

Real-time RT-PCR for the qualitative detection of all serotypes of the BVD / BD viruses in ruminant blood, serum, milk, organs and ear notch samples (individual samples and pools).

This qualitative triplex test simultaneously amplifies target RNA common to all BVDV/BDV serotypes, an endogenous internal control, and a non-target exogenous positive control.

It is the only commercial BVD PCR which includes:

- **positive target and non-target controls*** to be extracted along with field samples 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:

- **Detects all BVD/BD serotypes**
- **Rapid 1 hour amplification protocol**
- May also be used with **direct lysis for ear notch samples** (no extraction step required)
- **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
 - $DL_{Method} 10$ DICT50/mL
 - 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 (TPC) included in the kit:** naturally-infected, freeze-dried field sample (a freeze-dried blood or ear notch sample).

*** Non-Target exogenous Positive Control (NTPC) included in the kit:** non-pathogenic inactivated viral strain.

SPECIFICATIONS

Product code	IDBVD-50	IDBVD-100
Reactions	50	100
Method	Real time RT-PCR - Triplex - Qualitative	
Species	Ruminant	
Sample types	Individual or pools	
Specimens	Blood, serum, ear notch samples, organs and milk	

ASSOCIATED PRODUCTS

Direct lysis buffer for ear notches

Product code	DLB-500
Format	500 preps
Description	<p>Single-tube system for the rapid extraction of DNA/RNA from ear notch samples.</p> <p>The DLB is easy-to-use, without any liquid-handling or tube-opening steps.</p>

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

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.