ovobank
Leading Worldwide Donor Gamete Bank

The Most Competitive Donor Gamete Bank Worldwide

ABOUT **OVOBANK**

Ovobank is the world's largest gamete bank. It was founded in 2012 to provide solutions for assisted reproduction clinics and to support patients in the search and selection of donors for their treatments. **Ovobank** helps optimize fertility treatments through the quality of its gametes and the efficiency of its logistics and shipment management system. Today, it is trusted by more than 480 centers worldwide.

Ovobank collaborates with more than 480 assisted reproduction clinics around the world, providing open-identity or closed-identity egg donation programs, in accordance with the laws and regulations of each country.

Ovobank has innovative facilities and state-of-the-art equipment, enabling us to provide the highest quality service within our laboratories.

We also operate several donor clinics located at strategic points around the world, ensuring broad international coverage and efficient access to our services.

UNE 179007 BUREAU VERITAS Certification

ISO 9001 BUREAU VERITAS Certification

FDA FEI 3015983355

Artemide The quality pathway to excellence

N° 000087

REDLARA

WHY CHOOSE **OVOBANK?**

ADVANTAGES AS A COLLABORATING CENTER

- Continuos training and 24/7 support to optimize your laboratory's success rates
- Strengthening your center's reputation and leadership at an international level

PATIENT BENEFITS

- Guarantee Programs
- Extensive Genetic Analysis
- Large Donor Pool
- Safe and Fast Shipments

ovolearning
Thinking about the future

SPECIALIZED TRAINING

In your own laboratory to help improve your success rates

A Egg Bank Focused on Patients and Partner Clinics

Ovotracker

Ovotracker is a platform that enables real-time monitoring of the transportation of biological samples, ensuring their security and traceability while streamlining the management of orders and reports for partner centers.

OvobankID

OvobankID is an international gamete bank that connects clinics and patients with a large database of donors selected through rigorous medical and genetic screening protocols.

Ovolearning

Ovolearning is Ovobank's educational platform for embryologists and assisted reproduction professionals, offering online and in-person courses delivered by experts and based on real-world practice.

OUR **SERVICES**

At **Ovobank**, we understand that every fertility treatment is unique, and that both clinics and patients require personalized, safe, and effective solutions. That's why we have developed a range of services designed to comprehensively meet the needs of assisted reproduction professionals and their patients.

Batch

A large donor pool, the number of eggs you need for your process

Multi Phenotypes

Thanks to our strategic donor recruitment points

Profile Exclusive

Possibility to block donors for a single patient

Guarantee Program

Clinical pregnancy programs to ensure the outcome of your egg donation treatment

BENEFITS

No waiting lists to be matched with the ideal donor for your treatment.
Ovobank offers a wide database of donor phenotypes, which can be selected by the patients or by the fertility clinic.

Flexible Pricing

Flexible pricing designed to fit your market and support the best patient experience.

Quality Systems

Innovative and stringent systems for storage, transportation, and traceability.

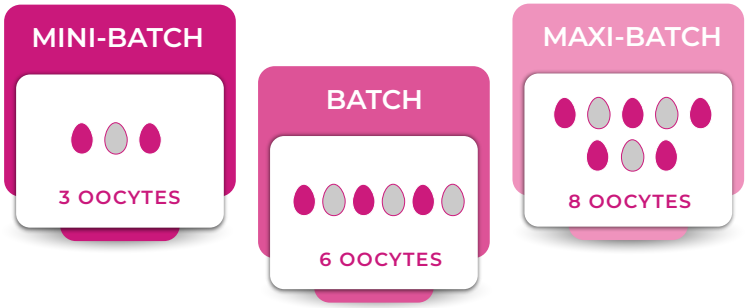
Rapid Reponse

Supported by the **Ovotracker** system and the ongoing expertise of our specialized team.

TYPES **OF BATCHES**

We offer partner centers and patients oocyte batches in varying quantities to efficiently meet their specific needs.

