INDICAL
BIOSCIENCE

Benefit from INDICAL's comprehensive poultry ELISA portfolio

- Reliable, consistent results with excellent sensitivity and specificity
- Harmonized protocols with ready-to-use reagents and a flexible microplate system
- Interchangeable reagents for all flocktype assays*
- Suitable for low- to high-throughput application
- Turn-key solution with ready-to-use microplate reader and ELISA software

Pathogen investigated	Product**	Technology	Number of reactions	Cat. No.
Infectious Bronchitis Virus (IBV)	flocktype IBV Ab	Indirect ELISA	480 tests (5 ELISA plates, solid)	FT274303
Infectious Bursal Disease Virus (IBDV)	flocktype IBDV Ab	Indirect ELISA	480 tests (5 ELISA plates, solid)	FT274203
Newcastle Disease Virus (NDV)	flocktype NDV Ab	Indirect ELISA	480 tests (5 ELISA plates, solid)	FT275003
Salmonella Enteritidis and *Salmonella* Typhimurium	flocktype Salmonella Ab	Indirect ELISA	192 tests (2 ELISA plates, strips)	FT275702
Mycoplasma synoviae (Ms)	flocktype Mycoplasma Ms Ab	Indirect ELISA	192 tests (2 ELISA plates, strips)	FT274602
Avian Influenza A Virus	flocktype AIV Ab	Indirect ELISA	192 tests (2 ELISA plates, strips)	FT274012
Mycoplasma gallisepticum (Mg) chicken and turkey	NEW! flocktype Mycoplasma Mg Ab	Indirect ELISA	480 tests (5 ELISA plates, solid)	FT274703

Product	Short description	Cat. No.
IndiSure ELISA Software Single-user license for one year	For calculation and management of results using INDICAL ELISAs, compatible with cattletype, pigtype, flocktype and SVANOVIR ELISAs. Included in the ELISA kit trial package.	
Absorbance 96 ELISA reader	Solid state ELISA plate reader with minimal footprint for easy lab setup	DE MMA 001

Get in touch with our experts: **www.indical.com**

Email: **support@indical.com** | **orders@indical.com** | Phone: **+49 341 124 54 0**
Connect with us on LinkedIn: **www.linkedin.com/company/indical**

*Sample Diluent, Wash Buffer, TMB Substrate and Stop Solution **Product availability/distribution: outside the U.S. and Canada

flocktype IBV Ab

The flocktype IBV Ab is a highly sensitive and specific ELISA for detection of antibodies to *Infectious Bronchitis Virus* (IBV) in serum and plasma samples from chicken. The assay reliably enables monitoring of humoral vaccination responses or IBV infections.

- 100% diagnostic specificity*
- 100% sensitivity in infected flock samples†
- 98.9% sensitivity in vaccinated flock samples‡
- User-friendly with ready-to-use, color-coded reagents
- Also detects D274 anti-serum
- Full results in 1.5 hours
- Excellent results in international ring trials§

**n* = 334 SPF sera.

† *n* = 80 infection samples from six infected flocks.

‡ *n* = 551 samples from 36 vaccinated flocks.

§ Data on file.

Excellent specificity and superior sensitivity in vaccination trials compared with other suppliers

Figures 1 and 2: End-point study of IBV-specific antibody content in serum from IBV-vaccinated broiler chickens was performed to assess field performance of the flocktype IBV kit. Two broiler flocks were tested at slaughter age using flocktype IBV Ab kit as well as two kits from other suppliers.

Conclusion: The flocktype IBV Ab provided stronger sensitivity and was able to detect all samples as positive. Distribution curve provided by the kit is homogenous. The two other kits showed negative results in vaccinated flock which can be considered a false-negative result.

Presence of false negative results can decrease reliability of obtained results by obscuring the real situation in the flock.

