Tulip® GOLD™
PROCEDURE KIT

# Quick Start Guide

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**Gentle Office-Based Lipoaspirate Delivery**

Distributed in Canada by:

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Tulip® GOLD

**The single-use NanoTransfer and Anaerobic and Sizing Transfers are proprietary (patented) single-use devices designed to uniformly size harvested adipose tissue so that it is easily injected with 30g needles. This sized tissue is often referred to as nanofat. For more information on products or uses of microfat and nanofat, please call or email a Tulip representative.**




## 1 HARVEST & SEPARATE

### Acquire Adipose Graft

- Use the hypodermic needle to create an entry point through the dermis.
- Tightly screw the Tulip infiltration cannula onto a sterile 20cc BD luer lock syringe filled with tumescent solution. Prime the cannula with the tumescent solution to eliminate air space. Infiltrate the harvest site (subdermal fat) with the tumescent solution.
- To prepare to harvest subdermal fat, equip the syringe with the 20cc Johnnie Snap. Pull the syringe plunger out to its full extent. Orient the snap lock so the plunger clip is adjacent to the base of the plunger. Place the Johnnie Snap onto the plunger head. Using firm pressure, press the snap lock until it clips onto the plunger head. (See Fig. 1)
- The Johnnie Snap is now securely attached to the plunger and ready to be inserted into the syringe barrel. Push the plunger/ lock back into the syringe, using your finger to push down each tooth as needed to clear the syringe barrel. (See Fig. 2)
- Once the plunger is seated, the syringe is ready for use.
- Then, tightly screw the Tulip harvesting cannula onto the sterile 20cc BD luer lock syringe with the attached Johnnie Snap.
- Prime the cannula with saline to eliminate air space and increase suction efficacy.
- Perform the adipose harvest by inserting the harvester into the harvest site and pulling out the plunger, engaging the Johnnie Snap to create a vaccum.
- After the harvest, gravity decant the harvested specimen for 3 minutes in the syringe, using the NanoTransfer as a base (Do not push the specimen through the NanoTransfer in this step) or use a centrifuge to separate tissue. (See Fig. 3)
- Expel infranatant fluid from beneath the graft
- Use a sterile **2.4mm Anaerobic Transfer** to transfer the graft to a sterile BD luer lock syringe (either the 20cc or the 10cc) leaving the supranatant free lipid (clear yellow oil) in the harvesting syringe Discard the harvesting syringe and the oil.
  **Do not discard 2.4mm transfer.**



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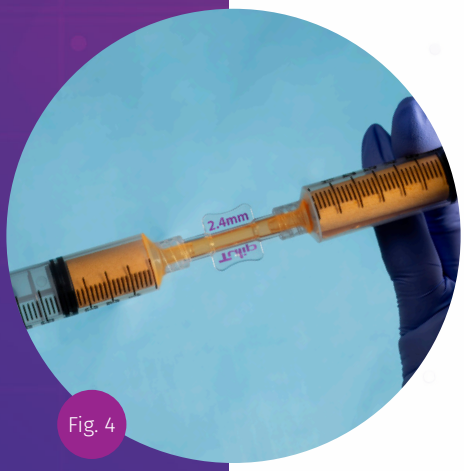



Fig. 4

## 2 SIZE DOWN

### Emulsify (2.4mm)

- Attach the sterile syringe holding the graft to another sterile BD luer lock syringe (either a 20cc or 10cc) using the **2.4mm Tulip Anaerobic Transfer**
- Manually force the graft back and forth between syringes **30 times** (15 times in each direction) to initiate emulsification. (See Fig. 4)

*- This emulsified fat can pass through a 19g or larger blunt injector or needle.*




Fig. 5

### Size Down (1.4mm & 1.2mm)

- Replace the 2.4mm transfer with a **1.4mm Sizing Transfer** (See Fig. 5)
- Manually force the graft back and forth between syringes **30 times** (15 times each direction) to further size down the graft consistency

*- You now have fat that can pass through a 21g blunt injector or needle*

- Repeat this step using the **1.2mm Sizing Transfer** (See Fig. 6)

*- You now have fat that can pass through a 23g blunt injector or needle*

- Adipose graft is now ready to pass through the NanoTransfer.

