



GARDNARELLA VAGINALIS REAL TIME PCR

RT AMPLI-SET-Gardnarella V.

Cat 1.622RT

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 Gardnerella vaginalis Real-TM is based on two main processes: the extraction of DNA from the samples and the amplification using Real-Time PCR, and the revelation by specific probe for Gardnerella vaginalis DNA and an internal control (IC). IC is the control amplification for every sample.

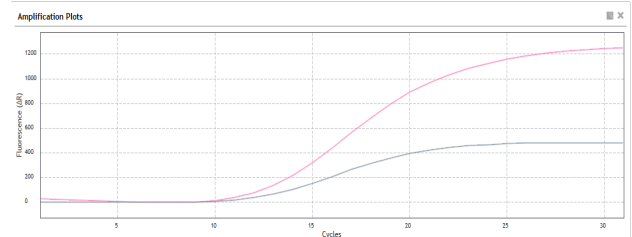
Principle of method:) genomic DNA extraction
B) amplification C) revelation by Real-Time PCR instrument

Applicability: on extracted and purified genomic DNA from whole blood.

Number of Test: 50

Stability: over 12 months if correctly stored.

POSITIVE SAMPLE PER GARDNARELLA V.



REAGENTS AND STORAGE

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

ANALYSIS OF RESULTS

-the signal of the Gardnerella vaginalis DNA amplification is revealed by FAM channel (pink Plot)
-the signal of the internal control amplification is revealed by JOE channel (grey Plot)

Controls	Ct channel FAM	Ct channel Joe	Result interpretation
Internal Control	Absent	Present	Valid
Controllo +	Present	Present	Valid
Controllo - (Sterile water)	Absent	Absent	Valid

References:

Nucleic Acids Res. 24:5021(1996)

BR.J Haematol 92:336 (1996)

Hemoglobin 19:237 (1995)

American J. Of Haematol 31:237 (1989)

American J. Of Haematol 37:133 (1991)