

# BEAUTY-STEM™

## PURIFICATION AND PROCESSING KIT FOR ADIPOSE TISSUE MSCS

Specifically designed for reconstructive and aesthetic surgery, BEAUTY-STEM™ is a closed-circuit single-use kit for adipose tissue purification without any centrifuge and with a minimal manipulation, ideal for volumization and localized rejuvenation treatments.

The entire processing phase of the liposuctioned tissue occurs inside the device thanks to continuous saline solution washing. This allows reducing the cellular stress eliminating any traumatic action that may damage the extracellular matrix and its essential trophic and anti-inflammatory function. The sophisticated filtering and washing system preserves the entire vascular stromal niche architecture and the volume of the lipoaspirate and improves the cells' capacity to respond to regenerative stimuli.

The final purified product is a viscous fluid that keeps the biological properties and volume of the original tissue intact.



### TIME EFFICIENT

- + Processes up to 400 mL of adipose tissue in 10 minutes.
- + Centrifuge free: saving on time, personnel and tools.
- + All-in-one system that processes, purifies and microfragments a high-quality adipose tissue rich in mesenchymal cells.

### MINIMAL MANIPULATION

- + Preservation of the biological properties of the cells.
- + Complete preservation of tissue architecture and stromal niche components.
- + Continuous saline solution washing eliminates any traumatic action that may damage the extracellular matrix.

### EASY TO USE

- + No centrifugation is required.
- + Simple and reproducible technique in a single surgical time.
- + Compared to centrifugation, minimizes staff training, or preparation and clean-up.
- + Only 1 operator is required.

# BEAUTY-STEM DUO™

MICROFRAGMENTATION, PURIFICATION AND PROCESSING KIT FOR ADIPOSE TISSUE MSCs

Specifically designed for reconstructive and aesthetic surgery, BEAUTY-STEM DUO™ is a closed-circuit single-use kit for adipose tissue microfragmentation and purification without any centrifuge and with minimal manipulation, ideal for localized rejuvenation treatments. The filtering system microfragments the adipose tissue while maintaining its biological properties and maximizing the regenerative potential. The entire processing phase of the liposuctioned tissue occurs inside the device thanks to continuous saline solution washing. This allows reducing the cellular stress eliminating any traumatic action that may damage the extracellular matrix and its essential trophic and anti-inflammatory function.

The collection and processing bag is equipped with two filters:

- + The first filter microfragments the adipose tissue while retaining the eventual fibrotic tissue;
- + The second filter with a denser mesh retains the microfragmented adipose tissue that is washed with saline solution, eliminating all the oily and blood residues which might cause inflammation of the treated tissues.

The final micro-fragmented and purified product is an autologous adipose tissue that keeps the biological properties of the original tissue intact and can easily be injected even through very thin needles.



#### TIME EFFICIENT

- + Processes up to 400 mL of adipose tissue in 10 minutes.
- + Centrifuge free: saving on time, personnel and tools.
- + All-in-one system that processes, purifies and microfragments a high-quality adipose tissue rich in mesenchymal cells.

#### MINIMAL MANIPULATION

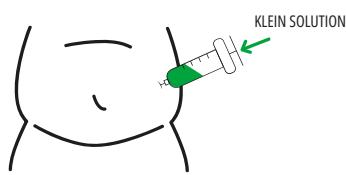
- + Preservation of the biological properties of the cells.
- + Complete preservation of tissue architecture and stromal niche components.
- + Continuous saline solution washing eliminates any traumatic action that may damage the extracellular matrix.

#### EASY TO USE

- + No centrifugation is required.
- + Simple and reproducible technique in a single surgical time.
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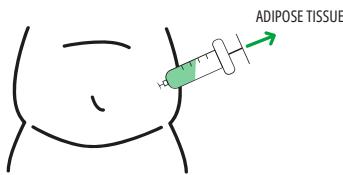
## Surgical technique:

①



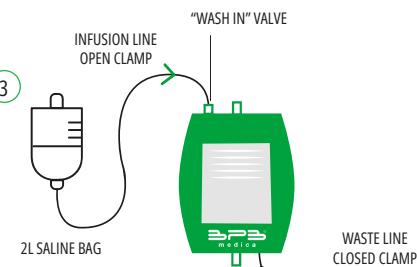
Infiltrate the Klein solution.