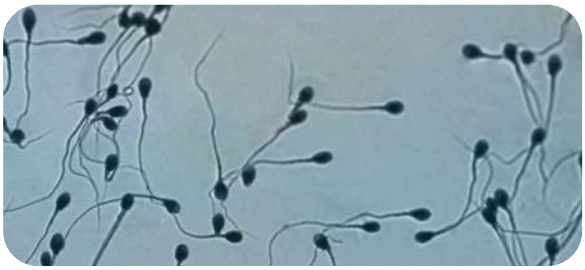
We only ship vitrified oocytes in metaphase II, following a thorough quality screening that ensures optimal morphological quality.



OVOBANK **RATE**

Pregnancy rates with vitrified oocytes do not differ from those achieved with fresh oocytes, thanks to significant improvements in vitrification protocols through the implementation of the "Universal Warming Protocol". In recent years, oocyte cryopreservation has become a viable option, with a survival rate close to 97%.

DONOR SEMEN **STRAWS**



Ovobank offers two types of **premium semen straws**, available for worldwide shipping through the state-of-the-art cryopreservation techniques developed in our laboratories.

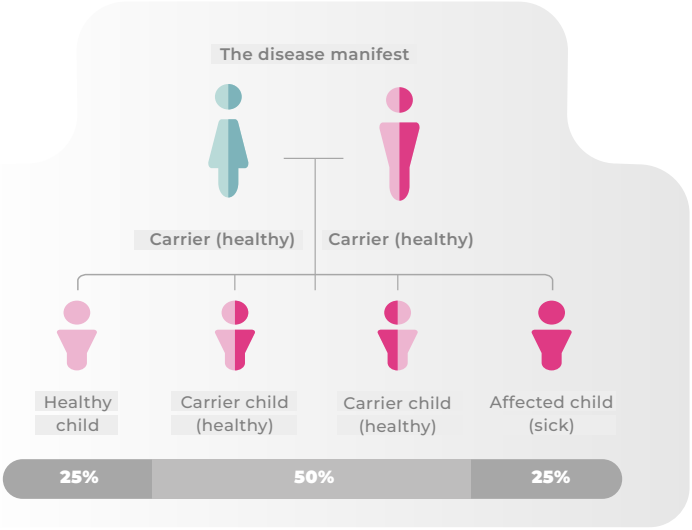
*Special samples available: semen straws processed using FISH technology to exclude spermatozoa with chromosomal abnormalities. Other advanced techniques are available upon request.

Semen samples containing a minimum of 20 million progressively motile spermatozoa.

Ready-to-use semen samples containing a minimum of 6 million progressively motile spermatozoa.

GENETIC **STUDIES**

In our ongoing effort to optimize the safety level of our donated oocytes, since December 1, 2016, we have conducted carrier screening for recessive mutations* (Genetic Compatibility Testing) on new donors to minimize the transmission of genetic diseases to children born from donated eggs.



THANKS TO THESE TESTS:

We can exclude from the egg donation program candidates who are carriers of any of the autosomal recessive mutations studied in the panel, corresponding to the following diseases:

Cystic Fibrosis

Spinal Muscular Atrophy

Alpha Thalassemia

Beta Thalassemia

X-linked diseases (Fragile X or G6PD, among others)

Non-syndromic deafness (donors screened up to October 1, 2019)

GENETIC COMPATIBILITY TEST:

Additionally, at the patient's request, we can perform a genetic compatibility test between the donor and the recipient patient's partner. This test compares their genetic profiles to ensure they do not carry the same recessive mutations screened, thereby minimizing the risk of passing on a genetic disorder.

The vast majority of our donors have undergone "Exome" sequencing, enabling broad compatibility with the various genetic screening panels currently available on the market.

Additionally, any other genetic testing or diagnostic analysis can be incorporated upon request from our Partner Centers, whenever required.

OUR **DONORS**

All **Ovobank** donors are women between 18 and 32 years of age and men between 18 and 35 years of age, in good physical and mental health, who have undergone comprehensive gynecological, psychological, serological, and genetic screening.

Due to our stringent selection and exclusion criteria, only **30% of donor candidates** are ultimately deemed eligible.

