

# BOVILIS<sup>®</sup> HUSKVAC

## The Only Vaccine for the Prevention of Lungworm

### Why is there a need for a lungworm vaccine?

Bovilis Huskvac is the only vaccine for the prevention of lungworm infection in cattle. There is a demand for Bovilis Huskvac for the following reasons:

1. Coughing cows – an increase in the incidence of lungworm in heifers in their 2<sup>nd</sup> grazing season and adult cows in the last 10 years may be associated with inadequate opportunities of developing immunity due to over worming in the first grazing season.<sup>1,2,3</sup>
2. Reduce unnecessary use of anthelmintics – Bovilis Huskvac can be used in combination with other strategies to reduce anthelmintic use.
3. Organic herds – Bovilis Huskvac is the recommended option for the prevention of lungworm as anthelmintics are restricted in organic herds.

### What is Bovilis<sup>®</sup> Huskvac?

Bovilis Huskvac is an oral vaccine for the prevention of lungworm infection in healthy cattle from 8 weeks of age and older.



### What is the dose and how is it administered?

Bovilis Huskvac is an oral dose of 25 ml.

Each single dose (25 ml) contains at least 1000 viable *Dictyocaulus viviparus* 3rd stage irradiated larvae.

### What is the vaccination regime?

#### Basic vaccination scheme

Two doses at a dosage interval of approximately 4 weeks.

#### Re-vaccination

Lungworm immunity is maintained from season to season by the exposure to lungworm larvae, which in most cases occurs from the grazing of normal pastures after vaccination. A single dose of Bovilis Huskvac prior to each season's turnout will boost immunity where such exposure has not occurred, e.g. extensive use of anthelmintics or if using clean pasture for a large part of the grazing season.

### What age groups can be vaccinated with Bovilis<sup>®</sup> Huskvac?

Bovilis Huskvac can be used in healthy cattle of 8 weeks of age and older, and therefore Bovilis Huskvac will be used in the following groups:

1. Autumn born dairy and suckler calves – vaccination with Bovilis Huskvac can form part of a lungworm control program.
2. Heifers before turnout in the 2<sup>nd</sup> grazing season – an over use of anthelmintics in the first grazing season can prevent calves from developing immunity to lungworm. This has resulted in many spring born calves developing lung worm infection in the 2<sup>nd</sup> grazing season.

## Is Bovilis® Huskvac suitable for spring born calves?

Huskvac can be used in healthy cattle of 8 weeks of age and older. Following vaccination, vaccinated stock should not be mixed with unvaccinated stock or allowed to graze on pastures recently used by unvaccinated stock until 2 weeks after the second dose of Bovilis Huskvac. Calves need to complete a full course 2 weeks before they can be let out to grass.

| Calf born                     | Administer 1 <sup>st</sup> dose | Administer 2 <sup>nd</sup> dose | Turnout to grass          |
|-------------------------------|---------------------------------|---------------------------------|---------------------------|
| 1 <sup>st</sup> February 2013 | 29 <sup>th</sup> March 2013     | 26 <sup>th</sup> April 2013     | 10 <sup>th</sup> May 2013 |
| 1 <sup>st</sup> April 2013    | 27 <sup>th</sup> May 2013       | 24 <sup>th</sup> June 2013      | 8 <sup>th</sup> July 2013 |

## Are there special storage conditions?

Keep in a fridge (2°C to 8°C). Do not freeze.

## What is the shelf life?

The shelf life is short so this product needs to be ordered in advance.

## What is the withdrawal period for meat or milk?

Zero days

## Can the product be used in pregnant animals?

Yes Bovilis Huskvac may be used during pregnancy.

## Can I administer Bovipast RSP at the same time as Bovilis® Huskvac?

No information is available on the compatibility of this vaccine with any other. Therefore the safety and efficacy of the product when used with any other (either when used on the same day or at different times) has not been demonstrated. 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.

## Can you give anthelmintics at the same time as Bovilis® Huskvac?

No. Owing to variations in residual activity of modern anthelmintics, the use of these preparations must be avoided from a period extending from 8 weeks before the first dose until 14 days after the second dose of Bovilis Huskvac. The same advice applies to sustained release anthelmintic boluses, which must be avoided completely until 14 days after the second dose of Bovilis Huskvac. After this time, no interference with immunity to lungworm vaccination should occur.

## How is the vaccine packaged?

Carton containing 12 bottles with 25ml larval suspension in 30ml glass bottles, closed with a metal screw cap with a PEP inlay (see picture on previous page).

### References:

1. Van Dijk, The Epidemiology of Dictyocaulosis in Cattle (2004) BCVA.
2. Matthews, Clinical Forum: Bovine lungworm (2008) UK Vet, Vol 13
3. Holzhauser et al, Lungworm outbreaks in adult dairy cows, estimating economic losses and lessons to be learned (2011) Veterinary Record, 169,494.

Legal categories

ROI POM(E) NI POM-V

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