

## **ANNEX I**

### **SUMMARY OF PRODUCT CHARACTERISTICS**

## 1. NAME OF THE VETERINARY MEDICINAL PRODUCT

DIVENCE IBR MARKER LIVE lyophilisate and solvent for emulsion for injection

## 2. QUALITATIVE AND QUANTITATIVE COMPOSITION

Each dose of 2 ml contains:

### Active substances:

Live gE- tk- double gene-deleted bovine herpesvirus type 1 (BoHV-1),  
strain CEDDEL  $10^{6.3} - 10^{7.6}$  CCID<sub>50</sub>\*

gE- : deleted glycoprotein E ; tk- : deleted thymidine kinase

\* Cell Culture Infectious Dose 50 %

### Adjuvant:

Montanide IMS 1.010 g

### Excipients:

Qualitative composition of excipients and other constituents
<b>Lyophilisate:</b>
Dipotassium phosphate
Gelatin
Glycine
Potassium dihydrogen phosphate
Sorbitol
Sucrose
<b>Solvent:</b>
Disodium phosphate dodecahydrate
Potassium chloride
Potassium dihydrogen phosphate
Sodium chloride
Water for injections

Lyophilisate: white-to-yellow colour

Solvent: white translucent emulsion.

## 3. CLINICAL INFORMATION

### 3.1 Target species

Cattle.

### 3.2 Indications for use for each target species

Active immunisation of cattle from 10 weeks of age to reduce virus shedding, hyperthermia and clinical signs of IBR (infectious bovine rhinotracheitis).

Onset of immunity: 3 weeks after completion of the basic vaccination scheme.

Duration of immunity: 6 months after completion of the basic vaccination scheme.  
1 year after completion of the re-vaccination scheme.

### 3.3 Contraindications

None.

### 3.4 Special warnings

Vaccinate healthy animals only.

### 3.5 Special precautions for use

Special precautions for safe use in the target species:

Not applicable.

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

To the user:

This veterinary medicinal product contains mineral oil. Accidental injection/self-injection may result in severe pain and swelling, particularly if injected into a joint or finger, and in rare cases could result in the loss of the affected finger if prompt medical attention is not given. If you are accidentally injected with this veterinary medicinal product, seek prompt medical advice even if only a very small amount is injected, and take the package leaflet with you. If pain persists for more than 12 hours after medical examination, seek medical advice again.

To the physician:

This veterinary medicinal product contains mineral oil. Even if small amounts have been injected, accidental injection with this veterinary medicinal product can cause intense swelling, which may, for example, result in ischaemic necrosis and even the loss of a digit. Expert, PROMPT, surgical attention is required and may necessitate early incision and irrigation of the injected area, especially where there is involvement of finger pulp or tendon.

Special precautions for the protection of the environment:

Not applicable.

### 3.6 Adverse events

Cattle:

Very common (>1 animal / 10 animals treated):	Injection site inflammation <sup>1</sup> , elevated temperature <sup>2</sup>
Uncommon (1 to 10 animals / 1,000 animals treated):	Anaphylactic-type reaction <sup>3</sup>

<sup>1</sup> A slight to moderate transient injection site inflammation (up to 14 cm of diameter) may be observed, which rapidly decreases in diameter within 2 days and subsides within 2 weeks without treatment.

<sup>2</sup> An elevated temperature (mean increase 1.7 °C, in individual animals up to 2.4 °C) may occur after vaccination. This increase subsides spontaneously within 3 days.

<sup>3</sup> In cases of anaphylactic-type reactions, an appropriate symptomatic treatment should be administered.

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 its local representative or the national competent authority via the national reporting system. See the package leaflet for respective contact details.

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

#### Pregnancy and lactation:

Can be used during pregnancy and lactation.

### **3.8 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.

### **3.9 Administration routes and dosage**

Intramuscular use.

For use in cattle from 10 weeks of age onwards.

Basic vaccination scheme: administer two doses (2 ml each) with an interval of 3 weeks.

Re-vaccination scheme: one dose of 2 ml should be administered at an interval not longer than 6 months after completion of the basic vaccination scheme.

