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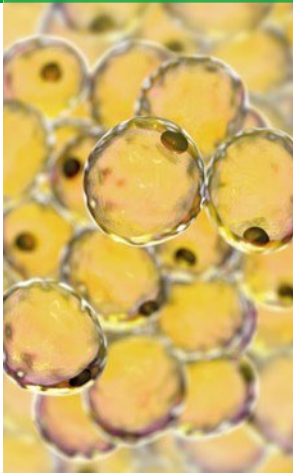
LIPO-STEM™
LIPO-STEM DUO™
Purification and microfragmentation
of adipose tissue



LIPO-STEM™ and **LIPO-STEM DUO™** are devices designed to obtain adipose tissue that supports physiological tissue regeneration processes.

Utilizing state-of-the-art technology, they enable rapid purification of adipose tissue without the use of centrifuges, ensuring **maximum safety** through a single-use, closed-circuit system.

Specifically designed for regenerative surgery, these devices are ideal for orthopaedic interventions such as treating joint pathologies, sports medicine and pain therapy.



Why choose the **LIPO-STEM™** and **LIPO-STEM DUO™** method



LIPO-STEM™/LIPO-STEM DUO™ HOW DO THEY WORK?

The technology used by **LIPO-STEM™** and **LIPO-STEM DUO™** enables the complete processing, purification, and micro-fragmentation of tissue through a **gentle yet constant washing** with saline solution.



TISSUE REGENERATION AND REPAIR

Treatment of chondral and osteochondral lesions, promotion of healing and regeneration of difficult wounds and damaged musculoskeletal tissue.

PAIN AND INFLAMMATION TREATMENT

Management of inflammation and reduction of pain associated with various orthopaedic conditions.

Safe

- Disposable, closed-loop device to **eliminate the risk of contamination**.
- The procedure is performed entirely in a **single surgical session** and in a **sterile environment**.
- Preservation of the biological properties of the cells, under conditions of minimal manipulation for a **safe and natural result**.
- **Day hospital treatment** to maximise patient safety and convenience.

Fast

- **Rapid processing**: up to 400 ml of adipose tissue treated in just a few minutes.
- **Elimination of downtime**: no waiting for centrifugation or cleaning.
- **All-in-one solution**: a single device that purifies, microfragments, and returns a ready-to-use lipoaspirate.

Easy

- **Reduction of necessary staff**: the device can be operated by the surgeon alone.
- **Simplification of operations**: minimizes the need for training, preparation, handling, and cleaning.
- **Intuitive** procedure.
- **Repeatability**: possibility to perform multiple processing on the same patient during the same procedure with the same kit.

This process, free from traumatic agents and stress factors, keeps the proliferative, trophic, and anti-inflammatory functions of the adipose tissue intact, to better support the activation of normal biological processes of tissue repair and maintenance.

Additionally, the **filtration system** preserves the entire architecture of the stromal vascular niche ensuring that the final product is autologous tissue that retains the original biological properties.

The **LIPO-STEM DUO™** device, in particular, is equipped with an additional filter designed to **further reduce and microfragment adipose clusters**, thus improving its ability to respond to regenerative stimuli.

Its technology is especially suitable for maximising natural regeneration results, and the obtained lipoaspirate can be easily injected through very thin needles.

