

# The Reference in Prevention in Rabbits

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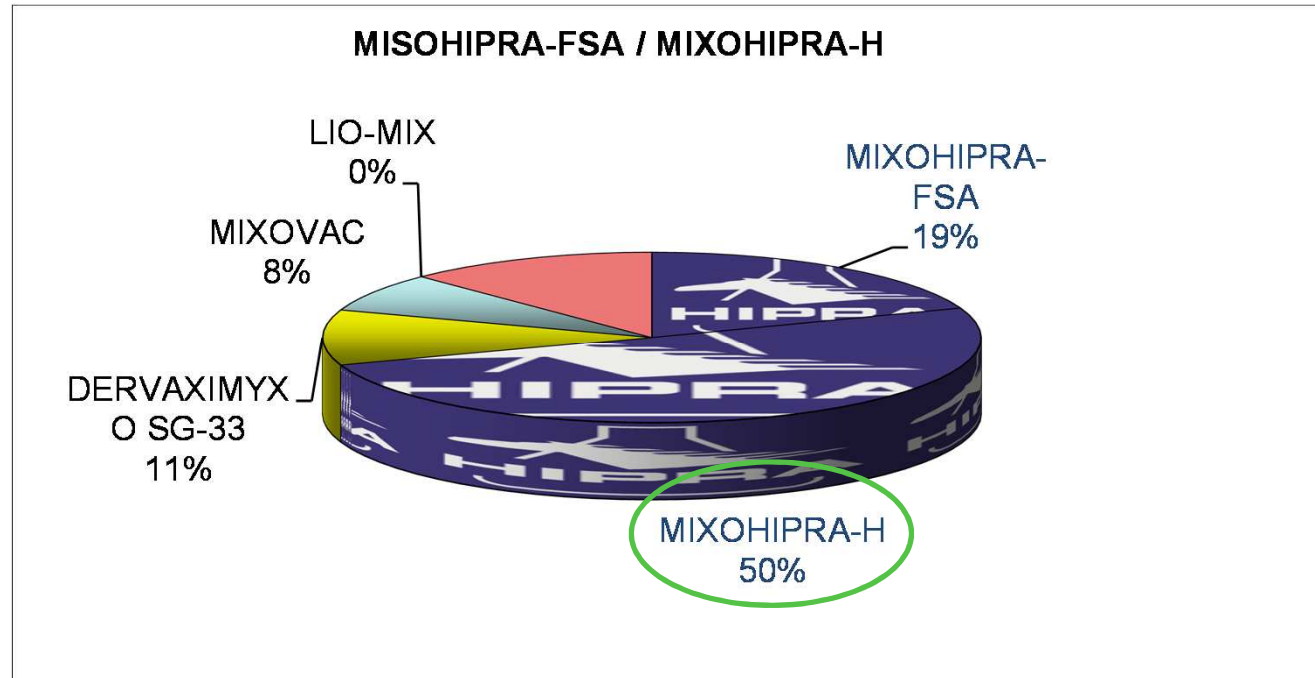


