



**Protocols for pre-treatment of samples/controls  
for nucleic acid extraction with the ID Gene™ Mag Fast Extraction kit  
and analysis using (RT-) qPCR kits from the ID Gene™ and ID Gene Lyo™ product ranges**

**Last update : 12/08/2026**

The following pre-treatment protocols are available upon request at the address: [info@innovative-diagnostics.com](mailto:info@innovative-diagnostics.com) :

## EQUINE RANGE

**Equine herpesviruses type 1 (EHV-1) and 4 (EHV-4), responsible for equine rhinopneumonitis**

| (RT-) qPCR KIT NAME<br>(PRODUCT CODE)                                          | SAMPLE TYPE                         |                            |                                    |          | EXOGENOUS<br>NON-TARGET<br>POSITIVE<br>CONTROL<br>(NTPC) | ASSOCIATED<br>POSITIVE<br>EXTRACTION<br>CONTROL<br>(PRODUCT<br>CODE) | PRE-TREATMENT PROTOCOL  |             |                                          |
|--------------------------------------------------------------------------------|-------------------------------------|----------------------------|------------------------------------|----------|----------------------------------------------------------|----------------------------------------------------------------------|-------------------------|-------------|------------------------------------------|
|                                                                                | Blood                               | Swabs                      | Organs                             | Other(s) |                                                          |                                                                      | Name                    | Version     | Modification made                        |
| <b>ID Gene Lyo™<br/>Equine Herpesvirus 1<br/>and 4 Triplex<br/>(IDEHV1/4L)</b> | Whole blood<br>collected on<br>EDTA | Nasal or<br>nasopharyngeal | Organs from<br>aborted<br>foetuses | No       | <b>NTPC-EHV1/4<br/>included in<br/>the qPCR kit</b>      | <b>EHV1/4 Positive<br/>Extraction<br/>Control<br/>(PEC-EHV1/4)</b>   | <b>EHV-<br/>MAGFAST</b> | <b>1224</b> | N/A, IDEHV1/4L qPCR kit<br>now available |

## Equine piroplasmosis : *Babesia caballi* and *Theileria equi*

| TARGET PATHOGENS                                                                                            | (RT) qPCR KIT NAME<br>(PRODUCT CODE)                          | SAMPLE TYPE                    |       |                                                      |          | EXOGENOUS<br>NON-TARGET<br>POSITIVE<br>CONTROL<br>(NTPC) | ASSOCIATED<br>POSITIVE<br>EXTRACTION<br>CONTROL<br>(PRODUCT CODE)     | PRE-TREATMENT PROTOCOL |             |                                        |
|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|--------------------------------|-------|------------------------------------------------------|----------|----------------------------------------------------------|-----------------------------------------------------------------------|------------------------|-------------|----------------------------------------|
|                                                                                                             |                                                               | Blood                          | Swabs | Organs                                               | Other(s) |                                                          |                                                                       | Name                   | Version     | Modification made                      |
| <ul style="list-style-type: none"> <li>• <i>Babesia caballi</i></li> <li>• <i>Theileria equi</i></li> </ul> | <b>ID Gene Lyo™ Equine piroplasmosis Triplex</b><br>(IDPIROL) | Whole blood<br>(in EDTA tubes) | No    | Organs from aborted foetuses (lung, liver, placenta) | No       | No                                                       | <b>Equine piroplasmosis Positive Extraction Control</b><br>(PEC-PIRO) | <b>PIRO-MAGFAST</b>    | <b>0526</b> | N/A, IDSTRANGDL qPCR kit now available |

