

## **LABELLING AND PACKAGE LEAFLET**

## **A. LABELLING**

**PARTICULARS TO APPEAR ON THE OUTER PACKAGE**

**Cardboard box**

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

HuveGuard MMAT suspension for oral suspension for chickens

**2. STATEMENT OF ACTIVE SUBSTANCES**

Per dose:

<i>Eimeria acervulina</i> , strain RA 3+20	50	-139 oocysts
<i>Eimeria maxima</i> , strain MCK+10	100	-278 oocysts
<i>Eimeria mitis</i> , strain Jormit 3+9	100	-278 oocysts
<i>Eimeria tenella</i> , strain Rt 3 +15	150	-417 oocysts

**3. PHARMACEUTICAL FORM**

Suspension for oral suspension.

**4. PACKAGE SIZE**

1 x 1,000 doses  
5 x 1,000 doses  
10 x 1,000 doses  
1 x 5,000 doses  
5 x 5,000 doses  
10 x 5,000 doses

**5. TARGET SPECIES**

Chickens.

**6. INDICATION(S)**

Read the package leaflet before use.

**7. METHOD AND ROUTE(S) OF ADMINISTRATION**

Oral use  
Read the package leaflet before use.

**8. WITHDRAWAL PERIOD(S)**

Withdrawal period: zero days.

**9. SPECIAL WARNING(S), IF NECESSARY**

Read the package leaflet before use.

**10. EXPIRY DATE**

EXP: <{dd/mm/yyyy}>

Once broached use immediately.

Once diluted use within 4 hours.

**11. SPECIAL STORAGE CONDITIONS**

Store in a refrigerator. Do not freeze. Protect from light.

**12. SPECIFIC PRECAUTIONS FOR THE DISPOSAL OF UNUSED PRODUCTS OR WASTE MATERIALS, IF ANY**

Disposal: read package leaflet.

**13. THE WORDS “FOR ANIMAL TREATMENT ONLY” AND CONDITIONS OR RESTRICTIONS REGARDING SUPPLY AND USE, IF APPLICABLE**

For animal treatment only. To be supplied only on veterinary prescription.

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

Keep out of the sight and reach of children.

**15. NAME AND ADDRESS OF THE MARKETING AUTHORISATION HOLDER**

Huvepharma N.V.  
Uitbreidingstraat 80  
2600 Antwerp  
Belgium

**16. MARKETING AUTHORISATION NUMBER(S)**

Vm 30282/4034

**17. MANUFACTURER’S BATCH NUMBER**

Lot:

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

**Vial**

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

HuveGuard MMAT suspension for oral suspension for chickens

**2. QUANTITY OF THE ACTIVE SUBSTANCE(S)**

Per dose:

<i>Eimeria acervulina</i>	50 -139 oocysts
<i>Eimeria maxima</i>	100 -278 oocysts
<i>Eimeria mitis</i>	100 -278 oocysts
<i>Eimeria tenella</i>	150 -417 oocysts

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

1000 doses

5000 doses

**4. ROUTE(S) OF ADMINISTRATION**

Oral use

**5. WITHDRAWAL PERIOD(S)**

Withdrawal period: zero days

**6. BATCH NUMBER**

Lot:

**7. EXPIRY DATE**

EXP: <{dd/mm/yyyy}>

**8. THE WORDS "FOR ANIMAL TREATMENT ONLY"**

For animal treatment only.

**B. PACKAGE LEAFLET**

**PACKAGE LEAFLET FOR:  
HuveGuard MMAT suspension for oral suspension for chickens**

**1. NAME AND ADDRESS OF THE MARKETING AUTHORISATION HOLDER  
AND OF THE MANUFACTURING AUTHORISATION HOLDER  
RESPONSIBLE FOR BATCH RELEASE, IF DIFFERENT**

Marketing authorisation holder:

Huvepharma N.V.  
Uitbreidingstraat 80  
2600 Antwerp  
Belgium

Manufacturer responsible for batch release:

Biovet JSC  
39 Petar Rakov Street  
4550 Pesthera  
Bulgaria

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

HuveGuard MMAT suspension for oral suspension for chickens

**3. STATEMENT OF THE ACTIVE SUBSTANCE(S) AND OTHER  
INGREDIENT(S)**

One dose of 0.025 ml contains:

**Active substances:**

Sporulated oocysts derived from attenuated precocious strains of *Eimeria* species:

<i>Eimeria acervulina</i> , (strain RA 3+20	50	-139 oocysts*
<i>Eimeria maxima</i> , strain MCK+10	100	-278 oocysts*
<i>Eimeria mitis</i> , strain Jormit 3+9	100	-278 oocysts*
<i>Eimeria tenella</i> , strain Rt 3 +15	150	-417 oocysts*

\*According to the *in vitro* counting procedure of the manufacturer at the time of blending and at release.