# HIPRA: The Reference in Prevention in Rabbits



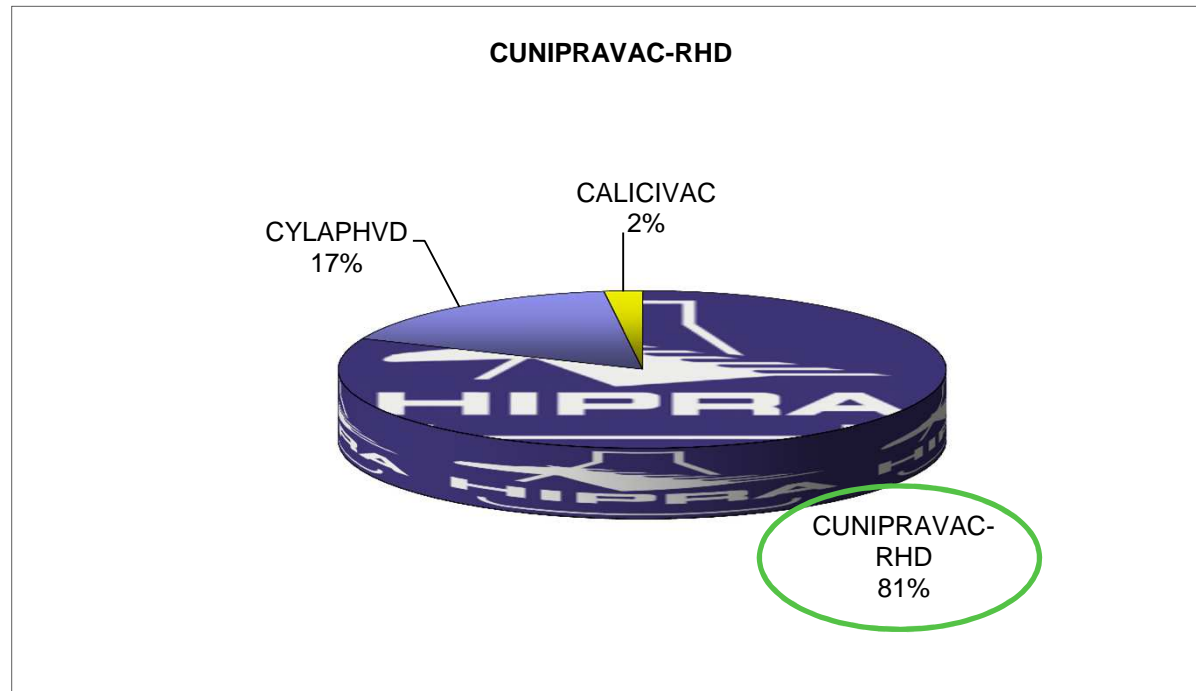
- Experts in the development and commercialisation of rabbit vaccines.
- Leading the market for RHD and Myxomatosis in the most important markets in the EU.

# Spanish Market Myxomatosis



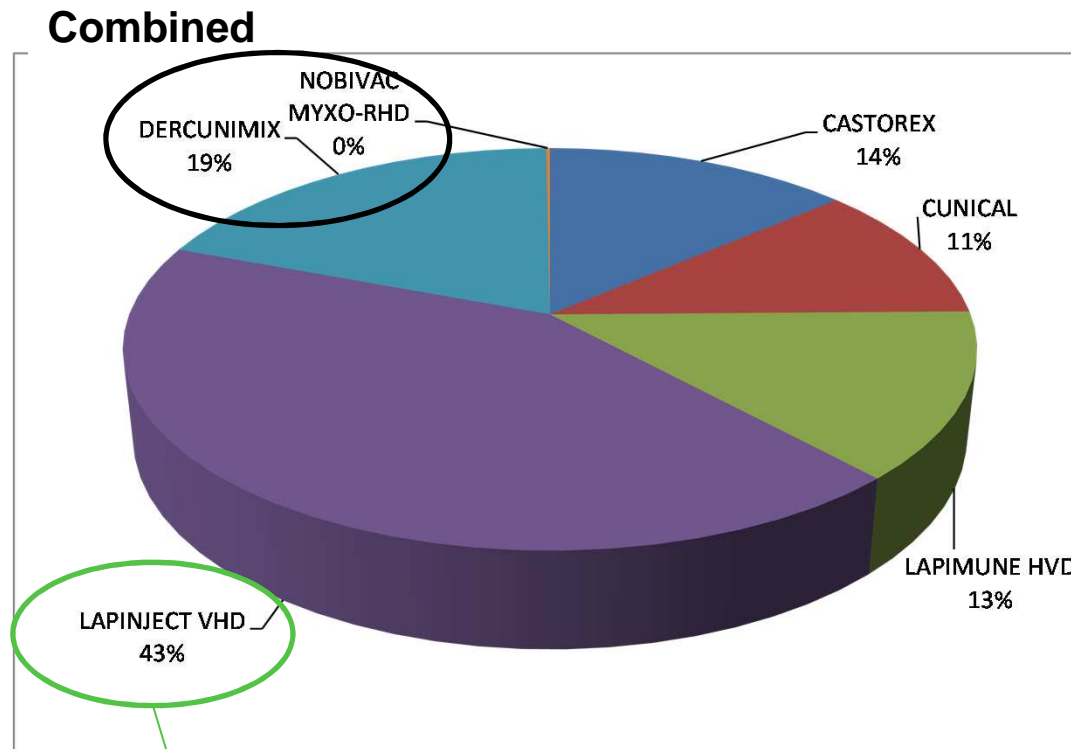
(Veterindustria, 2010)

