

## AquaVac FNM Plus

### Introduction



Company name: [Intervet / Schering-Plough Animal Health](#)  
Address: **Walton Manor**  
**Walton**  
**Milton Keynes**  
**MK7 7AJ**  
Telephone: **01908 685685 (Customer Support Centre)**  
Telephone: **01908 665050 (Switchboard)**  
Fax: **01908 685555**  
Email: [support.uk@intervet.com](mailto:support.uk@intervet.com)  
Website: [www.intervet.co.uk](http://www.intervet.co.uk)

### Presentation

An emulsion for injection.

Each ml contains: Inactivated cells of *Aeromonas salmonicida* Strains MT004 and MT423 (each  $5 \times 10^7$  /dose) giving RPS<sub>60</sub> = 80% after vaccination.

(RPS<sub>60</sub> = relative percent survival in vaccinates at 60% control mortality.)

The vaccine contains non-mineral oil adjuvant (Montanide ISA 711 0.07 ml/dose) and residual formaldehyde.

### Uses

For the reduction of mortality due to furunculosis disease caused by *Aeromonas salmonicida* in Atlantic salmon (*Salmo salar*).

Immunity develops progressively after vaccination, the rate being dependant upon water temperature. At 12°C, a minimum of 28 days should be allowed between vaccination and anticipated exposure to infection. For general guidance, a period equivalent to 400 degree days should be allowed for development of optimum immunity. Duration of immunity has been demonstrated under field conditions for at least 5 months after vaccination.

### Dosage and administration

The minimum size of fish for vaccination is 25g.

The product is administered by intra-peritoneal injection at a dose of 0.1 ml per fish. Inject fish, previously anaesthetised with an approved anaesthetic, centrally into the abdomen, 1 – 2 fin lengths in front of the base of the pelvic fins. The needle should point forward at an angle of about 45° and in a 25g fish, penetrate to a depth of approximately 2 - 3mm. Administer using a multi-dose injection applicator with a 6 mm, 22 gauge needle, incorporating a mechanism to prevent flush-back. This applies equally to semi-automatic (hand held) and automatic systems. Vaccine should be used within 5 hours of the time when the bottle cap is breached.

Careful injection technique is important to minimise adverse reactions. Use only sterile needles and syringes for administration.

### Contra-indications, warnings, etc

Injection vaccination of fish at water temperatures below 1°C is not good farming practice and should be avoided.

Fish should not be vaccinated with AquaVac FNM<sup>PLUS</sup> more than once.

Some inflammation in the body cavity is normal in the vicinity of the injection site and is part of the immune response. Side effects in the form of visceral adhesions occur in the majority of fish, but are minor in extent (Speilberg score not more than 3). Some melanisation may occur in up to 1/3 fish. External signs such as scale loss and haemorrhage at the point of injection and more serious internal reactions are rarely present if injection technique is good.

Slightly increased levels of fin rot are sometimes observed following vaccination against furunculosis.

If you notice any serious effects or other effects not mentioned on this label, please inform your veterinary surgeon

Fish should not be vaccinated during the smoltification process.

Vaccinate only healthy fish. Do not use in fish intended as brood stock.

Do not mix with any other vaccine or immunological product

No information is available on the interactions between this product and any other. It is therefore recommended that no other vaccine should be administered within 168 degree days (14 days at 12°C) before and after vaccination with this vaccine.

**Warning to the Operator:** Although this is a non-mineral oil vaccine, if you accidentally inject yourself with this product, go IMMEDIATELY to the nearest Hospital Accident and Emergency Department and show the information below to the doctor or nurse on duty.

**Information for the doctor:** Accidental injection with this product, like other oil-based products, can cause intense vascular spasm, which may, for example, result in the loss of a digit.

PROMPT expert surgical attention is required, which may involve early incision and irrigation of the affected area. This is especially important where soft tissue of the finger or tendon sheaths are involved.

#### *Withdrawal Period*

Zero degree days.

### Pharmaceutical precautions

Store and transport refrigerated (+2°C to +8°C). Do not freeze. Protect from light.

Vaccine should be used within 5 hours of the time when the bottle cap is broached.

All unused vaccine should be disposed of in accordance with national requirements.

For animal treatment only. Keep out of the reach and sight of children.

#### Legal category

POM-V

#### Packaging Quantities

500ml

#### Further information

Nil.

#### Marketing authorisation number

Vm 00201/4196.

#### Significant Changes