

genetic PCR solutions™

VERSION

DECEMBER  
2025

**KITS  
AVAILABLE**

"We design, validate and package, qPCR assays for any  
pathogen in two weeks"



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# Real-time PCR kits

## Veterinary

| Singleplex targets                                   | Catalogue Ref.    | N°  | Genome |
|------------------------------------------------------|-------------------|-----|--------|
| <i>Actinobacillus pleuropneumoniae</i> Apx I toxin   | ActPle-ApxI       | 184 | DNA    |
| <i>Actinobacillus pleuropneumoniae</i> Apx II toxin  | ActPle-ApxII      | 185 | DNA    |
| <i>Actinobacillus pleuropneumoniae</i> Apx III toxin | ActPle-ApxIII     | 186 | DNA    |
| <i>Actinobacillus pleuropneumoniae</i> Apx IV toxin  | ActPle-ApxIV      | 369 | DNA    |
| <i>Actinobacillus pleuropneumoniae</i> omlA I        | ActPle-omIAI      | 188 | DNA    |
| <i>Actinobacillus pleuropneumoniae</i> omlA II       | ActPle-omIAII     | 189 | DNA    |
| <i>Actinobacillus pleuropneumoniae</i> omlA III + IV | ActPle-omIAIII+IV | 190 | DNA    |
| <i>Actinobacillus pleuropneumoniae</i> omlA IV       | ActPle-omIAIV     | 191 | DNA    |
| <i>Actinobacillus pleuropneumoniae</i> omlA V        | ActPle-omIAV      | 192 | DNA    |
| <i>Actinomortierella wolfii</i>                      | ActWol            | 336 | DNA    |
| <i>Aeromonas veronii</i>                             | AerVer            | 436 | DNA    |
| African horse sickness virus                         | AHSV              | 101 | RNA    |
| African swine fever virus                            | ASFV              | 040 | DNA    |
| African swine fever virus Reference                  | ASFV-Ref          | 456 | DNA    |
| Aleutian mink disease virus                          | AMDV              | 294 | DNA    |
| <i>Anaplasma marginale</i>                           | AnaMar            | 444 | DNA    |
| <i>Anaplasma phagocytophilum</i>                     | AnaPha            | 008 | DNA    |
| <i>Anaplasma</i> spp.                                | AnaSpp            | 213 | DNA    |
| <i>Arcobacter</i> spp.                               | ArcSpp            | 120 | DNA    |
| Avastrovirus 1                                       | AAstV-1           | 385 | RNA    |
| Avian hepatitis E virus                              | AHEV              | 056 | RNA    |
| Avian infectious bronchitis virus                    | AIBV              | 065 | RNA    |
| Avian infectious bronchitis virus GI-23 lineage      | AIBV-GI-23        | 459 | RNA    |
| Avian influenza type A virus                         | AIHV              | 033 | RNA    |
| Avian influenza type A virus subtype H1              | AIHV-H1           | 323 | RNA    |
| Avian influenza type A virus subtype H3              | AIHV-H3           | 324 | RNA    |
| Avian influenza type A virus subtype H5              | AIHV-H5           | 375 | RNA    |
| Avian influenza type A virus subtype H7              | AIHV-H7           | 082 | RNA    |

|                                                     |                     |     |     |
|-----------------------------------------------------|---------------------|-----|-----|
| Avian influenza type A virus subtype H9             | AIAV-H9             | 083 | RNA |
| Avian influenza type A virus subtype N1             | AIAV-N1             | 284 | RNA |
| Avian influenza type A virus subtype N2             | AIAV-N2             | 279 | RNA |
| Avian influenza type A virus subtype N2 (H9N2-like) | AIAV-N2 (H9N2-like) | 319 | RNA |
| Avian influenza type A virus subtype N8             | AIAV-N8             | 411 | RNA |
| Avian influenza type A virus subtype N9             | AIAV-N9             | 281 | RNA |
| Avian leukosis virus subgroup A                     | ALV-A               | 462 | RNA |
| Avian leukosis virus subgroup B                     | ALV-B               | 110 | RNA |
| Avian metapneumovirus subgroup A                    | AMPV-A              | 429 | RNA |
| Avian metapneumovirus subgroup B                    | AMPV-B              | 427 | RNA |
| Avian metapneumovirus subgroup C                    | AMPV-C              | 280 | RNA |
| Avian metapneumovirus subgroup D                    | AMPV-D              | 428 | RNA |
| Avian polyomavirus                                  | APV                 | 164 | DNA |
| Avian reovirus                                      | ARV                 | 037 | RNA |
| <i>Avibacterium paragallinarum</i>                  | AviPar              | 417 | DNA |
| <i>Babesia caballi</i>                              | BabCab              | 016 | DNA |
| <i>Babesia gibsoni</i>                              | BabGib              | 382 | DNA |
| <i>Babesia</i> spp.                                 | BabSpp              | 392 | DNA |
| <i>Babesia vulpes</i>                               | BabVul              | 383 | DNA |
| Babesiosis canina                                   | BabCan              | 001 | DNA |
| <i>Bacillus anthracis</i>                           | BacAnt              | 235 | DNA |
| <i>Bartonella henselae</i>                          | BarHen              | 248 | DNA |
| Beak and feather disease virus                      | BFDV                | 388 | DNA |
| <i>Bibersteinia trehalosi</i>                       | BibTre              | 275 | DNA |
| Bluetongue virus                                    | BTV                 | 269 | RNA |
| <i>Bordetella bronchiseptica</i>                    | BorBro              | 441 | DNA |
| <i>Borrelia burgdorferi</i>                         | BorBur              | 212 | DNA |
| Bovine coronavirus                                  | BCoV                | 061 | RNA |
| Bovine ephemeral fever virus                        | BEFV                | 060 | RNA |
| Bovine herpesvirus 1                                | BoHV-1              | 042 | DNA |
| Bovine herpesvirus 2                                | BoHV-2              | 260 | DNA |
| Bovine leukemia virus                               | BLV                 | 149 | RNA |
| Bovine respiratory syncytial virus                  | BRSV                | 180 | RNA |
| Bovine rotavirus A                                  | BRVA                | 435 | RNA |

|                                                                 |                |     |     |
|-----------------------------------------------------------------|----------------|-----|-----|
| Bovine viral diarrhoea virus-Border disease virus               | BVDV-BDV       | 178 | RNA |
| <i>Brachyspira hyodysenteriae</i>                               | BraHyo         | 152 | DNA |
| <i>Brachyspira intermedia</i>                                   | BraInt         | 396 | DNA |
| <i>Brachyspira murdochii</i>                                    | BraMur         | 395 | DNA |
| <i>Brachyspira pilosicoli</i>                                   | BraPil         | 174 | DNA |
| <i>Brucella abortus</i>                                         | BruAbo         | 439 | DNA |
| <i>Brucella melitensis</i>                                      | BruMel         | 448 | DNA |
| <i>Brucella</i> spp.                                            | BruSpp         | 217 | DNA |
| <i>Burkholderia mallei</i>                                      | BurMal         | 393 | DNA |
| Camelpox virus                                                  | CMLV           | 126 | DNA |
| <i>Campylobacter fetus</i>                                      | CamFet         | 181 | DNA |
| <i>Campylobacter fetus</i> subsp. <i>venerealis</i>             | CamFetVen      | 052 | DNA |
| <i>Campylobacter hepaticus</i>                                  | CamHep         | 331 | DNA |
| <i>Campylobacter</i> spp.                                       | CamSpp         | 170 | DNA |
| Canine and feline parvoviruses                                  | CPV-2-FPLV     | 221 | DNA |
| Canine distemper virus                                          | CDV            | 012 | RNA |
| Canine herpesvirus 1                                            | CHV-1          | 165 | DNA |
| Caprine arthritis encephalitis provirus                         | CAEVp          | 219 | DNA |
| Caprine arthritis encephalitis virus                            | CAEV           | 219 | RNA |
| Capripoxvirus                                                   | CPPV           | 086 | DNA |
| Chicken anemia virus                                            | CAV            | 420 | DNA |
| <i>Chlamydia abortus</i>                                        | ChIAbo         | 133 | DNA |
| <i>Chlamydia felis</i> , <i>C. psittaci</i> , <i>C. abortus</i> | ChI3Sp         | 011 | DNA |
| <i>Chlamydia pecorum</i>                                        | ChIPec         | 204 | DNA |
| <i>Chlamydia psittaci</i>                                       | ChIPsi         | 389 | DNA |
| <i>Chlamydia</i> spp.                                           | ChISpp         | 398 | DNA |
| <i>Chlamydia suis</i>                                           | ChISui         | 134 | DNA |
| Classical swine fever virus                                     | CSFV           | 041 | RNA |
| <i>Clostridioides difficile</i>                                 | CloDif         | 371 | DNA |
| <i>Clostridium perfringens</i>                                  | CloPer         | 121 | DNA |
| <i>Clostridium perfringens</i> Alpha toxin                      | CloPer-Alpha   | 121 | DNA |
| <i>Clostridium perfringens</i> Beta toxin                       | CloPer-Beta    | 129 | DNA |
| <i>Clostridium perfringens</i> Beta2 toxin                      | CloPer-Beta2   | 194 | DNA |
| <i>Clostridium perfringens</i> Epsilon toxin                    | CloPer-Epsilon | 130 | DNA |

