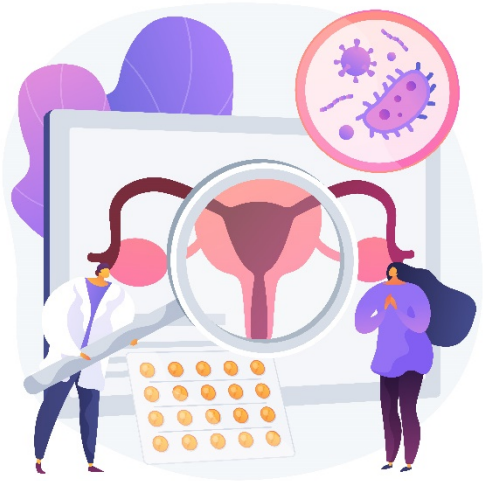
DNK s.r.o.
diagnostické centrum

Laboratory diagnosis of urogenital infections

by Real-Time PCR

Diagnosis of dysbiotic conditions of the urogenital tract by the Real-Time PCR method

The species composition of microflora and the relative content of microorganisms in the urogenital tract (UGT) of females are individual and change significantly throughout life. Some of these changes may be related to pathological dysbiotic conditions, which not only worsen a woman's quality of life, but also cause a number of inflammatory diseases of the pelvic organs and can lead to pregnancy complications.



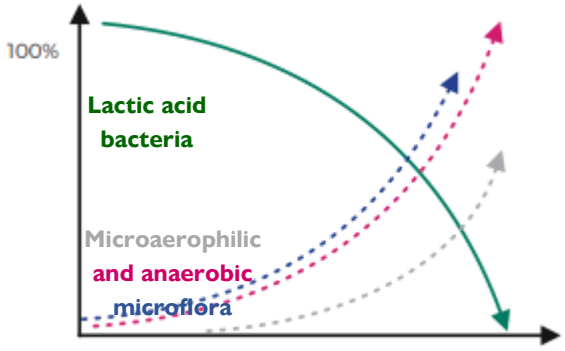
The most common disorders of the vaginal microecosystem in women of reproductive age are **bacterial vaginosis** and **aerobic vaginitis**, which differ in the composition of the opportunistic microflora.

Bacterial vaginosis

Gardnerella vaginalis
Atopobium vaginae
Prevotella spp.
Leptotrichia amnionii group

Aerobic vaginitis

Staphylococcus spp.
Enterococcus spp.
Streptococcus spp.



The dominant role in the microbiocenosis of the vagina play lactobacilli (LB), which produce lactic acid, hydrogen peroxide, lysozyme and other antimicrobial agents.

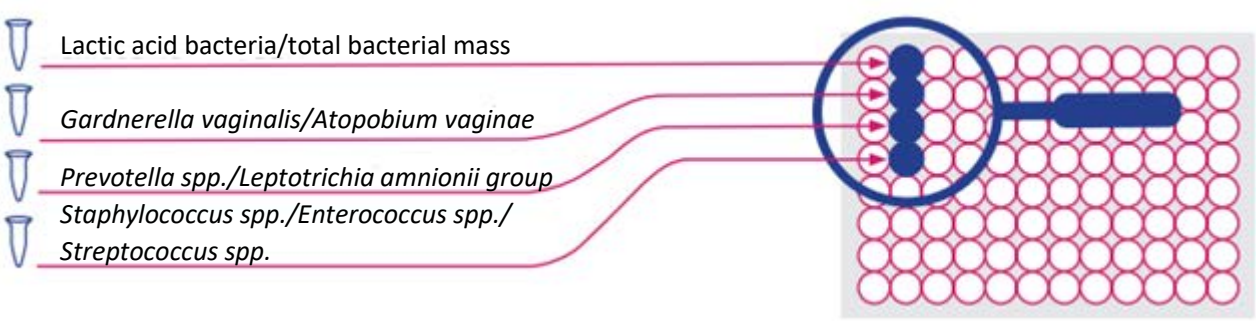
The development of dysbiotic states of UGT is in most cases accompanied by a significant decrease in the content of LB in the total bacterial mass and an increase in the concentration of several opportunistic microorganisms.

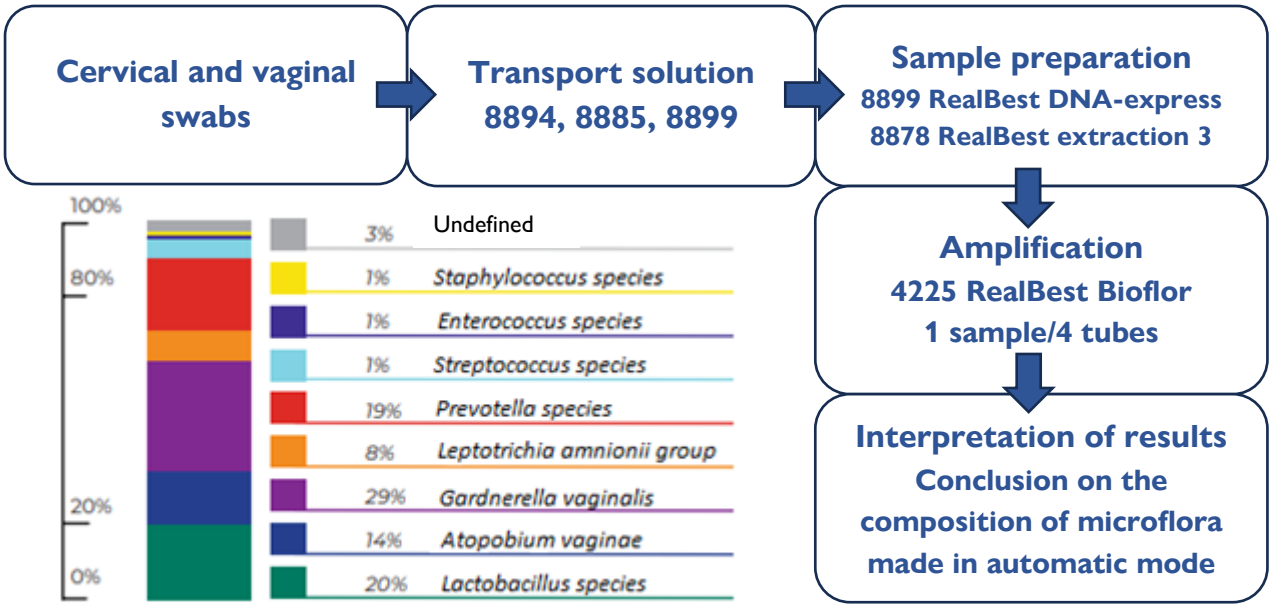
The use of the real-time PCR method makes it possible to assess the concentration of different types of bacteria in the sample, as well as to determine the ratio of opportunistic pathogens and lactobacilli in the total bacterial mass.

With the help of these indicators, it is possible to conduct differential diagnosis of bacterial vaginosis and aerobic vaginitis and, as a result, choose the right strategy for treating the patient.

Reagent kit "RealBest Bioflor" for the diagnosis of bacterial vaginosis and aerobic vaginitis

- 96 tests
- Ready Master Mix for PCR
- Plate format
- Automation option
- Storage at (2-8)°C, transport up to 26°C for max. 10 days





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