



**All-in-one, sterile and single use
fat transfer kits**

Procedure for the Macrofill Vacuum kit

Stemcis

Macrofill Vacuum kit¹



Instruments

- (1) 1 harvesting cannula
20 holes (Ø 2.5 mm)
(Ø 3.0 – 3.5 mm x L250 mm)
- (2) 2 jars – 200 mL
- (3) 2 connectors
- (4) 1 infiltration cannula
10 holes (Ø 1.0 mm)
(Ø 1.7 – 2.1 mm x L250 mm)
- (5) 2 injection cannulas – 14G
(Ø 1.7 – 2.1 mm x L130 mm)
(Ø 1.7 – 2.1 mm x L200 mm)
- (6) 1 transfer cannula
(Ø 2.4 – 3.0 mm x L130 mm)
- (7) 2 needles
16G, L40 mm / 22G, L50 mm
- (8) 2 FLL-FLL connectors
- (9) 1 rotor nut

Additional products

We recommend gentle, short centrifugation for better survival of the fat graft.

Our centrifuge is compatible with all Stemcis kits thanks to different rotors.



Adip'Spin Pre-programmed centrifuge

To change the programme, press the OPEN button for 8 sec.



Rotor R2

Rotor R2, with the adaptators, compatible with the Macrofill Vacuum.



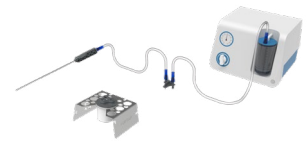
Adip'Sup

Reusable support.

PREPARATION

Requirements

- Open the Macrofill Vacuum kit.
- Switch the Adip'Spin centrifuge on (the switch is located at the rear).
- Install the pre-sterilised rotor to the Adip'Spin centrifuge. Secure it with the white nut (supplied).
- Check that the centrifuge is on the «FAT» programme.
- Insert two metal adaptators vertically.
- Place one jar with the connector in the Adip'Sup.
- Connect the harvesting cannula to the jar with a tube thanks to the connector (to the mouthpiece written «patient»).
- Connect the jar to the aspiration machine with another tube thanks to the connector (to the mouthpiece written «suction»).
- Block the tubes in the notches of the Adip'Sup.



NOTE: Two sterile bowls and approximately 200 mL of 0.9% NaCl are required for the "WASHING" step. One bowl containing the 0.9% NaCl and the other is required for the waste NaCl material. The bowls and 0.9% NaCl are not included in the kit. The tube to connect the harvesting cannula to the jar and the jar to the aspiration machine are not included.

INFILTRATION

Recommended composition of the infiltration liquid

- 500 mL of 0.9% NaCl
- 1 mg of adrenaline
- (20 mL of 2% lidocaine, only in case of local anaesthesia)

A ratio ranging between **1:1 to 2:1** is recommended (infiltrate 100 mL – 200 mL per 100 mL of sampled tissue).

Puncture the skin with the scalpel blade and infiltrate the harvesting area using the infiltration cannula and an "IV giving set" or a 10 mL syringe.



Harvesting can commence 5 – 10 minutes after infiltrating the harvesting area.

HARVESTING

- Perform liposuction using the harvesting cannula connected to to the jar with a tube thanks to the connector.



Use a low negative pressure (500 bar of the aspiration machine) to ensure optimal adipose cells' viability.

NOTE: At the beginning, a few cycles are necessary to remove the infiltration solution. Dispose of the solution in the waste bowl.

- When the first jar is full, detach the connector, remove the jar, place the second jar in the holder before reconnecting the connector, then continues to harvest.

HARVESTING

- Leave the jars full of adipose tissue to decant for **one or two minutes**.
- When two layers are clearly visible in the jars, thanks to a transfer cannula and a syringe, **aspire the subnatant**.



WASHING & CENTRIFUGATION

- Fill the jars to the 200 mL mark (irrespective of the amount of adipose tissue in the tube) using a 10 mL syringe connected to the transfer cannula and containing 0.9% NaCl.
- Gently invert / rotate the jars 3 to 5 times to mix the contents.
- Place the jars in the adaptors in the Adip'Spin centrifuge. The rotor must be **correctly balanced**. All of the jars must be filled to 200 mL.
- Start the centrifugation by pressing **"RUN"**. The first rectangle shows solid black at the end of the first centrifugation.



- Remove the jars from the centrifuge. Keep it upright and place it on the table. Connect a 10 mL syringe to the transfer cannula. Gently penetrate the adipose tissue until you reach the fluids at the bottom. Remove the fluids (only adipose tissue must remain in the jars). Empty the syringe.

Repeat WASH steps twice.

The last wash "last step" is very important – Do not skip this wash

NOTE: In the case of oil (after the last wash), remove the oil with the transfer cannula connected to a 10 mL syringe (before removing the fluids).

- Extract the adipose tissue with the transfer cannula connected to a 10 mL syringe.

Avoid the injection of oil.

INJECTION

- Puncture the skin at the injection site using a 16 G needle (supplied) and inject the adipose tissue using the **injection cannula** (supplied) connected to a 10 mL syringe.

Caution: Inject a small quantity of fat tissue per passage.





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