|                                                 |             |     |     |
|-------------------------------------------------|-------------|-----|-----|
| <i>Clostridium perfringens</i> Iota toxin       | CloPer-Iota | 131 | DNA |
| <i>Clostridium</i> spp.                         | CloSpp      | 231 | DNA |
| <i>Coxiella burnetii</i>                        | CoxBur      | 416 | DNA |
| <i>Cryptosporidium</i> spp.                     | CrySpp      | 148 | DNA |
| <i>Cytauxzoon</i> spp.                          | CytSpp      | 322 | DNA |
| <i>Dermanyssus gallinae</i>                     | DerGal      | 414 | DNA |
| <i>Dirofilaria immitis</i>                      | DirlImm     | 316 | DNA |
| Eastern equine encephalitis virus               | EEEV        | 031 | RNA |
| <i>Echinococcus granulosus</i>                  | EchGra      | 504 | DNA |
| <i>Echinococcus multilocularis</i>              | EchMul      | 505 | DNA |
| Egg drop syndrome virus                         | EDSV        | 027 | DNA |
| <i>Ehrlichia</i> spp.                           | EhrSpp      | 047 | DNA |
| <i>Enterococcus cecorum</i>                     | EntCec      | 415 | DNA |
| Enterovirus                                     | EV          | 489 | RNA |
| Epizootic hemorrhagic disease virus             | EHDV        | 438 | RNA |
| Equine arteritis virus                          | EAV         | 318 | RNA |
| Equine coronavirus                              | ECoV        | 299 | RNA |
| Equine herpesvirus 1                            | EHV-1       | 102 | DNA |
| Equine herpesvirus 3                            | EHV-3       | 162 | DNA |
| Equine herpesvirus 4                            | EHV-4       | 103 | DNA |
| Equine infectious anemia virus                  | EqIAV       | 394 | RNA |
| Equine influenza type A virus (H3N8 & H7N7)     | EIAV        | 166 | RNA |
| <i>Erysipelothrix rhusiopathiae</i>             | EryRhu      | 203 | DNA |
| <i>Escherichia coli</i> cv1                     | EscCol-cv1  | 117 | DNA |
| <i>Escherichia coli</i> F4 ( <i>faeG</i> )      | EscCol-F4   | 198 | DNA |
| <i>Escherichia coli</i> F18 ( <i>fedA</i> )     | EscCol-F18  | 199 | DNA |
| <i>Escherichia coli</i> Fimbria F5 (K99)        | EscCol-F5   | 271 | DNA |
| <i>Escherichia coli</i> Fimbria F17             | EscCol-F17  | 272 | DNA |
| <i>Escherichia coli</i> Fimbria F41             | EscCol-F41  | 273 | DNA |
| <i>Escherichia coli</i> <i>fimC</i>             | EscCol-fimC | 117 | DNA |
| <i>Escherichia coli</i> <i>fyuA</i>             | EscCol-fyuA | 117 | DNA |
| <i>Escherichia coli</i> <i>hlyF</i>             | EscCol-hlyF | 117 | DNA |
| <i>Escherichia coli</i> Heat-stable toxin B     | EscCol-HSTB | 367 | DNA |
| <i>Escherichia coli</i> Intimine ( <i>eae</i> ) | EscCol-eae  | 197 | DNA |

|                                                     |               |     |     |
|-----------------------------------------------------|---------------|-----|-----|
| <i>Escherichia coli iroN</i>                        | EscCol-iroN   | 117 | DNA |
| <i>Escherichia coli iss</i>                         | EscCol-iss    | 117 | DNA |
| <i>Escherichia coli iucC</i>                        | EscCol-iucC   | 117 | DNA |
| <i>Escherichia coli iutA</i>                        | EscCol-iutA   | 117 | DNA |
| <i>Escherichia coli</i> LT ( <i>toxA</i> )          | EscCol-LT     | 196 | DNA |
| <i>Escherichia coli ompT</i>                        | EscCol-ompT   | 117 | DNA |
| <i>Escherichia coli</i> Porcine Heat-stable toxin A | EscCol-pHSTA  | 366 | DNA |
| <i>Escherichia coli tsh</i>                         | EscCol-tsh    | 117 | DNA |
| Feline calicivirus                                  | FCV           | 266 | RNA |
| Feline coronavirus                                  | FCoV          | 017 | RNA |
| Feline herpesvirus 1                                | FHV-1         | 010 | DNA |
| Feline immunodeficiency provirus                    | FIVp          | 202 | DNA |
| Feline immunodeficiency virus                       | FIV           | 202 | RNA |
| Feline infectious peritonitis virus                 | FIPV          | 222 | RNA |
| Feline leukemia provirus                            | FeLVp         | 218 | DNA |
| Feline leukemia virus                               | FeLV          | 218 | RNA |
| Foot-and-mouth disease virus                        | FMDV          | 142 | RNA |
| Foot-and-mouth disease virus type A                 | FMDV-A        | 495 | RNA |
| Foot-and-mouth disease virus type ASIA1             | FMDV-ASIA1    | 497 | RNA |
| Foot-and-mouth disease virus type C                 | FMDV-C        | 067 | RNA |
| Foot-and-mouth disease virus type O                 | FMDV-O        | 496 | RNA |
| Foot-and-mouth disease virus type SAT2 topotype XIV | FMDV-SAT2-XIV | 397 | RNA |
| Foot-and-mouth disease virus type SAT3              | FMDV-SAT3     | 468 | RNA |
| Fowl aviadenovirus A                                | FAdV-A        | 265 | DNA |
| <i>Gallibacterium anatis</i>                        | GalAna        | 028 | DNA |
| Gallid alphaherpesvirus 1                           | GaHV-1        | 418 | DNA |
| Gallid herpesvirus 2                                | GaHV-2        | 107 | DNA |
| <i>Giardia intestinalis</i>                         | GiaInt        | 143 | DNA |
| Goatpox virus                                       | GTPV          | 227 | DNA |
| <i>Haemonchus contortus</i>                         | HaeCon        | 278 | DNA |
| <i>Haemophilus parasuis</i>                         | HaePar        | 205 | DNA |
| <i>Hepatozoon</i> spp.                              | HepSpp        | 099 | DNA |
| <i>Histophilus somni</i>                            | HisSom        | 258 | DNA |
| Infectious bursal disease virus                     | IBDV          | 300 | RNA |

|                                                                  |              |     |     |
|------------------------------------------------------------------|--------------|-----|-----|
| Infectious salmon anemia virus                                   | ISAV         | 128 | RNA |
| Interleukin 6 Chicken                                            | IL-6 Chicken | 293 | RNA |
| <i>Lawsonia intracellularis</i>                                  | LawInt       | 157 | DNA |
| <i>Leishmania infantum</i> ( <i>Leishmania donovani</i> complex) | LeiInf       | 387 | DNA |
| <i>Leishmania</i> spp.                                           | LshSpp       | 021 | DNA |
| <i>Leptospira interrogans</i>                                    | LepInt       | 176 | DNA |
| <i>Leptospira</i> spp.                                           | LepSpp       | 005 | DNA |
| <i>Listeria ivanovii</i>                                         | Lislva       | 334 | DNA |
| Lumpy skin disease virus                                         | LSDV         | 046 | DNA |
| <i>Macrorhabdus ornithogaster</i>                                | MacOrn       | 239 | DNA |
| Maedi-Visna virus                                                | MVV          | 211 | RNA |
| <i>Mannheimia haemolytica</i>                                    | ManHae       | 274 | DNA |
| <i>Metamycoplasma hyosynoviae</i>                                | MetHyo       | 173 | DNA |
| <i>Microsporum canis</i> complex                                 | MCplex       | 481 | DNA |
| Middle East respiratory syndrome coronavirus                     | MERS-CoV     | 085 | RNA |
| <i>Moraxella bovis</i>                                           | MorBov       | 267 | DNA |
| <i>Moraxella bovoculi</i>                                        | MorBovc      | 268 | DNA |
| Mouse mammary tumor virus                                        | MMTV         | 045 | RNA |
| <i>Mycobacterium avium</i>                                       | MycbAvi      | 363 | DNA |
| <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i>        | MAP          | 469 | DNA |
| <i>Mycobacterium sensu stricto</i>                               | MycbSStr     | 347 | DNA |
| <i>Mycobacterium</i> spp.                                        | MycbSpp      | 238 | DNA |
| <i>Mycobacterium tuberculosis</i> complex                        | MTplex       | 015 | DNA |
| <i>Mycobacterium tuberculosis</i> variant <i>bovis</i>           | MycbBov      | 183 | DNA |
| <i>Mycoplasma agalactiae</i>                                     | MycAga       | 159 | DNA |
| <i>Mycoplasma capricolum</i>                                     | MycCap       | 160 | DNA |
| <i>Mycoplasma conjunctivae</i>                                   | MycCon       | 240 | DNA |
| <i>Mycoplasma cynos</i>                                          | MycCyn       | 452 | DNA |
| <i>Mycoplasma gallisepticum</i>                                  | MycGal       | 038 | DNA |
| <i>Mycoplasma gallisepticum</i> vaccine strain 6-85              | Mg 6-85      | 104 | DNA |
| <i>Mycoplasma haematoparvum</i> (Candidatus)                     | MycHamp      | 381 | DNA |
| <i>Mycoplasma haemofelis/haemocanis</i>                          | MycHae       | 119 | DNA |
| <i>Mycoplasma haemolamae</i> (Candidatus)                        | MycHaem      | 243 | DNA |
| <i>Mycoplasma haemominutum</i> (Candidatus)                      | MycHamm      | 379 | DNA |

|                                                            |                |     |     |
|------------------------------------------------------------|----------------|-----|-----|
| <i>Mycoplasma hyopneumoniae</i>                            | MycHyop        | 270 | DNA |
| <i>Mycoplasma hyorhinis</i>                                | MycHrh         | 206 | DNA |
| <i>Mycoplasma mycoides</i>                                 | MycMyc         | 158 | DNA |
| <i>Mycoplasma ovipneumoniae</i>                            | MycOvi         | 276 | DNA |
| <i>Mycoplasma putrefaciens</i>                             | MycPut         | 161 | DNA |
| <i>Mycoplasma</i> spp. cluster 1                           | MycpSpp-1      | 237 | DNA |
| <i>Mycoplasma suis</i>                                     | MycSui         | 207 | DNA |
| <i>Mycoplasma turicensis</i> (Candidatus)                  | MycTur         | 380 | DNA |
| Mycoplasmas Haemo Group                                    | MycHG          | 321 | DNA |
| <i>Mycoplasmopsis bovis</i>                                | MycBov         | 368 | DNA |
| <i>Mycoplasmopsis synoviae</i>                             | MycSyn         | 310 | DNA |
| <i>Neospora caninum</i>                                    | NeoCan         | 200 | DNA |
| <i>Neospora</i> spp.                                       | NeoSpp         | 215 | DNA |
| Newcastle disease virus class 1                            | NDV-1          | 485 | RNA |
| Newcastle disease virus class 2                            | NDV-2          | 475 | RNA |
| ORF virus                                                  | ORFV           | 146 | DNA |
| Orthobornavirus alphapsittaciforme                         | OrtBV-AlphaPsi | 390 | RNA |
| Orthobornavirus betapsittaciforme                          | OrtBV-BetaPsi  | 391 | RNA |
| <i>Otodectes</i> spp.                                      | OtoSpp         | 480 | DNA |
| Ovine herpesvirus 2                                        | OvHV-2         | 014 | DNA |
| <i>Pasteurella multocida</i>                               | PasMul         | 224 | DNA |
| Peste-des-petits-ruminants virus                           | PPRV           | 124 | RNA |
| Porcine circovirus type 2                                  | PCV-2          | 156 | DNA |
| Porcine circovirus type 3                                  | PCV-3          | 303 | DNA |
| Porcine epidemic diarrhoea virus                           | PEDV           | 154 | RNA |
| Porcine parvovirus 1                                       | PPV-1          | 208 | DNA |
| Porcine reproductive and respiratory syndrome virus type 1 | PRRSV-1        | 153 | RNA |
| Porcine reproductive and respiratory syndrome virus type 2 | PRRSV-2        | 245 | RNA |
| <i>Psoroptes</i> spp.                                      | PsoSpp         | 479 | DNA |
| Rabies virus                                               | RABV           | 320 | RNA |
| Reticuloendotheliosis virus                                | REV            | 112 | RNA |
| <i>Rhodococcus equi</i>                                    | RhoEqu         | 360 | DNA |
| <i>Rickettsia</i> spp.                                     | RicSpp         | 039 | DNA |
| <i>Riemerella anatipestifer</i>                            | RieAna         | 029 | DNA |

