

# Summary of Product Characteristics

## 1 NAME OF THE VETERINARY MEDICINAL PRODUCT

Intra-Epicaine 20 mg/ml solution for injection for horses

## 2 QUALITATIVE AND QUANTITATIVE COMPOSITION

1 ml contains:

Active substance:

Mepivacaine hydrochloride 20 mg

For the full list of excipients see section 6.1.

## 3 PHARMACEUTICAL FORM

Solution for injection. A clear, colourless mobile liquid, practically free from visible particles.

## 4 CLINICAL PARTICULARS

### 4.1 Target Species

Horses

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

Mepivacaine is indicated for infiltration, nerve block, intra-articular and epidural anaesthesia in horses.

### 4.3 Contraindications

None.

### 4.4 Special warnings for each target species

None.

### 4.5 Special precautions for use

#### Special precautions for use in animals

Care should be taken to avoid intra-vascular injection by aspiration prior to and during administration.

The analgesic effect of mepivacaine, when used as part of a lameness investigation, begins to subside after 45 – 60 minutes. However, sufficient analgesia may persist to affect gait beyond two hours.

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

Care should be taken to avoid accidental self injection or skin contact. In the event of accidental self-injection medical advice should be sought. Wash splashes from skin and eyes immediately.

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

Transient, local soft tissue swelling may occur in a small proportion of cases following injection of the product.

Local anaesthetics used in excess can cause systemic toxicity characterised by CNS effects.

If systemic toxicity occurs, as a result of inadvertent intra-vascular injection, the administration of oxygen to treat cardio-respiratory depression and diazepam to control convulsions should be considered.

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

Not contra-indicated.

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

None known.

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

Full aseptic precautions should be observed when injecting the product.

For infiltration: As required but as a guide 2-5 ml

For nerve block: 2-10 ml depending on location

For intra-articular anaesthesia: 5 ml

For epidural anaesthesia: 4-10 ml depending on the depth and extent of anaesthesia required.

In all instances the dosage should be kept to the minimum required to produce the desired effect. The depth and extent of anaesthesia should be determined by pressure with a blunt point, such as the tip of a ball point pen, before commencing manipulations. The duration of action is about 1 hour. It is recommended that the skin should be shaved and thoroughly disinfected prior to the intra-articular or epidural administration.

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

Local anaesthetics used in excess can cause systemic toxicity characterised by CNS effects.

If systemic toxicity occurs, as a result of inadvertent intra-vascular injection, the administration of oxygen to treat cardio-respiratory depression and diazepam to control convulsions should be considered.

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

Not to be used in horses intended for human consumption. Treated horses may never be slaughtered for human consumption. The horse must have been declared as not intended for human consumption under national horse passport legislation.

### **5 PHARMACOLOGICAL or IMMUNOLOGICAL PROPERTIES**

Mepivacaine Hydrochloride is a potent local anaesthetic, with a rapid onset of action. Since it does not cause vasodilation it does not require adrenaline to prolong its effect. Mepivacaine had been employed successfully for all types of local anaesthesia and is recommended for infiltration, nerve block, intra-articular and epidural anaesthesia in the horse.

ATC vet Code: QN01BB03

#### **5.1 Pharmacodynamic properties**

The mechanism of action of mepivacaine is to prevent the generation and conduction of the nerve impulse. Conduction is blocked by decreasing or preventing the large transient increase in the permeability of excitable membranes to Na<sup>+</sup> that is produced by a slight depolarisation. This action is due to a direct effect with voltage-sensitive Na<sup>+</sup> channels.

Mepivacaine exists in both charged and uncharged forms at physiological pH while the intracellular environment favours formation of the active, charged molecule. The onset of action of mepivacaine is, therefore, rapid (2-4 minutes) with an intermediate duration of action (about 1 hour).

#### **5.2 Pharmacokinetic particulars**

Peak venous levels of mepivacaine have been measured in mares following caudal epidural anaesthesia or caudal subarachnoid anaesthesia. The maximum venous concentrations were similar (0.05 µg/ml) and were reached in 51-55 minutes. In a separate study, mepivacaine or its metabolites appeared in the urine within 15 minutes of subcutaneous injection and reached peak levels within 2-6 hours. It was largely cleared from the urine within 24 hours. The major metabolite in horse urine is 3-hydroxymepivacaine.

## **6 PHARMACEUTICAL PARTICULARS**

### **6.1 List of excipients**

Sodium chloride  
Water for injections  
Sodium hydroxide

### **6.2 Major incompatibilities**

In the absence of compatibility studies, this veterinary medicinal product must not be mixed with other veterinary medicinal products.

### **6.3 Shelf-life**

Shelf life of the veterinary medicinal product as packaged for sale: 5 years.

This product does not contain an antimicrobial preservative. Once opened, use immediately. Discard any unused material.

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

Do not store above 25°C.

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

Clear glass vials containing 10 ml, with a red chlorobutyl stopper and aluminium seals, are available in cartons of six.

### **6.6 Special precautions for the disposal of unused veterinary medicinal products 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 local requirements.

**7 MARKETING AUTHORISATION HOLDER**

Dechra Regulatory B.V.  
Handelsweg 25  
5531 AE Bladel  
Netherlands

**8 MARKETING AUTHORISATION NUMBER(S)**

VPA22622/013/001

**9 DATE OF FIRST AUTHORISATION/RENEWAL OF THE AUTHORISATION**

Date of first authorisation: 01 December 2006  
Date of last renewal: 30 September 2011

**10 DATE OF REVISION OF THE TEXT**

January 2019