



HIGH TECHNOLOGY AND INNOVATIVE SERVICES  
FOR CRYOGENIZED BANKING OF ADIPOSE TISSUE





# lipobank

LIPOBANK® is the first European company  
**authorized to offer a complete service for  
processing, cryopreservation and defrosting of  
autologous adipose tissue**  
in accordance with current regulations

LIPOBANK® is a partner of the Emilia-Romagna Region's  
**Banca della Cute**, Italy's largest accredited  
public bank for tissue cryopreservation

LIPOBANK® has set up a permanent observatory for science-based  
research in transplant medicine and we ensure  
**total safety and reliability**,  
improving the effectiveness of treatment and the patient's quality of  
life by basing its business on respect for ethical and social values



# innovation

Intrarticular infiltration of processed autologous adipose tissue has been a **proven treatment of recognized therapeutic efficacy** in orthopedics for several years.

Adipose tissue infiltration plays a **key role** in treating the inflammatory process and containing the degenerative pathology of osteoarthritis.

Because the therapeutic effect and complete disappearance of pain symptoms, subsequent to a single infiltration, are not definitive, it is necessary to repeat infiltrations several times to maintain a lasting benefit over time.

LIPOBANK® offers an **innovative therapeutic protocol** of harvesting, cryopreservation and thawing of processed autologous adipose tissue using advanced procedural systems and patented technologies.

# One surgery, five years

**FAT® Frequent Adipose Treatment** is LIPOBANK®'s innovative protocol that transforms an autologous adipose tissue graft into a systematic and continuous treatment.

Thanks to the FAT® protocol, safe, periodic, effective, and long-lasting therapy for at least **five years** can be planned with a **single adipose tissue sampling**.

FAT® is the only **authorized protocol** that guarantees the patient with a single withdrawal successive and periodic infiltrations for the treatment of various pathologies in orthopedics, dermatology, vascular surgery, general and in the field of cosmetic surgery (lipofilling techniques).



LIPOBANK® with its **FAT**® protocol, supports the physician and patient in all phases of treatment, from prescription to execution, through a 360-degree approach that integrates state-of-the-art products and services.

take  
aspirate and Process

cryogenizes  
aliquots and Preserves

traceability  
identifies and records

thaws  
controls and purifies

delivers  
plans and certifies



# the harvesting of adipose tissue

The patient undergoes liposuction surgery to harvest the adipose tissue needed for the longstanding **FAT<sup>®</sup>** treatment protocol.

The harvested tissue can be processed directly in the operating room or within the bank where it is then cryopreserved. Using **LIPOACT<sup>®</sup>**, the new procedural kit, the processed tissue is collected in multiple aliquots through a closed-loop system ensuring **maximum safety** in terms of sterility.

During the collection, which will last about 40 min , the surgeon can immediately perform an initial infiltration and then schedule according to the treatment needed, subsequent ones.



# cryopreservation

Adipose tissue is cryopreserved in individual aliquots through innovative and patented cryopreservation methods by dedicated and highly trained staff

Cryopreservation is carried out ensuring the highest levels of sterility in compliance with specific authorized protocols.

# defrosting

LIPOBANK® has patented an innovative defrosting method, through which fat tissue is restored to room temperature while **maintaining all of its original properties.**



# traceability

Before cryopreservation of the processed adipose tissue, careful sterility and traceability checks are carried out-directly within the Bank where the tissue is then stored.

In this way, the bank accurately preserves and tracks the tissue (with computerized processes), guaranteeing its integrity for the next five years

# delivery

1

The doctor, with the patient, contacts LIPOBANK® to plan therapeutic treatments

2

LIPOBANK® activates the defrosting procedures at the Bank and delivers the tissue in the required dosage, according to multiple standards

3

The tissue, guaranteed by a safe and highly controlled supply chain, once thawed will be infiltrable within 48 hours.



# a future of wellness

By undergoing FAT<sup>®</sup>, the patient benefits from a **single liposuction procedure**, continuous and effective therapy **for five years.**

After the first infiltration, thanks to its natural reserve, will live the serenity of a constant care over time, without having to resort to continuous interventions, improving the quality of his life.

# scientific studies

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- 8) Micro fragmented stromal vascular fraction plus microfractures provides better clinical results than microfractures alone in symptomatic focal chondral lesions of the knee**  
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Alfredo Schiavone Panni, Michele Vasso, Adriana Braile, Giuseppe Toro Annalisa De Cicco, Davide Viggiano, Federica Lepore; *International Orthopaedics* (2019) 43:7-13
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