|                                                                        |            |     |     |
|------------------------------------------------------------------------|------------|-----|-----|
| Rift valley fever virus                                                | RVFV       | 116 | RNA |
| Rotavirus type A                                                       | RVA        | 155 | RNA |
| <i>Salmonella enterica</i> subsp. <i>enterica</i> serovar Choleraesuis | SalChsu    | 365 | DNA |
| <i>Salmonella enterica</i> subsp. <i>enterica</i> serovar Infantis     | SalInfan   | 455 | DNA |
| <i>Sarcoptes</i> spp.                                                  | SarSpp     | 478 | DNA |
| Schmallenberg virus                                                    | SBV        | 043 | RNA |
| Sheeppox virus                                                         | SPPV       | 127 | DNA |
| <i>Streptococcus agalactiae</i>                                        | StrAga     | 228 | DNA |
| <i>Streptococcus equi</i> subsp. <i>equi</i>                           | StrEquEqu  | 357 | DNA |
| <i>Streptococcus equi</i> subsp. <i>zooepidemicus</i>                  | StrEquZoo  | 242 | DNA |
| <i>Streptococcus</i> spp.                                              | StrSpp     | 233 | DNA |
| <i>Streptococcus suis</i>                                              | StrSui     | 370 | DNA |
| <i>Strongylus vulgaris</i>                                             | StrVul     | 317 | DNA |
| Suid herpesvirus 1                                                     | SuHV-1     | 491 | DNA |
| Swine H1N1 influenza type A virus                                      | SIV-H1N1   | 179 | RNA |
| Swine influenza type A virus (H1N1, H3N2 and H1N2)                     | SIV        | 172 | RNA |
| <i>Taylorella asinigenitalis</i>                                       | TayAsi     | 447 | DNA |
| <i>Taylorella equigenitalis</i>                                        | TayEqu     | 150 | DNA |
| <i>Tenacibaculum dicentrarchi</i>                                      | TenDic     | 353 | DNA |
| <i>Theileria annulata</i>                                              | TheAnn     | 425 | DNA |
| <i>Theileria equi</i>                                                  | TheEqu     | 013 | DNA |
| <i>Theileria lestoquardi</i>                                           | TheLes     | 333 | DNA |
| <i>Theileria luwenshuni</i>                                            | TheLuw     | 431 | DNA |
| <i>Theileria orientalis</i> strain Shintoku                            | TheOriShin | 502 | DNA |
| <i>Theileria</i> spp.                                                  | TheSpp     | 220 | DNA |
| <i>Theileria velifera</i>                                              | TheVel     | 430 | DNA |
| <i>Toxoplasma gondii</i>                                               | ToxGon     | 171 | DNA |
| <i>Trichomonas gallinae</i>                                            | TriGal     | 282 | DNA |
| <i>Trichomonas</i> spp.                                                | TriSpp     | 348 | DNA |
| <i>Trichophyton</i> spp.                                               | TripSpp    | 477 | DNA |
| <i>Tritrichomonas foetus</i>                                           | TriFoe     | 053 | DNA |
| <i>Trueperella pyogenes</i>                                            | TruPyo     | 230 | DNA |
| <i>Trypanosoma congolense</i>                                          | TryCon     | 454 | DNA |
| <i>Trypanosoma evansi</i>                                              | TryEva     | 445 | DNA |

|                                                                                            |         |     |     |
|--------------------------------------------------------------------------------------------|---------|-----|-----|
| <i>Trypanosoma</i> spp.                                                                    | TrySpp  | 226 | DNA |
| <i>Trypanosoma vivax</i>                                                                   | TryViv  | 241 | DNA |
| <i>Trypanozoon</i> subgenus ( <i>T. evansi</i> , <i>T. brucei</i> , <i>T. equiperdum</i> ) | TrySub  | 225 | DNA |
| Turkey astrovirus 2                                                                        | TAstV-2 | 443 | RNA |
| <i>Ureaplasma diversum</i>                                                                 | UreDiv  | 084 | DNA |
| <i>Ureaplasma urealyticum</i>                                                              | UreUre  | 118 | DNA |
| Viral nervous necrosis                                                                     | VNN     | 051 | RNA |
| West Nile virus                                                                            | WNV     | 145 | RNA |
| White spot syndrome virus                                                                  | WSSV    | 123 | DNA |

| Duplex/ Triplex/Multiplex targets                                                                                  | Catalogue Ref.       | N°     | Genome |
|--------------------------------------------------------------------------------------------------------------------|----------------------|--------|--------|
| <i>Anaplasma</i> spp. & <i>Trypanozoon</i> subgenus ( <i>T. evansi</i> , <i>T. brucei</i> , <i>T. equiperdum</i> ) | AnaSpp&TrySub-Dx     | 015 Dx | DNA    |
| <i>Salmonella</i> spp. & AviPro Salmonella Vac T                                                                   | SalSpp&AviSal-T-Dx   | 023Dx  | DNA    |
| <i>Mycobacterium tuberculosis</i> complex multicopy & monocopy                                                     | MTplex-multi&mono-Dx | 013 Dx | DNA    |
| <i>Mycoplasma gallisepticum</i> & Mg vaccine strain 6-85                                                           | MycGal&Mg 6-85-Dx    | 003 Dx | DNA    |
| <i>Mycoplasma ovipneumoniae</i> & <i>Bibersteinia trehalosi</i>                                                    | MycOvi&BibTre-Dx     | 012 Dx | DNA    |
| <i>Mycoplasma gallisepticum</i> & <i>Mycoplasma synoviae</i>                                                       | MycGal&MycSyn        | 024 Dx | DNA    |
| Porcine reproductive and respiratory syndrome virus type 1&2                                                       | PRRSV-1&2-Dx         | 010 Dx | RNA    |
| <i>Taylorella asinigenitalis</i> & <i>equigenitalis</i>                                                            | TayAsi&TayEqu        | 021 Dx | DNA    |
| Turkey astrovirus 2 & Avastrovirus 1                                                                               | TAstV-2&AAstV-1-Dx   | 016 Dx | RNA    |

| Panel name & targets                                                                                                                                                                          | Catalogue Ref.            | Genome |
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| <i>Actinobacillus pleuropneumoniae</i> Apx Toxin-type<br>( <i>Actinobacillus pleuropneumoniae</i> ApxI, ApxII and ApxIII)                                                                     | ActPle-Apx-<br>Panel-3    | DNA    |
| <i>Actinobacillus pleuropneumoniae</i> <i>omlA</i> -genotype<br>( <i>Actinobacillus pleuropneumoniae</i> <i>omlA</i> I, <i>omlA</i> II, <i>omlA</i> III+IV, <i>omlA</i> IV and <i>omlA</i> V) | ActPle-omlA-<br>Panel-5   | DNA    |
| Avian Enteric Virus<br>(Avian reovirus, Rotavirus type A, Avastrovirus 1 and Turkey astrovirus 2)                                                                                             | Avian-Enteric-<br>Panel-4 | RNA    |

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| <b>Avian Fecal Transmission Viruses</b><br>(Avian reovirus, Avian infectious bronchitis virus, Infectious bursal disease virus and Avian infectious bronchitis virus GI-23 lineage)                                                                                              | Avian-FTV-<br>Panel-4    | RNA |
| <b>Avian metapneumovirus subgroups A &amp; B</b><br>(Avian metapneumovirus subgroup A and subgroup B)                                                                                                                                                                            | AMPV-A&B-<br>Panel-2     | RNA |
| <b>Avian Mycoplasmosis</b><br>( <i>Mycoplasma gallisepticum</i> and <i>Mycoplasma synoviae</i> )                                                                                                                                                                                 | Avian-Mycp-<br>Panel-2   | DNA |
| <b>Avian Oncogenic Virus</b><br>(Avian leukosis virus type A and B)                                                                                                                                                                                                              | Avian-Onco-<br>Panel-2   | RNA |
| <b>Bacterial Porcine Diarrhoea</b><br>( <i>Brachyspira hyodysenteriae</i> , <i>Lawsonia intracellularis</i> and <i>Brachyspira pilosicoli</i> )                                                                                                                                  | BP-Diarrhoea-<br>Panel-3 | DNA |
| <b>Canine Babesiosis</b><br>( <i>Babesia gibsoni</i> and <i>Babesia vulpes</i> )                                                                                                                                                                                                 | C-Babes-<br>Panel-2      | DNA |
| <b>Canine Full Screening</b><br>( <i>Leishmania</i> spp., <i>Ehrlichia</i> spp., <i>Hepatozoon</i> spp., <i>Mycoplasma haemofelis/haemocanis</i> , <i>Anaplasma</i> spp., <i>Brucella</i> spp., <i>Bartonella henselae</i> , <i>Dirofilaria immitis</i> and <i>Babesia</i> spp.) | Canine-Full-<br>Panel-9  | DNA |
| <b>Canine Mini Screening</b><br>(Babesiosis canina, <i>Anaplasma phagocytophilum</i> and <i>Ehrlichia</i> spp.)                                                                                                                                                                  | Canine-Mini-<br>Panel-3  | DNA |
| <b>Canine Standard Screening</b><br>( <i>Leishmania</i> spp., <i>Ehrlichia</i> spp., <i>Anaplasma</i> spp., <i>Brucella</i> spp., <i>Dirofilaria immitis</i> and <i>Babesia</i> spp.)                                                                                            | Canine-Std-<br>Panel-6   | DNA |
| <b>Caprine Mycoplasmas</b><br>( <i>Mycoplasma capricolum</i> , <i>Mycoplasma</i> spp. cluster 1 and <i>Mycoplasma ovipneumoniae</i> )                                                                                                                                            | Caprine-Mycp-<br>Panel-3 | DNA |
| <b>Capripoxvirus</b><br>(Sheeppox virus and Goatpox virus)                                                                                                                                                                                                                       | CPPV-Panel-2             | DNA |
| <b>Capripoxvirus</b><br>(Lumpy skin disease virus, Sheeppox virus and Goatpox virus)                                                                                                                                                                                             | CPPV-Panel-3             | DNA |
| <b>Cattle Abortion</b><br>( <i>Campylobacter fetus</i> subsp. <i>venerealis</i> , <i>Tritrichomonas foetus</i> and <i>Campylobacter fetus</i> )                                                                                                                                  | CT-Abortion-<br>Panel-3  | DNA |
| <b><i>Clostridium perfringens</i> Major Toxins</b><br>( <i>Clostridium perfringens</i> Beta and Epsilon toxins)                                                                                                                                                                  | CloPer-MjTx-<br>Panel-2  | DNA |
| <b><i>Clostridium perfringens</i> Major Toxins</b><br>( <i>Clostridium perfringens</i> Alpha, Beta and Epsilon toxins)                                                                                                                                                           | CloPer-MjTx-<br>Panel-3  | DNA |

