ER-Complete℠ Test

Identifying the right time and right environment for embryo transfer

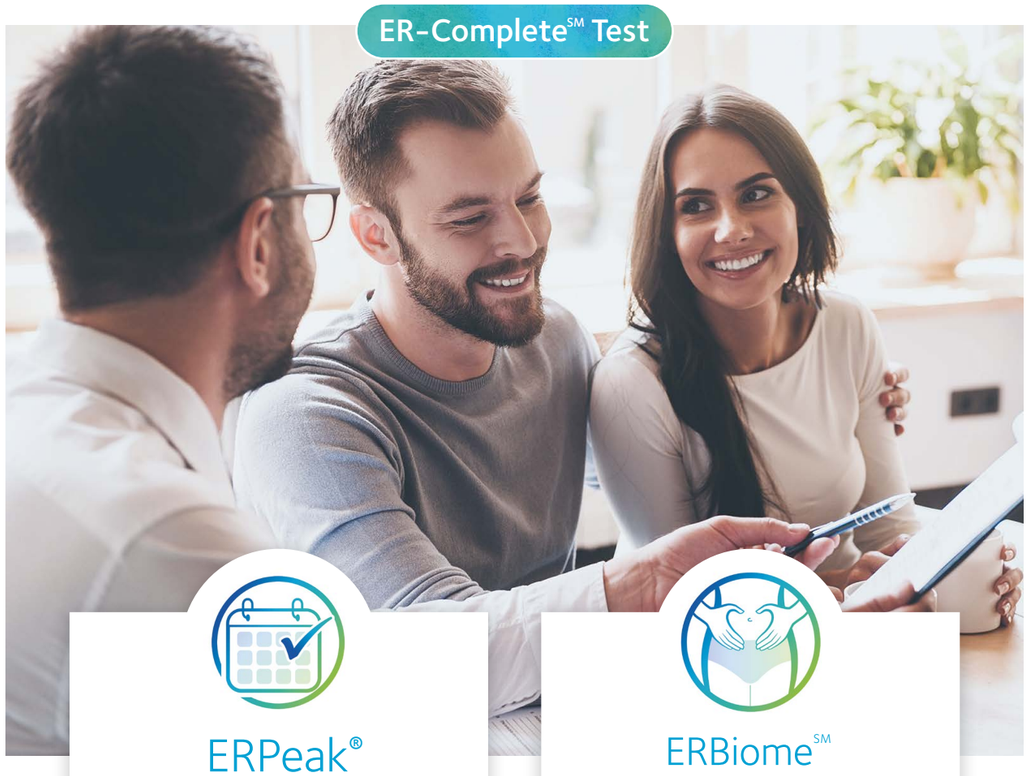
CooperSurgical®
Fertility Solutions

Comprehensive Endometrial Receptivity Testing

ER-Complete℠ test

Research has highlighted the importance of the interaction between the embryo and endometrium for successful embryo implantation during IVF.[1]

By using our ER-Complete℠ test, you are given an actionable and personalized treatment pathway for your patient. Three simple results from one endometrial biopsy helps provide you with the optimal time for embryo transfer and the ability to identify your patient's ideal endometrial environment.



ERPeak®

Choosing the **right time** for your patient's embryo transfer

ERBiome℠

Understanding if your patient has the **right environment** for embryo transfer

ER-Complete℠ Test

3-in-1 test for optimal endometrium and embryo transfer

ERPeak® Test

1. Window of Implantation

ERBiome℠ Test

2. Abundance of Lactobacillus
3. Reproductive tract pathogens

Helping patients with Recurrent Implantation Failure (RIF)

Using ER-Complete can be particularly helpful for RIF patients, giving them an improved chance of successful embryo transfer.[2]

CooperSurgical's ER-Complete offering gives you more personalized and actionable information for your patients.

ER-Complete℠ may also particularly help RIF patients with one remaining high quality embryo available for transfer.

1. K. Diedrich, B.C.J.M. Fauser, P. Devroey, G. Griesinger, on behalf of the Evian Annual Reproduction (EVAR) Workshop Group, The role of the endometrium and embryo in human implantation, Human Reproduction Update, Volume 13, Issue 4, July/August 2007, Pages 365–377,
2. Ohara et al, Clinical relevance of a newly developed endometrial receptivity test for patients with recurrent implantation failure in Japan. Reprod Med Biol, 2022

ERPeak® Test

Determining the peak endometrial receptivity

CooperSurgical's ERPeak® test identifies the best day to transfer an embryo by measuring the expression of relevant hormone regulated genes to determine when a patient's endometrium is most receptive.

