IMMUNITY STARTS HERE
Maternal antibodies can compromise the efficacy of injectable vaccines and suppress the calf’s ability to mount an adequate immune response to fight disease.

INFORCE 3ª stimulates mucosal immunity (IgA) and interferon. INFORCE 3ª provides a quick response by stimulating mucosal immunity and interferon production. Interferons are a group of signaling proteins, so named for their ability to “interfere” with viral replication. INFORCE 3ª provides a strong local immune response and restricts the pathogen to the upper respiratory tract.

INFORCE 3ª IS THE FIRST VACCINE THAT SHOULD BE GIVEN TO A YOUNG CALF FOR OPTIMAL IMMUNIZATION.
-3- DOMINANT ANTIGEN INTERFERENCE

The infectious bovine rhinotracheitis (IBR) virus is a dominant antigen that interferes with the immune response to Mannheimia haemolytica in cattle not previously exposed to IBR disease or vaccination.¹,²

INFORCE 3® circumvents IBR dominant antigen interference with intranasal administration.

Intranasal vaccination with INFORCE 3® at the same time the calf receives ONE SHOT® BVD results in the development of robust immunity against both IBR and Mannheimia haemolytica.³

-4- DURATION OF IMMUNITY

In seropositive calves, one dose of INFORCE 3® provided:

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<td><strong>63 DAYS OF IMMUNITY</strong> during BRSV challenge⁴</td>
<td><strong>105 DAYS OF IMMUNITY</strong> during IBR challenge⁵</td>
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-5- BOOSTER RESPONSE

Calves vaccinated with INFORCE 3®, followed by Bovi-Shield® GOLD 90 days later showed a significantly increased BRSV response.³
PROTECTING CALVES FROM DISEASE INVOLVES MORE THAN JUST GIVING THEM SHOTS.

To find out more about immunizing your cattle and the important role of INFORCE 3®, please talk to your veterinarian.

References

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