

Patient Name:	Health Status:	Account #:
Owner's Name:	Ordered by:	Internal ID:
Breed: Domestic Shorthair	Email:	Sample Type: Skin, tissue, hock
Age:	Hospital:	Received Date:
Species: Cat	Location:	Report Date:

Potential Clinically Relevant Microbes Detected:

Top 5 potential Bacterial and Eukaryotic pathogens are listed. The comprehensive list of all microbes are shown in page 3. "Inferred" column indicates the difference of the species' abundance from "Normal Range", i.e. its abundance in clinical healthy animals. Less than 1000 cells of Bacteria or less than 10 cells of Fungi are often not clinically significant.

1. Bacteria

No Known Bacterial Pathogen Detected!

2. Fungi

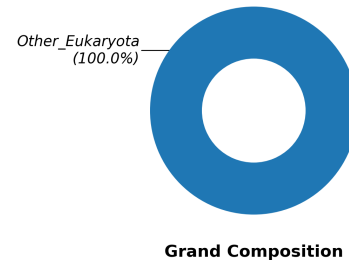
No Known Eukaryotic Pathogen Detected!

3. Parasites

Species Detected	AID*	Percentage	Cells per Sample	Normal Range	Inferred Status
<i>Pythium insidiosum</i> [1]	--	100.0 %	12	NA	NA

Microbial Composition Overview:

Taxa	Percentage
Bacteria	0%
Fungi	0%
Other_Eukaryota	100%



Antimicrobial Resistance for Detected Clinically Relevant Microbes

The sample was screened for antibiotic resistance genes and intrinsic resistances. Please follow antimicrobial stewardship guidelines for cautious antibiotic use.

No pathogens were detected!

Supplemental Data

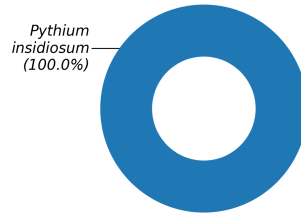
Bacteria & Archaea Composition

No bacteria or archaea detected!

Fungi Composition

No fungi detected!

Eukaryota (Excluding Fungi) Composition



Your Sample

Species Detected	AID*	Percentage	Cells per Sample	Normal Range	Inferred Status
<i>Pythium insidiosum</i> [1]	--	100.0 %	12	NA	NA

Donut plots above depict the relative abundance of all detected eukaryote or virus species. Each color represents a different species. The larger the colored segment is, the more abundant that species is in the specimen.

The tables above lists top 8 species detected within the limit of detection. The absolute and relative abundances of each species is shown. Potential clinically relevant microbes are highlighted in red.

* AID stands for Animal Infection Database. It is a resource center to provide more information for microbes in animal microbiome settings.

Toxin/Biofilm Genes Detected

No toxin/biofilm genes detected!

Download Links of Intermediate Tables

No AMR genes were detected.

References

1. Gaastra, W., Lipman, L. J., De Cock, A. W., Exel, T. K., Pegge, R. B., Scheurwater, J., ... & Mendoza, L. (2010). Pythium insidiosum: an overview. *Veterinary microbiology*, 146(1-2), 1-16.

Methods

The MiDOG® All-in-One Microbial Test is a targeted, Next-generation DNA sequencing testing service able to identify molecular signatures unique to the identity and character of a specific microorganism. This test relies on safeguarded preservation and transport of collected samples, thorough extraction of DNA from all microbes present in the specimen, select amplification of microbial DNA followed by Next-generation DNA sequencing using the latest technologies from Illumina (Illumina, Inc., San Diego, CA). Data handling is done via curated microbial databases to accurately align DNA sequences to ensure precise and accurate (species-level) identification of all microbes present in the specimen.

When no Microbial Species are Detected:

When no Microbial species are detected in this test, this result may be due to a very low microbial load and/or low concentration of microbial DNA in the sample provided. In this case, we recommend re-sampling the area of interest and re-submitting specimen for analysis.

Phylogenetic Rank Abbreviations

If the detected microbial taxon could not be identified down to the genus level, the closest phylogenetic rank identified is provided. An abbreviation indicating the level of the rank is displayed aside. The meaning of the abbreviations is shown as:(p) Phylum level, (c) Class level, (o) Order level, and (f) Family level.

Disclaimer

The information contained in this MiDOG® report is intended only to be factor for use in a diagnosis and treatment regime for the animal patient. As with any diagnosis or treatment regime, you should use clinical discretion with each animal patient based on a complete evaluation of the animal patient, including history, physical presentation and complete laboratory data, including confirmatory tests. All test results should be evaluated in the context of the patients individual clinical presentation. The information in the MiDOG ® report has not been evaluated by the FDA.

Customer Support

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Need help understanding your report? We offer free consultations!

You can request a veterinary consultation through your MiDOG portal account, by email, or by phone.

Have technical questions? Just give us a call to talk to our support team.