This allows you to schedule your patient's embryo transfer during the time that their endometrium is most receptive.

5x **5 times fewer** unnecessary repeated mock cycles or invasive biopsies with our ERPeak® test compared to other test providers.[3]

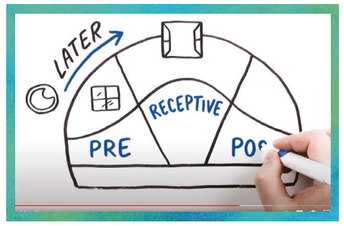
Window of Implantation

An embryo is most likely to implant during a period of time called the Window of Implantation (WOI). **43.5% of women** with RIF experience a displaced WOI and this may cause some embryos to fail to implant.[4]

ERPeak®

1 Window of Implantation

Our latest video gives your patients a visual guide to understand how identifying their window of implantation can help improve transfer success.



Watch it now at:
fertility.coopersurgical.com/genomics/erpeak-endometrial-receptivity-test/

3. ERPeak white paper, CooperSurgical, 2022
4. Ohara et al, Clinical relevance of a newly developed endometrial receptivity test for patients with recurrent implantation failure in Japan. Reprod Med Biol, 2022

Improving outcomes for RIF patients

In an independent study involving 550 RIF patients,[4] patients with CooperSurgical's ERPeak® testing observed significantly better outcomes vs patients not utilizing personalized embryo transfer:

2x **Clinical pregnancy rates doubled**

3x **Birth rates tripled**

50% **Miscarriage rates halved**

Easy result interpretation

Simple results provide an actionable and personalized guide for optimal time for embryo transfer.

Pre-Receptive

Receptive

Post-Receptive

ERBiome℠ Test

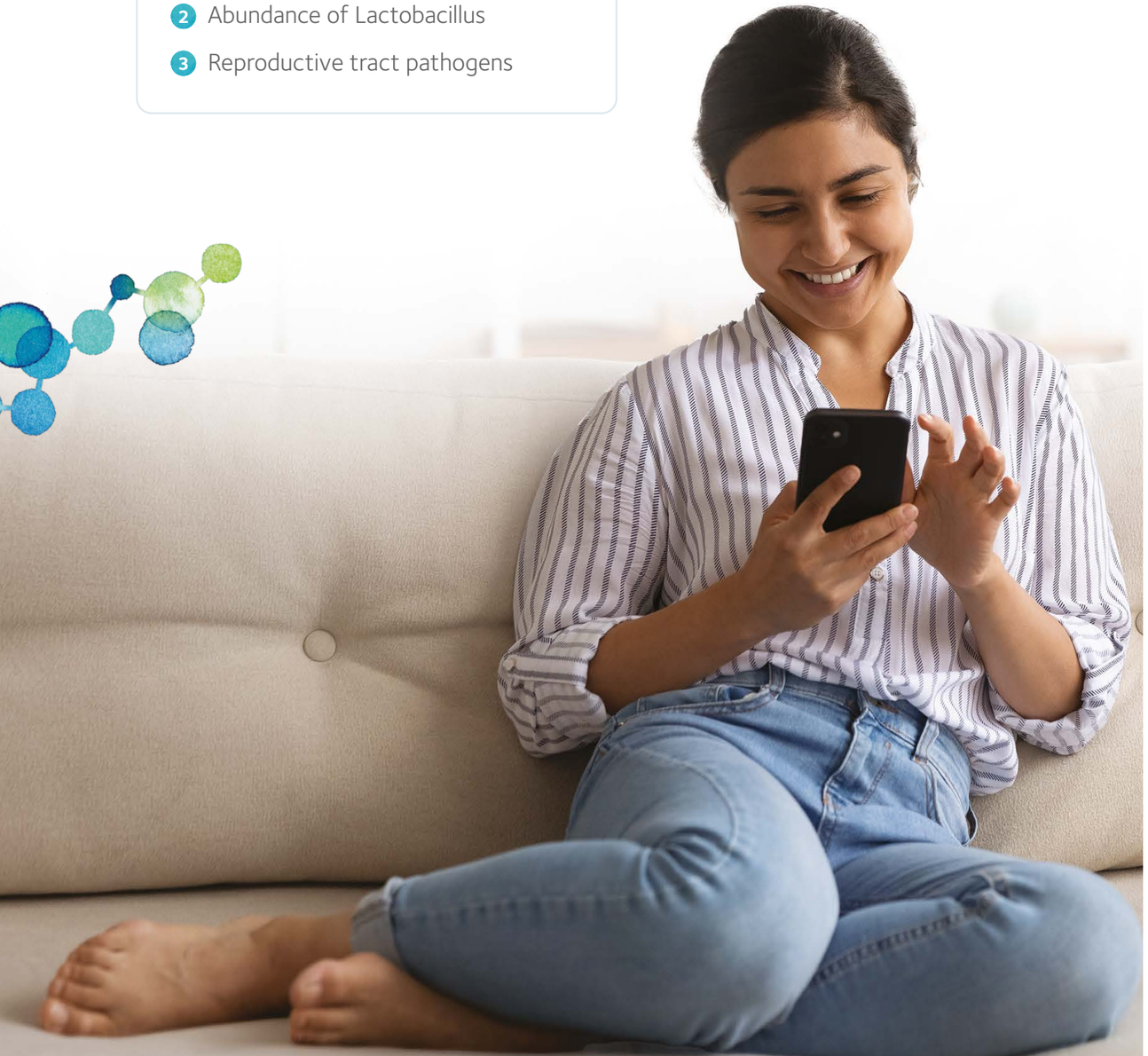
Determining the optimal endometrial environment

