

Information on the Uterine Immune Profile (UTIMPROtest)

(To be kept by the patient)

Nature of the Test

The proposed test analyzes the number, activity, and maturity of uNK cells (uterine natural killer cells), immune system cells that play a major role in embryo implantation. This test is carried out from an endometrial biopsy performed by your gynecologist during the implantation window (the period when the embryo can implant in the endometrium). The objective is to detect any imbalance in uterine immune receptivity that could cause embryo implantation failures. This diagnosis allows for a precise and personalized management of infertility, in order to restore endometrial balance and thus promote embryo implantation (40–50% increase in birth rates).

Indications for the Test

This assessment is particularly intended for:

- Women with repeated and unexplained implantation failures after several IVF/ICSI attempts or oocyte donation.
- Women with recurrent miscarriages.

Recommendations

The biopsy must be **performed during the implantation window**. We recommend carrying it out in a substituted cycle with at least 10 days of estrogen alone (started on the 1st day of menstruation) before introducing progesterone. The biopsy should then be performed one week after starting progesterone (or between day 6–9). If you choose a natural cycle or simple stimulation (FSH), the biopsy must be performed 8–11 days after the LH surge, 9–12 days after ovitrelle injection with luteal phase monitoring through progesterone assay (≥ 8 ng/ml, 48h before biopsy). **In case of a natural cycle biopsy, please inform us if menstruation occurs less than 4 days after the biopsy.**

The biopsy must be carried out on a cycle without embryo transfer or pregnancy attempt and must not be performed if:

- a biopsy was already performed in the luteal phase of the previous cycle (except in the case of follow-up treatment assessment)
- there was an intrauterine intervention (operative hysteroscopy, etc.) during the cycle
- anti-inflammatory drugs were taken during the cycle (except if prescribed as long-term treatment to be continued during pregnancy, or as part of follow-up assessment)

If a treatment (e.g., low-molecular-weight heparin) is recommended for your next transfer, it is advisable to perform the biopsy under this treatment to evaluate the uterine immune environment under the same conditions as the transfer.

Documents to Fill Out and Sign

Please make sure to use the same name on all forms and sample tubes.

Complete your address, phone number, and email (for billing) on the « Utimpro Test Information Sheet »

- Fill and sign the consent form for sample analysis.

Documents to Attach (MANDATORY)

For all submissions, please include: **A copy of your serology results for HIV, Hepatitis B (HBsAg, anti-HBc, anti-HBs), and Hepatitis C, which must be negative (or show immunity for Hepatitis B), dated within one year of the biopsy.** We accept cases of cured or chronic hepatitis if the viral load is undetectable. In this case, include a copy of the result confirming this. The copy of these results must include the name and signature of the biologist physician. Screenshots or electronic result printouts sent without these required details are not valid.

Sending the Samples

It is not possible to drop off samples at the laboratory (access is restricted to staff and authorized couriers).

The samples must be sent by regular mail or specialized courier (for patients with cured Hepatitis B) **and should ideally reach us within 48 hours of sending** (time frame relative to the day of sending). **The samples should be sent on the same day if possible (avoid sending at the end of the week or before holidays and stored in the refrigerator until sending).** **Do not send by registered mail requiring signature or by courier with signature (so that the envelope can be received by a doorman or in a mailbox).**

 **The envelope must contain:**

- The box containing the pouch with the small biopsy tube (**labeled with your full name and date of birth**)
- The completed **“MatriceLAB Innove”** receptivity assessment form
- The prescription signed by your doctor with the attestation signed by both you and your doctor
- A copy of your serology results less than one year old

Coverage

This test is not reimbursed by the French National Health Insurance (CNAM) at this moment and is therefore entirely at your expense (see prices below). However, check with your supplementary health insurance, as some providers may cover part of the analysis.

MatriceLab Innove prices from June 1, 2024 (VAT 20%)

	MLI 2026 Prices Europe	MLI 2026 Prices Non-European Countries (list 1)*	MLI 2026 Prices Non-European Countries (list 2)#
Initial Assessment Prices	650 €	900 €	750 €
Assessment under Therapeutic Treatment Prices	300 €	450€	400 €

**For countries including USA, UAE, Saudi Arabia, Qatar, Oman, Kuwait, Singapore, Australia, New Zealand, Japan, South Korea. ,

Countries outside Europe not included in list 1

Invoice

The invoice from *MatriceLab Innove* will be sent **by email approximately 2 weeks after the laboratory receives the biopsy (excluding periods of closure or health crises, see results section).** It will indicate the amount due and must be paid by bank transfer to MatriceLab Innove.

Results

- **The usual turnaround time for results is 3 weeks** (from the date the biopsy or complete file is received at the laboratory) **provided that payment has been completed in the meantime.** In some cases, this timeframe may be extended, particularly during Laboratory closure in the summer period (August) or End-of-year holidays or Delays in delivery of reagents and consumables (e.g., during a health crisis). For updates, visit our Facebook page or contact your doctor.
- **In less than 5% of cases, a result cannot be obtained due to** Low quantity or poor quality of the biopsy (e.g., RNA degradation, necrotic tissue) or Biopsy performed in the wrong phase of the cycle.
In such cases, you will not be billed, **and if you wish to repeat the test, you must wait a full cycle, meaning the second biopsy can only be performed 2 months after the first.**
Validity of results: Uterine immune status may vary over a lifetime and can be influenced by many factors. **The current uterine immune profile is therefore valid for 6 months, provided there are no major intercurrent events** (e.g., uterine surgery, pregnancy, pelvic infection). Beyond this period, it must be updated to guide personalized attempts.

Contact

For any questions, you can reach us:

By phone: 06 41 67 46 25 ((Monday–Thursday 9:00–12:00, Friday 9:00–11:00)

By email: matricelab@gmail.com

You can also consult our website: www.matricelabinnove.com or Facebook page: www.facebook.com/MatriceLab?fref=nf or Instagram: www.instagram.com/matricelab_innove/