



## Newcastle disease

- Disease diagnosis
- Monitoring of conventional and recombinant vaccines
- DIVA strategies



### Unique range of ELISAs

- The only NDV competitive ELISA for diagnosis of wildlife and SPF status qualification
- iELISA range to monitor all conventional and recombinant vaccines and implement **DIVA\*** strategies

\*Differentiation of Infected and Vaccinated Animals



### Disease diagnosis with the ID Gene™ qPCR

- Detection of all NDV strains
- The same protocol for all matrices
- Positive controls to evaluate extraction and amplification

*With you at every step*



## → A solution tailored to your requirements

### ID Screen® Newcastle Disease Indirect

Product code - **NDVS**

- + Monitor rHVT-F-ND vaccines: over 80% positivity at 28 dpv
- + High correlation with HI\* test, while offering superior robustness and reliability
- + May be used as part of a **DIVA\*\*** strategy, in combination with the NDVNP kit

### ID Screen® Newcastle Disease Nucleoprotein Indirect

Product code - **NDVNP**

- + Diagnose disease in chickens (broilers, breeders and layers) and turkeys
- + Detect the field virus under rHVT-F- ND vaccination (**DIVA\*\***; does not detect seroconversion to the F protein)
- + May be used with egg yolk samples

### ID Screen® Newcastle Disease Competition

Product code - **NDVC**

- + Test domestic or wild avian species
- + Monitor disease in SPF animals
- + May be used with egg yolk samples

### ID Screen® Newcastle Disease Indirect

Conventional Vaccines

Product code - **NDVS-CV**

- + Monitor conventional vaccine programs (live and killed vaccines)
- + May be used with egg yolk samples

\*Hemagglutination Inhibition test

\*\*Differentiation of Infected and Vaccinated Animals



## DIVA TESTING (rHVT-F vaccines)

Flock status	Expected results with NDVS	Expected results with NDVNP
Unvaccinated, uninfected	NEG	NEG
Vaccinated (rHVT-F), uninfected	POS	NEG
Vaccinated (rHVT-F), infected	POS	POS

### → Control the quality of your results

- Ready-to-use pool of chicken serum containing significant and known antibody levels against the Newcastle virus (for use with the NDVS and the NDVS-CV kits).  
Product code - **MRIPoS-BIRD-RTU-A**
- Ready-to-use pool of specific pathogen free (SPF) chicken serum.  
Product code - **MRINeG-BIRD-RTU**



## → Detect all NDV strains using the ID Gene™ NDV qPCR

The **ID Gene™ Newcastle Disease Duplex** is a RT-qPCR kit that amplifies a target sequence in the Newcastle disease virus (NDV) genome. A qualitative duplex test, it simultaneously amplifies target RNA as well as an exogenous internal control. This kit may be used to test swab samples (tracheal, oropharyngeal and cloacal), organs (trachea, lung, spleen, liver, brain and cecal tonsil), tissues or nucleic acid storage cards. It may be used to test individual samples or pools of up to 5.



### ■ **Rapid amplification protocol**

Extraction and amplification in only 90 minutes



### ■ **Reliable**

Detects all NDV genotypes

Includes positive controls to validate the efficiency of the extraction and amplification steps



### ■ **Convenient**

Thanks to standardized protocols across the ID Gene™ range, use the same extract to test for multiple pathogens



