

AUTOGENOUS VACCINES



Elanco's extensive experience and expertise in poultry health allows us to supply the industry with a wide range of autogenous biological vaccines. By understanding customers' challenges, we help provide the best customized solutions.

What is an autogenous vaccine?

An autogenous vaccine is made from bacterial or viral isolates obtained from a flock. The inactivated vaccine is used in other flocks on the same premises to stimulate immunity to that isolate.

Why shouldn't I just use commercial vaccines?

Specific strains of organisms may have antigenic variations that differ from those in commercially available vaccines thus leaving birds not fully protected against field challenges.

Can autogenous vaccines protect against emerging viruses?

Newly discovered viral variants may not have been incorporated in a commercial product, so the autogenous route allows for a more rapid, customized response to the specific variant.

Are there regulations regarding the use of autogenous vaccines?

Autogenous vaccines are under the same U.S. Department of Agriculture (USDA) standards as a commercial vaccine for safety and purity. Any autogenous vaccine use requires permission from the State Veterinarian.

What are Elanco's autogenous capabilities?

Elanco has a long history of autogenous vaccine production in our Winslow, Maine, facility, where many employees have decades of autogenous experience. We have expanded this facility and our capabilities in 2017. Elanco can develop two categories of autogenous vaccines:

- Viral isolates, which provide protection from viruses, such as reovirus
- Bacterial isolates, which provide protection from bacteria, such as a specific *Salmonella* isolate



Table 1. Examples of Autogenous Products Produced

Viruses	Bacteria		
Adenovirus	<i>Avibacterium (Coryza)</i>	<i>E. coli</i>	<i>Erysipaleaux</i>
Reovirus	<i>Gallibacterium</i>	<i>Ornithobacterium rhinotracheale (ORT)</i>	<i>P. multocida (Cholera)</i>
Bursal Disease	<i>Salmonella</i>		

Capabilities are continually updated and expanded.

How can I implement autogenous vaccines in my operation?

Autogenous vaccines are available for layers, broiler breeders and turkeys. Talk to your local Elanco representative for more information on how we can help protect your poultry flocks with customized autogenous vaccine solutions.

FOR VETERINARY USE ONLY.

For all products:

The label contains complete use information, including cautions and warnings. Always read, understand and follow the label and directions for use.

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