

## Gardnarella Vaginalis

### AMPLI-Gardnarella V.

Cat. n.1.622

Gardnerella vaginalis is a common bacteria in the vaginal flora.

G. vaginalis is a potential pathogen that can cause severe damage to the vaginal mucosa if the normal environmental acidity changes, normally maintained by lactobacilli physiologically present in the local flora. In this case the bacteria, keeping the vaginal PH between 3,8 and 4,5, are overtaken by a rapid growth of G. vaginalis. This clinical situation is known as bacterial vaginosis, a very common infection in the women of child-bearing age and characterised by greyish secretion.

The kit AMPLI-Gardnarella V. is based on PCR technique for the qualitative revelation of Gardnerella vaginalis in biological samples, particularly if there is an amplified of 335 bp for Gardnerella vaginalis and an amplified of 640 bp for the internal control band.

**Principle of method:** A) genomic DNA extraction B) amplification C) revelation on agarose gel.

**Applicability:** on extracted and purified DNA from epithelial cell, urethral, conjunctival samples, prostatic and seminal liquids, urine.

**Number of Tests:** 50

**Stability:** over 12 months if correctly stored.

### ANALYSIS OF RESULTS

The sample is positive for Gardnerella vaginalis DNA if the 335 bp band is observed on agarose gel, the presence of 640 bp band of the internal control indicates that the test is valid.



M: Ladder 100 bp

1: positive control for Gardnerella V.

2: negative control for Gardnerella V.

### REAGENTS AND STORAGE

AMPLIFICATION	
Mix PCR1	-20°C
Mix PCR2	-20°C
Taq Polimerase	-20°C
Sterile water	-20°C
Positive control	-20°C
Internal Control	-20°C

### References:

J Med. Microbiol. 2002, 51 (12)  
Curr. Clin. Top Infect. 2002, 24  
J Clin. Microbiol. 1994, 32.