Subsequent re-vaccination scheme: one dose of 2 ml should be administered at an interval not longer than 12 months.

The vaccine may be used for subsequent re-vaccinations after vaccination with DIVENCE PENTA vaccine, if there is no further need for protection against BRSV, PI-3 or BVDV.

#### Method of administration:

Avoid contamination during reconstitution and use. Use only sterile needles and syringes for administration.

Reconstitute the lyophilisate with the corresponding volume of solvent:

<b>Number of doses per vial of lyophilisate</b>	<b>Volume of solvent to be used</b>
5 doses	10 ml
20 doses	40 ml
40 doses	80 ml
50 doses	100 ml

1. Peel the top of the aluminium cap on the vial containing the solvent and withdraw 10 ml of volume.
2. Inject the solvent into the vial containing the lyophilisate.
3. Shake until the lyophilisate is in emulsion. The 5-doses vial is now ready to use.
4. For the 20, 40 and 50 doses vials, once the lyophilisate is in emulsion with the 10 ml of solvent, withdraw all the emulsion obtained from the vaccine vial and inject it into the vial containing the remaining solvent.
5. Shake until the lyophilisate is in emulsion.

The reconstituted vaccine is a white-to-yellow emulsion.

### **3.10 Symptoms of overdose (and where applicable, emergency procedures and antidotes)**

No adverse events other than those described in section 3.6 were observed .

### **3.11 Special restrictions for use and special conditions for use, including restrictions on the use of antimicrobial and antiparasitic veterinary medicinal products in order to limit the risk of development of resistance**

Any person intending to manufacture, import, possess, distribute, sell, supply and use this veterinary medicinal product must first consult the relevant Member State's competent authority on the current vaccination policies, as these activities may be prohibited in a Member State on the whole or part of its territory pursuant to national legislation.

Official control authority batch release may be required for this product according to national requirements.

### **3.12 Withdrawal periods**

Zero days.

## **4. IMMUNOLOGICAL INFORMATION**

### **4.1 ATCvet code: QI02AD01**

To stimulate active immunity against bovine herpesvirus type 1 (BoHV-1).

Vaccinated animals can be differentiated from field virus infected animals, due to the marker deletion (*gE-*) by means of commercial diagnostic kits.

## **5. PHARMACEUTICAL PARTICULARS**

### **5.1 Major incompatibilities**

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

### **5.2 Shelf life**

Shelf life of the veterinary medicinal product as packaged for sale: 18 months.

Shelf life of the solvent as packaged for sale: 3 years.

Shelf life after reconstitution according to directions: 2 hours.

### **5.3 Special precautions for storage**

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

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

Lyophilisate: 10 ml type I glass vials containing 5 doses, 20 doses, 40 doses or 50 doses, closed with bromobutyl rubber stoppers and sealed with aluminium caps.

Solvent: Polyethylene (PET) vials of 10 ml, 50 ml, 100 ml, closed with bromobutyl rubber stoppers and sealed with aluminium caps.

#### Pack sizes:

Cardboard box containing 1 vial of 5 doses of lyophilisate and 1 vial containing 10 ml of solvent.

Cardboard box containing 1 vial of 20 doses of lyophilisate and 1 vial containing 40 ml of solvent.

Cardboard box containing 1 vial of 40 doses of lyophilisate and 1 vial containing 80 ml of solvent.

Cardboard box containing 1 vial of 50 doses of lyophilisate and 1 vial containing 100 ml of solvent.

Not all pack sizes may be marketed.

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

Medicines should not be disposed of via wastewater or household waste.

Use take-back schemes for the disposal of any unused veterinary medicinal product or waste materials derived thereof in accordance with local requirements and with any national collection systems applicable to the veterinary medicinal product concerned.

## **6. NAME OF THE MARKETING AUTHORISATION HOLDER**

LABORATORIOS HIPRA, S.A.

## **7. MARKETING AUTHORISATION NUMBER(S)**

EU/2/24/318/001 - 004

**8. DATE OF FIRST AUTHORISATION**

Date of first authorisation: 09/08/2024.

