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|------------|--------------|
| Company | Veterinarian |
| Mail | Reference |
| Phone | Farm code |
| Invoice to | Origin |

| Category: | Age: | Process: | Sample: [] pool [] individual analysis |
|--|--|--|--|
| <input type="checkbox"/> 07 Fighting bulls | <input type="checkbox"/> 02 Rearing/Gilt | <input type="checkbox"/> 01 Abortion | <input type="checkbox"/> 01 Environmental sample |
| <input type="checkbox"/> 08 Milk intensive farming | <input type="checkbox"/> 04 Breeders | <input type="checkbox"/> 02 Joint disease | <input type="checkbox"/> 10 Organs |
| <input type="checkbox"/> 09 Milk extensive farming | <input type="checkbox"/> 05 Suckling (days) | <input type="checkbox"/> 03 Sudden death | <input type="checkbox"/> 02 Animals |
| <input type="checkbox"/> 10 Meat intensive farming | <input type="checkbox"/> 08 Fattening (week/month/year) | <input type="checkbox"/> 04 Health control | <input type="checkbox"/> 11 Urines |
| <input type="checkbox"/> 11 Meat extensive farming | <input type="checkbox"/> 09 Replacement | <input type="checkbox"/> 05 Cutaneous | <input type="checkbox"/> 03 Foetus (days gestation) |
| | <input type="checkbox"/> 11 Adults | <input type="checkbox"/> 06 Digestive | <input type="checkbox"/> 12 Ocular |
| | | <input type="checkbox"/> 07 Infertility | <input type="checkbox"/> 13 Foot disease |
| | | | <input type="checkbox"/> 14 Reproductive |
| | | | <input type="checkbox"/> 15 Respiratory |
| | | | <input type="checkbox"/> 16 Systemic disease |
| | | | <input type="checkbox"/> 07 Lavages |
| | | | <input type="checkbox"/> 08 Milks |
| | | | <input type="checkbox"/> 13 Scrapings |
| | | | <input type="checkbox"/> 14 Bloods |
| | | | <input type="checkbox"/> 16 Sera |
| | | | <input type="checkbox"/> 18 Liquids/Exudates |

Medical history

Diagnostic Panels

- Coccidia PCR**: Eimeria bovis, Eimeria zuernii, Eimeria alabamensis
- Adult digestive Coprology**: Coprology (fecal flotation & sedimentation); PCR: Paratuberculosis, Bovine Coronavirus , Salmonella sp., C. perfringens
- Digestive (calf) Microbiology**: Microbiology (up to 5 samples + 2 ATB); PCR: Rotavirus A, Bovine Coronavirus , Pestivirus, Bovine Torovirus, Norovirus genotype 3, Nebovirus, Clostridium perfringens - Toxins, Salmonella sp., Escherichia coli - Virulence factors, Cryptosporidium parvum, Eimeria sp.
- Abortion PCR**: Pathogenic Leptospira, Coxiella burnetii, Chlamydia abortus, Histophilus somni, IBR, Pestivirus, Neospora caninum
- Female infertility PCR**: Campylobacter fetus venerealis, Pathogenic Leptospira, Coxiella burnetii, Chlamydia abortus, Ureaplasma diversum, Mycoplasmopsis bovigenitalium, IBR, Pestivirus, Tritrichomonas foetus, Histophilus somni
- Infertilidade feminina (AI) PCR**: Pathogenic Leptospira, Coxiella burnetii, Chlamydia abortus, Pestivirus, IBR, Ureaplasma diversum, Histophilus somni
- Semen Venereal disease PCR**: Tritrichomonas foetus, Campylobacter fetus venerealis, Paratuberculosis, IBR, Pestivirus
- Venereal diseases male carriers PCR**: Campylobacter fetus venerealis, Tritrichomonas foetus
- Reproductive (bulk milk) PCR**: Pathogenic Leptospira, Coxiella burnetii, Chlamydia abortus, Pestivirus, IBR

