

**Lab ID**  
**Patient ID** P000060  
**Ext ID** 26169-0572

Sex: Female • 56yrs • 01-Jan-70

Specimen type - Swab-Vaginal

Collected

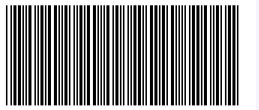
04-Jun-26 03:29pm

| TEST                | RESULT   | H/L                                                                                 | REFERENCE | UNITS |
|---------------------|----------|-------------------------------------------------------------------------------------|-----------|-------|
| pH                  | 4.4      |  | (3.5-4.5) |       |
| Bacterial Vaginosis | Negative |                                                                                     |           |       |
| Aerobic Vaginitis   | Negative |                                                                                     |           |       |

| SEXUALLY TRANSMITTED INFECTIONS (STIs) - PCR |              | OPPORTUNISTIC UROGENITAL MICROBIOTA - PCR |              |
|----------------------------------------------|--------------|-------------------------------------------|--------------|
| TEST                                         | RESULT       | TEST                                      | RESULT       |
| Chlamydia trachomatis                        | Not Detected | Mycoplasma hominis                        | Not Detected |
| Neisseria gonorrhoeae                        | Not Detected | Ureaplasma parvum                         | DETECTED     |
| Trichomonas vaginalis                        | Not Detected | Ureaplasma urealyticum                    | Not Detected |
| Mycoplasma genitalium                        | Not Detected | Other Viruses                             |              |
| Herpes Simplex Virus 1                       | Not Detected | Cytomegalovirus (CMV)                     | Not Detected |
| Herpes Simplex Virus 2                       | Not Detected | Varicella-Zoster Virus (VZV)              | Not Detected |
| Haemophilus ducreyi                          | Not Detected |                                           |              |
| Lymphogranuloma venereum                     | Not Detected |                                           |              |
| Treponema pallidum (Syphilis)                | Not Detected |                                           |              |

● Firmicutes Phylum ● Proteobacteria Phylum ● Bacteroidota Phylum ● Actinobacteriota Phylum ● Tenericutes Phylum ● Ascomycota Phylum

| Bacteria Viruses | Mycology | Sexually Transmitted Infections |
|------------------|----------|---------------------------------|
|                  |          |                                 |



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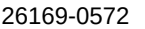
## Test Patient

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## OPPORTUNISTIC BACTERIA

| TEST                                                                                | RESULT | H/L                                                                                                 | REFERENCE | UNITS        |
|-------------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------------------------|-----------|--------------|
| Bacteria linked to positive-Bacterial Vaginosis                                     |        |                                                                                                     |           |              |
| <div><div></div><div>Gardnerella vaginalis</div></div>                              | <DL    | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | (<1.00)   | x10^5 CFU/ml |
| <div><div></div><div>Atopobium vaginae</div></div>                                  | <DL    | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | (<1.00)   | x10^5 CFU/ml |
| <div><div></div><div>Megasphaera species</div></div>                                | <DL    | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | (<1.00)   | x10^5 CFU/ml |
| <div><div></div><div>Prevotella species</div></div>                                 | 0.02   | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | (<1.00)   | x10^5 CFU/ml |
| <div><div></div><div>Bacterial Vaginosis-Associated Bacterium 2 (BVAB2)</div></div> | <DL    | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | (<1.00)   | x10^5 CFU/g  |
| <div><div></div><div>Mobiluncus species</div></div>                                 | <DL    | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | (<1.00)   | x10^5 CFU/g  |
| <div><div></div><div>Bacteroides fragilis</div></div>                               | <DL    | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | (<1.00)   | x10^5 CFU/g  |
| Bacteria linked to positive-Aerobic Vaginosis                                       |        |                                                                                                     |           |              |
| <div><div></div><div>Escherichia coli</div></div>                                   | <DL    | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | (<1.00)   | x10^5 CFU/ml |
| <div><div></div><div>Enterococcus faecalis</div></div>                              | <DL    | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | (<1.00)   | x10^5 CFU/ml |
| <div><div></div><div>Staphylococcus aureus</div></div>                              | <DL    | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | (<1.00)   | x10^5 CFU/ml |
| <div><div></div><div>Streptococcus agalactiae</div></div>                           | <DL    | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | (<1.00)   | x10^5 CFU/ml |
| <div><div></div><div>Streptococcus dysgalactiae</div></div>                         | <DL    | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | (<1.00)   | x10^5 CFU/ml |
| <div><div></div><div>Staphylococcus epidermidis</div></div>                         | 0.02   | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | (<1.00)   | x10^5 CFU/ml |
| Bacterial Vaginal Pathogens                                                         |        |                                                                                                     |           |              |
| <div><div></div><div>Haemophilus influenzae</div></div>                             | <DL    | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | (<1.00)   | x10^5 CFU/ml |
| <div><div></div><div>Klebsiella pneumoniae complex</div></div>                      | <DL    | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | (<1.00)   | x10^5 CFU/ml |
| <div><div></div><div>Leptothrix species</div></div>                                 | 0.02   | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | (<1.00)   | x10^5 CFU/ml |
| <div><div></div><div>Peptostreptococcus species</div></div>                         | 0.06   | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | (<1.00)   | x10^5 CFU/ml |
| <div><div></div><div>Proteus mirabilis</div></div>                                  | <DL    | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | (<1.00)   | x10^5 CFU/ml |
| <div><div></div><div>Pseudomonas aeruginosa</div></div>                             | <DL    | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | (<1.00)   | x10^5 CFU/ml |
| <div><div></div><div>Streptococcus pyogenes</div></div>                             | <DL    | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | (<1.00)   | x10^5 CFU/ml |
| <div><div></div><div>Streptococcus pneumoniae</div></div>                           | <DL    | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | (<1.00)   | x10^5 CFU/ml |
| Mollicutes                                                                          |        |                                                                                                     |           |              |
| <div><div></div><div>Mycoplasma genitalium</div></div>                              | <DL    | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | (<1.00)   | x10^6 CFU/ml |
| <div><div></div><div>Mycoplasma hominis</div></div>                                 | <DL    | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | (<1.00)   | x10^6 CFU/ml |
| <div><div></div><div>Ureaplasma parvum</div></div>                                  | 0.03   | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | (<1.00)   | x10^5 CFU/ml |
| <div><div></div><div>Ureaplasma urealyticum</div></div>                             | <DL    | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | (<1.00)   | x10^5 CFU/ml |