**9. DATE OF THE LAST REVISION OF THE SUMMARY OF THE PRODUCT CHARACTERISTICS**

**10. CLASSIFICATION OF VETERINARY MEDICINAL PRODUCTS**

Veterinary medicinal product subject to prescription.

Detailed information on this veterinary medicinal product is available in the [Union Product Database](https://medicines.health.europa.eu/veterinary) (<https://medicines.health.europa.eu/veterinary>).

## **ANNEX II**

### **OTHER CONDITIONS AND REQUIREMENTS OF THE MARKETING AUTHORISATION**

None.



**ANNEX III**  
**LABELLING AND PACKAGE LEAFLET**

## **A. LABELLING**

**PARTICULARS TO APPEAR ON THE OUTER PACKAGE**

Cardboard boxes

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

DIVENCE IBR MARKER LIVE lyophilisate and solvent for emulsion for injection

**2. STATEMENT OF ACTIVE SUBSTANCES**

Each dose of 2 ml contains:

Live gE- tk- double gene-deleted bovine herpesvirus type 1 (BoHV-1),  
strain CEDDEL  $10^{6.3} - 10^{7.6}$  CCID<sub>50</sub>

**3. PACKAGE SIZE**

One vial of 5 doses of lyophilisate and one vial of 10 ml of solvent.  
One vial of 20 doses of lyophilisate and one vial of 40 ml of solvent.  
One vial of 40 doses of lyophilisate and one vial of 80 ml of solvent.  
One vial of 50 doses of lyophilisate and one vial of 100 ml of solvent.

**4. TARGET SPECIES**

Cattle.

**5. INDICATIONS****6. ROUTES OF ADMINISTRATION**

Intramuscular use.

**7. WITHDRAWAL PERIODS**

Withdrawal period: zero days.

**8. EXPIRY DATE**

Exp. {mm/yyyy}  
Once reconstituted use within 2 hours.

**9. SPECIAL STORAGE PRECAUTIONS**

Store and transport refrigerated. Do not freeze. Protect from light.

**10. THE WORDS “READ THE PACKAGE LEAFLET BEFORE USE”**

Read the package leaflet before use.

**11. THE WORDS “FOR ANIMAL TREATMENT ONLY”**

For animal treatment only.

**12. THE WORDS “KEEP OUT OF THE SIGHT AND REACH OF CHILDREN”**

Keep out of the sight and reach of children.

**13. NAME OF THE MARKETING AUTHORISATION HOLDER**

LABORATORIOS HIPRA, S.A.

**14. MARKETING AUTHORISATION NUMBERS**

EU/2/24/318/001 (5 doses)  
EU/2/24/318/002 (20 doses)  
EU/2/24/318/003 (40 doses)  
EU/2/24/318/004 (50 doses)

**15. BATCH NUMBER**

Lot {number}

**MINIMUM PARTICULARS TO APPEAR ON SMALL IMMEDIATE PACKAGING UNITS**

**Vial of lyophilisate (5 doses, 20 doses, 40 doses or 50 doses)**

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

DIVENCE IBR MARKER LIVE lyophilisate

**2. QUANTITATIVE PARTICULARS OF THE ACTIVE SUBSTANCES**

Each dose of 2 ml contains:

Live *gE- tk-* double gene-deleted bovine herpesvirus type 1 (BoHV-1),  
strain CEDDEL  $10^{6.3} - 10^{7.6}$  CCID<sub>50</sub>

**3. CONTENTS BY WEIGHT, BY VOLUME OR BY NUMBER OF DOSES**

5 doses  
20 doses  
40 doses  
50 doses

**4. BATCH NUMBER**

Lot {number}

**5. EXPIRY DATE**

Exp. {mm/yyyy}

Once reconstituted use within 2 hours.

