

Avian Pneumovirus antibody test

APV-Ab

Avian Pneumovirus (APV), is an important pathogen which causes major diseases and welfare problems in many poultry producing countries. The disease in turkeys has been reported from several European countries, South Africa and Israel since 1985. The virus affects mainly turkeys and chickens but ratites may be also infected with the virus. Diseases caused by avian pneumovirus include Avian Pneumovirus infection, Turkey Rhinotracheitis (TRT) and Swollen Head Syndrome (SHS). Avian Pneumovirus causes upper respiratory infection and typical clinical signs of the disease include snicking, nasal discharge, conjunctivitis, swollen sinuses and a marked drop in egg production. The virus can also infect chicken without developing any clinical signs. It is transmitted by contact but airborne spread is also discussed. Outbreak of APV, associated with adventitious infections or poor management can lead to heavy economical loss. The infection usually does not give lifelong protective immunity and the correlation between the presence of antibodies and the protection against the disease is weak. Local immunity may play a bigger role in the protection than the circulating antibodies. APV isolates form at least two groups (type A and B viruses), which are antigenically different from each other. In the US a third group named Colorado has been found, which seems to react with antibodies to sub-type A.

SVANOVIR® APV -Ab ELISA is developed to detect Avian Pneumovirus specific antibodies in both serum and egg yolk.

Article No.:	10-1100-02
Kit format:	2-plate package size
No of tests:	192
No of samples:	184 (wells for kit controls excluded)

Application Area:	Diagnostics
	Estimation of vaccine efficacy
Characteristics:	Blocking ELISA
	Rapid (less than 1.5 hours)
	Multispecies assay
	For test of serum samples as well as egg yolk
	Relative sensitivity to another ELISA: 98%
	Specificity (SPF chickens): 100%
	Analytic sensitivity: 7 days post infection