## Influenza A virus

| (RT-) qPCR KIT NAME<br>(PRODUCT CODE)                                | SAMPLE TYPE |                                                     |        |                                                                                                                                                                       | EXOGENOUS<br>NON-TARGET<br>POSITIVE<br>CONTROL<br>(NTPC) | ASSOCIATED<br>POSITIVE<br>EXTRACTION<br>CONTROL<br>(PRODUCT CODE) | PRE-TREATMENT PROTOCOL |             |                                          |
|----------------------------------------------------------------------|-------------|-----------------------------------------------------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------|------------------------|-------------|------------------------------------------|
|                                                                      | Blood       | Swabs                                               | Organs | Other(s)                                                                                                                                                              |                                                          |                                                                   | Name                   | Version     | Modification made                        |
| <b>ID Gene Lyo™ Influenza A Multi-species Triplex</b><br>(IDFLUAMSL) | No          | Nasal / nasopharyngeal swab<br>(individual samples) | No     | <ul style="list-style-type: none"> <li>• Viral culture (individual samples)</li> <li>• Nucleic acid storage cards (individual samples or pools of up to 5)</li> </ul> | <b>NTPC-EXO1 included in the RT-qPCR kit</b>             | <b>FLUAMS Positive Extraction Control</b><br>(PEC-FLUAMS)         | <b>FLU-MAGFAST</b>     | <b>0825</b> | N/A, IDFLUAMSL RT-qPCR kit now available |

### *Streptococcus equi* subsp. *equi* and subsp. *zooepidemicus*

| TARGET PATHOGENS                                                                                                                                                                                                                                | (RT) qPCR KIT NAME<br>(PRODUCT CODE)                                 | SAMPLE TYPE |                          |                                                      |                                                                                       | EXOGENOUS NON-TARGET POSITIVE CONTROL (NTPC) | ASSOCIATED POSITIVE EXTRACTION CONTROL (PRODUCT CODE)           | PRE-TREATMENT PROTOCOL  |             |                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------|--------------------------|------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------------------------------------------|-------------------------|-------------|----------------------------------------|
|                                                                                                                                                                                                                                                 |                                                                      | Blood       | Swabs                    | Organs                                               | Other(s)                                                                              |                                              |                                                                 | Name                    | Version     | Modification made                      |
| <ul style="list-style-type: none"> <li>• <i>Streptococcus equi</i> subsp. <i>equi</i>, responsible for Strangles</li> <li>• <i>Streptococcus equi</i> subsp. <i>zooepidemicus</i>, responsible for respiratory symptoms and abortion</li> </ul> | <b>ID Gene Lyo™ Strangles Discrimination Triplex</b><br>(IDSTRANGDL) | No          | Nasal or naso-pharyngeal | Organs from aborted foetuses (lung, liver, placenta) | Guttural pouch wash samples, nasopharyngeal, bronchoalveolar or tracheal wash samples | <b>NTPC-EXO2</b><br>included in the qPCR kit | <b>SEE and SEZ Positive Extraction Control</b><br>(PEC-STRANGD) | <b>STRANGDL-MAGFAST</b> | <b>0526</b> | N/A, IDSTRANGDL qPCR kit now available |

### *Taylorella equigenitalis* bacteria, responsible for contagious equine metritis (CEM), and *Klebsiella pneumoniae* and *Pseudomonas aeruginosa* bacteria

| (RT-) qPCR KIT NAME<br>(PRODUCT CODE)                                     | SAMPLE TYPE |              |        |          | EXOGENOUS NON-TARGET POSITIVE CONTROL (NTPC) | ASSOCIATED POSITIVE EXTRACTION CONTROL (PRODUCT CODE) | PRE-TREATMENT PROTOCOL |             |                                    |
|---------------------------------------------------------------------------|-------------|--------------|--------|----------|----------------------------------------------|-------------------------------------------------------|------------------------|-------------|------------------------------------|
|                                                                           | Blood       | Swabs        | Organs | Other(s) |                                              |                                                       | Name                   | Version     | Modification made                  |
| <b>ID Gene Lyo™ Contagious equine metritis TKP Quadruplex</b><br>(IDCEML) | No          | Genital swab | No     | Semen    | <b>NTPC-CEM</b><br>included in the qPCR kit  | <b>CEM Positive Extraction Control</b><br>(PEC-CEM)   | <b>CEM-MAGFAST</b>     | <b>0824</b> | N/A, IDCEML qPCR kit now available |