**PARTICULARS TO APPEAR ON IMMEDIATE PACKAGING (LABEL) OF THE SOLVENT**

**Vial of solvent (10 ml, 40 ml, 80 ml or 100 ml)**

**1. NAME OF THE SOLVENT**

Solvent for DIVENCE IBR MARKER LIVE

**2. CONTENTS BY WEIGHT, BY VOLUME OR BY NUMBER OF DOSES**

10 ml  
40 ml  
80 ml  
100 ml

**3. BATCH NUMBER**

Lot {number}

**4. EXPIRY DATE**

Exp. {mm/yyyy}

## **B. PACKAGE LEAFLET**

## PACKAGE LEAFLET

### 1. Name of the veterinary medicinal product

DIVENCE IBR MARKER LIVE lyophilisate and solvent for emulsion for injection

### 2. Composition

Each dose of 2 ml contains:

#### Active substances:

Live gE- tk- double gene-deleted bovine herpesvirus type 1 (BoHV-1),  
strain CEDDEL  $10^{6.3} - 10^{7.6}$  CCID<sub>50</sub>\*

gE- : deleted glycoprotein E; tk- : deleted thymidine kinase

\* Cell Culture Infectious Dose 50 %

#### Adjuvant:

Montanide IMS 1.010 g

Lyophilisate: white-to-yellow colour.

Solvent: white translucent emulsion.

### 3. Target species

Cattle.

### 4. Indications for use

Active immunisation of cattle from 10 weeks of age to reduce virus shedding, hyperthermia and clinical signs of IBR (infectious bovine rhinotracheitis).

Onset of immunity: 3 weeks after completion of the basic vaccination scheme.

Duration of immunity: 6 months after completion of the basic vaccination scheme.  
1 year after completion of the re-vaccination scheme.

### 5. Contraindications

None.

### 6. Special warnings

Vaccinate healthy animals only.

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

To the user:

This veterinary medicinal product contains mineral oil. Accidental injection/self-injection may result in severe pain and swelling, particularly if injected into a joint or finger, and in rare cases could result in the loss of the affected finger if prompt medical attention is not given. If you are accidentally injected with this veterinary medicinal product, seek prompt medical advice even if only a very small



amount is injected and take the package leaflet with you. If pain persists for more than 12 hours after medical examination, seek medical advice again.

To the physician:

This veterinary medicinal product contains mineral oil. Even if small amounts have been injected, accidental injection with this veterinary medicinal product can cause intense swelling, which may, for example, result in ischaemic necrosis and even the loss of a digit. Expert, PROMPT, surgical attention is required and may necessitate early incision and irrigation of the injected area, especially where there is involvement of finger pulp or tendon.

Pregnancy and lactation:

Can be used during pregnancy and lactation.

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.

Overdose:

No adverse events other than those described in the “Adverse events” were observed.

Special restrictions for use and special conditions for use:

Any person intending to manufacture, import, possess, distribute, sell, supply and use this veterinary medicinal product must first consult the relevant Member State’s competent authority on the current vaccination policies, as these activities may be prohibited in a Member State on the whole or part of its territory pursuant to national legislation.

Official control authority batch release may be required for this product according to national requirements.

Major incompatibilities:

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

## **7. Adverse events**

Cattle:

Very common (>1 animal / 10 animals treated):
Injection site inflammation <sup>1</sup> , elevated temperature <sup>2</sup>
Uncommon (1 to 10 animals / 1,000 animals treated):
Anaphylactic-type reaction <sup>3</sup>

<sup>1</sup> A slight to moderate transient injection site inflammation (up to 14 cm of diameter) may be observed, which rapidly decreases in diameter within 2 days and subsides within 2 weeks without treatment.

<sup>2</sup> An elevated temperature (mean increase 1.7 °C, in individual animals up to 2.4 °C) may occur after vaccination . This increase subsides spontaneously within 3 days.

<sup>3</sup> In cases of anaphylactic-type reactions, an appropriate symptomatic treatment should be administered.

Reporting adverse events is important. It allows continuous safety monitoring of a product. If you notice any side effects, even those not already listed in this package leaflet, or you think that the medicine has not worked, please contact, in the first instance, your veterinarian. You can also report any adverse events to the marketing authorisation holder or the local representative of the marketing

authorisation holder using the contact details at the end of this leaflet, or via your national reporting system: [{national system details}](#)

## **8. Dosage for each species, routes and method of administration**

Intramuscular use.

For use in cattle from 10 weeks of age onwards.

Basic vaccination scheme: administer two doses (2 ml each) with an interval of 3 weeks.

