

Infectious Laryngotracheitis

Offering new technology for
ILT diagnosis



ID Screen® ILT Indirect

ID Screen® ILTgI Indirect

ID Screen® ILTgB Indirect



Innovative tests with superior performance

With IDvet's range of ILT ELISAs, obtain superior test performance and efficiently monitor recombinant vaccines.

- » The ID Screen® ILT Indirect (ILTS) is perfectly suited for qualitative disease testing, as its improved specificity allows for more reliable results.
- » The ID Screen® ILTgI Indirect (ILTGIS) is the only commercial ELISA designed to efficiently monitor recombinant vaccines based on gI proteins (rHVT-gI).
- » The ID Screen® ILTgB Indirect (ILTGBS) is the only commercial ELISA designed to efficiently monitor recombinant vaccines based on gB proteins (rFP-gB).
- » Used together, these ELISAs offer DIVA* solutions (see table on page 3).

**Differentiation between Infected and Vaccinated Animals*



Specifications

Method	Indirect ELISAs
Species	Chickens (broilers, breeders, layers)
Specimens	Serum and plasma
Coated antigen	ILTS: ILTV purified antigen
	ILTGIS: recombinant gI protein
	ILTGBS: recombinant gB protein
Conjugate (concentrated 10X)	Anti-chicken-HRP conjugate

One-of-a kind tests for ILT diagnosis and monitoring of vector vaccines

Product name	Indications	Advantages
ID Screen® ILT Indirect (product code: ILTS)	<ul style="list-style-type: none"> Disease diagnosis Monitoring of conventional vaccine programs (CEO and TCO vaccines) May be used as part of a DIVA strategy, as does not detect seroconversion to rHVT-gI vaccines 	<ul style="list-style-type: none"> Superior specificity with respect to other commercial ELISAs for more reliable results
ID Screen® ILT gI Indirect (product code: ILTGIS)	<ul style="list-style-type: none"> Disease diagnosis in unvaccinated populations Monitoring of recombinant vaccines based on gI proteins (Innovax® ILT) Monitoring of conventional vaccine programs (CEO and TCO vaccines) May be used as part of a DIVA strategy for animals vaccinated with rHVT-gB vaccines, as plates are coated with recombinant gI protein 	<ul style="list-style-type: none"> The only commercial ELISA for monitoring rHVT-gI recombinant vaccines The ILTS and ILTGBS ELISAs, which do not detect gI antibodies, may be used to identify naturally-infected animals in rHVT-gI vaccinated populations.
ID Screen® ILT gB Indirect (product code: ILTGBS)	<ul style="list-style-type: none"> Disease diagnosis in unvaccinated populations Monitoring of recombinant vaccines based on gB proteins (Vectormune® FP LT) Monitoring of conventional vaccine programs (CEO and TCO vaccines) May be used as part of a DIVA strategy for animals vaccinated with rHVT-gI vaccines, as plates are coated with recombinant gB protein 	<ul style="list-style-type: none"> The only commercial ELISA for monitoring rFP-gB recombinant vaccines The ILTGIS ELISA, which does not detect gB antibodies, may be used to identify naturally-infected animals in rFP-gB vaccinated populations.

DIVA* strategies

Vaccination with rHVT-gI vaccines

Flock status	Expected results with ILTGIS	Expected results with ILTS / ILTGBS
Unvaccinated, uninfected	NEG	NEG
Vaccinated (rHVT-gI), uninfected	POS	NEG
Vaccinated (rHVT-gI), infected	POS	POS

Vaccination with rFP-gB vaccines

Flock status	Expected results with ILTGBS	Expected results with ILTGIS
Unvaccinated, uninfected	NEG	NEG
Vaccinated (rFP-gB), uninfected	POS	NEG
Vaccinated (rFP-gB), infected	POS	POS

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

5 plates (5P)	480 reactions
10 plates (10P)	960 reactions



Optimize your quality control with the ready-to-use IDvet reference control samples

These reference samples contain significant levels of antibodies to ILT.

The samples are tested undiluted to verify that analytical sensitivity remains constant between runs and operators.



References

Koopman, R. et al. **Serologic monitoring (vaccine take) after Innovax ILT (rHVT-ILT) vaccination using conventional type of ILT ELISA kits and an ILT gI specific protein ELISA kit.** Global Poultry Business Unit, MSD Animal Health. Oral presentation given at the AVMA - AAAP convention, San Antonio, USA, August 2016.

Internal validation report, ID Screen® Infectious Laryngotracheitis Indirect. IDvet. September 2013. France.

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info@id-vet.com

+ 33 4 67 41 49 33

www.id-vet.com