01.	**Donation**	Donations are carried out in specialized medical facilities, minimizing potential risks. Laboratory staff immediately process and prepare the collected gametes for cryopreservation, ensuring optimal quality and viability.
02.	**Treatment**	The well-being of our donors is our top priority. All procedures are tailored to each donor's individual profile, taking into account hormonal evaluations, BMI, and other relevant factors when applicable, ensuring the highest standards of safety and care.
03.	**Exclusion Criteria**	Due to our rigorous screening and selection process, only 30% of donor candidates who apply to Ovobank are ultimately accepted into our donor program.
04.	**Initial Evaluation**	All donor candidates undergo an initial assessment and interview to identify any potential psychological disorders. In addition, personal and family medical histories are reviewed to exclude candidates with transmissible diseases or hereditary psychological conditions.
05.	**Screening and Medical check-up**	Our donors undergo a comprehensive medical evaluation conducted by a gynecologist or urologist, including hormonal assessment, a complete gynecological or urological examination, laboratory testing, and serological screening.
06.	**Blood Test**	Blood testing is an essential part of the screening process and includes a complete blood count, biochemistry, coagulation profile, serological screening, up-to-date genetic testing, and other relevant diagnostic assessments.
07.	**Psychological Study**	Through an extensive personal interview and comprehensive psychological assessment, we screen for psychiatric and psychological disorders, as well as inappropriate lifestyle habits.

DONOR **SELECTION PROCEDURE**

INFORMATIVE VISIT | GYNECOLOGICAL EVALUATION | PSYCHOLOGICAL EVALUATION | BLOOD TESTS

PATHOLOGICAL ANATOMY

CYTOLOGY

CULTURE

Gonorrhea | Chlamydia | Ureaplasma | Mycoplasma

HEMOGRAM

ERYTHROCYTE SERIES

Mean corpuscular volume (MCV)
Mean Corpuscular Hemoglobin (MCH)
Mean corpuscular hemoglobin conc. (MCHC)
Red blood cell distribution width (RDW)

Red blood cells
Hemoglobin
Hematocrit

LEUKOCYTES SERIES

White blood cells
Neutrophils
Monocytes
Eosinophils
Basophils
Lymphocytes

PLATELET SERIES

Platelets | Mean platelet volume (MPV)

IMMUNOHEMATOLOGY

Blood group | Rhesus factor Rh

BIOCHEMISTRY

Creatinine
Urea
ALT / GPT
AST / GOT
Glucose
Triglycerides
Total colesterol
HDL

COAGULATION

Prothrombin activity	International ratio (INR)	Partial thromboplastin time (PTT)	Cephalin ratio (aPTT)

SEROLOGY

Ag Surface HepB	HIV I + II	Ab Core IgM HepB	Ab Total HepC
Ab Surface HepB	LUES (syphilis)	CMV IgG e IgM	Ab Rubella
Ab Core IgG HepB	HTLVI - II	Ab toxoplasmosis	Ab Herpes Simplex

SARS COV-2 (Ag/PCR)

BLOOD TESTS IN REAL TIME (NAT´S)

HIV I + II | HEPATITIS B | HEPATITIS C | WNV | Treponema PCR/ADN

SERUM BANK

GENETICS

G6PD
Fragile X
Karyotype
Cystic Fibrosis
Genetic Compatibility Test*
Hemoglobin Electrophoresis
HLAC

** Recombine, Heres, Q-Carrier, Precongen, Igenomix (tests). We perform all blood tests legally required in accordance with each country's regulations.*

DONOR **SELECTION PROCEDURE**

INFORMATIVE VISIT

GYNECOLOGICAL EVALUATION

PSYCHOLOGICAL EVALUATION

BLOOD TESTS

SEMEN ANALYSIS + CRYOPRESERVATION AND THAWING TEST

CULTURE

Gonorrhea | Chlamydia | Ureaplasma | Mycoplasma

HEMOGRAM

ERYTHROCYTE SERIES

Mean corpuscular volume (MCV)
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VITRIFICATION

Vitrification is the most effective method for oocyte cryopreservation. It currently offers the highest survival rates, up to 97%. It is so safe and straightforward that it can be performed in any assisted reproduction clinic, provided that the thawing protocols established by Ovobank are followed.

Vitrification has revolutionized the field of cryobiology, enabling the successful cryopreservation of oocytes and embryos.