②



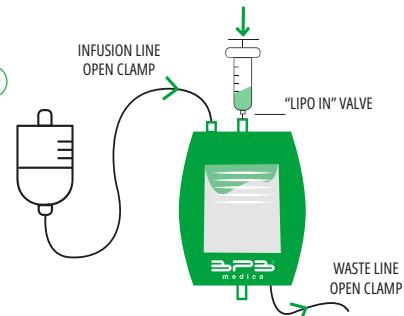
Harvest the adipose tissue using the VacLok syringe. We recommend to generate a soft negative pressure by blocking the VacLok in increments of 10 cc.

③



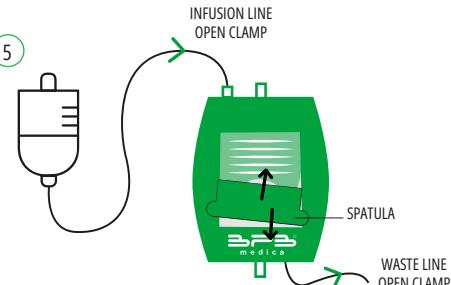
Close the waste line clamp bag tube. Connect a saline bag to the device's "WASH IN" valve and fill the bag with around 150 mL of saline solution.

④



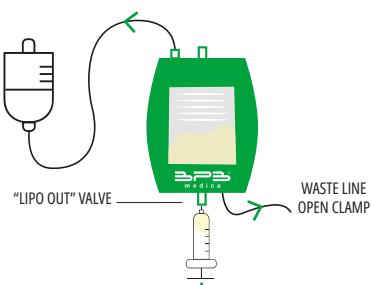
Insert the harvested adipose tissue in the device's "LIPO IN" valve and open the waste line clamp to eliminate residues.

⑤



Gently move the spatula up and down until the fat tissue turns pale yellow and the waste liquid becomes transparent.

⑥



Close the infusion line clamp and use the spatula one more time to remove the remaining contents. Retrieve the adipose tissue from the LIPO-OUT valve.

## ORDER GUIDE - BEAUTY-STEM™

BETKIT-004 Standard kit (with 16G Klein Solution cannula and 13G lipoaspiration cannula)  
BETKIT-004A Standard kit without cannulas

## ORDER GUIDE - BEAUTY-STEM DUO™

BETKIT-005 Standard kit (with 16G Klein Solution cannula and 13G lipoaspiration cannula)  
BETKIT-005A Standard kit without cannulas



### STANDARD KIT COMPOSITION

1x BEAUTY-STEM™ or BEAUTY-STEM DUO™ processing bag and waste bag  
1x Processing spatula  
2x 60 mL syringes for Klein's solution  
1x 60 mL Vaclok syringes for liposuction  
1x 16G cannula for injection of Klein's solution  
1x 13G cannula for liposuction  
2x 10 mL syringes for infusion  
2x Combi caps LLF/LLM  
2x Male Luer Cap, Non vented, Red 1x Infusion line with air inlet  
1x Open side clamp

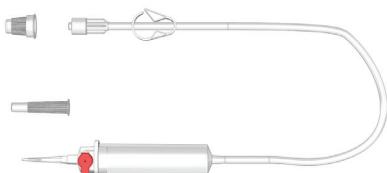
## ACCESSORIES INCLUDED IN THE KIT



BEAUTY-STEM™ or BEAUTY-STEM DUO™ processing bag and waste bag.



Processing spatula



Infusion line with air inlet



Open side clamp



16G cannula for injection of Klein's solution



60 mL syringe for Klein's solution



13G cannula for liposuction



Male Luer Cap, non vented, red



Combi caps LLF/LLM



60 mL syringe for liposuction



10 mL syringe for infusion



WEBSITE



LINKEDIN



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