# Spanish Market RHD



(Veterindustria, 2010)

# French Market RHD



(France Agency, 2011)



# HIPRA: The Reference in Prevention in Rabbits

- **CUNIPRAVAC<sup>®</sup> RHD**

- Inactivated vaccine against rabbit haemorrhagic disease
- Oil based adjuvant (greater and longer lasting immunity)
- Subcutaneous administration (0.5 ml/rabbit)



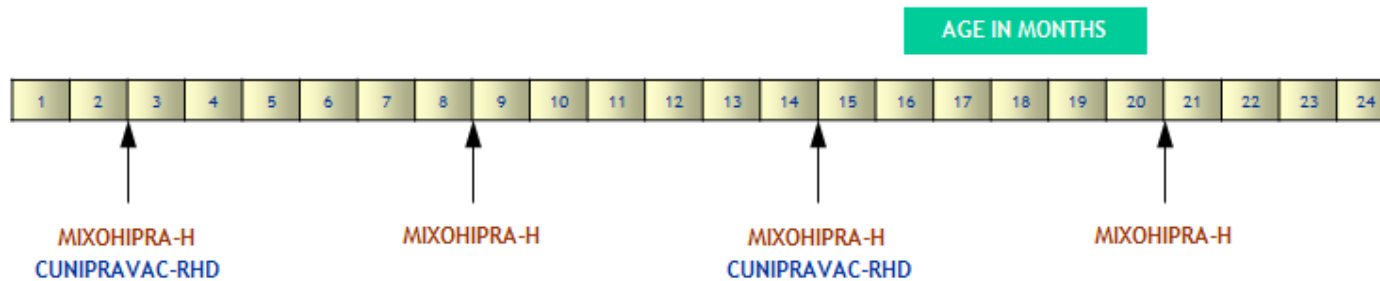
- **MIXOHIPRA<sup>®</sup> H**

- Live homologous vaccine against myxomatosis
- Freeze-dried fraction + solvent
- Subcutaneous administration (0.5 ml/rabbit), or intradermically (0.1 ml/rabbit) by Dermojet system

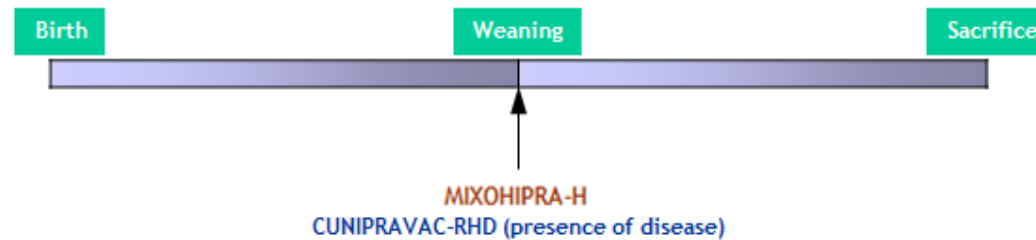


# HIPRA: The Reference in Prevention in Rabbits

## GENERAL VACCINAL PLAN FOR BREEDERS



## GENERAL VACCINAL PLAN FOR FATTENING



# TOXIPRA<sup>®</sup> PLUS

*A wise decision*

- Inactivated vaccine to prevent enterotoxemia

- Composition: (per 2 ml)

*Clostridium perfringens (types B, C and D)*

*>10 IU of  $\beta$  antitoxin/ml of serum and*

*>5 IU of  $\epsilon$ -antitoxin/ml of serum;*

*Clostridium novyi type B > 3.5 IU of  $\alpha$ -antitoxin/ml of serum;*

*Clostridium septicum >2.5 IU of  $\alpha$  -antitoxin/ml of serum;*

*Clostridium tetani > 2.5 IU of antitoxin/ml of serum*

*Clostridium chauvoei 100% protection\* (anaculture)*

*Adjuvant*

- I.M or S.C administration (0.5 ml/rabbit)





# TOXIPRA<sup>®</sup> PLUS

*A wise decision*

- Breeding rabbits:
  - From 2 months of age: apply 1 dose + a revaccination dose with an interval of 21 days.
  - Booster dose every 4 - 6 months.
- Rabbits for fattening:
  - Before weaning at a dose of 0.2 ml / animal every 20 - 25 days.



