

## What does an effective influenza vaccine for pigs need to do?

An effective influenza vaccine needs to stimulate production of antibodies that bind the influenza virus and block it from entering cells and spreading in the respiratory tract.



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# Influenza Vaccine Selection for Pigs





## Why might a vaccine fail to protect my pigs against Influenza A virus in swine (IAV-S)?

There are several distinct influenza strains in North American swine, which keep evolving rapidly. The strain in your herd may not be a close match with the strains in commercial IAV-S vaccines.

Antibodies passed from sows to their pigs may interfere with successful vaccination of the pigs.

## TYPES OF INFLUENZA VACCINE FOR PIGS

### COMMERCIAL VACCINES

- Contain inactivated (killed) virus, and are manufactured on a large scale.
- Protect pigs against identical or very similar IAV-S strains.

### AUTOGENOUS/CUSTOM VACCINES

- Contain inactivated virus.
- Useful if commercial vaccines do not provide a close match with the strain(s) detected in your herd.
- Require extra time to manufacture.
- Require isolation of the virus from your herd.



## How to choose an IAV-S vaccine for your herd

Your veterinarian can collect samples from sick pigs and submit for diagnostic testing.

If IAV-S is identified, diagnostic labs can analyze the strain from your herd for similarity with strains in commercial vaccines.

If commercial vaccines do not match closely, autogenous/custom vaccines should be considered.

Consult your herd veterinarian to determine what steps to take and the best vaccine option to protect your herd from influenza.