

## Real-time RT-PCR for the qualitative detection of all serotypes of the Bluetongue virus in ruminant blood samples

This qualitative duplex test simultaneously amplifies a target sequence in the BTV genome, and an endogenous internal control.

### The only commercial BTV PCR which includes a target positive control\*:

- to be extracted along with field samples in order to evaluate extraction efficiency
- calibrated at between 10 and 100 times the method detection limit in order to monitor variations in analytical sensitivity

### Other features:

- **Detects all BTV serotypes**
- **Rapid (1 hour) or standard (2 hour) amplification protocols**
- **Compatible** with most extraction systems (magnetic beads, silica columns) and with all thermocyclers
- Uses the **same extraction and amplification protocols common to all ID Gene™ PCR tests** so that other pathogens (DNA or RNA) may be tested on the same plate
- **High performance:**  $DL_{PCR} < 10$  copies / PCR and specificity of 100%.
- **Validated** by the French national reference laboratory and according to the French standard NFU47-600-2.
- **Ready-to-use reagents** mean that the amplification reaction mix contains all the primers, probes and master mix required to run the qPCR.

\* **Target positive control included in the kit:** inactivated BTV, diluted in a virus-negative whole blood matrix, freeze-dried and calibrated at between 10 and 100 times the detection limit of the method (MDL).

## SPECIFICATIONS

Product code	IDBTv-50	IDBTv-100
Reactions	50	100
Method	Real time RT PCR - Duplex - Qualitative	
Species	Ruminants	
Sample types	Blood	

## ASSOCIATED PRODUCTS

### ID Gene® Spin Universal Extraction Kit

Product code	SPIN50 / SPIN250
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**Format** 50 preps / 250 preps

**Description** **Extraction system using silica columns for all matrices and all veterinary pathogens**

### **ID Gene™ Mag Fast Extraction Kit**

**Product code** MAGFAST384

**Format** 384 preps

**Description** **Rapid magnetic bead nucleic acid extraction kit for use with any matrix or pathogen (DNA or RNA).**

- ⇒ The **fastest magnetic bead** extraction kit on the market, with results in only 20 min!
- ⇒ Use in combination with the [ID Gene™ range of amplification kits](#) to obtain results in only **70 minutes for DNA** and **90 minutes for RNA** (extraction and amplification)
- ⇒ Compatible with most open extraction robots for magnetic beads

### **ID Gene® Mag Universal Extraction Kit**

**Product code** MAG384

**Format** 384 preps

**Description** **Magnetic bead nucleic acid extraction system for use for use with any matrix or pathogen (DNA or RNA).**

- ⇒ Results in 40 min
- ⇒ Compatible with most open extraction robots for magnetic beads
- ⇒ May be used with most commercial amplification kits which are validated with this type of extraction protocol.