



LAB REPORT

DATE:
 ORDER NUMBER:
 SAMPLE ID:

PATIENT NAME/SURNAME:
 DOB (DAY/MONTH/YEAR):
 GENDER: MALE

SPECIMEN TYPE: SEMEN
 RECEIVED:

FERTILYSIS MALE MICROBIOME: FULL (GLENVILLE NUTRITION) (FMT1006)

PATHOGENS & MYCOPLASMAS	RESULT	SIGNIFICANCE
CHLAMYDIA TRACHOMATIS	NOT DETECTED	NORMAL
MYCOPLASMA GENITALIUM	NOT DETECTED	NORMAL
MYCOPLASMA HOMINIS	NOT DETECTED	NORMAL
UREAPLASMA UREALYTICUM	NOT DETECTED	NORMAL
UREAPLASMA PARVUM	NOT DETECTED	NORMAL
TRICHOMONAS VAGINALIS	NOT DETECTED	NORMAL
NEISSERIA GONORHOEAE	NOT DETECTED	NORMAL
OPPORTUNISTIC MICROORGANISMS		
HEAMOPHILUS SPP.	MODERATE	HIGH
PSEUDOMONAS AERUGINOSA / RALSTONIA SPP. / BURKHOLDERIA SPP.	LOW	LOW
ENTEROBACTERIACEAE / ENTEROCOCCUS SPP	LOW	LOW
TRANSIT MICROORGANISMS		
LACTOBACILLUS SPP.	LOW	LOW
COMMENSALS		
STAPHYLOCOCCUS SPP.	NOT DETECTED	NORMAL
STREPTOCOCCUS SPP.	NOT DETECTED	NORMAL
CORYNEBACTERIUM SPP	MODERATE	NORMAL
COMMENSALS, SUM.	MODERATE	NORMAL
BV-ASSOCIATED OPPORTUNISTIC MICROORGANISMS		
GARDNERELLA VAGINALIS	MODERATE	HIGH
MEGASPHAERA SPP. + VEILONELLA SPP. + DIALISTER SPP.	LOW	LOW
SNEATHIA SPP. + LEPTOTRIHIA SPP. + FUSOBACTERIUM SPP.	NOT DETECTED	NORMAL
ATOPOBIUM CLUSTER	MODERATE	HIGH
BV-ASSOCIATED OPPORTUNISTIC MICROORGANISMS, SUM	HIGH	HIGH
OPPORTUNISTIC ANAEROBES		
BACTEROIDES SPP. / PORPHYROMONAS SPP. / PREVOTELLA SPP.	VERY HIGH	HIGH
ANAEROCOCCUS SPP.	LOW	LOW
PEPTOSTREPTOCOCCUS SPP. / PARVIMONAS SPP.	LOW	LOW
EUBACTERIUM SPP.	HIGH	HIGH
OPPORTUNISTIC ANAEROBES, SUM	VERY HIGH	HIGH
YEAST-LIKE FUNGI		
CANDIDA SPP.	NOT DETECTED	NORMAL
VIRUSES		
HSV-1	NOT DETECTED	NORMAL
HSV-2	NOT DETECTED	NORMAL
CMV	NOT DETECTED	NORMAL
HHV-6	NOT DETECTED	NORMAL

Human DNA: **Detected** ($10^{4.7}$), Total Bacterial Mass: **Detected** ($10^{4.5}$), Specimen Quality: **High** (accepted)

INTERPRETATION OF RESULTS AND RECOMMENDATIONS: HIGH RISK

DIAGNOSIS:	ABNORMAL MICROBIOME COMPOSITION.
PROBLEMS DETECTED: <i>High levels of anaerobic bacteria detected Lactobacilli detected Enterobacteriaceae/Enterococcus detected</i>	The sample was positive for high levels of opportunistic anaerobic bacteria and BV-associated opportunistic microorganisms, and low levels of Enterobacteriaceae spp. / Enterococcus spp. and Lactobacilli and commensals. STIs DNA and Candida spp. was not detected. However, the mixture and abundance of the presented bacterial flora is considered abnormal.
RECOMMENDED TREATMENT:	We recommend that the treating physician considers specific antibiotic treatment typically used against anaerobic infections (e.g., Metronidazole) in parallel to and followed by male probiotics, in order to restore the balance of the normal flora. Oral probiotics as appropriate based on the antibiotics chosen to treat the above infections, are also recommended.

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