



TAbic[®] M.B.

Live Gumboro Vaccine



**The *Efficient* solution
to *IBDV* challenges**

TAbic® M.B.

Live attenuated Gumboro Vaccine

The complete solution to Gumboro disease in a single dose

Efficacy

- Fast Onset of Immunity
- High titers leading to strong protection
- Protection against all IBD forms: classic, very virulent and variant

Safety

- TAbic® M.B. won't interfere with the immune response to other vaccines
- The complete IBD solution for Broilers, Breeders and Layers

Convenience

- Cost effective prevention in a single vaccination
- Effervescent tablets dissolve rapidly, dispersing the vaccine virus evenly in the diluent

Quick onset of protection – 3 days post vaccination

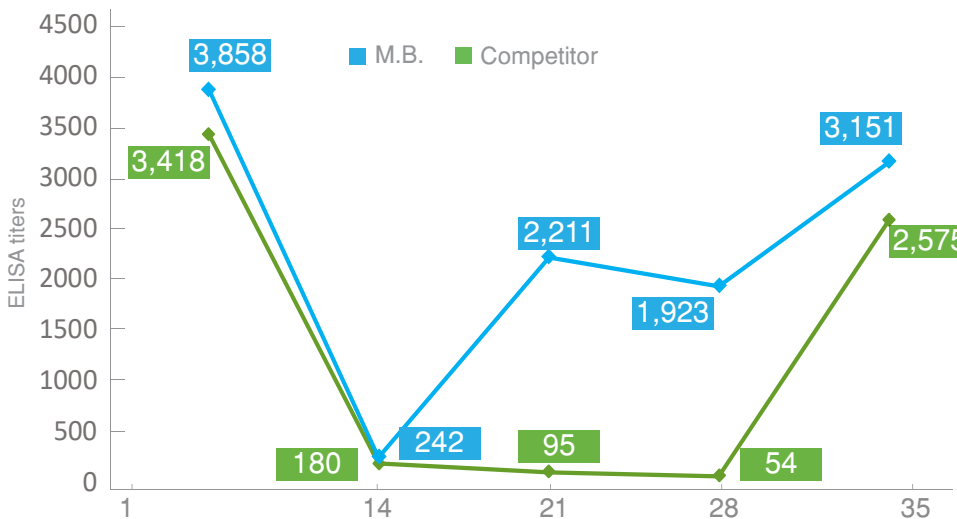
| Challenge day | TAbic® M.B.vaccinated chickens / *AGP Positive to challenge virus presence | Non vaccinated chickens / *AGP Positive to challenge virus presence |
|---------------|--|---|
| 13 | 0/10 | 10/10 |
| 15 | 0/10 | 10/10 |
| 17 | 0/10 | 10/10 |
| 21 | 0/10 | 10/10 |

*AGP - Agar Gel Precipitation

SPF chickens were vaccinated at 10 days of age and challenged by ED with vvIBDV at 3, 5, 7 and 11 days post vaccination

3 days after challenge, bursa were tested for the challenge virus presence (*AGP).

A single vaccination with TAbic® M.B. at 14 days resulted in earlier onset of antibodies reaction and higher titers than 2 vaccinations with a conventional vaccine at 11 days & 16 days



TAbic® M.B. provides high and uniform titers after a single vaccination

| Vaccine | IBD vaccination | Titers at 14d | CV at 14d | Titers at 37d | CV at 37d |
|------------|------------------------------|---------------|-----------|---------------|-----------|
| Phibro | Single TAbic® M.B. at 14 d | 482 | 51% | 10938 | 23% |
| Competitor | Two vaccinations at 12 & 17d | 694 | 55% | 8001 | 38% |

A single vaccination with TAbic® M.B. in 14 day old commercial broilers resulted in a higher and more uniform antibody titer at 37 days of age when compared to the titer level and uniformity after two vaccinations with a competitor vaccine at 12 & 17 days of age. (BioChek ELISA kit)

TAbic® M.B.

The efficient solution for all types of IBDV challenges

- + Safe
- + Highly Immunogenic
- + Fast and Broad Protection
- = **Cost Effective Single Vaccination**

Innovative

TAbic® M.B. is a live attenuated virus vaccine for Gumboro disease developed with the M.B. strain, freeze dried and tableted in an effervescent form, sealed in eco-friendly sterile blister packaging. A revolutionary presentation of live IBD vaccine.

Easy to use

TAbic® M.B. tablets dissolve rapidly. The live virus disperses evenly in the diluent resulting in a homogeneous clear suspension.

User friendly

TAbic® M.B. is user friendly, convenient and safe to handle. No need for working tools, syringes or other equipment.

Environmentally friendly

TAbic® M.B. is environmentally friendly, empty blisters are easy to dispose of.

Saving cost on shipping & storage

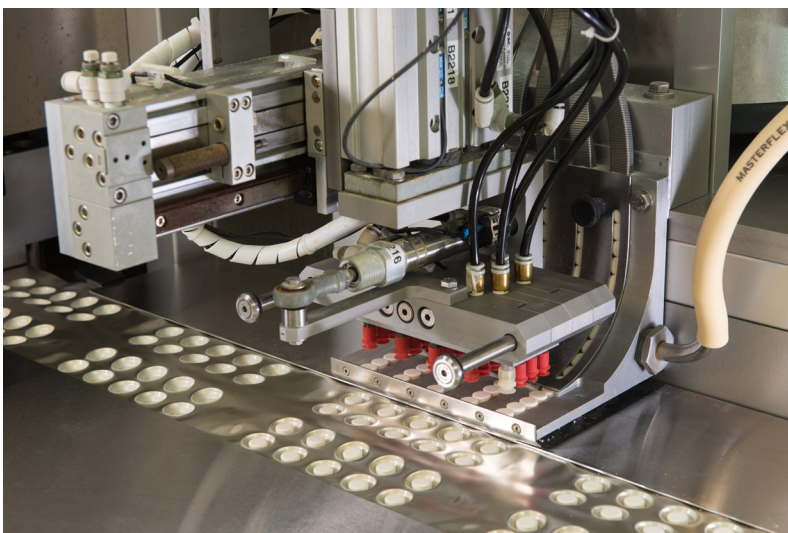
Due to reduced pack size, TAbic® M.B. requires minimal storage space, is lightweight and easily transported.

Storage

TAbic® M.B. storage temperature should be 2°C to 8°C.

Presentation

TAbic® M.B. is available in boxes with 10 tablets of 1,000 ds; 2,000 ds or 5,000 ds.



TAbic® family – TAbic® V.H., TAbic® IBVAR206 and TAbic® IB Var, TAbic® H-120 and TAbic® M.B.

www.pahc.com

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