

P: 1300 688 522 E: info@nutripath.com.au

Bacterial vaginosis

Page 1 of 3

-.ALEXANDRA MIDDLETON 6 EDWARDS BAY ROAD MOSMAN NSW 2088

GEMMA FITZGERALD 13-Oct-1988 Female

110 ROBSONS ROAD KEIRAVILLE NSW 2500

LAB ID : 3817418 UR NO. : 6605187 Collection Date : 18-May-2022 Received Date:24-May-2022



3817418

Printed:May 27, 2022

Vaginal Microbiome Profile

Verinel all	vagiiiai			
Vaginal pH.	4.5	3.5 -		•
Opportunistic Bacteria	Result	Range	Units	
Enterococcus faecalis:	<dl< th=""><th>< 1.0</th><th>x10^5 CFU/ml</th><th></th></dl<>	< 1.0	x10^5 CFU/ml	
Escherichia coli:	0.90	< 1.00	x10^5 CFU/g	
Klebsiella pneumoniae:	<dl< th=""><th>< 1.00</th><th>x10^5 CFU/ml</th><th></th></dl<>	< 1.00	x10^5 CFU/ml	
Proteus mirabilis:	<dl< th=""><th>< 1.00</th><th>x10^5 CFU/ml</th><th></th></dl<>	< 1.00	x10^5 CFU/ml	
Pseudomonas aeruginosa:	<dl< th=""><th>< 1.00</th><th>x10^5 CFU/ml</th><th></th></dl<>	< 1.00	x10^5 CFU/ml	
Streptococcus agalactiae:	<dl< th=""><th>< 1.00</th><th>x10^5 CFU/ml</th><th></th></dl<>	< 1.00	x10^5 CFU/ml	
Staphylococcus aureus:	<dl< th=""><th>< 1.00</th><th>x10^5 CFU/ml</th><th></th></dl<>	< 1.00	x10^5 CFU/ml	
Gardnerella vaginalis:	<dl< th=""><th>< 1.00</th><th>x10^5 CFU/ml</th><th></th></dl<>	< 1.00	x10^5 CFU/ml	
Atopobium vaginae:	0.01	< 1.00	x10^5 CFU/ml	
Prevotella species:	<dl< th=""><th>< 1.00</th><th>x10^5 CFU/ml</th><th></th></dl<>	< 1.00	x10^5 CFU/ml	
Megasphaera species:	<dl< th=""><th>< 1.00</th><th>x10^5 CFU/ml</th><th></th></dl<>	< 1.00	x10^5 CFU/ml	
Ureaplasma species	26.56 *H	< 1.00	x10^6 CFU/ml	•
Mycoplasma species	<dl< th=""><th>< 1.00</th><th>x10^6 CFU/ml</th><th></th></dl<>	< 1.00	x10^6 CFU/ml	
Sexually Transmitted Infections				
Trichomonas vaginalis:	Not Detected		601414EN	_
Chlamydia trachomatis:	Not Detected		COMMENT	I: ed results indicate the absence of
Neisseria gonorrhoeae:	Not Detected			DNA in this sample. A negative
Herpes Simplex Virus-1:	Not Detected			s not completely exclude infection.
Herpes Simplex Virus-2:	Not Detected			
Opportunistic Fungal pathogens				
Candida albicans:	<dl< th=""><th>< 1.00</th><th>x10^5 CFU/ml</th><th></th></dl<>	< 1.00	x10^5 CFU/ml	
Candida glabrata:	<dl< th=""><th>< 1.00</th><th>x10^5 CFU/ml</th><th></th></dl<>	< 1.00	x10^5 CFU/ml	
Candida krusei:	<dl< th=""><th>< 1.00</th><th>x10^5 CFU/ml</th><th></th></dl<>	< 1.00	x10^5 CFU/ml	
Candida parapsilosis:	<dl< th=""><th>< 1.00</th><th>x10^5 CFU/ml</th><th></th></dl<>	< 1.00	x10^5 CFU/ml	
Candida tropicalis:	<dl< th=""><th>< 1.00</th><th>x10^5 CFU/ml</th><th></th></dl<>	< 1.00	x10^5 CFU/ml	
Beneficial Bacteria:				
Total Lactobacillus:	1.20	> 1.00	x10^6 CFU/ml	
Lactobacillus crispatus:	0.10 *L	> 1.00	x10^6 CFU/ml	•
Lactobacillus gasseri:	1.10	> 1.00	x10^6 CFU/ml	•
Lactobacillus iners:	<dl *l<="" th=""><th>> 1.00</th><th>x10^6 CFU/ml</th><th></th></dl>	> 1.00	x10^6 CFU/ml	
Lactobacillus jensenii:	<dl *l<="" th=""><th>> 1.00</th><th>x10^6 CFU/ml</th><th></th></dl>	> 1.00	x10^6 CFU/ml	
Lactobacillus rhamnosus:	<dl *l<="" th=""><th>> 1.00</th><th>x10^6 CFU/ml</th><th></th></dl>	> 1.00	x10^6 CFU/ml	
Lactobacillus salivarius:	<dl *l<="" th=""><th>> 1.00</th><th>x10^6 CFU/ml</th><th></th></dl>	> 1.00	x10^6 CFU/ml	
Lactobacillus vaginalis:	<dl *l<="" th=""><th>> 1.00</th><th>x10^6 CFU/ml</th><th>•</th></dl>	> 1.00	x10^6 CFU/ml	•
Bacterial Vaginosis:				

