

FOR ANIMAL TREATMENT ONLY

EIMERIAVAX PLUS

Active Constituents: This vaccine contains viable oocysts of *E. necatrix* Strain medneC₃₊₈ and *E. brunetti* Strain Roybru₃₊₂₈ suspended in phosphate buffered saline (PBS). Each dose comprises a minimum of *E. necatrix* 100 oocysts and *E. brunetti* 50 oocysts, with a minimum predicted titre of 6×10^3 (1000 dose) or 3×10^4 (5000 dose) oocysts per mL at the end of the shelf life.

Statement of Claims: Live oocyst preparation to aid in the control of the two species of *Eimeria* that cause Coccidiosis in breeders, broilers and layer chickens in Australia. An effective immune response can be expected for at least 18 weeks post-vaccination. Continuing exposure to oocysts in the environment is essential and provides ongoing stimulus to the immune system. Under these conditions, a protective immune response beyond 18 weeks of age can be expected. When birds are removed from the source of vaccine oocysts, such as when they are transferred between facilities, immunity may wane due to reduced exposure to cycling oocysts. As a result, birds may subsequently become susceptible to field infections from *Eimeria* species represented in the vaccine.

1000 or 5000 Doses

Contents: 1000 or 5000 doses in a plastic bottle. The *Eimeria* oocysts are supplied as a suspension of oocysts in PBS. Suspensions are contained within a single capped bottle accessed by removing the top foil cap and bung.

READ DIRECTIONS CAREFULLY

DIRECTIONS FOR USE

Contraindications:

- This product is contraindicated for vaccinating unhealthy birds.

Precautions:

- Avoid using in-feed or water anticoccidial medications at or soon after the time of vaccination, unless controlling clinical coccidiosis.
- Avoid vaccinating with Eimeriavax™ PLUS unless birds are protected from exposure to litter from the previous batch for up to 14 days post-vaccination.
- Avoid using Eimeriavax™ PLUS as a diluent for other medications or treatments.
- Avoid using in birds in lay.
- Avoid administration of sulfa drugs immediately following vaccination with Eimeriavax™ PLUS as this will delay oocyst output and impair immune response.

Side Effects

- Depression and some lesions associated with vaccination may be observed.

Dosage and Administration:

USE ALL PRODUCT WITHIN 24 HOURS OF OPENING. Birds from 14 days of age can be vaccinated with Eimeriavax™ PLUS. With individual bird administration, it is essential for each bird to receive a full dose. A second dose should be administered if the first is not fully absorbed by the eye. It is recommended that all birds be vaccinated prior to 18 weeks of age. The most appropriate age to vaccinate may be determined from knowledge of the challenge conditions applicable to the flocks concerned. The effect of Eimeriavax™ PLUS vaccination during lay has not been assessed.

Method of Vaccination:

Preparation of vaccine for administration via eye drop (1000 doses):

- Eye drop administration of the 5000 dose presentation is not recommended due to the higher concentration.
- Gently shake bottles to fully resuspend all oocysts and remove the cap.
- Insert an eye-dropper tip or other administration device, calibrated so as to distribute 25 microliter drops of vaccine.
- Hold each bird with its head tilted to one side.
- If using a dropper tip attached to the bottle, invert the dropper bottle.
- Allow a single drop to form at the tip and fall freely into the open eye, gently flooding it. The drop (before release) and dropper tip or administration device should NOT touch the eye surface.
- Allow the bird to blink before releasing it.
- Administer a second drop if the bird did not receive a full dose.

Preparation of vaccine for administration via drinking water (1000 and 5000 doses):

- For the administration of the vaccine drinkers must be used.
- Provide an adequate number of drinkers or 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.