Re-vaccination scheme: one dose of 2 ml should be administered at an interval not longer than 6 months after completion of the basic vaccination scheme.

Subsequent re-vaccination scheme: one dose of 2 ml should be administered at an interval not longer than 12 months.

The vaccine might be used for subsequent re-vaccinations after vaccination with DIVENCE PENTA if there is no further need to protect against BRSV, PI-3 or BVDV.

## **9. Advice on correct administration**

Avoid contamination during reconstitution and use. Use only sterile needles and syringes for administration.

Reconstitute the vaccine with the corresponding volume of solvent:

Number of doses per vial of lyophilisate	Volume of solvent to be used
5 doses	10 ml
20 doses	40 ml
40 doses	80 ml
50 doses	100 ml

1. Peel the top off the aluminium cap on the vial containing the solvent and withdraw 10 ml of volume.
2. Inject the solvent into the vial containing the lyophilisate.
3. Shake until the lyophilisate is in emulsion. The 5-doses vial is now ready to use.
4. For the 20, 40 and 50 doses vials, once the lyophilisate is in emulsion with the 10 ml of solvent, withdraw all the emulsion obtained from the vaccine vial and inject it into the vial containing the remaining solvent.
5. Shake until the lyophilisate is in emulsion.

The reconstituted vaccine is a white-to-yellow emulsion.

## **10. Withdrawal periods**

Zero days.

## **11. Special storage precautions**

Keep out of the sight and reach of children.

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

Do not use this veterinary medicinal product after the expiry date, which is stated on the vial label after Exp. The expiry date refers to the last day of that month.

Shelf life after reconstitution according to directions: 2 hours.

## **12. Special precautions for disposal**

Medicines should not be disposed of via wastewater or household waste.

Use take-back schemes for the disposal of any unused veterinary medicinal product or waste materials derived thereof in accordance with local requirements and with any applicable national collection systems. These measures should help to protect the environment.

Ask your veterinary surgeon or pharmacist how to dispose of medicines no longer required.

## **13. Classification of veterinary medicinal products**

Veterinary medicinal product subject to prescription.

## **14. Marketing authorisation numbers and pack sizes**

Marketing authorisation numbers:

EU/2/24/318/001 - 004

Pack sizes:

Cardboard box containing 1 vial of 5 doses of lyophilisate and 1 vial containing 10 ml of solvent.

Cardboard box containing 1 vial of 20 doses of lyophilisate and 1 vial containing 40 ml of solvent.

Cardboard box containing 1 vial of 40 doses of lyophilisate and 1 vial containing 80 ml of solvent.

Cardboard box containing 1 vial of 50 doses of lyophilisate and 1 vial containing 100 ml of solvent.

Not all pack sizes may be marketed.

## **15. Date on which the package leaflet was last revised**

Detailed information on this veterinary medicinal product is available in the [Union Product Database \(https://medicines.health.europa.eu/veterinary\)](https://medicines.health.europa.eu/veterinary).

## **16. Contact details**

Marketing authorisation holder and manufacturer responsible for batch release :

LABORATORIOS HIPRA, S.A.

Avda. la Selva 135

17170 Amer (Girona) SPAIN

Tel: +34 972 43 06 60

Local representatives and contact details to report suspected adverse reactions:

For any information about this veterinary medicinal product, please contact the local representative of the marketing authorisation holder.

**België/Belgique/Belgien**

HIPRA BENELUX NV  
Nieuwewandeling 62  
9000 Gent  
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Tel: +32 09 2964464

**Lietuva**

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**Luxembourg/Luxemburg**

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**Česká republika**

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**Ελλάδα**

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**Hrvatska**

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**Ireland**

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**Italia**

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**Polska**

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Tel: +48 22 642 33 06

**Portugal**

ARBUSET, Produtos Farmacêuticos e Sanitários  
De Uso Animal, Lda  
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**România**

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**Slovenija**

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**Slovenská republika**

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**Suomi/Finland**

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**Sverige**

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**United Kingdom (Northern Ireland)**

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**17. Other information**

Vaccinated animals can be differentiated from field virus infected animals, due to the marker deletion (*gE*-), by means of commercial diagnostic kits.