LIPOCUBE ADVANTAGES

LipoCube technology is revolutionizing the practice of regenerative medicine by tailoring procedure results to the specific medical conditions of each patient. This innovative approach ensures that the treatment outcomes are optimized and personalized, leading to more effective and targeted therapeutic solutions.

- Maximum regenerative cell number and viability
- Superfast processing
- Easy to use
- Closed system reducing cross contamination
- Cost efficient

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LIPOCUBE

ORTHO

NEXT-GEN FAT PROCESSING

Differentiate your practice with predictable outcomes with the regenerative power of fat

LIPOCUBE IS A BRITISH MEDICAL DEVICE COMPANY WHICH OPERATES GLOBALLY IN THE BIOTECHNOLOGY AND REGENERATIVE MEDICINE FIELDS

LipoCube develops and produces medical devices to make regenerative therapies easy and accessible.
Our scientifically proven products are distributed globally and used by clinicians worldwide.

200.000+ Patients

25.000+ Physicians

90+ Countries

THE PRODUCT

The LipoCube products allow the clinicians to create a minimally manipulated adipose tissue for regenerative purposes.

LipoCube Hybrid

- The fat is collected from the body with the fat harvesting cannula (1) in a closed system.
- The adipose tissue is washed in a closed sterile system with the help of the transfer bag (2) and transfer line (3).
- The washed fat is processed through LipoCube Hybrid (4) to obtain concentrated fat.
- The concentrated fat can be injected to the patient with the spinal needle (5)

LipoCube Hybrid Mini

- The fat is harvested from the body with the fat harvesting cannula (1) in a closed system.
- Transfer the harvested fat to 15 cc LipoCube Centrifuge Container(2).
- Place the LipoCube Centrifuge Container in the centrifuge and centrifuge for 3 minutes at 1800G.
- And then, the middle layer of centrifuge container is processed through LipoCube Hybrid Mini (3) to obtain concentrated fat.
- The concentrated fat can be injected to the patient.

LipoCube PRP

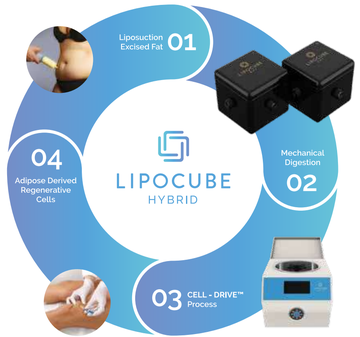
The patient's own blood is collected and centrifuged for 8 minutes at 2500G. The PRP is injected to the patient.

THE PROCEDURE

A simple, fast and effective technology to process and concentrate regenerative cell population in a non-invasive step, resulting in a minimally manipulated tissue for regenerative applications.

- Purifying.
- Mechanical digestion, using a closed system of blades.
- Concentrating the regenerative cells through Cell Drive process.

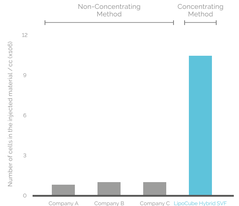
The LipoCube point-of-care procedure takes only **22 minutes** and can be performed either in an operating room or **office setting**.



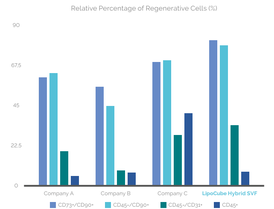
The fat tissue is mechanically fragmented using the LipoCube Hybrid in closed sterile system with specifically structured geometrical blades coupled with a flow pattern. The emulsion is processed in the Cell Drive within a predefined RCF spectrum, and the resulting regenerative cell population is restricted by a fractured surface gasket.

THE LIPOCUBE TECHNOLOGY

LipoCube Hybrid provides **10 times more** regenerative cell compared to any other traditional method.



Nucleated Viable Cell Number Comparison

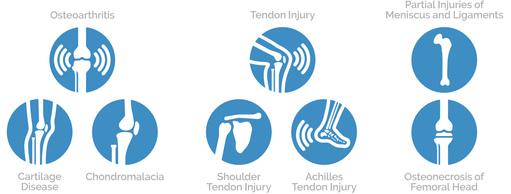


Mesenchymal Stem Cell Comparison

Company A - System that gradually decreases adipose tissue clusters while removing fatty substances and blood residues.
Company B - Extract blood and fat residues, tissue dialysis decreases tension and damage to cell and extracellular matrix structure.
Company C - Washing, filtration, and size-based separation of tissue fragments are all possible with this unit.

APPLICATIONS

The Most Common Indications in Orthopedics



LipoCube technology provides a promising solution for various orthopedic problems. Its effectiveness stems from the presence of regenerative cells within adipose tissue, which enable it to effectively regenerate cartilage, tendons, and bone. As a result of these regenerative properties, LipoCube technology has found extensive use in treating a range of conditions, including osteoarthritis, chondromalacia, achilles tendon injury, shoulder tendon injury, partial injuries of meniscus and ligaments, as well as femoral head osteonecrosis. The versatility and regenerative capacity of LipoCube technology make it a valuable and sought-after approach in the field of orthopedics.