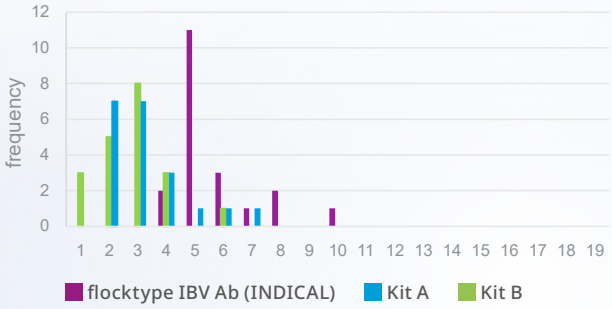

Figure 1: Group A – sera from *n* = 20 broiler chickens tested at slaughter age of 41 days

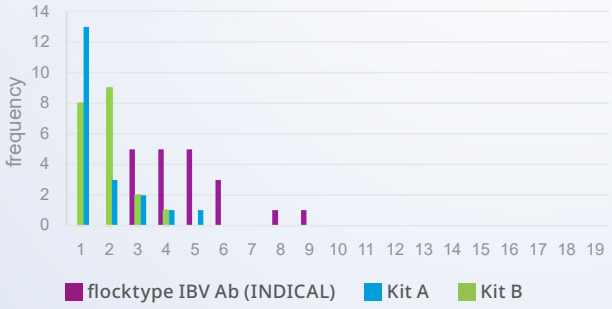

Figure 2: Group B – sera from *n* = 20 broiler chickens tested at slaughter age of 43 days

Product availability/distribution: outside the U.S. and Canada

flocktype NDV Ab

The flocktype NDV Ab is a highly sensitive and specific solution for detection of antibodies to *Newcastle Disease Virus* (NDV) in serum and plasma samples from chicken. Newcastle Disease is an epizootic disease affecting many domestic and wild avian species. Prophylactic vaccinations are used to reduce the likelihood of outbreaks in domestic poultry populations. Detection of antibodies to NDV using the flocktype NDV Ab reliably enables monitoring of humoral vaccination responses or NDV infections.

- 100% diagnostic specificity*
- 100% sensitivity in infected flock samples†
- 98.7% sensitivity in vaccinated flock samples‡
- User-friendly with ready-to-use, color-coded reagents
- Full results in 1.5 hours
- Excellent results in international ring trials§

**n* = 108 SPF sera.

† *n* = 132 infection samples from 6 infected flocks

‡ *n* = 233 samples from 18 vaccinated flocks

§ Data on file.

Excellent specificity and superior sensitivity in vaccinated flocks

Figure 3 and 4: End-point study of NDV-specific antibody content in serum from NDV-vaccinated broiler chickens was performed to assess field performance of the flocktype NDV kit. 2 broiler flocks were tested at slaughter age using flocktype NDV Ab kit as well as 2 kits from other suppliers.

Conclusion: The flocktype NDV Ab scored all tested infection samples correctly, offering 100% diagnostic sensitivity.

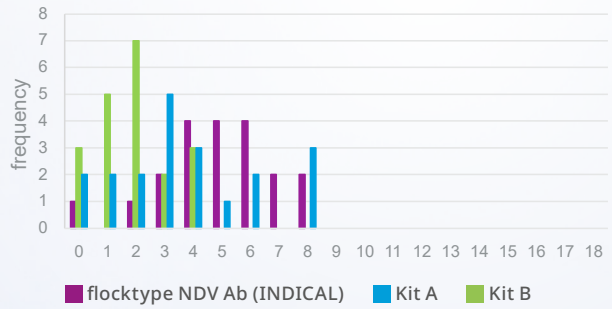

Figure 3: Group A – sera from *n* = 20 broiler chickens tested at slaughter age of 43 days