- Respiratory PCR**: Pestivirus, IBR, BRSV , Bovine Parainfluenza 3, Bovine Coronavirus , Influenza D, Bovine rhinitis virus type A, Bovine rhinitis virus type B, Bovine adenovirus 3, Mycoplasmopsis bovis, Histophilus somni, Pasteurella multocida - Capsular typing, Mannheimia haemolytica - 1, 2 y 6 serotype identification
- Respiratory virus PCR**: Pestivirus, IBR, BRSV , Bovine Parainfluenza 3, Bovine Coronavirus
- Hemoparasites PCR**: Piroplasmas, Babesia bigemina, Babesia bovis, Theileria annulata, Theileria orientalis, Anaplasma sp., Anaplasma marginale, Mycoplasma wenyonii
- Joint disease Microbiology**: Microbiology (up to 5 samples + 2 ATB); PCR: Mycoplasmopsis bovis, Histophilus somni
- Ocular disease Microbiology**: Microbiology (up to 5 samples + 2 ATB); PCR: Moraxella bovis, Moraxella bovoculi, Moraxella ovis, Mycoplasmopsis bovis, Mesomycoplasma bovoculi, Mesomycoplasma conjunctivae, Chlamydiaceae (all species), IBR
- Mastitis 9 + bulk Microbiology**: Bacteria isolation and id., Antimicrobial susceptibility test; PCR: Mycoplasmopsis bovis, Prototheca sp., Mycoplasmopsis bovis, Staphylococcus aureus, Streptococcus agalactiae, Streptococcus uberis, Prototheca sp.
- Mastitis (bulk milk) PCR**: Mycoplasmopsis bovis, Staphylococcus aureus, Streptococcus agalactiae, Streptococcus uberis, Prototheca sp.
- Systemic clostridiosis PCR**: Paenibacillus sordellii, Clostridium septicum, Clostridium chauvoei, Clostridium novyi, Clostridium haemolyticum
- Hoof profile PCR**: Dichelobacter nodosus, Dichelobacter nodosus (virulent strains), Fusobacterium necrophorum, Treponema - Pathogenic phylotypes

*Note: analysis performed in an external laboratory.



- Sudden death** PCR: P. multocida type B, Salmonella sp., Pathogenic Leptospira, Paenibacillus sordellii, Clostridium septicum, Clostridium chauvoei, Clostridium novyi, Clostridium haemolyticum

Sequencing and Typing

- BRSV - sequencing (gen G)**
- BVD (Bovela) - Vaccine strain differentiation** PCR: BVDV1 Bovela, BVDV2 Bovela
- Clostridium perfringens - Toxins** PCR: C. perfringens, Beta, Epsilon, Iota, Enterotoxin, Beta-2
- Escherichia coli - Virulence factors** PCR: F5, F17, F4 , F41 , eae gene , STa , STb , LT , STX1, STX2 , Escherichia coli
- Bluetongue Serotyping** PCR: Bluetongue virus serotype 1, Bluetongue virus serotype 3, Bluetongue virus serotype 4, Bluetongue virus serotype 8
- Leptospira sp. - Typing**
- Mannheimia haemolytica - 1, 2 y 6 serotype identification** PCR: M. haemolytica 1, M. haemolytica 2, M. haemolytica 6, Mannheimia haemolytica
- Mannheimia haemolytica - Serotyping** PCR: M. haemolytica 1, M. haemolytica 2, M. haemolytica 6, M. haemolytica 7, M. haemolytica 9, M. haemolytica 17, Mannheimia haemolytica
- Pasteurella multocida - Capsular typing** PCR: Pasteurella multocida, P. multocida type A, P. multocida type B, P. multocida type D, P. multocida type E, P. multocida type F
- Pestivirus - Differentiation** PCR: BVDV1 Pestivirus A, BVDV2 Pestivirus B, Hobi-like Pestivirus H, Border Disease Pestivirus D
- PI3 - sequencing (gen P)**
- Rotavirus A - Sequencing (VP7, VP4)**
- Salmonellae bovine** PCR: Salmonella typhimurium, Salmonella dublin, Salmonella enteritidis, Salmonella infantis
- Treponema - Pathogenic phylotypes** PCR: Treponema pedis, T. phagedenis, Treponema medium

Microbiology

- Microbiology (up to 5 samples + 2 ATB)** Microbiology: Bacteria isolation and id., Antimicrobial susceptibility test
- Microbiology + MIC (up to 5 samples + 2MIC)** Microbiology: Bacteria isolation and id.; Microbiology: Minimum inhibitory concentration (MIC) - antibiotic profile
- Anaerobic culture (up to 5 samples)** Microbiology: Anaerobic culture
- Bacteria isolation and id.**
- Antimicrobial susceptibility test**
- Minimum inhibitory concentration (MIC) - antibiotic profile**
- MALDI TOF bacterial identification**

Parasitology

- Coprology (fecal flotation & sedimentation)**
- Mites identification (scabie)**
- Coccidia Oocyst Count (fecal flotation)**

*Note: analysis performed in an external laboratory.

