



## Female EcologiX Information Sheet

Vaginal health and microbiome profile using quantitative real-time PCR (qRT-PCR) and enzyme-linked immunosorbent assay (ELISA) to provide an accurate, reliable and quantifiable measurement of microbiota abundance and host inflammatory markers.

The vaginal tract is host to over 200 species of microorganisms. Disruption of this microbiota composition and functions, termed dysbiosis, has been linked to a multitude of disorders, including: bacterial vaginosis (BV), premature delivery in pregnant women, infertility, miscarriages and increased risk of sexually transmitted infections (STIs). Analysis and monitoring of the vaginal microbiota is therefore extremely important for health and can be used to inform treatment plans and lifestyle factors.

The profile detects:

- Inflammation
- Abundance of four key Lactobacillus species associated with eubiosis
- Abundance of strictly anaerobic bacteria associated with dysbiosis
- Abundance of enteric bacteria associated with aerobic vaginitis
- Abundance of bacterial vaginosis associated bacteria

## BIOMARKERS

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- *Lactobacillus crispatus*
- *Lactobacillus iners*
- *Lactobacillus jensinii*
- *Lactobacillus gasseri*
- *Gardnerella vaginalis*
- *Bacteroides fragilis*
- *Mobiluncus mulieris*
- *Mobiluncus curtisii*
- *Streptococcus agalactiae*
- *Staphylococcus aureus*
- *Megasphaera 1*
- *Megasphaera 2*
- *Escherichia coli*
- *Enterococcus faecalis*
- *Atopobium vaginae*
- BVAB2
- *Prevotella bivia*
- *Ureaplasma urealyticum*
- *Candida albicans*
- *Candida parapsilosis*
- *Candida tropicalis*
- *Candida krusei*

**Sample type:** Vaginal Swab

**Turnaround time:** 10 days

**Lab:** Phylo Bioscience

**Cost:** £195