

## **SUMMARY OF PRODUCT CHARACTERISTICS**

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

BOVALTO RESPI INTRANASAL, nasal spray, lyophilisate and solvent for suspension

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

One dose (2 ml) contains:

#### **Lyophilisate:**

#### **Active substances:**

Bovine parainfluenza 3 virus (PI3V), modified live virus, strain Bio 23/A  $10^{5.0} - 10^{7.5}$  TCID<sub>50</sub>

Bovine respiratory syncytial virus (BRSV), modified live virus, strain Bio 24/A  $10^{4.0} - 10^{6.0}$  TCID<sub>50</sub>

TCID<sub>50</sub> – a 50% infectious dose for tissue cultures

#### **Solvent:**

Phosphate buffered saline 2 ml

For the full list of excipients, see section 6.1.

### **3. PHARMACEUTICAL FORM**

Nasal spray, lyophilisate and solvent for suspension

Appearance before reconstitution:

The lyophilisate has a porous structure, off-white or yellowish colour.

The solvent is clear, colourless.

### **4. CLINICAL PARTICULARS**

#### **4.1 Target species**

Cattle.

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

For the active immunisation of calves from the age of 10 days against bovine respiratory syncytial virus (BRSV) and bovine parainfluenza 3 virus (PI3V), to reduce the quantity and duration of nasal excretion of both viruses.

Onset of immunity: 10 days after vaccination

Duration of immunity: 12 weeks after vaccination.

#### 4.3 Contraindications

None.

#### 4.4 Special warnings for each target species

The laboratory efficacy studies have demonstrated that the presence of maternally derived antibodies at the time of vaccination had no impact on vaccine efficacy in young animals.

Vaccinate healthy animals only.

#### 4.5 Special precautions for use

##### Special precautions for use in animals:

Vaccinated calves can excrete the vaccine strains BRSV and PI3V for up to 6 days after vaccination. Therefore, the spread of the vaccine virus from vaccinated to unvaccinated calves cannot be excluded. Animals should be vaccinated at least 10 days before the critical period of stress or high risk of infection, such as rearrangement or transport of animals, or in early autumn. To achieve optimal results, it is recommended to vaccinate all calves of the herd.

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

Not applicable.

##### Special precautions for the protection of the environment:

Not applicable.

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

Very rare (<1 animal / 10,000 animals treated, including isolated reports):	Hypersensitivity reaction*
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\*may require appropriate symptomatic treatment

Reporting adverse events is important. It allows continuous safety monitoring of a veterinary medicinal product. Reports should be sent, preferably via a veterinarian, to either the marketing authorisation holder or the national competent authority via the national reporting system. See also the last section of the package leaflet for respective contact details.

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

##### Pregnancy and lactation:

Do not use during pregnancy and lactation.

#### **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 products. 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 Amount(s) to be administered and administration route**

Nasal use.

Reconstitute the vaccine by aseptically adding the supplied solvent into the vial containing the lyophilised component. Mix well. Appearance after reconstitution: opalescent liquid of yellowish to pinkish colour.

Required volume of the reconstituted vaccine is either drawn up from the bottle by syringe with a needle, the needle is then replaced by the intranasal applicator provided and the vaccine is administered or left in the bottle and administered via a multi-dose applicator that can deliver each dose through the intranasal applicator. The intranasal applicator is used to spray the required volume of the vaccine into the animal's nostrils. The applicator used should spray the vaccine in the form of 30 µm to 100 µm droplets.

##### Vaccination schedule:

Administer one dose (2 ml) of the reconstituted vaccine intranasally (1 ml of the vaccine into each nostril) to calves from 10 days of age using an intranasal applicator. It is recommended to use a new applicator for each animal, in order to prevent the transmission of infection.

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

A slight and transient nasal discharge was observed the first three days after the administration of a 10-fold overdose without any adverse consequence for in-contact animals.

#### **4.11 Withdrawal period(s)**

Zero days.

### **5. IMMUNOLOGICAL PROPERTIES**

**Pharmacotherapeutic group:** Immunologicals; Immunologicals for bovidae; Cattle, live viral vaccines.

To stimulate the active immunity against BRSV and PI3V.

**ATCvet Code:** QI02AD07

## **6. PHARMACEUTICAL PARTICULARS**

### **6.1 List of excipients**

#### **Lyophilisate:**

Trometamol  
Edetic acid  
Sucrose  
Dextran 70

#### **Solvent: (phosphate buffered saline)**

Sodium chloride  
Potassium chloride  
Disodium hydrogen phosphate dodecahydrate  
Potassium dihydrogen phosphate  
Water for injection

### **6.2 Major Incompatibilities**

Do not mix with any other veterinary medicinal product, except solvent recommended for use with the veterinary medicinal product.

### **6.3 Shelf life**

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

Shelf-life of the solvent as packaged for sale: 4 years.

Shelf life after reconstitution according to directions: 2 hours

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

Lyophilisate and solvent:

Store and transport refrigerated (2 °C – 8 °C).

Do not freeze.

Protect from direct sunlight.

Reconstituted vaccine:

Store below 25°C. Do not freeze.

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

Lyophilisate: type I glass bottle (1, 5 or 10 doses) with a rubber stopper and aluminium cap.  
Solvent: 3 ml (1 dose) or 10 ml (5 doses) type I glass bottle, or 20 ml (10 doses) type II glass bottle with a rubber stopper and an aluminium cap.

Pack size:

Cardboard box:

1 x 5 doses of lyophilised vaccine + 1 x 10 ml of solvent

1 x 10 doses of lyophilised vaccine + 1 x 20 ml of solvent

Plastic box with a lid:

5 x 1 dose of lyophilised vaccine + 5 x 2 ml of solvent

5 x 5 doses of lyophilised vaccine + 5 x 10 ml of solvent

Intranasal applicators are packaged separately. Applicators are distributed together with the vaccine.

Not all pack sizes may be marketed.

#### **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 product should be disposed of in accordance with local requirements.

### **7. MARKETING AUTHORISATION HOLDER**

Boehringer Ingelheim Animal Health UK Limited  
Ellesfield Avenue  
Bracknell  
Berkshire  
RG12 8YS  
United Kingdom

### **8. MARKETING AUTHORISATION NUMBER**

Vm 08327/5006

### **9. DATE OF FIRST AUTHORISATION**

16 April 2018

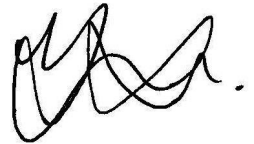
### **10. DATE OF REVISION OF THE TEXT**

December 2022

## **PROHIBITION OF SALE, SUPPLY AND/OR USE**

### **11. CLASSIFICATION OF VETERINARY MEDICINAL PRODUCTS**

Veterinary medicinal product subject to prescription.

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

Approved: 30 December 2022