

Female EcologiX™

Vaginal Health & Microbiome

VAGINAL BIOMARKERS

	BIOMARKER NAME	TYPE	ASSOCIATED WITH	ENDOMETRIOSIS	INFERTILITY	DYSBIOSIS	PID	STI	BACTERIAL VAGINOSIS	VULVOVAGINAL CANDIDIASIS	PREGNANCY COMPLICATIONS	AEROBIC VAGINITIS	CERVICAL CANCER	UTI	CST IV	HERPES	
Cytokines	IL1-β	Pro-inflammatory cytokine	Stress, danger signals				↑	↑*	↑	↑							
	Lactobacillus crispatus	Bacteria (Gram-positive)	Vaginal health											↓			
	Lactobacillus iners	Bacteria (Gram-positive)	Vaginal health			↑								↓	↑		
	Lactobacillus jensenii	Bacteria (Gram-positive)	Vaginal health											↓			
	Lactobacillus gasseri	Bacteria (Gram-positive)	Vaginal health											↓			
	Atopobium vaginae	Bacteria (Gram-positive)		↓		↑	Increased risk		Increased risk							↑	
	Prevotella bivia	Bacteria (Gram-positive)		↓		↑	Increased risk		Increased risk							↑	
	Megasphaera 1	Bacteria (Gram-positive)	BV, PID, adverse pregnancy complications	↓		↑			Increased risk			Increased risk					↑
	Megasphaera 2	Bacteria (Gram-positive)	BV	↓		↑			Increased risk			Increased risk					↑
	Gardnerella vaginalis	Bacteria (Gram-variable)	BV	↓		↑			Increased risk						x		↑
	Mobiluncus mulieris	Bacteria	Vulvo-vaginal abscesses			↑			Increased risk								↑
	Mobiluncus curtisii	Bacteria				↑			Increased risk								↑
BVAB2	Bacteria				↑			Increased risk								↑	
Ureaplasma urealyticum	Bacteria				↑	Increased risk	x	Increased risk									
Pathobionts	Streptococcus agalactiae (group B)	Bacteria (Gram-positive)	GBS sepsis	↑		↑	Increased risk				Increased risk	Increased risk					
	Staphylococcus aureus	Bacteria (Gram-positive)				↑	Increased risk				Increased risk	increased risk					
	Enterococcus faecalis	Bacteria (Gram-positive)				↑	Increased risk					Increased risk		Increased risk			
	Bacteroides fragilis	Bacteria (Gram-negative)	Bartholin's abscess, as well as abscesses in the ovaries or fallopian tubes, bacteraemia. Risk factors for intrauterine growth retardation			↑	Increased risk		Increased risk								
	Escherichia coli	Bacteria (Gram-negative)	UTI	↑	Increased risk	↑	Increased risk				Increased risk	Increased risk		Increased risk			
Sexually transmitted infections	Mycoplasma genitalium	Bacteria	Causative agent for mycoplasma STI				Increased risk	x	Increased risk								
	Chlamydia trachomatis	Bacteria (Gram-negative)	Causative agent for chlamydia STI	Increased risk	Increased risk		Increased risk	x			Increased risk						
	Trichomonas vaginalis	Protozoa	Causative agent for trichomonas STI					x									
	HSV1	Virus	Genital herpes (infection may be asymptomatic)					x								x	
	HSV2	Virus	Genital herpes (infection may be asymptomatic)					x								x	
Opportunistic fungal pathogens	Candida albicans	Fungi	Vulvocandidiasis			↑				x							
	Candida krusei	Fungi	Vulvocandidiasis			↑				x							
	Candida parapsilosis	Fungi	Vulvocandidiasis			↑				x							
	Candida tropicalis	Fungi	Vulvocandidiasis			↑				x							

KEY	
↓	Decreased levels detected in specific condition
↑	Increased levels detected in specific condition
↑*	Increased levels detected in specific condition with exceptions (i.e. chlamydia)
x	Causative agent for specific condition
Increased risk	Increased risk of developing condition

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