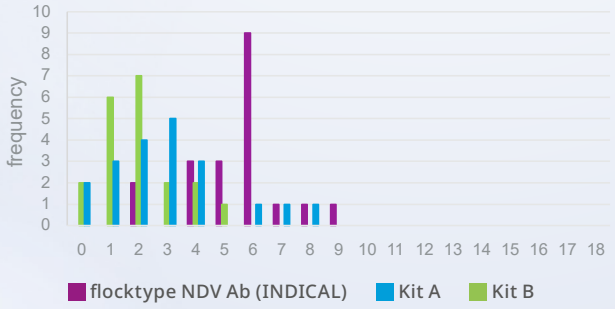

Figure 4: Group B – sera from *n* = 20 broiler chickens tested at slaughter age of 43 days

Product availability/distribution: outside the U.S. and Canada

flocktype IBDV Ab

The flocktype IBDV Ab enables detection of antibodies to *Infectious Bursal Disease Virus* (IBDV) in serum and plasma samples from chicken. Infectious Bursal Disease (Gumboro disease) is characterized by immunosuppression – especially in young chicken – and is therefore of economic importance for the poultry industry. Vaccination of breeder flocks is an effective method of disease prevention. Detection of antibodies to IBDV using flocktype IBDV Ab enables monitoring of humoral vaccination responses or IBDV infections.

Providing reliable results and a homogenous distribution curve is easier with flocktype IBDV Ab

Figure 5 and figure 6: End-point study of IBDV-specific antibody content in serum from IBDV-vaccinated broiler chickens was performed to assess field performance of the flocktype IBDV kit. 2 broiler flocks were tested at slaughter age using flocktype IBDV Ab kit as well as 2 kits from other suppliers.

Conclusion: INDICAL flocktype IBDV correctly detected 100% of samples as positive, providing good distribution curve and homogeneity of results compared to other kits tested.

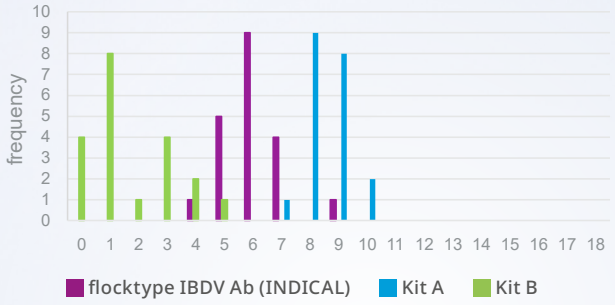

Figure 5: Group A – sera from *n* = 20 broiler chickens tested at slaughter age of 43 days

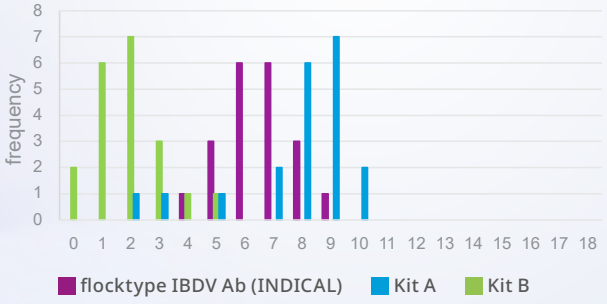

Figure 6: Group B – sera from *n* = 20 broiler chickens tested at slaughter age of 43 days

Product availability/distribution: outside the U.S. and Canada

Get in touch with our experts: **www.indical.com**

Email: **support@indical.com** | **orders@indical.com** | Phone: **+49 341 124 54 0**

For up-to-date licensing information and product-specific disclaimers, see the respective handbook or user manual. Assays for veterinary use only. Reagents for research use only, not for use in diagnostic procedures. Regulatory requirements vary by country, products may not be available in your geographic area. Trademarks: INDICAL®, flocktype® (INDICAL BIOSCIENCE GmbH). Registered names, trademarks, etc., used in this document, even when not specifically marked as such, are not to be considered unprotected by law. Product images may differ from the actual product.
IN-FLTYPE-PFLY-4P-EN-261030 © 2026 INDICAL BIOSCIENCE

INDICAL BIOSCIENCE

INDICAL BIOSCIENCE GmbH
Deutscher Platz 5b
04103 Leipzig, Germany