NOBLE MANES CLINIC
SERVICES FOR BREEDERS BY BREEDERS
Animal Clinic, Diagnostic Laboratory Testing, Breeder Support & Supplies

Respiratory (Upper) Disease RealPCR Panel (Comprehensive) and Aerobic Culture (if Indicated) / Diarrhea RealPCR Panel (Comprehensive) and Fecal Dx Profile

IDEXX TEST CODE

IDEXX 3037-3882

IDEXX TEST TYPE

RealPCR / Culture / Immunoassays

REQUIRED SUPPLIES

Collection Pack: Culture Plus

TURNAROUND TIME

1 - 4 days; allow additional time for culture or strain identification if influenza A virus PCR positive

TESTS INCLUDED

Upper Respiratory Disease RealPCR Panel (Feline) / Aerobic Culture (Organism ID and susceptibility) / Diarrhea RealPCR Comprehensive Panel (Feline) / Fecal Ova and Parasites, Giardia, Hookworm, Roundworm and Whipworm Antigen Immunoassays

SPECIMEN REQUIREMENTS: 3037

Submit separate specimens for RealPCR and Culture. Deep pharyngeal swab (with visible organic material on swab; please rub firmly) and a conjunctival swab (wipe eye clean, swab inside of eyelid) in the same tube. Please submit dry, plastic-stemmed swabs, without transport media, in a WTT (White Top Tube), AND deep pharyngeal culture swab (eSwab) in transport media; keep refrigerated.

SPECIMEN REQUIREMENTS: 3882

Submit separate specimens for RealPCR and DX Profile. Two containers each containing: 3 – 5 g (1 g minimum) fresh feces in a sterile container, RTFC (Red Top Fecal Container) preferred; keep refrigerated.

STORAGE AND STABILITY

Pharyngeal and Conjunctival Swab up to 10 days at 36° to 46° F (2° to 8° C), keep refrigerated. Culture Swab up to 72 hours at 36° to 46° F (2° to 8° C), keep refrigerated. Fresh Feces up to 10 days at 36° to 46° F (2° to 8° C), keep refrigerated.

TEST COMPONENTS: REFERRED

- Bordetella Bronchiseptica
- C. Perfringens Alpha Toxin (CPA)
- C. Perfringens Enterotoxin (CPE)
- Campylobacter Coli

- Campylobacter Jejuni
- Chlamydophila Felis (C. felis)
- Cryptosporidium Spp.
- Fecal Ova and Parasites
- Feline Calicivirus (FCV)
- Feline Coronavirus (FeCoV)
- Feline Herpesvirus Type 1 (FHV-1)
- Feline Panleukopenia Virus (FPV)
- Flea Tapeworm Antigen
- Giardia Antigen
- Giardia Spp.
- Hookworm Antigen
- Influenza Virus (H7N2)
- Influenza A Virus (H1N1)
- Influenza A Virus (H3N2)
- Influenza A Virus (H3N8)
- Influenza A Virus (H7N2)
- Mycoplasma Felis (Mhf)
- Roundworm Antigen
- Salmonella Spp.
- Toxoplasma Gondii
- Tritrichomonas Blagburni
- Whipworm Antigen

TEST COMPONENTS: MICROBIOLOGY

- Aerobic Culture (ID with Susceptibility)

INTERPRETATION: NEGATIVE

Result supports the absence of an infectious cause by these organisms for the clinical signs. PCR may not detect 100% of the isolates for the tested pathogens in a chronic carrier state, or the occurrence of a new strain variation.

INTERPRETATION: POSITIVE

[3037] Result indicates the detected organism(s) is likely an infectious cause for the clinical signs. Additional causes for the clinical signs should be assessed separately. Vaccination with a modified live vaccine may result in positive results for up to a few weeks post-vaccination. [3882] Result indicates that the nucleic acid (DNA or RNA) of that organism(s) was detected in the fecal sample. In a patient with diarrhea, this supports infection. Vaccination with a modified live coronavirus vaccine may result in a positive result for up to a few weeks post-vaccination. Clostridium perfringens toxin genes (CPA and CPE) positive PCR results should be interpreted based on their quantitative levels. Note that recent or concurrent antibiotic against Clostridium will lower the quantitative levels. In animals with CPA or CPE gene copies > 300 Thous/g feces, the toxin may be contributing to clinical signs of diarrhea. In animals where the number of copies of the gene is below the cut-off, this toxin is unlikely to be contributing to diarrhea.

INTERPRETATION: CULTURE

Results reported as no growth, or identification and susceptibility (aerobic only). Most, but not all cultures, will also include minimum inhibitory concentrations (MIC) with the susceptibility. IDEXX follows the guidelines set by the Clinical and Laboratory Standards Institute (CLSI), formerly the National Committee for Clinical Laboratory Standards (NCCLS), combined with our years of experience in performing susceptibility testing. Susceptibilities will not be performed on normal flora or nonpathogenic organisms. Pathogens with

predictable susceptibility patterns, or with no CLSI interpretive standards will be reported with a recommended list of antimicrobials. Examples include β-hemolytic streptococci (beta-strep) and Pasteurella in nonsterile sites. Pathogens that are not suitable for routine susceptibility testing, due to their growth characteristics (i.e. slow-growing, anaerobic) or lack standardized methodology for testing, will be reported with recommended antibiotics. Examples include Corynebacterium pseudotuberculosis and Actinomyces spp.

NOTES

If the RealPCR test is positive for Bordetella Bronchiseptica, a culture with susceptibilities on selective media for Bordetella will be automatically performed at no additional charge. Includes quantification of feline herpesvirus type 1 (FHV-1) viral particles if PCR positive. Includes influenza A strain identification if PCR positive. Includes quantification of Clostridium Perfringens Alpha Toxin (CPA) and Clostridium Perfringens Enterotoxin (CPE) genes if PCR positive.

INTERFERENCE

[PCR] poor sample quality / aged sample / recent vaccination with modified live vaccines / recent antimicrobial or antiviral therapy. [Culture] poor sample quality / aged sample / recent antimicrobial or antiviral therapy / anticoagulants / formalin.

DISCLAIMER

The coronavirus test included in this panel is specific to feline enteric coronavirus and does not detect SARS-CoV-2, the causative agent in COVID-19. Feline enteric coronavirus is species-specific and does not infect humans.