ID Gene™ Paratuberculosis Duplex

Real-time PCR for the relative qualitative or quantitative detection of *Mycobacterium avium* subsp. *paratuberculosis* in ruminant faeces (individual samples or pools of up to 10), boot swabs or mycobacterial culture.

This relative qualitative or quantitative duplex test simultaneously amplifies a target sequence in the *Mycobacterium avium* subsp. *paratuberculosis* (Map) genome and an exogenous internal control.

Advantages:

- **Superior sensitivity** to facilitate detection of infected animals and identify new herd breakdowns
- **The most reliable qPCR** thanks to:
  – an exogenous mycobacterial control to confirm pathogen lysis and verify the absence of PCR inhibitors
  – a calibrated positive control to detect variations in analytical sensitivity
- **Manage culling priorities** and differentiate between passive carriers and chronically-infected animals thanks to a positive control calibrated at 3000 Map / gr of faeces
- **Easiest sample preparation protocol** on the market, without any weighing step

Other features:

- **High performance**: DL_{PCR}< 30 copies / PCR and specificity of 100%.
- **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
- **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.

SPECIFICATIONS

Product code	IDMAP-50	IDMAP-100
Reactions	50	100
Method	Real time RT PCR - Duplex - Qualitative relative - Quantitative	
Species	Ruminants	
Sample types	Ruminant faeces (individual samples or pools of up to 10), boot swabs or mycobacterial culture.	

ASSOCIATED PRODUCTS

Lysis buffer	
Product code	LMAP-50 / LMAP-1000
Format	50 ml / 1000 ml
Description	Lysis buffer

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 Paratuberculosis Extraction Kit	
Product code	MAGMAP192
Format	192 preps
Description	**Magnetic bead DNA extraction kit for *Mycobacterium avium* subsp. *paratuberculosis* for ruminant faeces samples (individual samples or pools of up to 10).** ⇒ Results in 40 min ⇒ Compatible with most open extraction robots for magnetic beads

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.

ID Gene® Easy preparation for faeces samples	
Product code	EZPREP
Format	100 EZ Drop bottles (preps)
Description	**A simplified method for the preparation of faeces sample to be tested for *Mycobacterium avium* subsp. *paratuberculosis* and other pathogens.** ⇒ Allows for pre-treatment of faeces samples without any weighing step ⇒ Use in combination with IDMAP: ID Gene™ Paratuberculosis Duplex (IDMAP) PCR kit **Benefits:** ⇒ **Rapid**: process samples in only 2 minutes ⇒ **Easy-to-use**: • No weighing step • Easily open pools for re-test (conserve individual homogenates at -20°C) ⇒ **Improved test sensitivity and reproducibility** thanks to the production of homogenous faecal extracts