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| <b><i>Clostridium perfringens</i> Major Toxins</b><br>( <i>Clostridium perfringens</i> Alpha, Beta, Epsilon and Iota toxins)                                                                                                               | CloPer-MjTx-<br>Panel-4        | DNA               |
| <b><i>Clostridium perfringens</i> Major Toxins</b><br>( <i>Clostridium perfringens</i> Alpha, Beta, Epsilon and Iota toxins)                                                                                                               | CloPer-MjTx-<br>Panel-4        | RNA<br>GeneExpres |
| <b>Equine Herpesviruses 1&amp;4</b><br>(Equine herpesvirus 1 and 4)                                                                                                                                                                        | Equi-HV-1&4-<br>Panel-2        | DNA               |
| <b>Equine Protozoos</b><br>( <i>Theileria equi</i> and <i>Babesia caballi</i> )                                                                                                                                                            | Equi-Prot-<br>Panel-2          | DNA               |
| <b><i>Escherichia coli</i> Virulence Fimbrial Genes</b><br>( <i>Escherichia coli</i> Fimbria F5 (K99), F17 and F41)                                                                                                                        | EscCol-VirFim-<br>Panel-3      | DNA               |
| <b><i>Escherichia coli</i> Virulence Genes</b><br>( <i>Escherichia coli</i> and virulence genes <i>iucC</i> , <i>tsh</i> , <i>cvi</i> , <i>iss</i> , <i>fimC</i> , <i>fyuA</i> , <i>iroN</i> , <i>ompT</i> , <i>hlyF</i> and <i>iutA</i> ) | EscCol-VirGen-<br>Panel-11     | DNA               |
| <b>Feline Standard Screening</b><br>( <i>Anaplasma phagocytophilum</i> , <i>Leishmania</i> spp., <i>Bartonella henselae</i> , Mycoplasmas Haemo Group and <i>Cytauxzoon</i> spp.)                                                          | Feline-Std-<br>Panel-5         | DNA               |
| <b>Feline Intracellular Infections C1</b><br>( <i>Mycoplasma</i> spp. cluster 1 and <i>Bartonella henselae</i> )                                                                                                                           | F-Intracel-C1-<br>Panel-2      | DNA               |
| <b>Feline Intracellular Infections HG</b><br>( <i>Bartonella henselae</i> and Mycoplasmas Haemo Group)                                                                                                                                     | F-Intracel-HG-<br>Panel-2      | DNA               |
| <b>Feline Multisystemic Pathogens</b><br>(Feline herpesvirus 1 and <i>Chlamydia felis</i> , <i>C. psittaci</i> , <i>C. abortus</i> )                                                                                                       | Feline-MP-<br>Panel-2          | DNA               |
| <b>Feline Retrovirus</b><br>(Feline immunodeficiency virus and Feline leukemia virus)                                                                                                                                                      | Feline-Retr-<br>Panel-2        | RNA               |
| <b>Feline Retrovirus proviral form</b><br>(Feline immunodeficiency provirus and Feline leukemia provirus)                                                                                                                                  | Feline-Retr-pv<br>-Panel-2     | DNA               |
| <b>Haemoparasitic Protozoan</b><br>( <i>Theileria</i> spp. and <i>Babesia</i> spp.)                                                                                                                                                        | Haemo-Prot-<br>Panel-2         | DNA               |
| <b>Haemotrophic Mycoplasmas</b><br>( <i>Mycoplasma haemofelis/haemocanis</i> , <i>Mycoplasma haemominutum</i> (Candidatus), <i>Mycoplasma turicensis</i> (Candidatus) and <i>Mycoplasma haematoparvum</i> (Candidatus))                    | Haemo-Mycp-<br>Panel-4         | DNA               |
| <b>Influenzavirus A Hemagglutinin 1&amp;3 and Neuraminidase 1&amp;2</b><br>(Avian influenza type A virus subtypes H1, H3, N1 and N2)                                                                                                       | AIAV-<br>H1,3&N1,2-<br>Panel-4 | RNA               |
| <b>Influenzavirus A Hemagglutinin 5 and Neuraminidase 1</b><br>(Avian influenza type A virus subtypes H5 and N1)                                                                                                                           | AIAV-H5N1-<br>Panel-2          | RNA               |

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| <b>Influenzavirus A Hemagglutinin 5 and Neuraminidase 2</b><br>(Avian influenza type A virus subtypes H5 and N2)                                                                                                                                                                                                                                                                                                             | AIAV-H5N2-<br>Panel-2          | RNA               |
| <b>Influenzavirus A Hemagglutinin 5 and Neuraminidase 9</b><br>(Avian influenza type A virus subtypes H5 and N9)                                                                                                                                                                                                                                                                                                             | AIAV-H5N9-<br>Panel-2          | RNA               |
| <b>Influenzavirus A Hemagglutinin 5,7&amp;9</b><br>(Avian influenza type A virus subtypes H5, H7 and H9)                                                                                                                                                                                                                                                                                                                     | AIAV-H5,7&9-<br>Panel-3        | RNA               |
| <b>Influenzavirus A Hemagglutinin 5,7&amp;9 and Neuraminidase 1</b><br>(Avian influenza type A virus subtypes H5, H7, H9 and N1)                                                                                                                                                                                                                                                                                             | AIAV-<br>H5,7,9&N1-<br>Panel-4 | RNA               |
| <b>Influenzavirus A Hemagglutinin 7 and Neuraminidase 2</b><br>(Avian influenza type A virus subtypes H7 and N2)                                                                                                                                                                                                                                                                                                             | AIAV-H7N2-<br>Panel-2          | RNA               |
| <b>Influenzavirus A Hemagglutinin 7 and Neuraminidase 9</b><br>(Avian influenza type A virus subtypes H7 and N9)                                                                                                                                                                                                                                                                                                             | AIAV-H7N9-<br>Panel-2          | RNA               |
| <b>Influenzavirus A Hemagglutinin 7&amp;9 and Neuraminidase 1</b><br>(Avian influenza type A virus subtypes H7, H9 and N1)                                                                                                                                                                                                                                                                                                   | AIAV-<br>H7,9&N1-<br>Panel-3   | RNA               |
| <b>Influenzavirus A Hemagglutinin 9 and Neuraminidase 2</b><br>(Avian influenza type A virus subtypes H9 and N2)                                                                                                                                                                                                                                                                                                             | AIAV-H9N2-<br>Panel-2          | RNA               |
| <b>Mycoplasmas Contagious Agalactia</b><br>( <i>Mycoplasma mycoides</i> , <i>M. agalactiae</i> , <i>M. capricolum</i> and <i>M. putrefaciens</i> )                                                                                                                                                                                                                                                                           | Myc-CA-Panel-<br>4             | DNA               |
| <b>Mycoplasmas Mycoides Cluster</b><br>( <i>Mycoplasma mycoides</i> , <i>M. capricolum</i> and <i>M. putrefaciens</i> )                                                                                                                                                                                                                                                                                                      | Myc-MC-<br>Panel-3             | DNA               |
| <b>Neonatal Porcine Diarrhoea</b><br>( <i>Escherichia coli</i> <i>toxA</i> , <i>eae</i> , <i>faeG</i> , <i>Clostridioides difficile</i> <i>tcdA</i> and <i>Clostridium perfringens</i> <i>cpa</i> , <i>cpb2</i> )                                                                                                                                                                                                            | NP-Diarrhoea-<br>Panel-6       | RNA<br>GeneExpres |
| <b>Neonatal Porcine Diarrhoea</b><br>( <i>Escherichia coli</i> <i>toxA</i> , <i>eae</i> , <i>faeG</i> , pHSTA, HSTB and <i>Clostridium perfringens</i> Beta, Epsilon, Beta2 toxins)                                                                                                                                                                                                                                          | NP-Diarrhoea-<br>Panel-8       | RNA<br>GeneExpres |
| <b>Newcastle disease virus classes 1 &amp; 2</b><br>(Newcastle disease virus class 1 and 2)                                                                                                                                                                                                                                                                                                                                  | NDV-1&2-<br>Panel-2            | RNA               |
| <b>Porcine Full Screening Pathogens DNA</b><br>(Porcine circovirus type 2, <i>Metamycoplasma hyosynoviae</i> , <i>Haemophilus parasuis</i> , <i>Mycoplasma hyorhinis</i> , <i>Pasteurella multocida</i> , <i>Mycoplasma hyopneumoniae</i> , Porcine circovirus type 3, <i>Actinobacillus pleuropneumoniae</i> Apx IV toxin, <i>Streptococcus suis</i> , <i>Bordetella bronchiseptica</i> and <i>Leptospira</i> “pathogenic”) | Porcine-Full-<br>DNA-Panel-11  | DNA               |
| <b>Porcine Mini Screening Pathogens RNA</b>                                                                                                                                                                                                                                                                                                                                                                                  | Porcine-Mini-<br>RNA-Panel-3   | RNA               |