FRESH VS FROZEN OOCYTES

• Donor search • Selection protocols • Psychological tests • Medical tests • Blood tests • Ultrasound scans	**Time**	No waiting list
Synchronization with the recipient required	**Cycle preparation**	No synchronization required
Limited	**Donor pool**	Large donor pool
Poor availability	**Phenotype availability**	Available donors
Uncertain quantity	**Recovered mature oocytes**	Always 6-7 mature oocytes
Approximately 15%	**Cycle cancelation rates**	0%
• Tests, analytics, etc. • Medication • Egg retrieval • Economic compensation	**Costs**	Significant cost reduction
Limited	**Availability**	100%
Waiting list	**Patient recruitment**	Increased by the reduction in time required for treatment

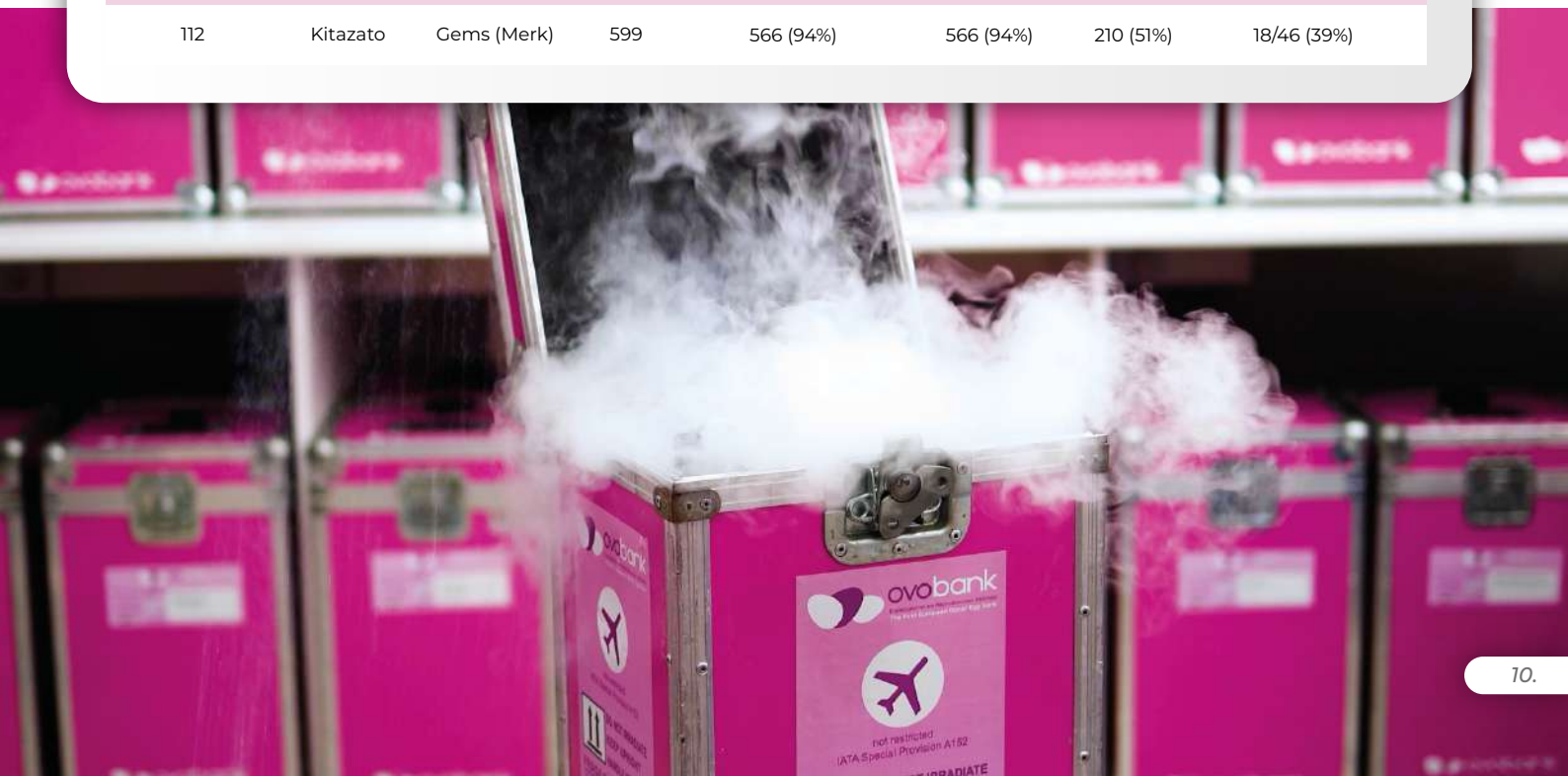
THE UNIVERSAL **WARMING PROTOCOL**

Ovobank is continuously researching the viability of its vitrified oocytes and the corresponding vitrification and thawing protocols. Because of this, and always focused on improving the results of our collaborating centers, Ovobank initiated a study based on the "Universal Warming Protocol" in which we tested the effects of freezing oocytes using the media of a given manufacturer and its subsequent thawing using media from other manufacturers.

As a result of this study, it was concluded that we could vitrify oocytes with media from a given brand and thaw them with media from other brands without the survival rates being affected. This study, aimed at further improving thawing techniques, is constantly being updated. The findings are regularly sent to our collaborating centers, so they can apply them in their work with Ovobank oocytes.

In addition, our laboratory team, headed by our director, Enrique Criado Scholz, has been invited to present the conclusions of the study at congresses in different countries, such as Italy, Portugal and Poland.

