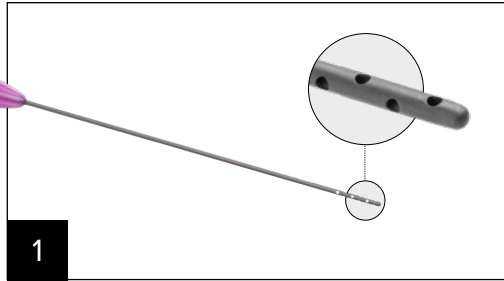
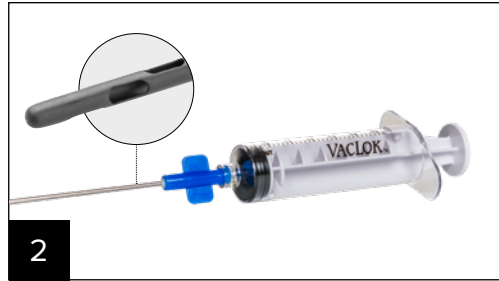


# Production of Microfat



Sanitize incision site and make a small stab incision. Use the infiltration cannula provided to distribute the tumescent fluid throughout the whole harvesting area. Allow the tumescent fluid to take effect for at least 15 minutes.

**Note: The 20 ml syringes can be used for infiltration of tumescent fluid. Alternatively the infiltration cannula can be connected directly to a tube system with a Luer lock connector.**

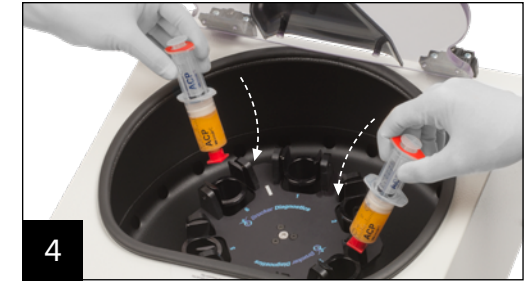


Connect the Carraway harvester to the VacLock syringe and harvest 30 ml of lipoaspirate. By pulling back the syringe plunger and using the syringes locking fin and stopping pin mechanism, you can maintain a constant vacuum throughout the harvesting process.

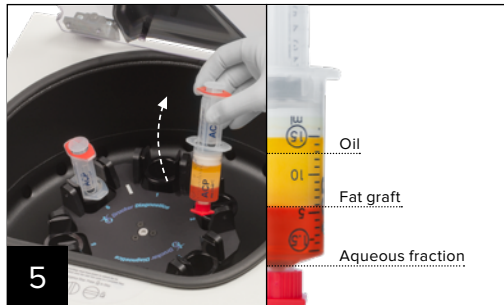


Transfer 15 ml of lipoaspirate to each ACP double syringe, using the 1.4 mm (for Arthrex SVF) or 2.4 mm (for microfat) transfer adapter.

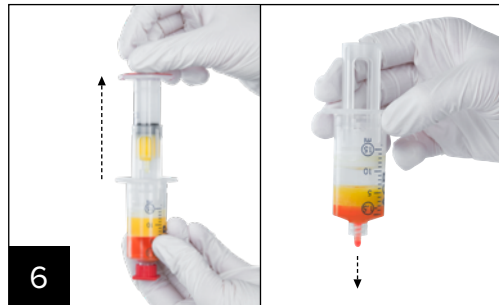
**Note: Tighten the inner syringe (turn it clockwise) and push both plungers forward until the stop to prepare the double syringe for transfer.**



Place the syringes in the centrifugation containers. Centrifuge at 2 500 rpm for 4 minutes (program B).



Remove the syringe, taking care to keep it in an upright position (red cap downwards) to avoid mixing.



**Left:** Transfer oil into the smaller inner syringe by slowly pushing down on the red wings while slowly pulling up the plunger of the small inner syringe. Unscrew the inner syringe and discard oil.

