Urogenital microbiome composition test Androbiome®

Date	1 June 2025, 9:57:15	
Number of tube		
Patient name		
Sex		
Age		
Organization	Information about laboratory	
Clinician name		
Comments		

		R	esu	ilt		
Nº	Test title	Quantitative	T	Relative Lg (X/TMD)		% of TM
	Human DNA	10 50 □			100	
1	Total Bacterial Mass	1043				
	Transit microorgani	sms				
2	Lactobacillus spp.	not detected				
	Commensals					
3	Staphylococcus spp.	not detected				
4	Streptococcus spp.	not detected				
5	Corynebacterium spp.	not detected				
	Commensals, sum	not detected				
	BV-associated opportunistic m	icroorganisms				
6	Gardnerella vaginalis	not detected	Ι			
7	Megasphaera spp. /Veillonella spp. /Dialister spp.	10 3.2	-	1.6 (2.0-2.7 %)		
8	Sneathia spp. / Leptotrichia spp. / Fusobacterium spp.	not detected	Т			
9	Ureaplasma urealyticum*	not detected			71	
10	Ureaplasma parvum*	not detected				
11	Mycoplasma hominis*	not detected			7 i i	
12	Atopobium cluster	10 ^{3.9}	-	0.9 (10-14 %)		
	BV-associated opportunistic microorganisms, sum	1040	Н	0,8 (12-17 %)		
	Opportunistic anaero	obes				
13	Bacteroides spp. / Porphyromonas spp. / Prevotella spp.	10 43	-	0.5 (27-36 %)		1
14	Anaerococcus spp.	10 ^{3,4}	F	1.4 (3.4 %)		
15	Peptostreptococcus spp. / Parvimonas spp.	10 82	-	1.6 (1.9-2.6 %)		
16	Eubacterium spp.	10 3.2	T-	1.6 (2.0-2.7 %)		
	Opportunistic anaerobes, sum	10 ^M		0.2 (57-77 %)		
	Opportunistic microorganisms H	laemophilus spp.				
17	Haemophilus spp.	not detected	Т			
	Opportunistic microorganisms Pseudomonas aerugino	sa / Raistonia spp. / B	urki	holderia spp.		
18	Pseudomonas aeruginosa / Ralstonia spp. /Burkholderia spp.	not detected	Т			
	Opportunistic microorganisms Enterobacte		spr).	7 6 (
19	Enterobacteriaceae / Enterococcus spp.	not detected	Т		□	
	Yeast-like fungl					
20	Candida spp.*	not detected			71 '	
	Sexually transmitted in	fections				
21	Mycoplasma genitalium**	detected	П			
	Trichmonas vaginalis**	detected				
23	Neisseria gonorrhoeae**	not detected	j			_
24	Chlamydia trachomatis**	not detected			11:	
0	antitative Analysis Lg(X)				4	5 6 7 8

DETECTED: Mycoplasma genitalium, Trichomonas vaginalis.

Dysbiotic mixed microflora. The quantity of dysbiota is evaluated as a background clinical disease greater than 10^6.



ANDROBIOME®

Advanced Microbiome Analysis for Male Urogenital Health



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Androbiome® — always right on schedule

Genitourinary diseases are one of the primary causes of male fertility disorders. Diseases such as urethritis, prostatitis, balanitis, etc. are typically based on infectious and inflammatory processes. Without prompt diagnostics and treatment, these diseases can lead to a decrease in quality of life, sexual disorders, and infertility.

The Androbiome® technology is

- accurate diagnostics of cause and severity of disorders of microbial population in genitourinary tract
- a base of **individual and efficient treatment** of patient with no excessive therapy
- a test for people who are concerned about their health, value time, quality and reliability

No equivalents worldwide

Androbiome® is an absolutely novel test to assess male genitourinary tract microflora.

The test is based on real-time PCR, one of the most accurate and up-to-date technologies allowing for complete qualitative and quantitative characterization of normal, opportunistic and pathogen microflora in male genitourinary tract.

