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Adjuvant effects of Sophy β -glucan on H5N1 and H5N2 using a mouse model

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Abstract: Sophy β -glucan, a type of β -1,3-1,6 glucan produced by *Aureobasidium pollulans* strain AF0-202, is currently approved for use as a dietary supplement. The new genotypic avian influenza H5N1 is one of the infectious diseases causing concern and loss in Vietnam, Asian and other countries during the 2003-2008 period. We examined the effect of β -glucan on the immune response against the new H5N1 vaccine made in Vietnam and China. As a result, both H5N1 and H5N2 vaccines elicited a signi

response with Sophy β -glucan supplied in drinking water in all the r
higher HI titer). These vaccines also elicited ELISA positivity (EL
seroconversion) 10-20% higher than those used in groups vaccinate
glucan. We conclude that Sophy β -glucan showed an excellent adju
and H5N2 vaccinations in a mouse model.

Key words: [\$\beta\$ -glucan](#), [H5N1 and H5N2 vaccine](#), [Immunostimulat](#)

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