders: Very common: initability Nervous system disorders: Very common: drowsiness, headache Uncommon: drowsiness, headache Unco

diarrhoea

diarrhoea Musculoskeletal and connective tissue disorders: Common: myalgia General disorders and administration site conditions; Very common: pain and redness at the injection site, fatigue Common: swelling at the injection site, fever In addition, the following adverse reactions have been reported during post-marketing surveillance: Immune system disorders

Immune system disorders Allergic reactions, including anaphylactic and anaphylactoid reactions

reactions Skin and subcutaneous tissue disorders Urticaria, rash, angioneurotic oedema <u>Musculoskeletal and connective tissue disorders</u> Arthralgia, musculoskeletal stiffness <u>General disorders and administration site conditions</u> Influenza-like symptoms, chills <u>4.9 Overdose</u> <u>Casee of overdose</u> (un to 10 times the re

Cases of overdose (up to 10 times the recommend dose) have been reported during post-marketing surveillance. Adverse events reported following overdosage were similar to those reported with normal vaccine administration.

5 - Pharmacological properties 5.1 Pharmacodynamic properties

Immunogenicity data Mencevax[™] ACWY induces bactericidal antibodie against meningococci of the serogroups A, C, W₁₃₅ and V

evaxTM ACWY and the revaccination restored dy concentrations. harmacokinetic properties ation of pharmacokinetic is not required for antibody c 5.2 Pharm Fyrc

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vaccines. 5.3 Preclinical safety data Non-clinical data reveal no special hazard for humans based on general safety tests performed in animals. 6. - Pharmaceutical particulars 6.1 List of excipients Vaccine: sucrose, trometamol Bluest excipients

Vaccine: sucrose, trometamol Diluent: sodium chloride, water for injections (and phenol for multidose presentations). 6.2 Incompatibilities In the absence of compatibility studies, this medicinal product must not be mixed with other medicinal products.

6.3 Shelf life he expiry date of the vaccine is indicated on the label and on

The control was to be a probability of the probabi

After reconstitution, the vaccine should be injected promptly or kept in a refrigerator. If it is not used within eight hours, it should be discarded because of the risk of contamination. It is recommended to protect the reconstituted vaccine from direct sunlight. **6.4 Special precautions for storage** The lyophilesed vaccine should be stored in a refrigerator between +2°C and +8°C. The diluent may also be stored at ambient temperature (2°C), the diluent may also be stored at ambient sperimental data show that the powder is stable when stored at 37°C for 1 week, However, these data are not recommendations for storage. During transport, recommended conditions of storage must be respected.

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During draisport, recommended containers of storage must be respected. **6.5** Nature and contents of container Mencevax^{IIII} ACWI is presented as a white powder in a glass vial. The sterile diluent for the monodose presentation is clear and colouriess and presented in a glass vial or ampoule. The sterile diluent for the multidose presentation (which contains phenol; can show a slight cloudiness and/or pink coloration and is presented in a glass vial. **6.6 Instructions for use, handling** The vaccine should be inspected visually for any foreign particulate matter and/or other coloration prior to administration. In the event of either being observed, discard the vaccine. Mencevax^{IIII} ACWI must be reconstituted by adding the entire contents of the supplied container of diluent to the vaccine vial. The vaccine powder should be completely dissolved in the diluent. the dil uent. e**vax** is a trademark.

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subjects who were seronegative prior to vaccination The results obtained in those clinical studies for all serogroups are summarised in the table below:

	MenA	MenC	MenW	MenY
$SBA \ge 1:8$ 2-5 years of age ≥ 6 years of age	99.4 % 100 %	85.8 % 99.7 %	96.6 % 99.7 %	100 % 100 %
Vaccine response 2-5 years of age ≥ 6 years of age	74.4 % 81.5 %	81.4 % 96.9 %	90 % 92.6 %	72.4 % 85.6 %
Seroconversion in S- 2-5 years of age ≥ 6 years of age	93.3 % 100 %	83.9 % 99.6 %	95.3 % 100 %	100 % 100 %

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of subjects had anti-PSC concentrations ≥ 2.0 µg/ml one month after vaccination. Efficacy data in response to a meningococcal disease epidemic in Burkina Faso, a mass vaccination campaign with Mencevax^M ACW was performed in more than 1.68 million children and adults aged from 2 to 29 years. The vaccine effectiveness against serogrou. A and W135 disease was 95.8% (95% Cl: 81.8%-99.0%) for persons with reported vaccination. Persistence of immune response An ongoing clinical study with MencevaxTM ACW has An ongoing clinical study with MencevaxTM ACW has demonstrated that 100% of subjects aged 18-25 years had detactricidal attudy with MencevaxTM ACWY has demonstrated that 100% of or serogroup C, two years filter vaccination. In a study conducted in Ghana with MencevaxTM ACWY, in 17 subjects aged 15-34 years. (100%, 88.4% and 93.5% of subjects had D5.4 titres ≥ 1.8 for serogroup A, C and W respectively at approximately one year after vaccination. In studies conducted among complement-deficient subjects, the antibode is persisted for 3 years post vaccination with qL