UPM93 Infectious Bursal Disease (IBD) Vaccine for Chickens

A safe and effective live attenuated UPM93 IBD vaccine was developed recently for the control and prevention of infectious bursal disease (IBD) in chickens.

The seed virus of the vaccine was isolated from layers farm at UPM in 1993 and proved to be the best IBD virus (IBDV) seed for vaccine development among others IBDV isolated in Malaysia.

Studies on the efficacy of UPM93 IBD vaccine in both the commercial and specific pathogen free (SPF) chickens demonstrated that the vaccine is highly safe and effective, and could confer full protection against IBDV field challenged. The vaccine is highly immunogenic and able to neutralize high level of IBD maternally derived antibody. It is efficacious for intra-ocular and oral routes of vaccination as well as for in-ovo vaccination in 18-day old embryo-nated eggs or used as a food based vaccine. The vaccine causes mild bursa lesions with bursa recovery. It is non immunosuppressive and does not impair the growth of chickens.

The vaccine is currently produced by a commercial vaccine company, Malaysian Vaccines and Pharmaceuticals (MVP) for Malaysian and international markets, and was proved to be safe and effective to confer full protection against IBDV field challenged in the chicken farms. The vaccine is expected to be available in the commercial market by end of December 2004.

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