

About Reverse Genetics Technology

Bird Close 5.1 is an Inactivated vaccine of Highly Pathogenic Avian Influenza (HPAI) subtype H5N1 that was produced using reverse genetic technology and it was the first vaccine product that has been approved by the Indonesian government through the National Committee of Biosafety and Food Safety-Product Genetic Engineering (KNKHKP-PRG).

The production of H5N1 AI vaccine with conventional methods are difficult to produce a vaccine that is safe because of the virus high pathogenicity. With conventional methods it is unavoidable in the inactivation process that the occurrence possibility of residual live virus particle and it has a high correlation with many of vaccine break events on the birds population that was using conventional HPAI H5N1 vaccine. Reverse genetic technology allowed to delete the virulence of the AI virus without altering the antigen capabilities therefore the vaccine product is very safe and capable of inducing high immune response with no risk of vaccine break possibilities and even the OFFLU provide recommendation to the Indonesia government to use vaccines with reverse genetics methods in the control of HPAI H5N1.

Seed virus strain in producing **Bird Close 5.1** vaccine is according to WHO (World Health Organization) standards. Vaccine manufacturing is done at a facility in accordance with the provisions of Good Way of Animal Medicine Making (CPOHB). The vaccine adjuvant is premium quality oil adjuvant (Cosmetic Grade) so that the vaccine will have no stress effects on the birds and doesn't interfere with egg production due to vaccination.

Since launched in 2008, **Bird Close 5.1** vaccine product now have spread almost throughout the province in Indonesia. In order to meet the increased demand, both from domestic market and several other countries, PT. IPB SHIGETA, INDONESIA is increasing its production capacity.



Inactivated Avian Influenza Vaccine H5N1 Subtype In Oil Adjuvant

Produced by:



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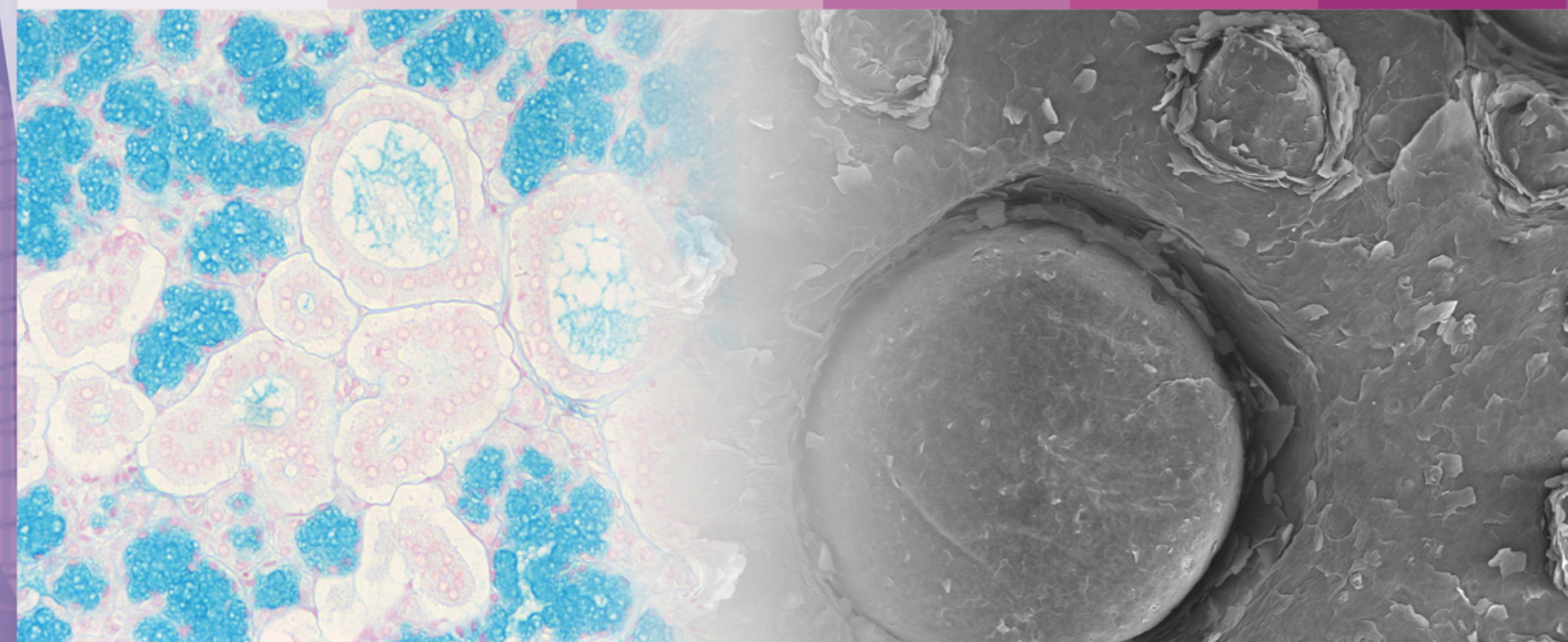
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PROCEEDINGS



THE 5TH CONGRESS OF
Asian AVA
ASIAN ASSOCIATION OF
VETERINARY ANATOMISTS
BALI - INDONESIA, FEBRUARY 12-13TH 2015



PROCEEDINGS

“The Role of Anatomy in Veterinary Education and Research in Supporting the Achievement of Veterinary Day-one Competencies”

THE 5TH CONGRESS OF ASIAN ASSOCIATION OF VETERINARY ANATOMISTS (ASIAN AVA)

February 12-13th, 2015
Discovery Kartika Plaza Hotel, Bali, INDONESIA

Organized by:



日本獣医解剖学会
The Japanese Association of Veterinary Anatomists

2015