



## Plasmids Encoding Avian Influenza Genes

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**WARF: PO6123US**

Assigned to WARF as biological material.

**The Wisconsin Alumni Research Foundation (WARF) is seeking commercial partners interested in plasmids encoding either the H3 N1 or the H5 N2 genes of avian influenza.**

### OVERVIEW

Avian influenza causes significant economic losses for poultry producers worldwide and can be transmitted to humans and other mammals. The surface glycoproteins hemagglutinin (HA) and neuraminidase (NA) play a key role in infection with this virus. Of the sixteen different HA antigens (H1-H16) and nine different NA antigens (N1-N9), human disease has been caused by the subtypes H1, H2, H3, H5, H7 and H9, and N1 and N2.

### THE INVENTION

A UW-Madison researcher has developed plasmids encoding either the H3 N1 or the H5 N2 genes of avian influenza. These genes were cloned directly from viral isolates and are under the control of the pol II promoter.

### APPLICATIONS

- Avian influenza vaccine development

### KEY BENEFITS

- Useful in developing avian influenza vaccine
- May aid in development of diagnostics for avian influenza

### ADDITIONAL INFORMATION

#### Tech Fields

Pharmaceuticals & Vitamin D - Vaccines  
Agriculture - Animal health

### THE WARF ADVANTAGE

Since its founding in 1925 as the patenting and licensing organization for the University of Wisconsin-Madison, WARF has been working with business and industry to transform university research into products that benefit society. WARF intellectual property managers and licensing staff members are leaders in the field of university-based technology transfer. They are familiar with the intricacies of patenting, have worked with researchers in relevant disciplines, understand industries and markets, and have negotiated innovative licensing strategies to meet the individual needs of business clients.



Veterinary - Livestock

## CONTACT INFORMATION

For current licensing status, please contact Jennifer Gottwald at [jennifer@warf.org](mailto:jennifer@warf.org) or 608-960-9854.

