ID.vet
Innovative Diagnostics

Avian Influenza

The most comprehensive, innovative and convenient range of commercial ELISAs for AI antibody detection

ID Screen® Influenza A Competition

ID Screen® Influenza A Nucleoprotein Indirect

ID Screen® Influenza H5 Antibody Competition

ID Screen® Influenza H7 Antibody Competition

ID Screen® Influenza H9 Antibody Competition

The most sensitive and specific range of commercial ELISAs for Avian Influenza antibody detection

◗ **Applicable to both domestic and wild species,** the screening Influenza A competitive ELISA (**FLUACA**) is more sensitive than AGID*, and may be used for monitoring disease in regions without vaccination. It is easier to implement and more suited to high throughput testing than HI*.

◗ **Designed for use as a DIVA* test, the FLUNPS indirect ELISA** specifically detects antibodies to the virus nucleoprotein. This test may be used in combination with the FLUACH5 ELISA to detect natural infection in animals vaccinated with rHVT-H5 vaccines alone. It may be used to monitor killed vaccines in chickens and turkeys, and thanks to its very high sensitivity, to monitor disease in SPF animals (in the same way as FLUACA).

◗ **FLUACH9 is the only commercial competitive ELISA for the specific detection of H9 antibodies**, but also for monitoring conventional or autovaccines H9N2. It is more sensitive, robust and reliable than HI*.

◗ **Validated for monitoring rHVT-H5 vaccine uptake,** the Influenza H5 (**FLUACH5**) ELISA shows higher sensitivity than HI*, with superior robustness and reliability. It has been validated by European reference laboratories, and detects new circulating clades, including H5N8.

◗ **Confirm positive results obtained with the nucleoprotein-based ELISAs** using the H5, H7 and H9 competitive ELISAs. These tests may be used to monitor both wild and domestic birds.

◗ **As an expert in the development of Influenza serological tools,** IDvet also offers ELISAs which specifically detect N1, N2 and N9 antibodies. Please contact us for more information.

* Agar Gel Immunodiffusion
* Inhibition of hemagglutination test
*Differentiation between Infected and Vaccinated Animals

Specifications

Method	Competitive ELISA (cELISA) ; indirect ELISA (iELISA) for FLUNPS
Species	• Domestic and wild avian species for the cELISAs ; • Chickens (broilers, breeders and layers) and turkey for FLUNPS
Specimens	Serum, plasma and egg yolk
Coated antigen	• FLUACA: nucleoprotein • Serotype cELISAs: purified native inactivated subtype antigen • FLUNPS: recombinant nucleoprotein
Conjugate (concentrated 10X)	• cELISAs: Monoclonal antibody-HRP (anti-subtype or anti-nucleoprotein) • Indirect FLUNPS ELISA: anti-chicken-HRP

A unique range for Avian Influenza diagnosis and serotyping

Product name	Indications	Advantages
ID Screen® Influenza A Antibody Competition (FLUACA)	• Epidemiosurvey of wild birds • Control of SPF animals • Diagnosis of domestic birds in disease-free areas without Influenza vaccination • High throughput testing	• Higher sensitivity than AGID • More robust and rapid than HI • Applicable to multiple species
ID Screen® Influenza A Nucleoprotein Indirect (FLUNPS)	• Monitoring of conventional vaccines (killed vaccines) in chicken and turkey. • Detection of wild virus in populations vaccinated with recHVT-H5. May be used as part of a DIVA strategy if the recombinant vaccine is used alone. • Control of SPF animals • Diagnosis of domestic birds in disease-free areas without Influenza vaccination	• The only commercial indirect ELISA for the specific detection of nucleoprotein antibodies • Excellent correlation with HI test • More sensitive than the cELISA described above • Quantitative – results may be expressed as titres
ID Screen® Influenza H5 Antibody Competition (FLUACH5)	• Epidemiosurvey of wild/domestic birds in case of H5 virus suspicion. • Control of rHVT-H5 vaccine uptake • Identification (or hypothesis elimination) of H5 virus in the case of positive results with screening tests (FLUACA/FLUNPS)	• Validated by European reference laboratories • Detects new clades, including H5N8 • More robust and reliable than HI
ID Screen® Influenza H7 Antibody Competition (FLUACH7)	• Epidemiosurvey of wild/domestic birds in case of H7 virus suspicion • Identification (or hypothesis elimination) of H7 virus in the case of positive results with screening tests (FLUACA/FLUNPS)	• The only commercial competitive ELISA for the specific detection of H7 antibodies • More robust and reliable than HI
ID Screen® Influenza H9 Antibody Competition (FLUACH9)	• Control of H9 killed vaccine uptake as of 5 weeks post-vaccination • Epidemiosurvey of wild/domestic birds in case of H9 virus suspicion • Identification (or hypothesis elimination) of H9 virus in the case of positive results with screening tests (FLUACA/FLUNPS).	• The only commercial competitive ELISA for the specific detection of H9 antibodies • More robust and reliable than HI

Flexible formats : 2, 5 or 10 plates, strip or solid plates

2 plates (2P)	192 reactions
5 plates (5P)	480 reactions
10 plates (10P)*	960 reactions*

* Only available for FLUNPS and FLUACA

Optimize your quality control with the IDvet freeze-dried reference control samples

These reference samples contain significant levels of antibodies to Influenza A.
These samples are tested at a threshold dilution to:

◗ verify that analytical sensitivity remains constant between runs and operators ;

◗ validate sample processing: the freeze-dried sample undergoes both the sample pre-dilution and dilution steps.

References

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