

## **SUMMARY OF PRODUCT CHARACTERISTICS**

### **1. NAME OF THE VETERINARY MEDICINAL PRODUCT**

AquaVac ERM  
Concentrate for dip suspension for Rainbow trout

### **2. QUALITATIVE AND QUANTITATIVE COMPOSITION**

#### **Active substance :**

Inactivated cells of *Yersinia ruckeri*  
(Hagerman type I strain) RPS(\*)  $\geq$  75% after vaccination

#### **Excipient:**

Formaldehyde:  $\leq$  0.5 mg/ml

\*RPS : relative percentage of survival in Rainbow Trout

For a full list of excipients, see section 6.1.

### **3. PHARMACEUTICAL FORM**

Concentrate for dip suspension

### **4. CLINICAL PARTICULARS**

#### **4.1 Target species**

Rainbow trout (*Oncorhynchus mykiss*)

#### **4.2 Indications for use, specifying the target species**

In Rainbow Trout of 2 grams weight or over: Active immunization against Enteric Redmouth disease (ERM) to reduce mortality caused by the Hagerman Type I strain of *Yersinia ruckeri*.

336 degree days are required for the development of full immunity (28 days at a water temperature of 12°C). The time for development of protective immunity will depend on water temperature.

A duration of immunity of 78 days has been shown under laboratory conditions.

Under field conditions, protection may be expected for at least 6 months. A booster vaccination administered 4 months after primary vaccination may induce a better level of protection.

### **4.3 Contraindications**

None.

### **4.4 Special warnings**

Only vaccinate healthy fish.

### **4.5 Special precautions for use**

#### **Special precautions for use in animals**

During vaccination, the temperature of the diluted vaccine should not differ from the water temperature in the holding area by more than  $\pm 5^{\circ}\text{C}$ .

Fish should be subject to the minimum of manipulations such as sorting and transportation during the periods shortly before and after vaccination

#### **Special precautions to be taken by the person administering the veterinary medicinal product to animals**

Personal protective equipment consisting of rubber gloves should be worn during all vaccination operations.

### **4.6 Adverse reactions (frequency and seriousness)**

None.

### **4.7 Use during pregnancy, lactation or lay**

Do not administer to fish intended as broodstock or to broodstock.

### **4.8 Interaction with other medicinal products and other forms of interaction**

No information is available on the safety and efficacy of this vaccine when used with any other veterinary medicinal product. A decision to use this vaccine before or after any other veterinary medicinal product therefore needs to be made on a case by case basis.

### **4.9 Amounts to be administered and administration route**

The product is administered to Rainbow Trout of not less than 2 grams in weight by immersion for 30 seconds in vaccine diluted 1 in 10 with hatchery water. 1 litre of vaccine, diluted to 10 litre in total, is sufficient to vaccinate 100kg of fish.

Fish may be vaccinated in batches. The size of each batch should be appropriate to the volume of diluted vaccine available and to the size of the fish. The diluted vaccine should be oxygenated, if necessary, between vaccinations of individual batches.

#### **4.10 Overdose (symptoms, emergency procedures, antidotes), if necessary**

No adverse effects have been noted following a double dose of vaccine.

#### **4.11 Withdrawal period**

Zero days.

### **5. IMMUNOLOGICAL PROPERTIES**

To stimulate active immunity in Rainbow Trout against Enteric Redmouth disease caused by *Yersinia ruckeri*.

ATC Vet Code: QI10BB03

### **6. PHARMACEUTICAL PARTICULARS**

#### **6.1 List of excipients**

Formaldehyde, Sodium chloride solution

#### **6.2 Incompatibilities**

Do not mix with any other veterinary medicinal product.

#### **6.3 Shelf life**

Shelf-life of the veterinary medicinal product as packaged for sale: 2 years.

Shelf-life after dilution according to directions: 5 hours.

#### **6.4 Special precautions for storage**

Store in a refrigerator (+2°C - +8°C).

Protect from light.

Do not freeze.

#### **6.5 Nature and composition of immediate packaging**

High density polyethylene bottles, closed with a rubber stopper and sealed with an aluminium cap containing 1 litre of vaccine.

**6.6 Special precautions for the disposal of unused veterinary medicinal product or waste materials derived from the use of such products**

Any unused veterinary medicinal product or waste materials derived from such veterinary medicinal products should be disposed of in accordance with the local requirements.

**7. MARKETING AUTHORISATION HOLDER**

MSD Animal Health UK Limited  
Walton Manor  
Walton  
Milton Keynes  
Buckinghamshire  
MK7 7AJ

**8. MARKETING AUTHORISATION NUMBER**

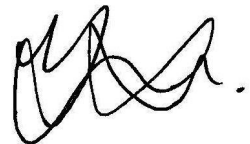
Vm 01708/4564

**9. DATE OF FIRST AUTHORISATION**

03 August 2004

**10. DATE OF REVISION OF THE TEXT**

August 2020

A handwritten signature in black ink, consisting of several loops and a final horizontal stroke.

Approved: 14 August 2020