CooperSurgical's ERBiome test evaluates your patient's endometrial microbiome to guide your personalized treatment strategy. ERBiome helps you determine the:

- Relative abundance of lactobacillus
- Presence or absence of known reproductive tract pathogens

ERBiome℠ Test

2. Abundance of Lactobacillus
3. Reproductive tract pathogens

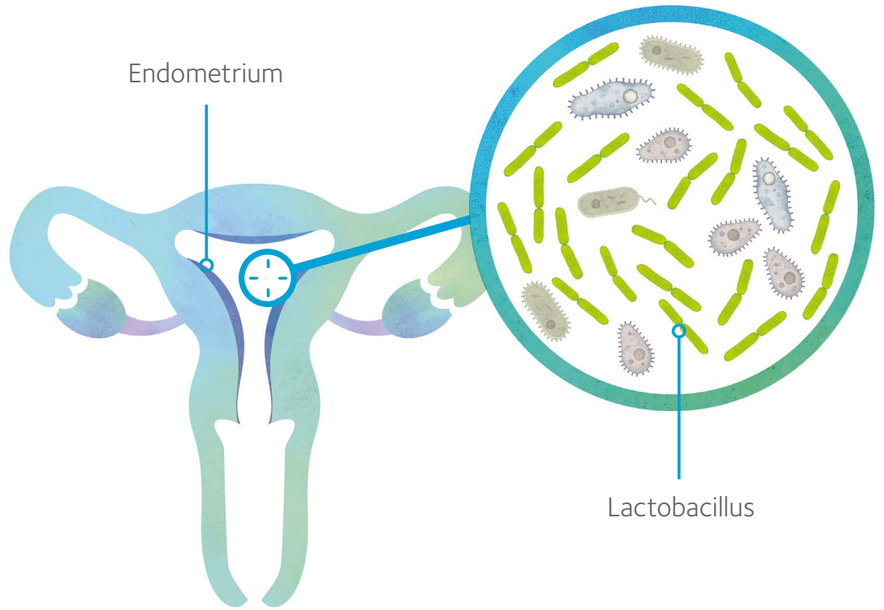


Importance of lactobacillus

A dominance of lactobacillus and absence of endometritis provides a favorable environment for implantation [5,6]

≥90% lactobacillus = **61%** implantation rate

<90% lactobacillus = **23%** implantation rate



Easy result interpretation

A Lacto-dominant or Non-Lacto-dominant result is given along with detected reproductive tract pathogens known to impact implantation outcomes.

The ERBiome test is considered a screening test and should not be solely used to diagnose or treat any condition

5. Moreno et al, Evidence that the endometrial microbiota has an effect on implantation success or failure. Am J Obstet Gynecol. 2016
6. Elnashar, A.M. Impact of endometrial microbiome on fertility. Middle East Fertil Soc J, 2021

Comprehensive Genetic Testing

Identifying the right embryo, right time, and right environment

Embryo

Feature	PGT-A	PGT-Complete℠
PGT-A via PGTai®	✓	✓
Parental QC		✓
2PN Check		✓
Parent of Origin of Aneuploidy		✓

Endometrium

Feature	ERPeak®	ERBiome℠	ER-Complete℠
Window of Implantation	✓		✓
Abundance of lactobacillus		✓	✓
Presence of known reproductive tract pathogens		✓	✓

To find out more, head to fertility.coopersurgical.com/genomics/er-complete or contact your local sales representative

CooperSurgical®
Fertility Solutions