Colourless to white to light beige suspension when shaken.

**4. INDICATION(S)**

For the active immunisation of chickens to reduce infection and clinical signs of coccidiosis caused by *E. acervulina*, *E. maxima*, *E. mitis* and *E. tenella*.

Onset of immunity: 21 days post vaccination.

Duration of immunity: not demonstrated.

## **5. CONTRAINDICATIONS**

None.

## **6. ADVERSE REACTIONS**

None known.

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 inform your veterinary surgeon.

## **7. TARGET SPECIES**

Chickens.

## **8. DOSAGE FOR EACH SPECIES, ROUTE(S) AND METHOD OF ADMINISTRATION**

Oral use (spray on birds, spray on feed, drinking water).

Vaccination schedule:

Spray on birds and spray on feed: administer one dose of vaccine to each chicken from 1 day of age.

Drinking water: administer one dose of vaccine to each chicken from 3 days of age.

## **9. ADVICE ON CORRECT ADMINISTRATION**

Each method of administration uses 30 ml vials containing either 1000 or 5000 doses of vaccine. Once the vial is opened, the entire contents must be used.

### Administration via spray onto feed

Sufficient starter feed for the chicks' first 12-24 hours should be laid out on paper or plastic along the floor of the poultry house.

Shake the vaccine vial vigorously for 30 seconds before use to resuspend the oocysts. Dilute the vaccine in water at the rate of approximately 1000 doses in 1 litre of water (5000 doses in 5 litres) To ensure that all oocysts are removed from the vial, rinse it out 3 times with water. Spray the oocyst suspension evenly over the surface of the feed using a coarse spray. Ensure a controlled even coverage of the total surface area of the feed available to the chickens. Agitate the applicator reservoir regularly throughout spraying to avoid settling-out of oocysts. Ensure that all available feed is treated and that the total number of doses dispensed matches the number of birds in the house.

Once the vaccine has been diluted for use it should be sprayed immediately onto feed and birds should be placed with access to the feed immediately.

When the treated allocation of feed has been consumed, routine feeding may continue.

It is recommended to monitor the feed intake and behaviour of the birds and to apply the vaccine by this method only after an adequate feed intake is expected.

#### Administration via drinking water

For the administration of the vaccine drinkers must be used.

Provide an adequate number of drinkers and drinking space so that all chicks have access to the vaccinal water and thus can receive the correct dose.

Place the drinkers evenly in the area where chicks are housed.

Water should be withheld for 2 - 4 hours before vaccination.

Preparation of the xanthan gum suspension:

Commercially available xanthan gum can be used.

For 1000 doses put 3 litres of clean drinking water at room temperature in a suitable container and dissolve 5 g xanthan gum.

For 5000 doses put 15 litres of clean drinking water at room temperature in a suitable container and dissolve 25 g xanthan gum.

Prepare the vaccine suspension as follows:

To re-suspend the oocysts, shake the vaccine vial vigorously. Open the vial and pour the whole contents into clean drinking water at room temperature: 2 litres for 1000 doses and 10 litres for 5000 doses. To ensure that all oocysts are removed from the vial, rinse it out 3 times with water. Shake the obtained 2 litres (1000 doses) or 10 litres (5000 doses) of vaccine suspensions and transfer gradually into the prepared xanthan gum suspension, mixing thoroughly to ensure a homogeneous suspension. Mixing the xanthan gum suspension together with the vaccine suspension will result in a final quantity of 5 litres (for 1000 doses) or 25 litres (for 5000 doses) vaccine-xanthan gum suspension. Pour the vaccine-xanthan gum suspension into the drinking equipment.