**Dr Test Doctor** ( Test Doctor ) Test Clinic. 123 Test Street, Test Suburb Victoria 3125

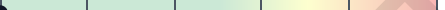
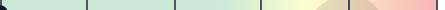
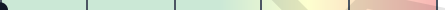
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## MYCOLOGY

| TEST                                                                                                   | RESULT | H/L                                                                                   | REFERENCE | UNITS        |
|--------------------------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------|-----------|--------------|
|  Candida albicans      | 0.00   |    | (<1.00)   | x10^5 CFU/ml |
|  Candida dubliniensis  | <DL    |    | (<1.00)   | x10^5 CFU/g  |
|  Candida glabrata      | <DL    |    | (<1.00)   | x10^5 CFU/ml |
|  Candida krusei        | <DL    |    | (<1.00)   | x10^5 CFU/ml |
|  Candida lusitaniae    | <DL    |    | (<1.00)   | x10^5 CFU/g  |
|  Candida parapsilosis | <DL    |   | (<1.00)   | x10^5 CFU/ml |
|  Candida tropicalis  | <DL    |  | (<1.00)   | x10^5 CFU/ml |

## BENEFICIAL BACTERIA

| SERVICE                  | RESULT | H/L |                                                                                                     | REFERENCE | UNITS        |
|--------------------------|--------|-----|-----------------------------------------------------------------------------------------------------|-----------|--------------|
| TOTAL LACTOBACILLI       | 0.63   | L   | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | (>1.00)   | x10^6 CFU/ml |
| Lactobacillus crispatus  | 0.60   | L   | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | (>1.00)   | x10^6 CFU/ml |
| Lactobacillus gasseri    | 0.00   | L   | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | (>1.00)   | x10^6 CFU/ml |
| Lactobacillus iners      | 0.02   | L   | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | (>1.00)   | x10^6 CFU/ml |
| Lactobacillus jensenii   | 0.01   | L   | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | (>1.00)   | x10^6 CFU/ml |
| Lactobacillus rhamnosus  | <DL    | L   | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | (>1.00)   | x10^6 CFU/ml |
| Lactobacillus salivarius | <DL    | L   | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | (>1.00)   | x10^6 CFU/ml |
| Lactobacillus vaginalis  | <DL    | L   | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | (>1.00)   | x10^6 CFU/ml |

● Firmicutes Phylum ● Proteobacteria Phylum ● Bacteroidota Phylum ● Actinobacteriota Phylum ● Tenericutes Phylum ● Ascomycota Phylum



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Vaginal Microbiome Comment

**Disclaimer:** The results of vaginal microbiome analyses are intended for informational and clinical interpretation purposes only. Microbiome testing reflects the composition of microbial communities at the time of sampling and may be influenced by sample collection, handling, storage, and test limitations.

This test is not a standalone diagnostic tool for infection or disease. Clinicians should interpret results in the context of patient symptoms, clinical examination, and complementary laboratory findings.

The laboratory's full scope of accreditation can be accessed via the relevant governing accrediting body's publicly available documentation.

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.

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.

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.

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.

UREAPLASMA PARVUM DETECTED:

Ureaplasma parvum is commonly part of the normal genital microbiota and often represents colonization rather than infection. It is more frequently found in asymptomatic individuals and is generally considered less pathogenic than Ureaplasma urealyticum. While its role in vaginal infections and pregnancy complications remains debated, it may be associated with non-gonococcal urethritis, bacterial vaginosis and may cause opportunistic infections in immunocompromised individuals. Clinical significance should be interpreted in context, and treatment is recommended if symptoms or relevant findings are present. Effective options include doxycycline or fluoroquinolones, as beta-lactams are ineffective due to the absence of a cell wall.

General advice for along with above treatment as follows:

- Regular salt or warm water only washes (no douching)
- Good personal hygiene
- Avoid irritants (soaps/perfumes)



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- Use barrier protection during sex

TOTAL LACTOBACILLUS LEVELS LOW:

Total Lactobacillus quantification should be > 1×10<sup>6</sup> CFU/ml in a healthy Vaginal Microbiome. Production of H<sub>2</sub>O<sub>2</sub> by Lactobacillus species is essential in inhibiting the overgrowth of pathogens. In cases where total Lactobacillus levels are low, presence of pathogenic bacteria should be reviewed and probiotic therapy should be considered. Microorganisms not belonging to the Lactobacillus genus with the population equal to or greater than 1× 10<sup>5</sup> CFU/ml is considered to be disturbing the vaginal ecosystem equilibrium.

Methodology

pH Electrode, Quantitative PCR (qPCR), Polymerase Chain Reaction (PCR)