CENTOGENE
GUIDING PRECISION MEDICINE



Reproductive Health

CentoBiome

Minimally Invasive Endometrial Microbiome test

Endometrial microbiome testing to support personalized fertility care.

CentoBiome is a minimally invasive molecular test that detects clinically relevant microorganisms in endometrial fluid, providing actionable information to support personalized reproductive care.Growing evidence suggests that alterations of the endometrial microbiome may contribute to implantation failure, recurrent pregnancy loss and other adverse reproductive outcomes.[1,2]

1. Moreno et al., *Am J Obstet Gynecol* (2016). **2.** Moreno, García-Grau et al., *Microbiome* (2022).

Who can benefit from this test?

CentoBiome provides clinically relevant microbiological information to complement the evaluation of the endometrial factor and support individualized reproductive management. This test is especially indicated for adult women undergoing assessment in reproductive medicine, particularly those with:

- Recurrent implantation failure (RIF)
- Prior pregnancies with intrauterine infection
- Limited embryo number available
- Recurrent pregnancy loss (RPL)
- Suspected endometrial dysbiosis or chronic endometritis

Why CentoBiome?

CentoBiome provides standardized, clinically interpretable results to improve women's reproductive healthcare.

- Sample collection for a **greater patient comfort**
- **Room temperature** workflow
- **Detection** at species level
- **Clinical report** with actionable information
- Results in **7 business days***

*Please note that this may vary by country. Kindly confirm the applicable requirements with your local team.

How to collect the sample?

By aspirating approximately 50 µL of endometrial fluid using an embryo transfer catheter, minimizing patient discomfort and disruption to the uterine environment.

When to collect the sample?

During the secretory phase, when the endometrial microbiota is most stable and the endometrium is naturally receptive to embryo implantation.



Targeted Microorganism Profiling

Comprehensive profiling of clinically relevant microorganisms, including those associated with endometrial dysbiosis, chronic endometritis, sexually transmitted infections, and beneficial *Lactobacillus* species.

What to Expect? Result Categories

Eubiosis

Lactobacillus–dominated profile consistent with endometrial microbial balance; no microbiological intervention is indicated.

Low microbial signal

Low bacterial abundance signal with no evidence of microbial dysbiosis; probiotic strategies may be considered depending on the clinical context.

Dysbiosis

Predominance of potentially pathogenic microorganisms, consistent with altered endometrial microbial balance; personalized management may include targeted antimicrobial therapy and/or probiotics according to clinical judgment.

CentoBiome is an in vitro diagnostic medical device manufactured and used exclusively in the laboratory of CENTOGENE Spain S.L.U. (Paterna, Valencia, Spain) under Article 5(5) of Regulation (EU) 2017/746 (in-house device, IH-IVD). It is not placed on the market as a stand-alone product.

R&D partner with: Carlos Simon Foundation FOR RESEARCH IN WOMEN´S HEALTH

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centogene.com

For Ordering
es.centoportal-ivf.centogene.com

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