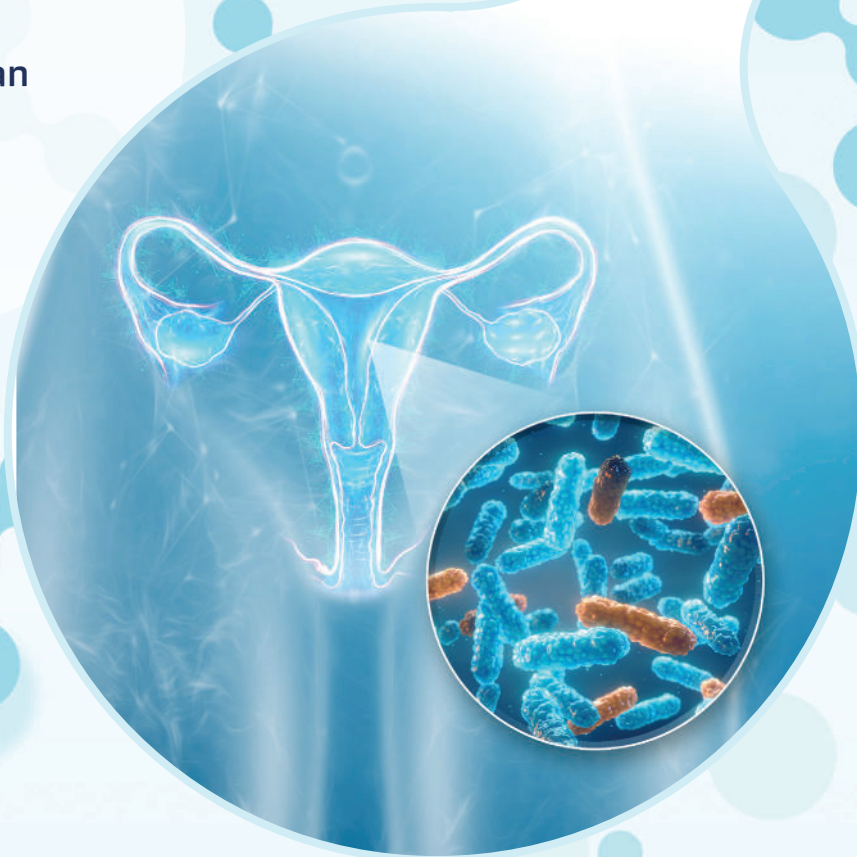


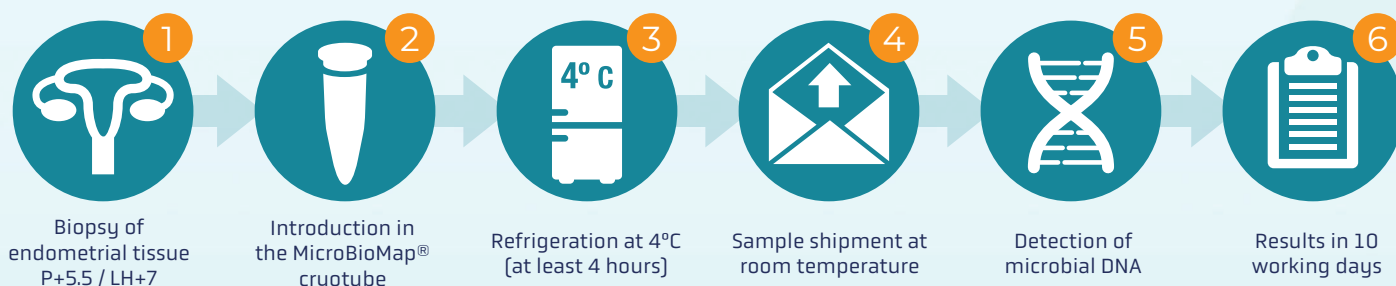
MicroBioMap® is a molecular test that analyses the microbial composition of the endometrium with an influence on female fertility.



This test analyses the presence of a set of microorganisms selected for their effects on female reproductive health using high-resolution quantitative PCR from an extraction of the microbial DNA present in the endometrium, and the level of each of the detected species is standardised per human cell.

The relative abundance of each of the detected microorganisms as a proportion of the total microbial community identified in the sample is also calculated.

The process





The endometrial microbiota

The study of the endometrial microbiota provides valuable information about the uterine environment and its suitability to receive the embryo. The presence of pathogens in the endometrial environment has been shown to be detrimental, being associated with Chronic Endometritis (CE). CD, in turn, is a factor considered to have a high impact on implantation failure, recurrent miscarriages and other pathologies or complications of pregnancy. Furthermore, the dominance of lactobacillus in pathogenic endometria may improve reproductive outcomes.

MicroBioMap® test description

MicroBioMap® is a molecular test that analyses the endometrium for the presence of 18 pathogenic microorganisms (fungi, bacteria and protozoa) involved in the development of chronic endometritis and, in addition, detects 4 species of lactobacillus, described as beneficial for reproductive health.

Benefits & value-added

The detection of pathogenic species potentially causing CD by means of the MicroBioMap® test allows the physician to choose a specific treatment for their elimination, preventing the development of the pathology and also achieving a significant improvement in the chances of success of assisted reproductive techniques in women suffering from this condition.

According to recent studies, Lactobacillus predominance may be an important marker of uterine health, associated with successful reproductive outcomes. The bacterial balance in the endometrium related to the richness of Lactobacillus in this tissue is also studied using the MicroBioMap® test.

Indications

MicroBioMap® is very useful for patients who have experienced implantation failure, recurrent miscarriages, suspected CD or for any patient undergoing an assisted reproduction cycle who wants to improve their reproductive options.

ENAC | Accreditation N° 1497/LE2766

According to the requirements of the UNE-EN ISO 15189 standard.



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