The ONLY single dose IBR Marker vaccine for use either Intramuscularly¹ or Intranasally¹
Infectious Bovine Rhinotracheitis - The hidden threat

Respiratory disease is a major cause of financial loss to cattle farmers. While respiratory disease is almost exclusively a disease of younger cattle, IBR is commonly associated with older calves and adult stock. With 75% of herds testing positive for IBR⁵, this is an issue that farmers can no longer afford to ignore or leave to chance.

A recent seroprevalence study⁶ in Ireland showed that almost 75% of herds had evidence of exposure to IBR. The seroprevalence for dairy and beef herds was not significantly different but there was a significant provincial difference, with Leinster having the highest incidence and Munster the lowest. County-level seroprevalence information from the same study, not included in the publication, are given in the map above.

Diagnosis

Infectious Bovine Rhinotracheitis (IBR) can be easily diagnosed using bulk milk samples, or blood samples, nasal swabs, tissue samples from individual animals.

75% of herds test positive for IBR⁵

Herd level prevalence IBR by County
Advance of infection

Poor housing, insufficient ventilation, over-crowding and stress can all contribute to the spread of IBR, but as the signs of the disease are not exclusive to IBR the virus can often be missed, allowing it to circulate throughout the main herd.

To succeed in the battle against IBR, correctly recognising the signs of the disease is vital.

- Raised temperature
- Milk drop
- Nasal discharge
- Coughing
- Conjunctivitis
- Reduction of food intake
- Abortion

Break the cycle of IBR

Bovilis IBR Marker Live offers you the choice of I/M or I/N routes enabling you to break the cycle with just one single shot.

Bovilis IBR Marker Inac offers you an inactivated version of the vaccine for use in animals over 3 months old, which can be used to boost Bovilis IBR Marker Live.

All the ammunition you need

To help you plan for the future you’ll want to be armed with the best tools for the job. So arm yourself with Bovilis IBR Marker Live. The Only Single Dose IBR Marker vaccine for use either IM or IN.

Bovilis IBR Marker Live
- A choice of either I/M or I/N routes
- Single dose primary course
- Vaccination possible from 2 weeks of age
- Easy whole herd vaccination including pregnant animals
- Significantly reduces clinical signs and viral excretion
- Can be used concurrently with Bovilis Bovipast RSP
Future proof farms against IBR

Many European countries already have, or are trying to eradicate IBR to prevent the losses it causes and to reduce barriers to trade in live cattle. A growing movement across the EU to eradicate IBR could be a barrier to trade for those countries without control or eradication schemes in place.

In order to try and eradicate IBR, it is necessary to be able to tell an infected animal from a non-infected one - which is impossible with standard (non-marker) IBR vaccines. Because of this, marker vaccines have been developed.

Marker vaccines give you all the benefits of a traditional IBR vaccine. They also give you the freedom to identify and export healthy animals to IBR-eradicating parts of Europe. This gives you the added peace of mind that you will also be prepared for the future, should an eradication programme come into force in Ireland or the UK.

Differential test for marker vaccinated and IBR cow

1. IBR infected cow
   - Test: Y=anti gB
   - Test: Y=anti gE

2. Traditional vaccine
   - Test: Y=anti gB
   - Test: Y=anti gE

3. Bovilis IBR marker
   - Test: Y=anti gB

Y= Antibodies  gB and gE = Proteins on surface of virus

Bovilis IBR Marker Vaccines Live and Inac
3 Possible Vaccination Regimes for cattle over 3 months old

<table>
<thead>
<tr>
<th>Primary Vaccination</th>
<th>Booster</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bovilis IBR Marker Live (one shot)</td>
<td>6 months</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>Bovilis IBR Marker Live (one shot)</td>
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</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>Bovilis IBR Marker Inac</td>
<td>6 months</td>
</tr>
</tbody>
</table>

Product Characteristics

<table>
<thead>
<tr>
<th>Bovilis IBR Marker Live</th>
<th>Bovilis IBR Marker Inac</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administration route</td>
<td>Intranasal Intramuscular</td>
</tr>
<tr>
<td>Onset of immunity</td>
<td>Yes</td>
</tr>
<tr>
<td>Duration of immunity* (re-vaccination interval)</td>
<td>4 days 14 days 21 days after primary course</td>
</tr>
<tr>
<td></td>
<td>6 months 6 months 6 months</td>
</tr>
</tbody>
</table>

*Duration of immunity can be extended by an annual booster dose in animals where longer term immunity is desirable.
Bovilis® IBR Marker Inac contains inactivated antigen of BHV-1 strain GK/D, 60 Elisa units per dose of 2 ml. For the active immunisation of cattle to reduce the intensity and duration of clinical signs (pyrexia) induced by an infection with BHV-1 as well as to reduce the replication and nasal excretion of the field virus. Legal Category Nth. Irl. (R.O.I. POM-V) in Nth. Irl. and (POM(E)) in R.O.I.

Bovilis IBR Marker Live contains live, attenuated IBR marker vaccine BHV-1 (strain GK/D). For the active immunisation against infectious bovine rhinotracheitis virus. Bovilis IBR Marker live may only be prescribed by your veterinary surgeon, from whom advice should be sought. Withdrawal period: zero days. Legal Category POM-V in Nth. Irl. and POM(E) in R.O.I.

Bovipast RSP contains inactivated bovine Respiratory Syncytial Virus (Strain EV908), Parainfluenza 3 virus (strain SF-4 Reisinger) and inactivated Mannheimia (Pasteurella) haemolytica (serotype A1). Legal category POM-V in Nth. Irl. and POM(E) in R.O.I.

*For cattle over 12 weeks of age.

For further details contact your vet or call MSD Animal Health on (00353)-(0)1-2970220

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*For cattle over 12 weeks of age.

MSD Animal Health, Red Oak North, South County Business Park, Leopardstown, Dublin 18, Ireland. Tel. (00353)-(0)1-2970220 Website: www.msd-animal-health.ie www.ibr-marker.com