

# ERA<sup>®</sup>

Endometrial  
Receptivity  
Analysis  
by Igenomix<sup>®</sup>

If you have had  
implantation failures,  
we can help you

Patented since 2009

A woman with voluminous, curly brown hair is smiling warmly at the camera. She is wearing a light grey button-down shirt with her arms crossed. The background is a plain, light-colored wall.

**Igenomix<sup>®</sup>**  
WITH SCIENCE ON YOUR SIDE

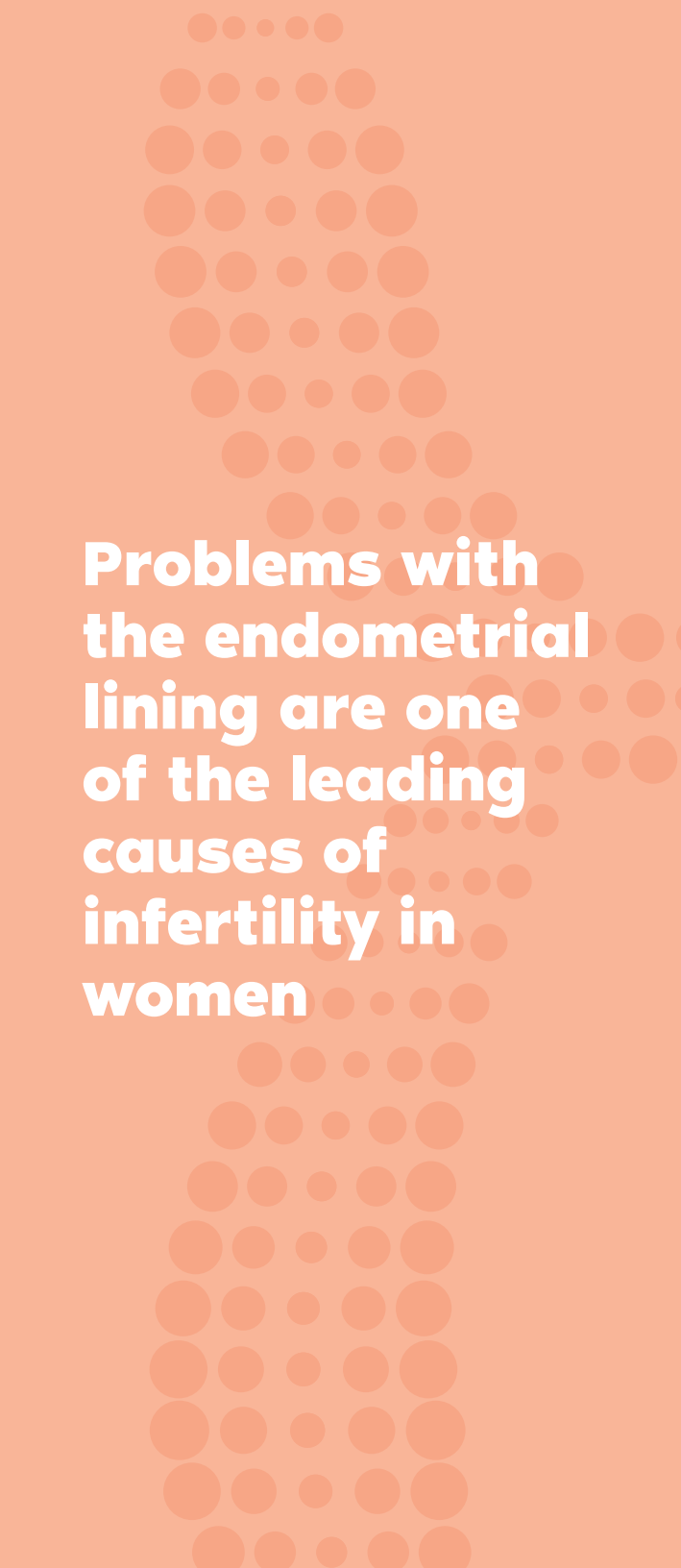
# What is the endometrium?

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 and the endometrial lining is shed.

## 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.





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# 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 physician in their office.

In our laboratory, we use Next Generation Sequencing to measure the expression of 248 genes involved in endometrial receptivity. **An in-house designed computational predictor analyzes the data obtained, classifying the endometrium as Receptive or Non-Receptive.**

An endometrium is receptive when it is ready for the embryo implantation, and this normally occurs during the window of implantation (WOI), around days 19-21 in each menstrual cycle of a fertile woman. However, the WOI can be substantially different from woman to woman and the incorrect timing of embryo transfer is one of the causes of recurring implantation failure.

**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 physician for further information.

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.

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