IMPORTANT! Androbiome® reliably detects micro-organisms that are hardly identified or cannot be identified by bacteriological culturing.

When is such an assay needed?

- With unpleasant symptoms: itches, burning sensations, genital discharge, sense of discomfort, pain in genitals, urination disorders
- · Before urological surgery
- When preparing for IVF
- In inefficient treatment of urinary diseases

The Androbiome® test is performed to detect presence and severity of disbalance in genitourinary microflora, which is essential for both patient and physician when selecting the tactics of treatment and during treatment efficacy control.

How to select a test?

Depending on the clinical situation and assessment goals, the physician can prescribe the more brief Androbiome®Screen (commonly used in diagnostics of acute diseases) or the expanded Androbiome® option (for diagnostics of acute and chronic diseases, infertility).

How to obtain a sample?

The attending physician decides what biomaterial to send for examination. To obtain a correct result, the biomaterial should be taken from biotope maximally close to the supposed sourse of infection.

In lower genitourinary system diseases, we recommend to take samples from uretra, balanus and preputium. First morning urine can be collected and sent for analysis in acute inflammation only, when a swab cannot be obtained due to pain.

In upper genitourinary system diseases a prostatic fluid or ejaculate (that can be collected by patient using manual masturbation into an urine container and delivered to a laboratory within 24 hours) can be studied.

How to make a proper preparation for sampling?

Presence of a so-called transitory microflora obtained from a partner can change the microbial picture and affect the results, therefore it is necessary to refrain from sexual activity or engage in protected sex only within 3 days before biomaterial sampling.

IMPORTANT! Androbiome® test uses 3 control parameters of adequacy of the biomaterial provided for the study that ensures accuracy of the results.

The Androbiome® test is performed to detect presence and severity of disbalance in genitourinary microflora, which is essential for both patient and physician when selecting the tactics of treatment and during treatment efficacy control.

Individual specific report form and initial interpretation of results are performed automatically in the laboratory by specialized software. For convenience of the result interpretation, a clinician uses color coding and forms a laboratory report.

— compliance with normal criteria

moderate deviation from normal criteria

major deviation from normal criteria

IMPORTANT! In chronic recurrent processes in any of the partners, we recommend an integrated examination including Androbiome® (for men) and Femoflor® (for women).

Urogenital microbiome composition test Androbiome® Screen

Date 7 June 2025, 18:38:40

Number of tube

Sex

Age

Organization Information about laboratory

Clinician name

Comments

Sample ID: Sample_5

N≘		Resi	ult	
	Test title	Quantitative	Relative Lg (X/TBM)	% of TBI
	Human DNA	1043		
1	Total Bacterial Mass	1038		
	Transit microorgan	isms		
2	Lactobacillus spp.	not detected		
	Normal microflo	ir <u>a</u>		
3	Staphylococcus spp.	not detected		
4	Streptococcus spp.	not detected		
5	Corynebacterium spp.	not detected		
	BV-associated opportunistic	microorganisms		
6	Gardnerella vaginalis	not detected		
7	Ureaplasma urealyticum*	not detected	Ii	
8	Ureaplasma parvum*	not detected		
9	Mycoplasma hominis*	not detected		
	BV-associated opportunistic microorganisms, sum	not detected		
	Opportunistic microorganisms Enterobact	eriaceae / Enterococcus sp	p.	
10	Enterobacteriaceae / Enterococcus spp.	10 ^{3,6}		
	Yeast-like fung			
11	Candida spp.*	not detected	I i	
	Sexually transmitted in			
	Mycoplasma genitalium**	detected		
13		not detected		
14	Neisseria gonorrhoeae**	not detected		
	Chlamydia trachomatis**	not detected	716	

Conclusion:

 $\label{lem:decomposition} \mbox{DETECTED: Mycoplasma genitalium. The quantitative proportions of commensals are not violated.}$