Real Time PCR

- Bovine adenovirus 3**
- Anaplasma centrale**
- Anaplasma marginale**
- Anaplasma phagocytophilum**
- Anaplasma sp.**
- Babesia bigemina**
- Babesia bovis**
- Besnoitia besnoiti**
- Bibersteinia trehalosi**
- Bovine rhinitis virus type A**
- Bovine rhinitis virus type B**
- BRSV**
- Brucella sp.**
- Campylobacter coli**
- Campylobacter fetus**
- Campylobacter fetus venerealis**
- Campylobacter jejuni**
- Campylobacter sp.**
- Cestodes**
- Chlamydia abortus**
- Chlamydaceae (all species)**
- Clostridium botulinum**
- C. perfringens**
- Clostridium septicum**
- Bovine Coronavirus**
- Coxiella burnetii**
- Cryptosporidium parvum**
- Dichelobacter nodosus**
- Dichelobacter nodosus (non virulent strains)**
- Dichelobacter nodosus (virulent strains)**
- Eimeria alabamensis**
- Eimeria bovis**
- Eimeria sp.**
- Eimeria zuernii**
- Epizootic Hemorrhagic Disease EHD**
- Escherichia coli**
- Freemartinism**
- Fusobacterium necrophorum**
- eae gene**
- Giardia intestinalis**
- IBR**
- Bovine Herpesvirus type 2**
- Bovine Herpesvirus 4**
- Histophilus somni**
- Influenza D**
- Klebsiella pneumoniae**
- Blue Tongue Virus**
- Pathogenic Leptospira**
- Listeria monocytogenes**
- Mannheimia haemolytica**



- Mesomycoplasma bovoculi**
- Mesomycoplasma conjunctivae**
- Moraxella bovis**
- Moraxella bovoculi**
- Moraxella ovis**
- Mycoplasma wenyonii**
- Mycoplasmopsis bovigenitalium**
- Mycoplasmopsis bovis**
- Nebovirus**
- Nematodes**
- Neospora caninum**
- Norovirus genotype 3**
- Bovine Parainfluenza 3**
- Paratuberculosis, ; PCR: Paratuberculosis**
- Pasteurella multocida**
- Pestivirus**
- Piroplasmas**
- Prototheca sp.**
- Pseudomonas aeruginosa**
- Rotavirus A**
- Salmonella dublin**
- Salmonella infantis**
- Salmonella sp.**
- Schmallenberg**
- Staphylococcus aureus**
- Staphylococcus haemolyticus**
- Streptococcus agalactiae**
- Streptococcus dysgalactiae**
- Streptococcus equi**
- Streptococcus uberis**
- Theileria annulata**
- Bovine Torovirus**
- Toxoplasma gondii**
- Trematodes**
- Treponema sp.**
- Trichophyton verrucosum**
- Tritrichomonas foetus**
- Ureaplasma diversum**

Serology

- Brucella spp. (Rose Bengal test)**
- BVD p80/Border (IDEXX)**
- Chlamydia (IDEXX)**
- Coxiella burnetii**
- Epizootic Hemorrhagic Disease EHD**
- IBR gE**
- Leptospira (MAT) (min 6 sera)***
- Neospora caninum**
- Paratuberculosis (IDEXX)**
- Toxoplasma gondii**
- Reproductive - Serology Serology: Coxiella burnetii, Chlamydia (IDEXX), BVD p80/Border (IDEXX), IBR gE, Neospora caninum**

*Note: analysis performed in an external laboratory.

Toxicology

- Acetylcholinesterase activity***
- Alkaloids from Claviceps purpurea***
- Amitraz***
- Antibiotics***
- Anti-inflammatory drugs***
- Bromethalin (Rodenticide)***
- Carbamates (Pesticides)***
- Cyanides***
- Quantification of antibiotics***
- Toxicant-specific quantification (price on request)***
- Determination of a toxic (qualitative)***
- Strychnine***
- Glyphosate (Herbicide) ***
- Imidacloprid (Insecticide)***
- Ionophores in feed***
- Metaldehyde (Pesticide)***
- Heavy metals 1 metal***
- Heavy metals 2 metals***
- Heavy metals 3 metals***
- Heavy metals 4 metals***
- Heavy metals 5 metals***
- Mycotoxins in milk RUMINANT***
- Determination of mycotoxins in urine RUMINANT***
- Mycotoxins Feed AOF***
- Mycotoxins Feed AOF/DZT***
- Mycotoxins Feed DZT***
- Post-mortem determination of mycotoxins***
- Nitrates***
- Nitrites***
- Nitrosamines***
- Organochlorines (Pesticides)***
- Organophosphates (Pesticides)***
- Oxalates***
- Pyrethrins (Insecticides)***
- Pyrethroids or permethrins (Insecticides)***
- Livestock toxic plants***
- Pesticide screening***
- Screening rodenticides***
- Toxic screening***
- Doping substances***
- Triazines (Herbicides)***
- Urea***