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| (Porcine reproductive and respiratory syndrome virus type 1, Swine influenza type A virus (H1N1, H3N2 and H1N2) and Porcine reproductive and respiratory syndrome virus type 2)        |                             |                   |
| <b>Porcine Polyserositis</b><br>( <i>Haemophilus parasuis</i> , <i>Mycoplasma hyorhinis</i> and <i>Streptococcus suis</i> )                                                            | P-Polyserositis-<br>Panel-3 | DNA               |
| <b>Porcine Intestinal Pathogens</b><br>( <i>Brachyspira hyodysenteriae</i> , <i>Brachyspira pilosicoli</i> , <i>Brachyspira murdochii</i> and <i>Brachyspira intermedia</i> )          | P-Intestinal-<br>Panel-4    | DNA               |
| <b>Porcine Reproductive and Respiratory Syndrome</b><br>(Porcine reproductive and respiratory syndrome virus type 1 and 2)                                                             | PRRS-Panel-2                | RNA               |
| <b>Respiratory Diseases of Small Ruminants</b><br>( <i>Pasteurella multocida</i> , <i>Mannheimia haemolytica</i> , <i>Bibersteinia trehalosi</i> and <i>Mycoplasma ovipneumoniae</i> ) | RespiratoryD-<br>SR-Panel-4 | DNA               |
| <b>Respiratory Porcine Diseases</b><br>( <i>Metamycoplasma hyosynoviae</i> , <i>Haemophilus parasuis</i> and <i>Mycoplasma hyorhinis</i> )                                             | Respiratory-<br>PD-Panel-3  | DNA               |
| <b><i>Salmonella</i> Enteric Pathogens</b><br>( <i>Salmonella enterica</i> subsp. <i>enterica</i> serovars Typhimurium and Enteritidis)                                                | Sal-Enteric-<br>Panel-2     | DNA               |
| <b><i>Salmonella</i> Enteric Pathogens</b><br>( <i>Salmonella enterica</i> subsp. <i>enterica</i> serovars Typhimurium, Enteritidis and Infantis)                                      | Sal-Enteric-<br>Panel-3     | DNA               |
| <b>Small Ruminant Lentivirus</b><br>(Maedi-Visna virus and Caprine arthritis encephalitis virus)                                                                                       | SR-Lentivirus-<br>Panel-2   | RNA               |
| <b>Tick-Borne Hemoparasites</b><br>( <i>Ehrlichia</i> spp., <i>Anaplasma</i> spp. and <i>Babesia</i> spp.)                                                                             | Tick-Borne-<br>Panel-3      | DNA               |
| <b>Tick-Borne Hemoparasites</b><br>( <i>Anaplasma phagocytophilum</i> , <i>Ehrlichia</i> spp., <i>Borrelia burgdorferi</i> and <i>Babesia</i> spp.)                                    | Tick-Borne-<br>Panel-4      | DNA               |
| <b>Vector-Borne Pathogens</b><br>( <i>Leishmania</i> spp. and <i>Ehrlichia</i> spp.)                                                                                                   | Vec-Borne-<br>Panel-2       | DNA               |
| <b>Weaned Porcine Diarrhoea</b><br>( <i>Escherichia coli</i> <i>tox</i> A, <i>eae</i> , <i>fae</i> G and <i>fed</i> A)                                                                 | WP-Diarrhoea-<br>Panel-4    | RNA<br>GeneExpres |
| <b>Weaned Porcine Diarrhoea</b><br>( <i>Escherichia coli</i> <i>Stx</i> 2, <i>tox</i> A, <i>eae</i> , <i>fae</i> G and <i>fed</i> A)                                                   | WP-Diarrhoea-<br>Panel-5    | RNA<br>GeneExpres |
| <b>Weaned Porcine Diarrhoea</b><br>( <i>Escherichia coli</i> <i>Stx</i> 2, <i>tox</i> A, <i>eae</i> , <i>fae</i> G, <i>fed</i> A, pHSTA and HSTB)                                      | WP-Diarrhoea-<br>Panel-7    | RNA<br>GeneExpres |
| <b>Zoonotic Bacterial Diseases</b><br>( <i>Brucella</i> spp., <i>Bacillus anthracis</i> , <i>Francisella tularensis</i> and <i>Yersinia pestis</i> )                                   | Zoonotic-BD-<br>Panel-4     | DNA               |

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| Product                                                                                                                         | Catalogue Ref.      | Genome |
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| <b>Mycoplasmas Contagious Agalactia Panel</b><br><i>(Mycoplasma mycoides, M. agalactiae, M. capricolum and M. putrefaciens)</i> | Myc-CA-Panel-4      | DNA    |
| African swine fever virus                                                                                                       | ASFV                | DNA    |
| <i>Mycobacterium tuberculosis</i> complex                                                                                       | MTplex              | DNA    |
| <i>Salmonella enterica</i> subsp. <i>enterica</i> serovar Typhimurium and<br>Primun Salmonella T Duplex                         | SalTypm&PriSal-T-Dx | DNA    |

The GeneExpres format for messenger RNA (mRNA) detection is available

## Clinical

| Singleplex targets                           | Catalogue Ref. | Nº  | Genome |
|----------------------------------------------|----------------|-----|--------|
| <i>Acanthamoeba</i> spp.                     | AcaSpp         | 341 | DNA    |
| <i>Acinetobacter baumannii</i>               | AciBau         | 035 | DNA    |
| <i>Aeromonas</i> spp.                        | AerSpp         | 026 | DNA    |
| <i>Aggregatibacter actinomycetemcomitans</i> | AggAct         | 074 | DNA    |
| Alkhurma hemorrhagic fever virus             | AHFV           | 451 | RNA    |
| <i>Arcobacter</i> spp.                       | ArcSpp         | 120 | DNA    |
| <i>Aspergillus flavus</i>                    | AspFla         | 140 | DNA    |
| <i>Aspergillus fumigatus</i>                 | AspFum         | 139 | DNA    |
| <i>Aspergillus</i> spp.                      | AspSpp         | 036 | DNA    |
| Azole resistance cyp51A                      | AR-cyp51A      | 421 | DNA    |
| <i>Bacillus anthracis</i>                    | BacAnt         | 235 | DNA    |
| <i>Bacillus cereus</i>                       | BacCer         | 229 | DNA    |
| <i>Bacillus licheniformis</i>                | BacLic         | 335 | DNA    |
| <i>Bacteroides fragilis</i>                  | BacFra         | 246 | DNA    |
| <i>Bartonella henselae</i>                   | BarHen         | 248 | DNA    |
| <i>Bartonella</i> spp. cluster 1             | BarSpp-1       | 407 | DNA    |
| <i>Bifidobacterium</i> spp.                  | BifSpp         | 295 | DNA    |
| BK virus                                     | BKV            | 473 | DNA    |
| <i>Borrelia burgdorferi</i>                  | BorBur         | 212 | DNA    |
| <i>Borrelia</i> spp.                         | BorSpp         | 400 | DNA    |
| <i>Brachyspira pilosicoli</i>                | BraPil         | 174 | DNA    |
| <i>Brucella melitensis</i>                   | BruMel         | 448 | DNA    |
| <i>Brucella</i> spp.                         | BruSpp         | 217 | DNA    |
| <i>Campylobacter coli</i>                    | CamCol         | 122 | DNA    |
| <i>Campylobacter jejuni</i>                  | CamJei         | 057 | DNA    |
| <i>Campylobacter</i> spp.                    | CamSpp         | 170 | DNA    |
| <i>Candida albicans</i>                      | CanAlb         | 234 | DNA    |

|                                                         |              |     |     |
|---------------------------------------------------------|--------------|-----|-----|
| <i>Candida auris</i>                                    | CanAur       | 216 | DNA |
| Carbapenem resistance <i>blaOXA-23</i>                  | CR-blaOXA-23 | 422 | DNA |
| Carbapenem resistance <i>blaOXA-24</i>                  | CR-blaOXA-24 | 423 | DNA |
| Carbapenem resistance <i>blaOXA-58</i>                  | CR-blaOXA-58 | 424 | DNA |
| <i>Catonella</i> spp.                                   | CatSpp       | 351 | DNA |
| Cell-free human DNA                                     | cfhDNA       | 137 | DNA |
| Chikungunya virus                                       | CHIKV        | 440 | RNA |
| <i>Clostridioides difficile</i>                         | CloDif       | 371 | DNA |
| <i>Clostridioides difficile</i> Toxin B ( <i>tcdB</i> ) | CloDif-Btx   | 125 | DNA |
| <i>Clostridium novyi</i> Alpha toxin                    | CloNov-Alpha | 193 | DNA |
| <i>Clostridium perfringens</i>                          | CloPer       | 121 | DNA |
| <i>Clostridium perfringens</i> Alpha toxin              | CloPer-Alpha | 121 | DNA |
| <i>Clostridium</i> spp.                                 | CloSpp       | 231 | DNA |
| Colibactine toxin ( <i>pks</i> ) gene                   | Colib-Tx     | 499 | DNA |
| Crimean–Congo hemorrhagic fever virus                   | CCHFV        | 283 | RNA |
| <i>Cronobacter sakazakii</i>                            | CroSak       | 285 | DNA |
| <i>Cryptococcus neoformans/gattii</i>                   | CryNeoGat    | 338 | DNA |
| <i>Cryptosporidium</i> spp.                             | CrySpp       | 148 | DNA |
| Dengue virus                                            | DENV         | 409 | RNA |
| Dobrava-Belgrade virus                                  | DOBV         | 023 | RNA |
| Ebola virus                                             | EBOV         | 090 | RNA |
| <i>Echinococcus granulosus</i>                          | EchGra       | 504 | DNA |
| <i>Echinococcus multilocularis</i>                      | EchMul       | 505 | DNA |
| <i>Entamoeba gingivalis</i>                             | EntGin       | 355 | DNA |
| <i>Entamoeba</i> spp.                                   | EntbSpp      | 354 | DNA |
| <i>Enterococcus</i> spp.                                | EntSpp       | 232 | DNA |
| Enterovirus                                             | EV           | 489 | RNA |
| Epstein-Barr virus                                      | EBV          | 329 | DNA |
| <i>Erysipelothrix rhusiopathiae</i>                     | EryRhu       | 203 | DNA |
| <i>Escherichia coli</i> Intimine ( <i>eae</i> )         | EscCol-eae   | 197 | DNA |
| <i>Escherichia coli</i> LT ( <i>toxA</i> )              | EscCol-LT    | 196 | DNA |
| <i>Francisella tularensis</i>                           | FraTul       | 399 | DNA |
| <i>Fretibacterium</i> spp.                              | FreSpp       | 352 | DNA |
| <i>Fusobacterium nucleatum</i>                          | FusNuc       | 079 | DNA |