#### Administration via spray on chickens

For each 100 birds a dose volume of about 24 ml (0,24 ml/bird) of coarse spray suspension has to be prepared.

For spraying on chickens use Brilliant Blue (E133) coloring agent.

Preparation of the coloured diluent:

For 1000 doses put 240 ml of water in a suitable container and add Brilliant Blue (E133) colorant at a concentration of 0.01% w/v.

For 5000 doses put 1200 ml of water in a suitable container and add Brilliant Blue (E133) colorant at a concentration of 0.01% w/v.

Preparation and administration of the vaccine suspension:

Shake the 1000- or 5000- doses vial vigorously to re-suspend the oocysts.

Add the entire content of the vial to the diluent and mix thoroughly. Rinse the vial 3 times with diluent to ensure that all oocysts are removed. Fill the vaccine reservoir of the spraying device with the full volume prepared. Continuously maintain homogeneity of the vaccine suspension. The pressure of the spraying device should be at 3 bars. The spraying device must provide a droplet size of  $\geq 100 \mu\text{m}$ .

To improve the uniformity of the vaccination maintain the chicks inside the chick box for at least 1 hour in order to let them ingest all the vaccine droplets. Make sure that there is enough light so that the chickens are awake and preen themselves and each other.

## **10. WITHDRAWAL PERIOD(S)**

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.

Shelf life after first opening the container: use immediately, do not store.

Shelf-life after dilution according to directions: 4 hours.

Do not use this veterinary medicinal product after the expiry date which is stated on the label.

## **12. SPECIAL WARNING(S)**

### Special warnings for each target species:

Vaccinate healthy animals only.

The vaccine contains live coccidian oocysts and is dependent upon replication of the vaccinal strains within the chickens for building up of immunity.

It is common to find oocysts in the gastro-intestinal tract of vaccinated birds from 1-3 weeks or more after vaccination. These oocysts are most likely to be vaccinal oocysts which recycle in the birds via the litter. Recycling of oocysts is necessary for the development of immunity and for continued protection.

Since the protection against coccidial infection following vaccination is enhanced by natural challenge, access to any therapeutic agents having anti-coccidial activity at any time following vaccination can adversely affect the development of immunity.

This is important throughout the life of the chicken.

### Special precautions for use in animals:

Chickens must be strictly floor-reared on litter.

To reduce the chance of coccidial challenge before the onset of immunity, litter should be removed and chicken housing should be thoroughly cleaned between rearing cycles.

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

When spraying the vaccine onto chicks or onto feed, personal protective equipment consisting of a well-fitting mask and eye protection should be worn by the operator. Wash and disinfect hands and equipment after use.

### Lay:

The safety of the veterinary medicinal product has not been established during lay. Do not use in birds in lay and within 4 weeks before the onset of the laying period.

### Interaction with other medicinal products and other forms of interaction:

Do not administer any anticoccidial agents, including sulphonamides before or after vaccination, as doing so will have a negative impact on immunity which is dependent on the recycling of oocysts in the environment.

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 (symptoms, emergency procedures, antidotes):

No side effects have been observed following administration of a 10-fold overdose.

Incompatibilities:

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

**13. SPECIAL PRECAUTIONS FOR THE DISPOSAL OF UNUSED PRODUCT OR WASTE MATERIALS, IF ANY**

Ask your veterinary surgeon how to dispose of medicines no longer required. These measures should help to protect the environment.

**14. DATE ON WHICH THE PACKAGE LEAFLET WAS LAST APPROVED**

September 2020

**15. OTHER INFORMATION**

Vaccination is followed by continuous and lifelong recycling of vaccinal oocysts in birds via the litter. This recycling of oocysts results in the development of immunity and continued protection against wild strains of the four Eimeria strains.

Low density polyethylene (LDPE) vial of 30 ml with a grey butyl rubber stopper and aluminum cap containing either 1000 or 5000 doses.

Pack sizes

Cardboard box with 1 vial of 1000 doses

Cardboard box with 1 vial of 5000 doses

Cardboard box with 5 vials of 1000 doses

Cardboard box with 5 vials of 5000 doses

Cardboard box with 10 vials of 1000 doses

Cardboard box with 10 vials of 5000 doses

Not all pack sizes may be marketed.

Approved 11 September 2020