TREATMENTS	VITRIFICATION	WARMING	OOCYTES	SURVIVING OOCYTES	FERTILIZED	BLAST0CYST	POSITIVE CLINICAL PREGNANCY
117	Kitazato	Kitazato	784	705 (90%)	705 (90%)	302 (55%)	38/76 (50%)
200	Kitazato	Omni Vitrolife	1.131	1.091 (97%)	1.091 (97%)	478 (56%)	38/66 (58%)
126	Kitazato	Irvine	250	218 (87%)	218 (87%)	103 (59%)	12/21 (57%)
126	Kitazato	Sage	886	854 (96%)	854 (96%)	396 (58%)	33/68 (49%)
112	Kitazato	Gems (Merk)	599	566 (94%)	566 (94%)	210 (51%)	18/46 (39%)



TYPES **OF SHIPMENTS**

Ovobank uses specially designed shipping boxes for the transport of reproductive cells. Developed in-house by our R&D&I team, these boxes provide enhanced protection for the containers carrying oocytes and semen straws, ensuring maximum safety throughout the shipping process.

Standard Courier Service

An external courier company collects Ovobank's customized shipping boxes and delivers them to the partner clinic within 24 to 48 hours.

Lab2Lab Air

The boxes are transported by Ovobank personnel in the aircraft cabin, avoiding exposure to X-ray screening, from our laboratory directly to the partner clinic's facilities.

Lab2Lab Ground

This service is carried out by road using a specially adapted vehicle for the transportation of cryopreserved reproductive cells. Deliveries are made in person by Ovobank personnel.

Security, Traceability and Control for your Shipment

TOOLS THAT
MAKE A DIFFERENCE

Ovobank provides tools designed to optimize daily workflow. **Ovolabel and Ovoscan** streamline operations by automating sample batch identification, reducing the risk of human error.

At the destination, the person responsible for receiving the shipment can scan the barcodes of all items included in the consignment to verify that the shipment contents are correct, ensuring full traceability and validation of **Ovobank** deliveries.

ovoscan

Application that enables fast and secure verification of shipment contents through Ovolabel barcode scanning.