### ■ **Practical**

Ready-to-use reagents

Fast and easy-to-use with a single protocol for all matrices

→ Control the quality  
of your results

Freeze-dried positive extraction control  
Product code - **PEC-NDV**

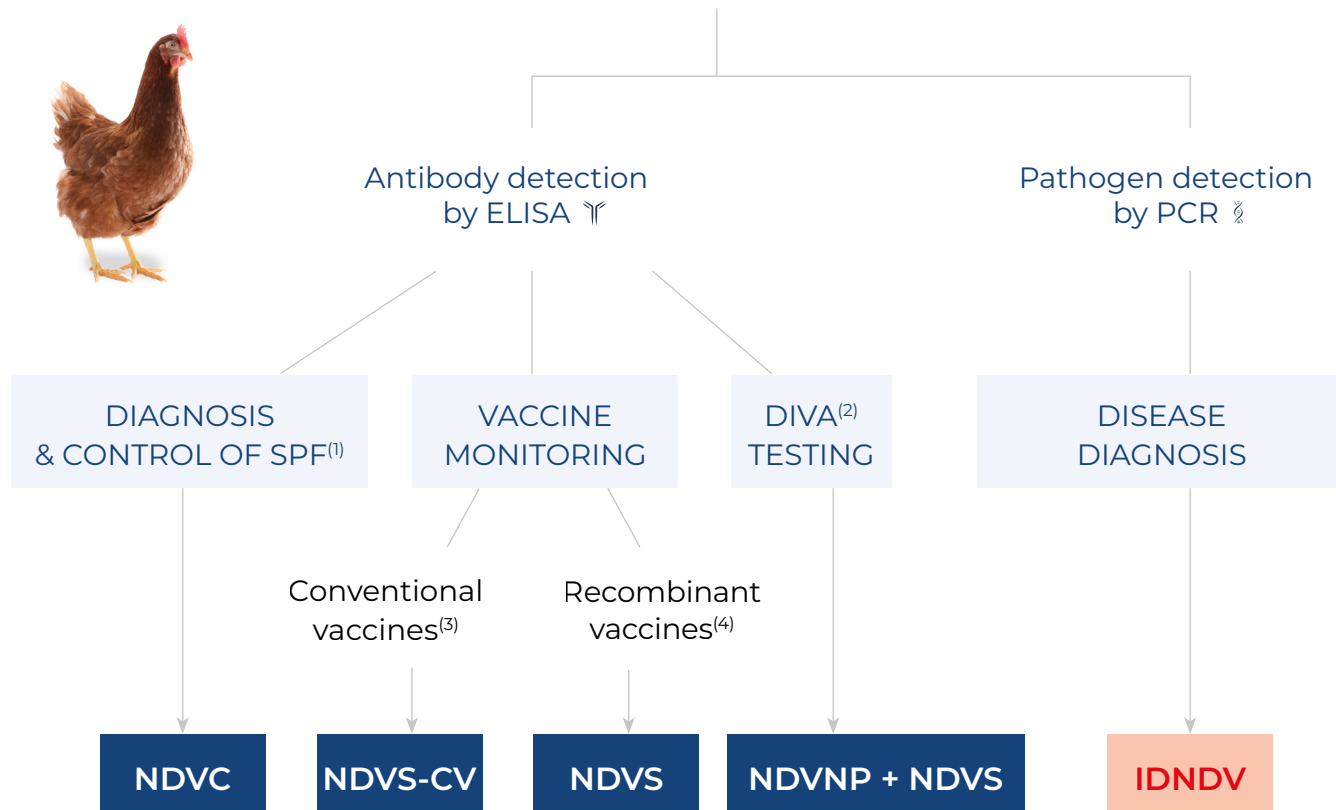






# THE IDVET NDV DIAGNOSTIC RANGE

## WHICH TEST TO CHOOSE?



<sup>(1)</sup> SPF: Specific Pathogen Free

<sup>(2)</sup> Differentiation of Infected and Vaccinated Animals

<sup>(3)</sup> All live + inactivated NDV vaccines

<sup>(4)</sup> For animals vaccinated with rHVT-F vaccines

## → Specifications

PRODUCT CODE	PRODUCT NAME	METHOD	FORMAT	REACTIONS
NDVC-2P	ID Screen® Newcastle Disease Competition	Competitive ELISA	2 plates	192
NDVC-5P			5 plates	480
NDVC-10P			10 plates	960
NDVS-CV-5P	ID Screen® Newcastle Disease Indirect Conventional Vaccines	Indirect ELISA	5 plates	480
NDVS-CV-10P			10 plates	960
NDVS-5P	ID Screen® Newcastle Disease Indirect for HVT-NDV vector vaccine monitoring	Indirect ELISA	5 plates	480
NDVS-10P			10 plates	960
NDVNP-5P	ID Screen® Newcastle Disease Nucleoprotein Indirect	Indirect ELISA	5 plates	480
NDVNP-10P			10 plates	960
MRIPOS-BIRD-RTU-A	Ready-to-use multi-positive chicken serum		5 mL – 50 reactions	
MRINEG-BIRD-RTU	Ready-to-use negative SPF chicken serum		5 mL – 50 reactions	
IDNDV-50	ID Gene® Newcastle Disease Duplex	qPCR - Duplex	-	50
IDNDV-100			-	100
PEC-NDV	Freeze-dried Positive Extraction Control	To be extracted	550 µL	10 samples
MAGFAST384	ID Gene™ Mag Fast Extraction Kit	Magnetic beads	384 samples	