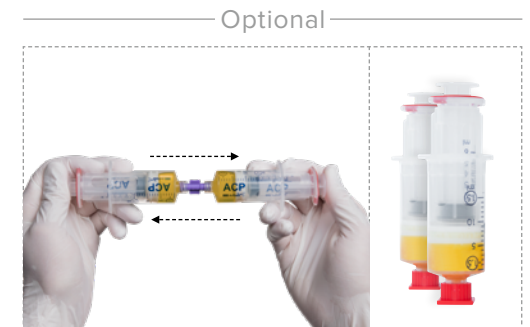
**Right:** Open red cap and allow the aqueous fraction to drain.

**Note: Try to discard as much oil and liquid as possible to get an ultra-dry fat graft.**



Reinsert the empty small syringe, carefully remove residual air, and seal with the red cap.

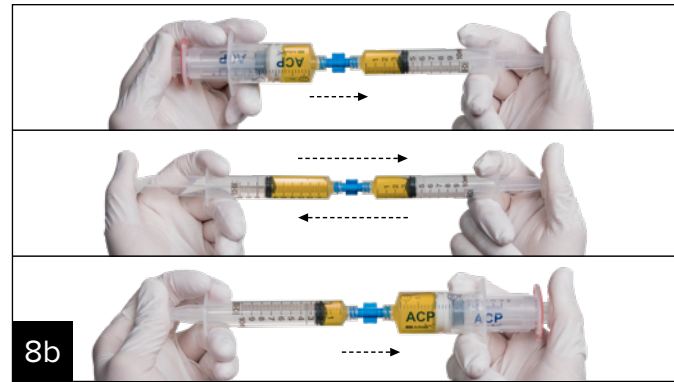
For Arthrex SVF preparation, continue with step 8 (see reverse side).



To homogenize the fat graft prior to injection, connect the 2.4 mm transfer device between the 2 double syringes and transfer the fat graft from 1 syringe to the other several times.

The microfat is ready for injection.

# Production of Arthrex SVF

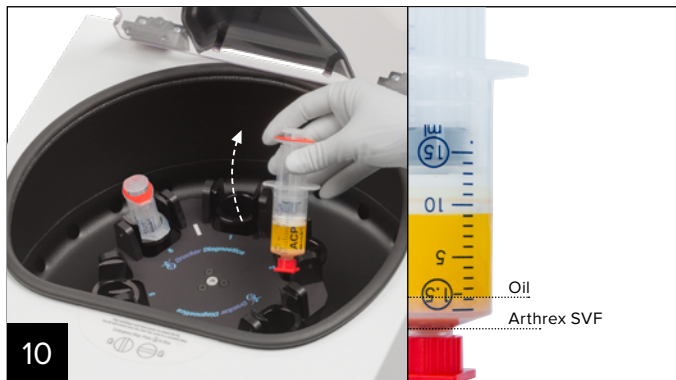


**For Arthrex SVF preparation, perform steps 1 - 7 and continue as follows:** Connect the 1.4 mm transfer device between the double syringes and transfer the fat between the 2 syringes at least 30 x.

**Note:** Make sure to transfer the fat as quickly as possible.

**Alternative for step 8a:** For easier handling you can transfer the fat grafts via the 1.4 mm adapter in one of the 10 ml syringes and transfer it at least 30 x between the two 10 ml syringes. After processing, transfer the fat to 1 double syringe.

Place the syringe in the centrifugation container. Place a suitable counterweight (e.g., an ACP double syringe filled with water) on the opposite side. Centrifuge at 2 500 rpm for 4 minutes (program B).



Remove the syringe, taking care to keep it in an upright position (red cap downwards) to avoid mixing.



Transfer oil into the smaller inner syringe by slowly pushing down on the outer syringe while slowly pulling up the plunger of the small inner syringe. Unscrew the inner syringe and discard oil. Make sure to leave Arthrex SVF (~1.5 ml) in the outer syringe. Arthrex SVF can be transferred to 1 ml syringes via the 2.4 or 1.4 mm transfer device.

