ACCELLERATED BIOLOGICS

ES35-ASC Adipose Prep QUICK GUIDE

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STEP 1: Preparation

1. In a non-sterile fashion drape patient with drapes to protect patient's garments.
2. Mark desired area for fat grafting with a black skin marker using the length of the harvester as a guide.

STEP 2: Fat Harvesting

1. Put on sterile or non-sterile gown and **sterile gloves**.
2. Prepare exposed area with Betadine swab (use Chloroprep if allergic to betadine).
3. Cover patient's garments with sterile drapes with fat graft area exposed.
4. Anesthetize entry area of grafting "puncture" with 3ml-5 ml of 1%-2% Lidocaine.
5. Prepare sterile area with "Fat Harvesting instruments".
6. Prepare Tumescent Mixture: in a 60ml syringe fill will 50cc or 0.9% Normal Saline and 10cc or 1% Lidocaine with Epinephrine (optional: buffer of 3ml 8.4% Sodium Bicarbonate. Note that various tumescent formulas exist)
7. With #11 blade scalpel make a puncture hole about 1cm deep.
8. Attach syringe with prepared tumescent to Tulip infiltrator cannula (2mm-3.5mm, 12-15cm). Tulip infiltrator can be substituted with 18G-20G spinal needle 6"-7".
9. At about a 45 degree angle introduce the suction cannula to marked area while injecting tumescent throughout. Be sure to create a "tunneling" effect with the suction cannula to assist with loosening fat cells for fat extraction.
10. Attach Tulip harvester to empty 20ml or 30ml syringe. Introduce harvester the same as step above but using a "peppering" motion and pulling back on syringe (to create suction) extract fat cells. Option: The snap lock device can be used to create suctioning pressure at this time.
11. Repeat above step until desired sample is obtained (goal extraction is about 50ml)
12. Set aside sample for processing and clean patient with alcohol and apply steri-strips. Option: suture site with surgical stiches

ADIPOSE STEM CELL PROCEDURE CHECK LIST

Fat Harvesting Prep materials	
	Pure Adipose kit (include: AB60 PurePRP kit, ES35-ASC kit, CANSUP kit)
	Sterile gloves/gown
	Black skin marker
	Providone-Iodine/betadine swabs
	Non-sterile drapes
Sterile Fat Harvesting materials In Kits	
	60ml syringe with 18G needle
	3-20ml or **2**-30ml syringes
	Tulip Infiltrator Cannula 2mm-3.5mm, 12-15cm
	Tulip Harvester Cannula 2mm-3.5mm, 12-15cm
	Disposable scalpel, #11 blade knife
	Five sterile 4" x 4"
	2-sterile towel/drapes
	Syringe snap lock device
Anesthetic & Processing materials Not in Kits	
	1%-2% Lidocaine with Epinephrine
	(optional) Sodium Bicarbonate 8.4%
	12ml syringe with 22G-25G needle
	One steri-strip
	(optional) Surgical stitches, scissors, hemostat
	(optional) Emulsifier from Tulip Medical

STEP 3: Processing

1. Transfer fat into separator tube (in kit) & Fill the counterbalance with equivalent volume of water.
2. Place counterbalance and adipose separator tube in the centrifuge buckets at opposite ends of the rotor.
3. Set the centrifuge to **1500 rpm and 3.5 minutes**, close lid & Press start.
4. When the centrifugation process is complete remove the separated fat sample *slowly*.
5. With a 30ml syringe, attach to port and remove all the blood & fluid portion on bottom of adipose separating tube. Discard 30ml syringe with blood & fluid.
6. Attach 12ml syringe to port to aspirate fat portion start aspirating the fat. Use 18 -22 gauge needle and do the injection.
7. OPTION: Emulsifier can be used to allow a more fluid adipose sample for use with smaller gauge needles.

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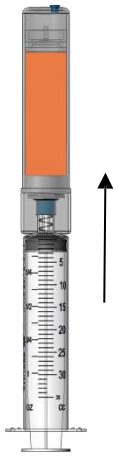
ES35-ASC **** PLEASE DISCARD RED VENTED CAP FROM CONCENTRATING DEVICE BEFORE USE ****

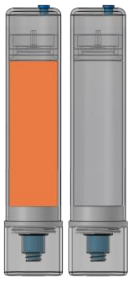
Note: Always swab self sealing port with sterile alcohol prior to accessing with a sterile syringe

Step 1:



Hold the device vertically with the port facing downwards, then inject 35mL of adipose into the device

Step 2:



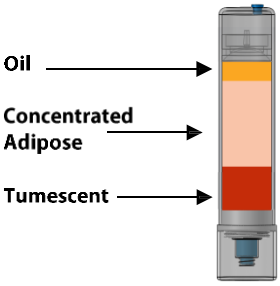
Counterbalance the device with equal volume

Step 3:

Process at

3.5 minutes
1500 RPM

Step 4:



After centrifugation, the adipose will be separated into tumescent fluid, concentrated adipose and residual oil

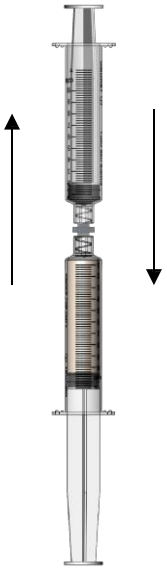
Step 5:

Using the 30mL syringe aspirate the tumescent fluid

Step 6:

Using the 12mL syringe aspirate the desired amount of concentrated adipose, leaving the oil behind

Step 7:



Using the emulsifying syringe, emulsify the concentrated adipose 10 to 15 times

Step 8:

Emulsified concentrated adipose is ready for use