|                                             |           |     |     |
|---------------------------------------------|-----------|-----|-----|
| <i>Giardia intestinalis</i>                 | GiaInt    | 143 | DNA |
| <i>Giardia</i> spp.                         | GiaSpp    | 384 | DNA |
| <i>Helicobacter pylori</i>                  | HelPyl    | 175 | DNA |
| Hepatitis A virus                           | HAV       | 309 | RNA |
| Hepatitis B virus                           | HBV       | 088 | DNA |
| Hepatitis C virus                           | HCV       | 072 | RNA |
| Hepatitis delta virus                       | HDV       | 098 | RNA |
| Hepatitis E virus                           | HEV       | 055 | RNA |
| Herpes simplex virus 1                      | HSV-1     | 044 | DNA |
| Herpes simplex virus 2                      | HSV-2     | 044 | DNA |
| Human adenovirus 1                          | HAdV-1    | 472 | DNA |
| Human adenovirus F                          | HAdF      | 006 | DNA |
| Human adenovirus G                          | HAdG      | 343 | DNA |
| Human bocavirus 1                           | HBoV-1    | 292 | DNA |
| Human cytomegalovirus                       | HCMV      | 089 | DNA |
| Human herpesvirus 6                         | HHV-6     | 091 | DNA |
| Human immunodeficiency virus 1              | HIV-1     | 328 | RNA |
| Human immunodeficiency virus 2              | HIV-2     | 277 | RNA |
| Human Influenza type A virus                | HIAV      | 301 | RNA |
| Human Influenza type B virus                | HIBV      | 302 | RNA |
| Human Influenza type B virus <i>M1</i> gene | HIBV-M1   | 419 | RNA |
| Human metapneumovirus                       | HMPV      | 471 | RNA |
| Human parvovirus B19                        | HParV-B19 | 100 | DNA |
| Human respiratory syncytial virus A         | HRSV-A    | 339 | RNA |
| Human respiratory syncytial virus B         | HRSV-B    | 340 | RNA |
| Human T-lymphotropic virus type 1           | HTLV-1    | 059 | RNA |
| JC polyomavirus                             | JCPyV     | 386 | DNA |
| <i>Kingella kingae</i>                      | KinKin    | 434 | DNA |
| <i>Klebsiella pneumoniae</i>                | KlePne    | 182 | DNA |
| <i>Leptospira interrogans</i>               | LepInt    | 176 | DNA |
| <i>Leptospira</i> "pathogenic"              | Lep-PAT   | 442 | DNA |
| <i>Leptospira</i> spp.                      | LepSpp    | 005 | DNA |
| Mayaro virus                                | MAYV      | 464 | RNA |
| Measles morbillivirus                       | MeV       | 410 | RNA |

|                                                                       |                |     |     |
|-----------------------------------------------------------------------|----------------|-----|-----|
| Methicillin resistance gene                                           | MRG            | 019 | DNA |
| <i>Microsporum canis</i> complex                                      | MCplex         | 481 | DNA |
| Monkeypox virus                                                       | MPXV           | 345 | DNA |
| Monkeypox virus clade 1b                                              | MPXV-1b        | 460 | DNA |
| Monocopy cell-free human DNA                                          | mono-cfhDNA    | 136 | DNA |
| <i>Mycobacterium abscessus</i>                                        | MycbAbs        | 349 | DNA |
| <i>Mycobacterium intracellulare</i> subsp. <i>chimaera</i>            | MycbIntChi     | 350 | DNA |
| <i>Mycobacterium leprae</i>                                           | MycbLep        | 163 | DNA |
| <i>Mycobacterium sensu stricto</i>                                    | MycbSStr       | 347 | DNA |
| <i>Mycobacterium</i> spp.                                             | MycbSpp        | 238 | DNA |
| <i>Mycobacterium tuberculosis</i> complex                             | MTplex         | 015 | DNA |
| <i>Mycoplasma pneumoniae</i>                                          | MycPne         | 262 | DNA |
| <i>Mycoplasma</i> spp. cluster 1                                      | MycpSpp-1      | 237 | DNA |
| <i>Neisseria gonorrhoeae</i>                                          | NeiGon         | 342 | DNA |
| <i>Neoehrlichia mikurensis</i> (Candidatus)                           | NeoMik         | 404 | DNA |
| Nipah virus                                                           | NiV            | 259 | RNA |
| Norovirus genogroup 1                                                 | NoV-G1         | 483 | RNA |
| Norovirus genogroup 2                                                 | NoV-G2         | 484 | RNA |
| Oropouche virus                                                       | OROV           | 457 | RNA |
| <i>Plasmodium</i> spp.                                                | PlaSpp         | 314 | DNA |
| Poliovirus                                                            | PV             | 488 | RNA |
| <i>Porphyromonas gingivalis</i>                                       | PorGin         | 075 | DNA |
| <i>Prevotella intermedia</i>                                          | PreInt         | 076 | DNA |
| <i>Prevotella-Alloprevotella</i> spp.                                 | Pre-All        | 344 | DNA |
| <i>Pseudomonas aeruginosa</i>                                         | PseAer         | 081 | DNA |
| Puumala virus                                                         | PUUV           | 022 | RNA |
| Rotavirus type A                                                      | RVA            | 155 | RNA |
| <i>Rothia mucilaginosa</i> , <i>R. dentocariosa</i> , <i>R. aeria</i> | Rot3Sp         | 356 | DNA |
| Rubella virus                                                         | RuV            | 261 | RNA |
| <i>Ruminococcus gnavus</i>                                            | RumGna         | 346 | DNA |
| <i>Sarcoptes</i> spp.                                                 | SarSpp         | 478 | DNA |
| Severe acute respiratory syndrome coronavirus                         | SARS-CoV       | 298 | RNA |
| Severe acute respiratory syndrome coronavirus 2 <i>E</i> gene         | SARS-CoV-2-E   | 326 | RNA |
| Severe acute respiratory syndrome coronavirus 2 <i>IP4</i> gene       | SARS-CoV-2-IP4 | 305 | RNA |

|                                                                |                    |     |     |
|----------------------------------------------------------------|--------------------|-----|-----|
| Severe acute respiratory syndrome coronavirus 2 <i>N1</i> gene | SARS-CoV-2-N1      | 325 | RNA |
| Severe acute respiratory syndrome coronavirus 2 <i>N2</i> gene | SARS-CoV-2-N2      | 306 | RNA |
| <i>Staphylococcus aureus</i>                                   | StaAur             | 020 | DNA |
| <i>Staphylococcus epidermidis</i>                              | StaEpi             | 151 | DNA |
| <i>Streptococcus agalactiae</i>                                | StrAga             | 228 | DNA |
| <i>Streptococcus pyogenes</i>                                  | StrPyo             | 406 | DNA |
| <i>Streptococcus</i> spp.                                      | StrSpp             | 233 | DNA |
| <i>Tannerella forsythia</i>                                    | TanFor             | 077 | DNA |
| Tick-borne encephalitis virus (related)                        | TBEV-rel           | 405 | RNA |
| <i>Toxoplasma gondii</i>                                       | ToxGon             | 171 | DNA |
| <i>Treponema denticola</i>                                     | TreDen             | 078 | DNA |
| <i>Treponema pallidum</i>                                      | TrePal             | 364 | DNA |
| <i>Trichomonas</i> spp.                                        | TriSpp             | 348 | DNA |
| <i>Trichomonas tenax</i>                                       | TriTen             | 362 | DNA |
| <i>Trichomonas vaginalis</i>                                   | TriVag             | 209 | DNA |
| <i>Trichophyton</i> spp.                                       | TripSpp            | 477 | DNA |
| <i>Trypanosoma</i> spp.                                        | TrySpp             | 226 | DNA |
| UK-variant B.1.1.7 SARS-CoV-2                                  | SARS-CoV-2 B.1.1.7 | 304 | RNA |
| <i>Ureaplasma urealyticum</i>                                  | UreUre             | 118 | DNA |
| Vancomycin resistance <i>vanA</i>                              | VR-vanA            | 402 | DNA |
| Vancomycin resistance <i>vanB</i>                              | VR-vanB            | 403 | DNA |
| <i>Vibrio cholerae</i>                                         | VibCho             | 049 | DNA |
| <i>Vibrio cholerae</i> Toxin                                   | VibChoTx           | 024 | DNA |
| <i>Vibrio parahaemolyticus</i>                                 | VibPar             | 050 | DNA |
| <i>Vibrio</i> spp.                                             | VibSpp             | 177 | DNA |
| West Nile virus                                                | WNV                | 145 | RNA |
| Yellow fever virus                                             | YFV                | 450 | RNA |
| <i>Yersinia enterocolitica</i>                                 | YerEnt             | 437 | DNA |
| <i>Yersinia pestis</i>                                         | YerPes             | 463 | DNA |
| <i>Yersinia</i> spp.                                           | YesSpp             | 470 | DNA |
| Zika virus                                                     | ZIKV               | 144 | RNA |

| Duplex/ Triplex/Multiplex targets                                                       | Catalogue Ref.         | Nº     | Genome |
|-----------------------------------------------------------------------------------------|------------------------|--------|--------|
| Human Influenza type A and B virus                                                      | HIAV&HIBV-Dx           | 009 Dx | RNA    |
| Monkeypox virus & clade 1b                                                              | MPXV&clade1b-Dx        | 018 Dx | DNA    |
| Severe acute respiratory syndrome coronavirus 2 & Human respiratory syncytial virus A/B | SARS-CoV-2&HRSV-A/B-Dx | 008 Dx | RNA    |
| Human Viral Respiratory Diseases                                                        | HVRD-Mx                | 006 Mx | RNA    |

| Panel name & targets                                                                                                                                       | Catalogue Ref.             | Genome |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--------|
| <b>CoVID-19 N1&amp;E</b><br>(SARS-CoV-2 target genes N1 and E)                                                                                             | CoVID-19<br>N1&E-Panel-2   | RNA    |
| <b>Human Herpes Simplex Viruses 1 &amp; 2</b><br>(Herpes simplex virus 1 and 2)                                                                            | HSV-1&2-<br>Panel-2        | DNA    |
| <b>Human Severe Respiratory Viruses</b><br>(Severe acute respiratory syndrome coronavirus 1 and 2)                                                         | HS-Respiratory-<br>Panel-2 | RNA    |
| <b>Human Viral Respiratory Diseases</b><br>(CoVID-19, Human influenza type A and B virus, and Human respiratory syncytial virus A/B)                       | HVRD-Panel-4               | RNA    |
| <b>Human Viral Respiratory Diseases</b><br>(CoVID-19, Human influenza type A and B virus, Human respiratory syncytial virus A/B and Human metapneumovirus) | HVRD-Panel-5               | RNA    |
| <b>Methicillin resistant <i>Staphylococcus aureus</i></b><br>( <i>Staphylococcus aureus</i> and Methicillin resistance gene)                               | MRSA-Panel-2               | DNA    |
| <b>Norovirus genogroups 1 &amp; 2</b><br>(Norovirus genogroup 1 and 2)                                                                                     | NV-G1&2 -<br>Panel-2       | RNA    |
| <b>Zoonotic Bacterial Diseases</b><br>( <i>Brucella</i> spp., <i>Bacillus anthracis</i> , <i>Francisella tularensis</i> and <i>Yersinia pestis</i> )       | Zoonotic-BD-<br>Panel-4    | DNA    |



## CE / IVD

| Target                                    | Catalogue Ref.    | N°     | Genome |
|-------------------------------------------|-------------------|--------|--------|
| CoVID-19                                  | CoVID-19          | 297    | RNA    |
| <i>Mycobacterium tuberculosis</i> complex | MTplex            | 015    | DNA    |
| CoVID-19 N/S Duplex                       | CoVID-19 N/S - Dx | 005 Dx | RNA    |

The GeneExpres format for messenger RNA (mRNA) detection is available.

