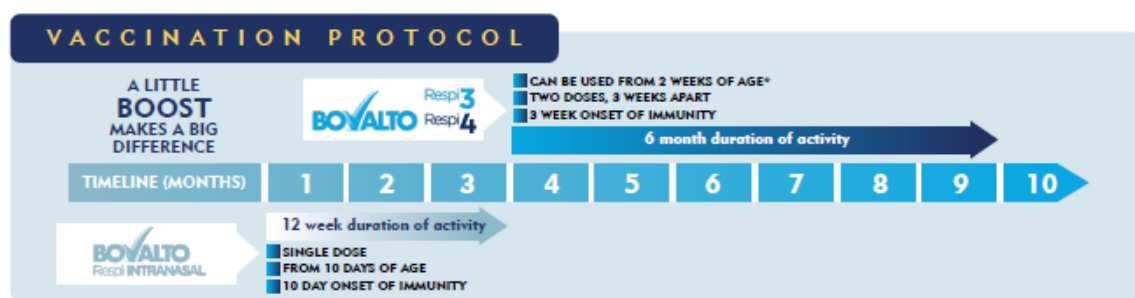


## Bovalto Boost farmer newsletter piece

Title: How to BOOST your stock's immunity to BRD

### A little BOOST makes a big difference

With plans being put in place for calving, now is the time to think about giving your new calves a PRIME-BOOST to give them the best start in life, by delivering a vaccination programme with the respiratory vaccines from the Bovalto® Respi range.



Greater levels of immunity are established by administering a live followed by a killed form of the same antigen, which provides synergistic enhancement of immunity to the target antigen<sup>1,2</sup>. A recent study found that when using a Bovalto® injectable vaccine after Bovalto® Intranasal, a more rapid immune response is induced<sup>3</sup>. This approach is also used in other species and human medicine and is called PRIME-BOOST<sup>1,2</sup>.

The study found that presenting the same antigens in different ways is at the heart of this response. The Bovalto® range is the only one available that uses identical RSV and PI3 components, in live and killed presentations, designed and developed with inspiration from the latest advances in human and animal medicine<sup>1,2</sup>.

Now is the perfect time to plan your herd's Bovalto® Respi BOOST with your vet.



\*From 2 weeks of age in calves from non-immune dams. For calves from immune dams or where the immune status of the dam is unknown, the vaccine scheme should be adapted at the discretion of the veterinarian.

1. Ellis *et al.* (2018) *Can Vet J.* 59: 1311–1319
2. Woodland (2004) *TRENDS in Immunology* 25(2): 98–104
3. Metcalfe *et al.* (2020) Registration study BovIN.MDA.69007 accepted for publication

Bovalto® Respi Intranasal, nasal spray, lyophilisate and solvent for suspension contains Bovine parainfluenza 3 virus (PI3V), modified live virus, strain Bio 23/A  $10^{5.0} - 10^{7.5}$  TCID<sub>50</sub> and Bovine respiratory syncytial virus (BRSV), modified live virus, strain Bio 24/A  $10^{4.0} - 10^{6.0}$  TCID<sub>50</sub>. Bovalto® Respi 3 Suspension for Injection and Bovalto® Respi 4 Suspension for Injection contain inactivated bovine respiratory syncytial virus, strain BIO-24, inactivated bovine parainfluenza 3 virus, strain BIO-23 and inactivated *Mannheimia haemolytica*, serotype A1 strain DSM 5283. Bovalto® Respi 4 also contains inactivated bovine viral diarrhoea virus, strain BIO-25. UK: POM- V IE: POM(E). Further information available in the SPCs or from Boehringer Ingelheim Animal Health UK Ltd, RG12 8YS, UK. Tel: 01344 746957, IE Tel: 01 291 3985. Email: [vetenquiries@boehringer-ingelheim.com](mailto:vetenquiries@boehringer-ingelheim.com). Bovalto® is a registered trademark of the Boehringer Ingelheim Group. ©2021 Boehringer Ingelheim Animal Health UK Ltd. All rights reserved. Date of preparation: September 2021. BOV-0212a-2020. Use Medicines Responsibly.