# Pharmaceuticals for Rabbits



# Hormonal range

## Gonadorelin, in injectable solution

- Indications: Ovulation induction.
- Administration route: Intramuscular.  
0.2 ml/animal (equivalent to 20 µg of gonadorelin/animal)
- Withdrawal time: 0 days.
- Packaging: 10 ml and 20 ml vial.

**GESTAVET®**  
**GnRH**



# Antibiotics range

## Composition:

Enrofloxacin 100 mg/ml + **excipient**

## Indications for use:

Rabbits (**only in Europe**): *Pasteurellosis*

## Posology and method administration:

Rabbits: 0.1 ml/L kg b.w./day, for 5 days (= 10 mg enro/kg b.w./day)

## Withdrawal period:

Meat: 2 days

## Nature and contents of container:

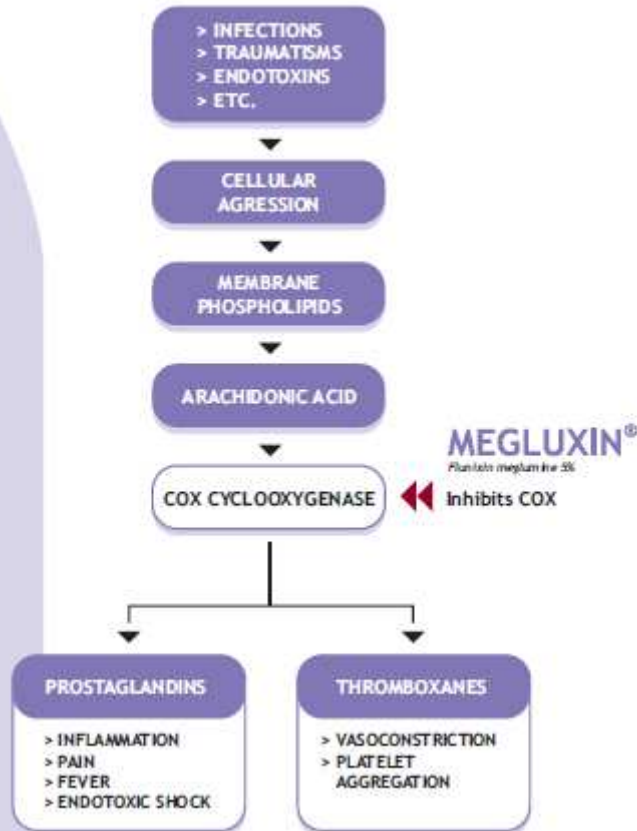
Bottle 1000 ml – 5000 ml

**HIPRALONA®**  
**ENRO-S**



# MEGLUXIN<sup>®</sup> : Pharmacodynamic properties

## Inflammation



MEGLUXIN<sup>®</sup> is Flunixin meglumine 5% in injectable solution.

Is a nonsteroidal anti-inflammatory drug (NSAID) with anti-inflammatory, analgesic and antipyretic properties.

Flunixin meglumine acts as a non-selective and reversible inhibitor of cyclooxygenase (COX).

– COX is an enzyme that converts arachidonic acid to unstable cyclic endoperoxides that are then transformed into prostaglandins, prostacyclin and thromboxane.

– Some of these prostanoids, such as prostaglandins, are involved in the physiopathological mechanisms of inflammation, pain and fever; thus, its inhibition would be responsible for its therapeutic effects.

# Indications, dose and administration route

- Rabbits

**Offlabel use!**

- Indications:

- Anti-inflammatory, analgesic, antipyretic

- Dosage and route:

- IM or SC
- 1.1 mg of flunixin (meglumine)/kg b.w. (equivalent to 0.22 ml MEGLUXIN/10 kg b.w.). One or two injections may be administered 12 hours apart



Antipyretic, analgesic and anti-inflammatory properties of different molecules:

	ANTIPYRETIC activity	ANALGESIC activity	ANTI-INFLAMMATORY activity	ANTIHISTAMINIC activity
KETOPROFEN	●	●●	●●●	—
MELOXICAM	●	●●	●●●	—
TOLFENAMIC acid	●	●●●	●●●●	—
DEXAMETHASONE	—	—	●●●●	●●●●
<b>MEGLUXIN®</b> <small>Flunixin meglumine 3%</small>	●	●●●	●●●●	—