# Plants

| Singleplex targets                | Catalogue Ref. | Nº  | Genome |
|-----------------------------------|----------------|-----|--------|
| <i>Alternaria alternata</i>       | AltAlt         | 251 | DNA    |
| <i>Alternaria cucumerina</i>      | AltCuc         | 253 | DNA    |
| <i>Aspergillus niger</i>          | AspNig         | 141 | DNA    |
| <i>Bacillus amyloliquefaciens</i> | BacAmy         | 097 | DNA    |
| <i>Botrytis</i> spp.              | BotSpp         | 493 | DNA    |
| Citrus exocortis viroid           | CEVd           | 113 | RNA    |
| Citrus psorosis virus phylotype 1 | CPsV-ph1       | 115 | RNA    |
| Citrus psorosis virus phylotype 2 | CPsV-ph2       | 115 | RNA    |
| Citrus tristeza virus             | CTV            | 114 | RNA    |
| <i>Clavibacter</i> spp.           | ClaSpp         | 256 | DNA    |
| <i>Fusarium oxysporum</i> complex | FOplex         | 252 | DNA    |
| Hop latent viroid                 | HpLVd          | 482 | RNA    |
| <i>Monilinia fructicola</i>       | MonFru         | 288 | DNA    |
| <i>Monilinia fructigena</i>       | MonFrg         | 290 | DNA    |
| <i>Monilinia laxa</i>             | MonLax         | 289 | DNA    |
| <i>Monilinia polystroma</i>       | MonPol         | 291 | DNA    |
| <i>Peronospora destructor</i>     | PerDes         | 494 | DNA    |
| <i>Phytophthora infestans</i>     | PhyInf         | 254 | DNA    |
| <i>Pseudomonas aeruginosa</i>     | PseAer         | 081 | DNA    |
| <i>Pseudomonas syringae</i>       | PseSyr         | 257 | DNA    |
| <i>Ralstonia solanacearum</i>     | RalSol         | 286 | DNA    |
| <i>Spiroplasma citri</i>          | SpiCit         | 106 | DNA    |
| <i>Verticillium dahliae</i>       | VerDah         | 255 | DNA    |
| <i>Xanthomonas campestris</i>     | XanCam         | 250 | DNA    |
| <i>Xylella fastidiosa</i>         | XylFas         | 287 | DNA    |

| Panel name & targets                                                                                                                               | Catalogue Ref.       | Genome |
|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------|
| Citrus Psorosis Phylotypes<br>(Citrus psorosis virus 1 and 2)                                                                                      | CPSV-1&2-<br>Panel-2 | RNA    |
| <i>Monilinia</i> Brown Rot<br>( <i>Monilina fructicola</i> , <i>Monilinia laxa</i> , <i>Monilinia fructigena</i> and <i>Monilinia polystroma</i> ) | Mon-BR-<br>Panel-4   | DNA    |

The GeneExpres format for messenger RNA (mRNA) detection is available.

## Food, water & environment

| Singleplex targets                                      | Catalogue Ref. | N°  | Genome |
|---------------------------------------------------------|----------------|-----|--------|
| <i>Aeromonas</i> spp.                                   | AerSpp         | 026 | DNA    |
| <i>Alicyclobacillus acidoterrestris</i>                 | AliAci         | 187 | DNA    |
| <i>Arcobacter</i> spp.                                  | ArcSpp         | 120 | DNA    |
| <i>Aspergillus flavus</i>                               | AspFla         | 140 | DNA    |
| <i>Aspergillus fumigatus</i>                            | AspFum         | 139 | DNA    |
| <i>Aspergillus</i> spp.                                 | AspSpp         | 036 | DNA    |
| Azole resistance cyp51A                                 | AR-cyp51A      | 421 | DNA    |
| <i>Bifidobacterium</i> spp.                             | BifSpp         | 295 | DNA    |
| Carbapenem resistance blaOXA-23                         | CR-blaOXA-23   | 422 | DNA    |
| Carbapenem resistance blaOXA-24                         | CR-blaOXA-24   | 423 | DNA    |
| Carbapenem resistance blaOXA-58                         | CR-blaOXA-58   | 424 | DNA    |
| <i>Clostridioides difficile</i> Toxin A ( <i>tcdA</i> ) | CloDif-Atx     | 195 | DNA    |
| <i>Clostridioides difficile</i> Toxin B ( <i>tcdB</i> ) | CloDif-Btx     | 125 | DNA    |
| <i>Clostridium novyi</i> Alpha toxin                    | CloNov-Alpha   | 193 | DNA    |
| <i>Clostridium perfringens</i> Alpha toxin              | CloPer-Alpha   | 121 | DNA    |
| <i>Clostridium perfringens</i> Beta toxin               | CloPer-Beta    | 129 | DNA    |
| <i>Clostridium perfringens</i> Beta2 toxin              | CloPer-Beta2   | 194 | DNA    |
| <i>Clostridium perfringens</i> Epsilon toxin            | CloPer-Epsilon | 130 | DNA    |
| <i>Clostridium perfringens</i> Iota toxin               | CloPer-Iota    | 131 | DNA    |
| <i>Coxiella burnetii</i>                                | CoxBur         | 416 | DNA    |
| <i>Dreissena polymorpha</i>                             | DrePol         | 249 | DNA    |
| Equine                                                  | Equine         | 096 | DNA    |
| <i>Escherichia coli</i>                                 | EscCol         | 058 | DNA    |
| <i>Escherichia coli</i> cv1                             | EscCol-cv1     | 117 | DNA    |
| <i>Escherichia coli</i> F4 ( <i>faeG</i> )              | EscCol-F4      | 198 | DNA    |
| <i>Escherichia coli</i> F18 ( <i>fedA</i> )             | EscCol-F18     | 199 | DNA    |
| <i>Escherichia coli</i> Fimbria F5 ( <i>K99</i> )       | EscCol-F5      | 271 | DNA    |
| <i>Escherichia coli</i> Fimbria F17                     | EscCol-F17     | 272 | DNA    |

|                                                                       |               |     |     |
|-----------------------------------------------------------------------|---------------|-----|-----|
| <i>Escherichia coli</i> Fimbria F41                                   | EscCol-F41    | 273 | DNA |
| <i>Escherichia coli</i> <i>fimC</i>                                   | EscCol-fimC   | 117 | DNA |
| <i>Escherichia coli</i> <i>fyuA</i>                                   | EscCol-fyuA   | 117 | DNA |
| <i>Escherichia coli</i> <i>hlyF</i>                                   | EscCol-hlyF   | 117 | DNA |
| <i>Escherichia coli</i> Intimine ( <i>eae</i> )                       | EscCol-eae    | 197 | DNA |
| <i>Escherichia coli</i> <i>iroN</i>                                   | EscCol-iroN   | 117 | DNA |
| <i>Escherichia coli</i> <i>iss</i>                                    | EscCol-iss    | 117 | DNA |
| <i>Escherichia coli</i> <i>iucC</i>                                   | EscCol-iucC   | 117 | DNA |
| <i>Escherichia coli</i> <i>iutA</i>                                   | EscCol-iutA   | 117 | DNA |
| <i>Escherichia coli</i> LT ( <i>toxA</i> )                            | EscCol-LT     | 196 | DNA |
| <i>Escherichia coli</i> <i>ompT</i>                                   | EscCol-ompT   | 117 | DNA |
| <i>Escherichia coli</i> O157:H7                                       | ECO157        | 025 | DNA |
| <i>Escherichia coli</i> Shiga toxin 1                                 | EscCol-Stx1   | 167 | DNA |
| <i>Escherichia coli</i> Shiga toxin 2                                 | EscCol-Stx2   | 168 | DNA |
| <i>Escherichia coli</i> <i>tsh</i>                                    | EscCol-tsh    | 117 | DNA |
| Gluten                                                                | Gluten        | 296 | DNA |
| <i>Legionella pneumophila</i>                                         | LegPne        | 054 | DNA |
| <i>Legionella pneumophila</i> serotype 1                              | LegPne-1      | 412 | DNA |
| <i>Legionella</i> spp.                                                | LegSpp        | 002 | DNA |
| <i>Listeria innocua</i>                                               | LisInn        | 223 | DNA |
| <i>Listeria monocytogenes</i>                                         | LisMon        | 004 | DNA |
| Mammals                                                               | Mammals       | 095 | DNA |
| Microcystine toxin gene <i>mcvB</i>                                   | mcvB-tox      | 373 | DNA |
| Microcystine toxin gene <i>mcvE</i>                                   | mcvE-tox      | 374 | DNA |
| MON810                                                                | MON810        | 063 | DNA |
| Norovirus genogroup 1                                                 | NoV-G1        | 483 | RNA |
| Norovirus genogroup 2                                                 | NoV-G2        | 484 | RNA |
| <i>Salmonella enterica</i> subsp. <i>enterica</i> serovar Enteritidis | SalTidis      | 337 | DNA |
| <i>Salmonella enterica</i> subsp. <i>enterica</i> serovar Infantis    | SalInfan      | 455 | DNA |
| <i>Salmonella enterica</i> subsp. <i>enterica</i> serovar Paratyphi A | SalPar-A      | 108 | DNA |
| <i>Salmonella enterica</i> subsp. <i>enterica</i> serovar Typhimurium | SalTypm       | 247 | DNA |
| <i>Salmonella</i> spp.                                                | SalSpp        | 003 | DNA |
| Severe acute respiratory syndrome coronavirus 2 <i>E</i> gene         | SARS-CoV-2-E  | 326 | RNA |
| Severe acute respiratory syndrome coronavirus 2 <i>N1</i> gene        | SARS-CoV-2-N1 | 325 | RNA |

|                                                                |               |     |     |
|----------------------------------------------------------------|---------------|-----|-----|
| Severe acute respiratory syndrome coronavirus 2 <i>N2</i> gene | SARS-CoV-2-N2 | 306 | RNA |
| <i>Shigella</i> spp.                                           | ShiSpp        | 236 | DNA |
| <i>Tetragenococcus muriaticus</i>                              | TetMur        | 401 | DNA |
| Total Bacteria DNA                                             | TBD           | 034 | DNA |
| <i>Yersinia enterocolitica</i>                                 | YerEnt        | 437 | DNA |

| Duplex/Triplex/Multiplex targets                                                                                               | Catalogue Ref.         | Nº     | Genome |
|--------------------------------------------------------------------------------------------------------------------------------|------------------------|--------|--------|
| <i>Listeria monocytogenes</i> & <i>Salmonella</i> spp.                                                                         | LisMon&SalSpp-Dx       | 011 Dx | DNA    |
| Maize & 35S                                                                                                                    | Maize&35S-Dx           | 001 Dx | DNA    |
| Severe acute respiratory syndrome coronavirus 2 & Human respiratory syncytial virus A/B                                        | SARS-CoV-2&HRSV-A/B-Dx | 008 Dx | RNA    |
| Soy & 35S                                                                                                                      | Soy&35S-Dx             | 002 Dx | DNA    |
| Enterohemorrhagic <i>Escherichia coli</i><br>( <i>Escherichia coli</i> Shiga toxin 1, Shiga toxin 2 & Intimine ( <i>eae</i> )) | EHEC-Tx                | 020Tx  | DNA    |