**Do not attempt to pass adipose tissue through the NanoTransfer without performing the three previous sizing down steps.**

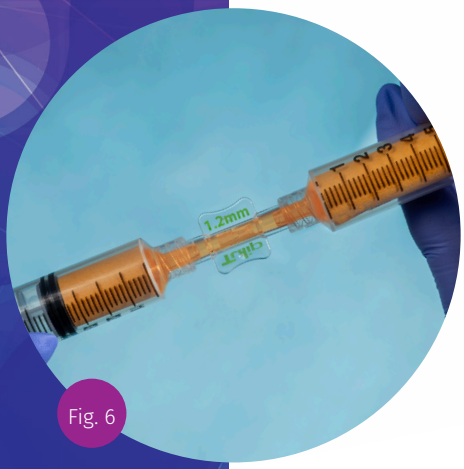



Fig. 6

**Please refer to the Tulip Medical Products IFUs (instructions for use).**

**Device preparation and operation should take place using a sterile field protocol.*



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Fig. 7


Fig. 8



Fig. 9

## Final Pass Through the NanoTransfer Generation II

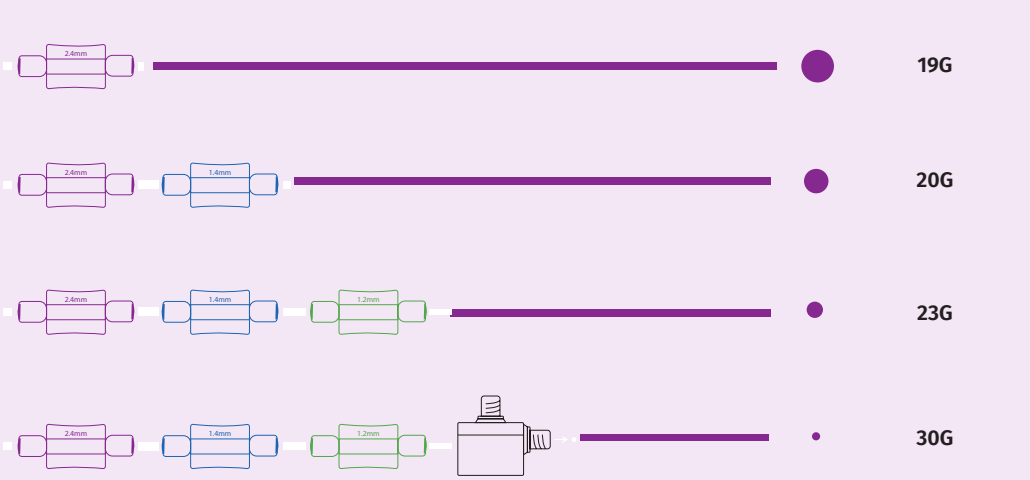
- NOTE: The input port is the top port of the NanoTransfer. The output port is on the side of the cylinder. Both are labeled. **Before applying pressure to the NanoTransfer, stand it on a flat surface for use. DO NOT hold it in the air while applying pressure.**
- Attach the syringe containing the sized down graft to the input port of the NanoTransfer, attach an empty syringe to the exit port, (See Fig. 7) and firmly transfer the graft into the receiving syringe. (See Fig. 8) You now have fat that can be injected with a 30g needle.
- Using the **2.4mm anaerobic transfer**, pass the nanofat from the receiving syringe into the desired injection syringes. (See Fig. 9)

## 3 DELIVER

- Once the specimen is sized to the desired level, it is ready for injection.

INJECTABILITY GUIDE

ADIPOSE TISSUE






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