Final Report

Negative



P: 1300 688 522 E: info@nutripath.com.au

-.ALEXANDRA MIDDLETON 6 EDWARDS BAY ROAD MOSMAN NSW 2088

GEMMA FITZGERALD 13-Oct-1988 Female

110 ROBSONS ROAD KEIRAVILLE NSW 2500

LAB ID : 3817418 UR NO. : 6605187 Collection Date : 18-May-2022 Received Date:24-May-2022



3817418

Vaginal Microbiome Comments

VAGINAL pH NORMAL:

The typical vaginal pH is 3.5-4.5. Prepubertal and postmenopausal pH levels are normally >5 pH. With the increase of the oestrogen levels around puberty, the genital mucosa thickens and becomes colonized with Lactobacillus species which produce lactic acid and hydrogen peroxide to lower the pH below 4.5.

Mycoplasma and Ureaplasma Species

Mycoplasmas and Ureaplasmas species colonise lower genital tract of many healthy sexually active individuals. Clinically act as opportunistic bacteria, associated with mucosal infections of the respiratory and urogenital tracts. Mycoplasmas and Ureaplasma species can cause sexually transmitted infections like bacterial vaginosis (BV), cervicitis, PID, infertility in non-pregnant females and chorioamnionitis, endometritis, postpartum fever, premature birth or spontaneous abortion in pregnancy and urethritis in males. Sexual contacts should be encouraged to be tested and treated simultaneously to prevent recurrence in the patient.

Both organisms lack cell wall hence beta lactam antibiotics are not effective. Macrolides and Quinolones are effective but anti-microbial resistance is creeping.

General advice for along with above treatment as follows:

- o Regular salt or warm water only washes (no douching)
- o Good Personal Hygiene
- o Avoid irritants (soaps/perfumes)
- o Use barrier protection during sex

LACTOBACILLUS:

Total Lactobacillus is within range.

Lactobacillus is the predominant genus in a healthy vaginal microbiota, and functions to inhibit the adhesion and proliferation of opportunistic and primary pathogens.

The presence of different Lactobacillus species is a major factor in the stability of the vaginal microbiome. Women with L. iners-dominant microbiomes are more likely to harbor Candida than women with L. crispatus-dominant microbiomes (due to higher production of lactic acid by L. crispatus compared to L. iners), leading to better anti-Candida activity (impeding Candida colonization) than L. iners through a greater production of lactic acid. Furthermore, L. iners dominance has been associated with other negative health outcomes such as increased risks of Chlamydia trachomatis infection, incident Bacterial Vaginosis and defects in vaginal mucus that compromise antiviral barrier function.

Page 2 of 3 Final Report Printed:May 27, 2022



P: 1300 688 522 E: info@nutripath.com.au

-.ALEXANDRA MIDDLETON 6 EDWARDS BAY ROAD MOSMAN NSW 2088

GEMMA FITZGERALD 13-Oct-1988 Female

110 ROBSONS ROAD KEIRAVILLE NSW 2500

LAB ID : 3817418 UR NO. : 6605187 Collection Date : 18-May-2022 Received Date:24-May-2022



3817418

Sex. Transmitted Infection Comments

TRICHOMONAS VAGINALIS - Not Detected:

This does not completely exclude the possibility of infection as is dependent on an adequate specimen collection. If you have symptoms, please consult with your healthcare practitioner.

CHLAMYDIA TRACHOMATIS - Not Detected:

This does not completely exclude the possibility of infection as is dependent on an adequate specimen collection. If you have symptoms, please consult with your healthcare practitioner.

NEISSERIA GONORRHOEAE - Not Detected:

This does not completely exclude the possibility of infection as is dependent on an adequate specimen collection. If you have symptoms, please consult with your healthcare practitioner.

HERPES SIMPLEX VIRUS Type 1 - Not Detected:

This does not completely exclude the possibility of infection as is dependent on an adequate specimen collection. If you have symptoms, please consult with your healthcare practitioner.

HERPES SIMPLEX VIRUS Type 2 - Not Detected:

This does not completely exclude the possibility of infection as is dependent on an adequate specimen collection. If you have symptoms, please consult with your healthcare practitioner.

Page 3 of 3 Final Report Printed:May 27, 2022