| Panel name & targets                                                                                                                                                                                                                       | Catalogue Ref.         | Genome |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------|
| <b><i>Clotridioides difficile</i> Toxins</b><br>( <i>Clostridioides difficile</i> Toxin A and B)                                                                                                                                           | CloDif-Tx              | DNA    |
| <b>Cyanotoxin Genes</b><br>(Microcystine toxin genes <i>mcyB</i> and <i>mcyE</i> )                                                                                                                                                         | CyaTx-Genes-Panel-2    | DNA    |
| <b><i>Escherichia coli</i> Virulence Fimbrial Genes</b><br>( <i>Escherichia coli</i> Fimbria F5 (K99), F17 and F41)                                                                                                                        | EscCol-VirFim-Panel-3  | DNA    |
| <b><i>Escherichia coli</i> Virulence Genes</b><br>( <i>Escherichia coli</i> and virulence genes <i>iucC</i> , <i>tsh</i> , <i>cvi</i> , <i>iss</i> , <i>fimC</i> , <i>fyuA</i> , <i>iroN</i> , <i>ompT</i> , <i>hlyF</i> and <i>iutA</i> ) | EscCol-VirGen-Panel-11 | DNA    |
| <b>Food Pathogens</b><br>( <i>Salmonella</i> spp. and <i>Listeria monocytogenes</i> )                                                                                                                                                      | Food-Path-Panel-2      | DNA    |
| <b>Foodborne Poisoning</b><br>( <i>Salmonella</i> spp., <i>Listeria monocytogenes</i> and <i>Escherichia coli</i> Shiga toxin 1 and 2)                                                                                                     | Fb-Poisoning-Panel-4   | DNA    |
| <b>Foodborne Poisoning</b><br>( <i>Salmonella</i> spp., <i>Listeria monocytogenes</i> , Shiga toxin 1, Shiga toxin 2 and <i>eae</i> gene from <i>Escherichia coli</i> )                                                                    | Fb-Poisoning-Panel-5   | DNA    |

|                                                                                                                                                      |                           |     |
|------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----|
| <b>Norovirus genogroups 1 &amp; 2</b><br>(Norovirus genogroup 1 and 2)                                                                               | NV-G1&2-<br>Panel-2       | RNA |
| <b>One-Day Food Testing</b><br>( <i>Salmonella</i> spp., <i>Listeria monocytogenes</i> , <i>Escherichia coli</i> Shiga toxin 1 and 2)                | ODFT                      | DNA |
| <b>SARS-CoV-2 Environment</b><br>(Severe acute respiratory syndrome coronavirus 2 <i>N2</i> and <i>IP4</i> gene)                                     | SARS-CoV-2<br>ENV-Panel-2 | RNA |
| <b>Zoonotic Bacterial Diseases</b><br>( <i>Brucella</i> spp., <i>Bacillus anthracis</i> , <i>Francisella tularensis</i> and <i>Yersinia pestis</i> ) | Zoonotic-BD-<br>Panel-4   | DNA |

The GeneExpres format for messenger RNA (mRNA) detection is available.

## End-point PCR kits

| Target                                              | Catalogue Ref. | Nº  | Genome |
|-----------------------------------------------------|----------------|-----|--------|
| <i>Anaplasma</i> spp.                               | AnaSpp         | 035 | DNA    |
| Anatid alphaherpesvirus 1                           | AHV-1          | 051 | DNA    |
| Avian leukosis virus                                | ALV            | 052 | RNA    |
| Beak and feather disease virus                      | BFDV           | 016 | DNA    |
| BirdSex                                             | BirdSex        | 001 | DNA    |
| <i>Brucella</i> spp.                                | BruSpp         | 031 | DNA    |
| <i>Campylobacter fetus</i> subsp. <i>venerealis</i> | CamFetVen      | 050 | DNA    |
| <i>Campylobacter jejuni</i>                         | CamJej         | 045 | DNA    |
| Canine and feline parvoviruses                      | CPV-2-FPLV     | 021 | DNA    |
| Canine distemper virus                              | CDV            | 009 | RNA    |
| <i>Chlamydia psittaci</i>                           | ChlPsi         | 006 | DNA    |
| <i>Coxiella burnetii</i>                            | CoxBur         | 048 | DNA    |
| Crimean–Congo hemorrhagic fever virus               | CCHFV          | 054 | RNA    |
| Duck hepatitis A virus type 1                       | DHAV-1         | 014 | RNA    |
| <i>Ehrlichia</i> spp.                               | EhrSpp         | 018 | DNA    |
| Equine herpesvirus 1                                | EHV-1          | 046 | DNA    |
| Equine herpesvirus 4                                | EHV-4          | 024 | DNA    |
| <i>Escherichia coli</i>                             | EscCol         | 047 | DNA    |
| Falco sexing                                        | FalSex         | 027 | DNA    |
| Feline calicivirus                                  | FCV            | 019 | RNA    |
| Feline coronavirus                                  | FCoV           | 020 | RNA    |
| Feline immunodeficiency virus                       | FIV            | 043 | RNA    |
| Feline leukemia virus                               | FeLV           | 039 | RNA    |

|                                                                  |             |     |     |
|------------------------------------------------------------------|-------------|-----|-----|
| Feline leukemia provirus                                         | FeLVp       | 039 | DNA |
| Foot-and-mouth disease virus                                     | FMDV        | 033 | RNA |
| <i>Francisella tularensis</i>                                    | FraTul      | 040 | DNA |
| <i>Francisella tularensis</i> subspecies                         | FraTulSubsp | 041 | DNA |
| <i>Francisella tularensis</i> pilA virulence                     | FraTul-pilA | 042 | DNA |
| Gallid herpesvirus 2                                             | GaHV-2      | 015 | DNA |
| <i>Leishmania infantum</i> ( <i>Leishmania donovani</i> complex) | Leilnf      | 017 | DNA |
| <i>Leptospira</i> spp.                                           | LepSpp      | 028 | DNA |
| <i>Mycoplasma haemofelis/haemocanis</i>                          | MycHae      | 037 | DNA |
| <i>Neospora</i> spp.                                             | NeoSpp      | 038 | DNA |
| <i>Ornithobacterium rhinotracheale</i>                           | OrnRhi      | 044 | DNA |
| OstrichSex                                                       | OstSex      | 004 | DNA |
| Porcine reproductive and respiratory syndrome virus type 2       | PRRSV-2     | 012 | RNA |
| <i>Rickettsia</i> spp.                                           | RicSpp      | 007 | DNA |
| <i>Riemerella anatipestifer</i>                                  | RieAna      | 029 | DNA |
| Rift valley fever virus                                          | RVFV        | 032 | RNA |
| <i>Taylorella equigenitalis</i>                                  | TayEqu      | 025 | DNA |
| <i>Toxoplasma gondii</i>                                         | ToxGon      | 026 | DNA |
| <i>Treponema pallidum</i>                                        | TrePal      | 049 | DNA |
| <i>Trypanosoma equiperdum</i>                                    | TryEqu      | 023 | DNA |
| Vesicular stomatitis virus                                       | VSV         | 022 | RNA |
| <i>Vibrio</i> spp.                                               | VibSpp      | 036 | DNA |

## Sampling kits

| Product                                    | Catalogue Ref.     |
|--------------------------------------------|--------------------|
| GPSponge® - KIT for environmental sampling | GPSponge®-3006.001 |
| GPStool® - KIT for fecal sampling          | GPStool®-3007.001  |

# Extraction kits

| Product                                                                | Catalogue Ref.  |
|------------------------------------------------------------------------|-----------------|
| <b>DNA Extraction Kits</b>                                             |                 |
| GPSpin Tissue DNA Extraction Kit (100 cols.)                           | GPSpin-0201.100 |
| GPSpin Blood DNA Extraction Kit (100 cols.)                            | GPSpin-0202.100 |
| GPSpin microDNA Extraction Kit (100 cols.)                             | GPSpin-0203.100 |
| GPSpin Bacterial DNA Extraction Kit (100 cols.)                        | GPSpin-0204.100 |
| GPSpin Food and Stool DNA Extraction Kit (100 cols.)                   | GPSpin-0205.100 |
| GPSpin Plant DNA Extraction Kit (100 cols.)                            | GPSpin-0206.100 |
| GPSpin Microbial DNA Extraction Kit (100 cols.)                        | GPSpin-0207.100 |
| GPSpin Microbiome Fecal DNA Extraction Kit (100 cols.)                 | GPSpin-0208.100 |
| GPSpin Microbiome Soil DNA Extraction Kit (100 cols.)                  | GPSpin-0209.100 |
| <b>RNA Extraction Kits</b>                                             |                 |
| GPSpin Plant RNA Extraction Kit (100 cols.)                            | GPSpin-0302.100 |
| GPSpin Bacterial RNA Extraction Kit (100 cols.)                        | GPSpin-0303.100 |
| GPSpin Tissue RNA Extraction Kit (100 cols.)                           | GPSpin-0304.100 |
| <b>Viral Extraction Kits</b>                                           |                 |
| GPSpin Viral DNA/RNA Extraction Kit (100 cols.)                        | GPSpin-0501.100 |
| GPSpin Viral RNA Extraction Kit (100 cols.)                            | GPSpin-0502.100 |
| <b>DNA/RNA Extraction Kits</b>                                         |                 |
| GPSpin DNA/RNA Extraction Kit (100 cols.)                              | GPSpin-0401.100 |
| <b>Plasmid DNA Extraction Kits</b>                                     |                 |
| GPSpin PLASMID Miniprep "Sequencing grade" kit (100 cols.)             | GPSpin-0702.100 |
| GPSpin PLASMID Miniprep "Transfection grade" kit (100 cols.)           | GPSpin-0703.100 |
| GPSpin PLASMID Midiprep kit (25 cols.)                                 | GPSpin-0704.25  |
| GPSpin PLASMID Maxiprep kit (10 cols.)                                 | GPSpin-0705.10  |
| <b>DNA Fragments Extraction Kits</b>                                   |                 |
| GPSpin PCR Kit (100 cols.)                                             | GPSpin-0101.100 |
| GPSpin Gel/PCR Kit (100 cols.)                                         | GPSpin-0102.100 |
| <b>Other products</b>                                                  |                 |
| GPSpin Swabs (DNA free, without cotton)                                | GPSpin-0601.01  |
| GPSpin Sample Collection Kit (100 units) (swabs+preservation solution) | GPSpin-0603.100 |





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