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**Igenomix**<sup>®</sup>  
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**ERA**<sup>®</sup>

Endometrial  
Receptivity  
Analysis  
**by Igenomix**

If you have had  
implantation failures,  
we can help you

Patented since 2009

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# What is the endometrium?

Problems with the endometrial lining are one of the leading causes of infertility in women. The interior of the uterus is lined with a tissue called endometrium, which is prepared each month for the arrival of an embryo and is the place where the embryo implants and resides during gestation. When this does not occur, menstruation begins shedding the endometrial lining.

# Endometrial receptivity

Sometimes embryo implantation in the endometrium does not develop successfully. This failure can occur for different reasons. A particularly important factor is endometrial receptivity. The endometrium is receptive when it is ready for embryo implantation to occur. This period of receptivity is called the window of implantation.

# What is the ERA test?

ERA is the first test developed to evaluate endometrial receptivity with published clinical efficiency

ERA is a diagnostic method developed and patented by Igenomix R&D department since 2009, after more than 10 years of research. This technique allows us to evaluate the endometrial receptivity status of a woman.

This biopsy is quickly and easily taken by gynaecologists in their consultation room.

In our laboratory, the sequencing expression of 248 genes involved in the endometrial receptivity is analyzed. **An in-house designed computational predictor analyzes the data obtained, classifying the endometrium as Receptive or Non-Receptive.**

If receptive, the window of implantation (WOI) is defined as the day on which the biopsy was taken, meaning **the embryo is capable of implantation in the uterus during this period of time.**

**A state of non receptivity means that the window of implantation is displaced.**

The ERA predictor will indicate your optimal WOI. Transferring an embryo at the optimal time maximizes your chances of achieving a pregnancy.



**73%**  
Pregnancy rate

# What are the advantages?

The ERA test resulted in a 73% pregnancy rate in patients with implantation failure.

# How can I access ERA?

Ask your gynaecologist for further information and to assess your case.

If you have any questions, contact us at:  
[www.igenomix.com](http://www.igenomix.com)

### Igenomix Publications:

- \*Ruiz-Alonso M. et al. - Fertil Steril 2013; 100(3): 818 - 24.
- \*Ruiz-Alonso M. et al. - Hum Reprod. 2014; 29(6): 1244 - 7.
- \*Clemente-Ciscar et al, 2018, submitted.