

Real-time RT-PCR for the qualitative detection of the Schmallenberg virus in ruminant blood, serum and organ samples

This qualitative duplex test simultaneously amplifies target RNA and an endogenous internal control in ruminant blood and serum samples.

It is the only commercial SBV PCR to include:

- **positive target control*** to be extracted along with field samples in order to evaluate extraction efficiency and confirm the absence of inhibitors in each well
- **a target positive control calibrated** at between 10 and 100 times the MDL (method detection limit) in order to monitor variations in analytical sensitivity

Other features:

- **High performance:** DL_{PCR} < 10 copies / PCR and specificity of 100%.
- **Validated** using the German FLI and the French national reference laboratory panels, and according to the French standard NFU47-600-2.
- **Detects all SBV serotypes**
- **Rapid 1 hour amplification protocol**
- **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
- **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 (TPC) included in the kit:** inactivated SBV, diluted in a virus-negative serum matrix, freeze-dried and calibrated at between 10 and 100 times the detection limit of the method (MDL).

SPECIFICATIONS

Product code	IDSBV-50	IDSBV-100
Reactions	50	100
Method	Real time RT PCR - Duplex - Qualitative	
Species	Ruminants	
Sample types	Blood, serum, brain	

ASSOCIATED PRODUCTS

ID Gene® Spin Universal Extraction Kit

Product code	SPIN50 / SPIN250
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	<p>Rapid magnetic bead nucleic acid extraction kit for use with any matrix or pathogen (DNA or RNA).</p> <p>⇒ The fastest magnetic bead extraction kit on the market, with results in only 20 min!</p> <p>⇒ 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)</p> <p>⇒ Compatible with most open extraction robots for magnetic beads</p>

ID Gene® Mag Universal Extraction Kit

Product code	MAG384
Format	384 preps
Description	<p>Magnetic bead nucleic acid extraction system for use for use with any matrix or pathogen (DNA or RNA).</p> <p>⇒ Results in 40 min</p> <p>⇒ Compatible with most open extraction robots for magnetic beads</p> <p>⇒ May be used with most commercial amplification kits which are validated with this type of extraction protocol.</p>