Prepare the vaccine suspension as follows:

- For 1000 doses, dissolve 5 g xanthan gum in 3 litres of clean drinking water at room temperature; for 5000 doses, dissolve 25 g in 15 litres.
- To re-suspend the oocysts, shake the vaccine vial thoroughly. Open the vial and pour the whole contents in clean drinking water at room temperature; 2 litres for 1000 doses and 10 litres for 5000 doses.
- Put 5 ml of the diluted vaccine back into the vial, shake and pour the entire contents back into the bottle containing the diluted vaccine. Repeat this several times to ensure that all of the oocysts have been removed from the vaccine vial.
- Shake the 2 litres (of 1000 doses) or 10 litres (of 5000 doses) of vaccine suspensions and transfer 1 or 5 litres of the respective vaccine suspension into 3 or 15 litres of the prepared xanthan gum suspension, mixing thoroughly to ensure a homogeneous solution.
- Shake the remaining 1 or 5 litres of vaccine suspension and add also to the final vaccine-xanthan gum suspension, again thoroughly mixing to ensure homogeneity. Pour the resulting 5 or 25-litre quantity of vaccine-xanthan gum suspension into the drinkers. Ensure that there is at least 500 ml of vaccine suspension per 100 chicks in the drinkers.

Post vaccination general instructions:

- Continued exposure to oocysts in the environment is essential for the development of an effective immune response.
- It is recommended that from 5 days post-vaccination, birds be spread over as large a shed floor area as possible.
- **Birds housed in cages:** These birds should be vaccinated a minimum of 14 days before being placed onto litter or into slat sheds.
- **Birds reared on litter:** These birds can be vaccinated from 14 days of age. Anticoccidial medication is never recommended unless clinical coccidiosis from wild field strains is affecting bird performance. In these instances manufacturer's recommendations for the medication program are to be followed.
- If depression associated with vaccination is noted, light intensity should be increased and/or extended and extra feed provided.
- Monitor birds carefully for 4 weeks post-vaccination. Some lesions can be expected. Lesions can be associated with an immune response and should not be used as the sole criterion for assessing efficacy.
- Investigate all suspect coccidiosis lesions as this vaccine does not protect against *Eimeria* species that are not

represented in the vaccine. Monitor gross lesions scores for 4 weeks post-vaccination.

WITHHOLDING PERIODS: NIL

USER SAFETY INFORMATION:

Accidental contact of Eimeriavax™ PLUS with eyes or mouth may cause irritation. Eyes should be rinsed immediately and medical advice sought. The mouth should be rinsed two or three times with a mouth gargle.

Additional information is available on the product Safety Data Sheet.

FIRST AID:

If poisoning occurs, contact a Doctor or Poisons Information Centre on 13 11 26.

DISPOSAL:

Discard unused vaccine and empty vaccine bottles into a disinfectant solution (e.g. chlorine based bleach). Dispose of any such inactivated, unused vaccine and empty containers by wrapping in paper and putting in garbage.

In cases of spillage, soak up the liquid with an absorbent sponge or cloth and incinerate. Treat the surface with a disinfectant solution (e.g. chlorine based bleach).

CAUTION:

The capability of this vaccine to produce satisfactory results depends upon many factors including, but not limited to, conditions of storage and handling by the user, administration of the vaccine, health and responsiveness of individual birds and degree of field exposure. Therefore, directions for use should be followed carefully.

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BIOPROPERTIES Pty Ltd
Eimeria Pty Ltd



STORAGE INSTRUCTIONS:

Product should be stored between 2°C and 8°C (Refrigerate. Do not freeze) until required.

Product should be used by the expiry date.

WARRANTY AND DISCLAIMER

BIOPROPERTIES Pty Ltd manufactures, markets and sells Eimeriavax™ PLUS on behalf of Eimeria Pty Ltd. Eimeriavax™ PLUS has been tested and meets safety and potency standards according to the Standards required by APVMA. BIOPROPERTIES Pty Ltd and Eimeria Pty Ltd accept no responsibility for events arising from the misuse or mishandling of the product. BIOPROPERTIES Pty Ltd and Eimeria Pty Ltd give no warranty (express or implied) with respect to the product, including without limitation any warranty as to completeness, merchantability or fitness for a particular purpose. Under no circumstances shall BIOPROPERTIES Pty Ltd or Eimeria Pty Ltd be liable for indirect, special, consequential or punitive damages.

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