ovolabel

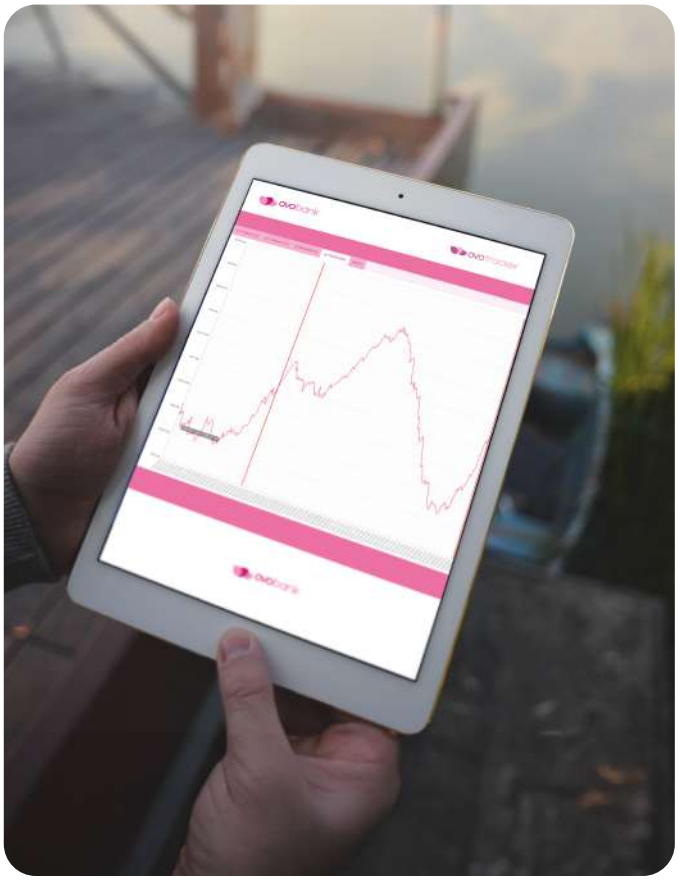
Automated, error-free printing system for all labels required for cryotop identification.

ovotracker

Ovotracker is a pioneering telematics system developed by Ovobank's R&D&I department to monitor every stage of the sample journey, from the moment a request is received by Ovobank until the samples reach their destination.

Thanks to this tool, precise information can be obtained on key parameters such as temperature, humidity, atmospheric pressure, and the GPS location of each shipment, automating the process and minimizing human error.

Through the Ovobank website, partner clinics can place sample orders, download relevant reports, and use Ovotracker to monitor and ensure the security of their shipments in real time.



HOW TO BECOME
A PARTNER CLINIC

At Ovobank, we work alongside fertility clinics and assisted reproduction centers worldwide, providing access to an extensive international donor egg bank that meets the highest standards of quality, safety, and traceability.

01 **Contact our team:** Our commercial and medical teams will assess your clinic's needs and guide you through every step of the integration process.

02 **Partnership Agreement:** We establish a transparent collaboration framework tailored to the regulations and requirements of your country and clinic.

03 **Access to the OvobankID Platform:** Your clinic will receive exclusive access to our digital platform, where you can browse donor profiles, check availability, review guarantees, and manage orders quickly and securely.

04 **Training and Ongoing Support:** We provide personalized guidance, operational training, and continuous assistance to ensure a smooth and efficient experience.

05 **Start Ordering:** Your clinic will be able to select donors and receive vitrified oocytes through specialized, fully traceable international shipments.

Together, we make more family stories possible

HOW TO USE OVOBANKID **AS A PATIENT**

OvobankID provides you with secure and transparent access to the information that matters most.

01

Access Your OvobankID Platform

Receive your login credentials to access OvobankID. Through the platform, you will be able to view all information related to the oocytes assigned to your treatment.

02

Identify Your Treatment

Once logged in, you can view your treatment record, including the selected oocytes, the clinic, and available documentation.

03

View Donor Information.

Access authorized donor information, in accordance with the legislation of the country where your treatment is being carried out.

04

If the Donation is Anonymous

You will only be able to view authorized non-identifying information, such as phenotypic characteristics, relevant medical data, and donation traceability.

05

If the Donor's Identity is Open

Where permitted by law, you can securely access the donor's identity and available documentation, subject to applicable legal requirements.

06

Keep Your Information Always Available

OvobankID securely stores your treatment documentation and data, providing easy access to relevant information throughout the process.

OvobankID features an egg bank tailored to each country's regulations, offering open-identity or **closed-identity donors**, as applicable. The platform is only available in markets where open-identity donation is permitted by law.

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www.ovobank.com

Group Headquarters Awards

European awards in medicine 2021
Medicine Category

Isaac Peral National Research, Science and Innovation Awards 2021

A Tu Salud Award 2019
Reproductive Medicine and Fertility Category

Andalucía Excellence Award 2018
Medicine Category

National Medical Awards 2018
Reproductive Medicine Category

National Medical Awards 2019
Reproductive Medicine Category