



Quick Start Guide

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NANOTRANSFER SET™ GENERATION I





The Tulip NanoTransfer is a proprietary patented device designed to uniformly size harvested adipose tissue so that it is easily injected with 27g and 30g needles. A proprietary, single-use cartridge is housed in the NanoTransfer. For more information on the NanoTransfer system and/or uses of nanofat, please call or email a Tulip representative.



Fig. 1

1 HARVEST & SEPARATE

Acquire Adipose Graft

- Infiltrate the harvest site (subdermal fat) with the tumescent solution using a Tulip 2.1mm infiltrator on a 20cc syringe.
- Harvest subdermal fat (15-20cc) using a 20cc syringe attached to a Tulip 2.1mm harvester, equipped with a 20cc Johnnie Snap.
- Gravity decant harvested specimen for 3 minutes in the syringe.
- Expel infranatant fluid from beneath the graft.
- Use a sterile 2.4mm Tulip Anaerobic Transfer to transfer the graft to a sterile 20cc syringe leaving the supernatant-free lipid (clear yellow oil) in the harvesting syringe. Discard harvesting syringe. **Do not discard the 2.4mm Tulip Anaerobic Transfer.** (See Fig. 1)



Fig. 2

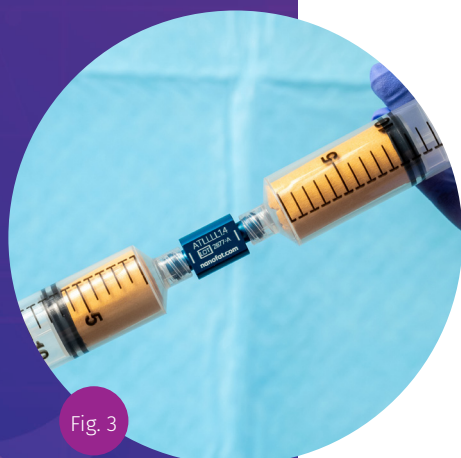


Fig. 3

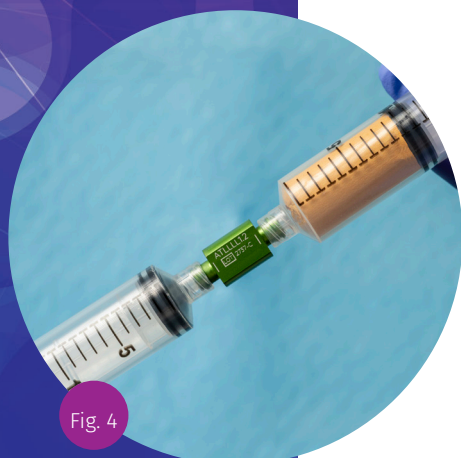


Fig. 4

2 SIZE DOWN

Emulsify (2.4mm)

- Attach the sterile syringe holding the graft to another sterile 20cc syringe using the **2.4mm Tulip Anaerobic Transfer**.
- Manually force the graft back and forth between syringes 30 times to initiate emulsification. (See Fig. 2)
- You now have microfat that can pass through a 19g cannula

Size Down (1.4mm & 1.2mm)

- Replace the **2.4mm Tulip Anaerobic Transfer** with a **1.4mm Sizing Transfer**.
- Manually force the graft back and forth between syringes 30 times (15 times each direction) to further size down the graft consistency. (See Fig. 3)
- You now have microfat that can pass through a 21g cannula or needle
- Repeat this step using the **1.2mm Sizing Transfer**. (See Fig. 4)
- You now have microfat that can pass through a 23g cannula or needle. Adipose graft is now ready to pass through the NanoTransfer.



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

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



Fig. 5



Fig. 6



Fig. 7

3 PROCESS GRAFT THROUGH NANOTRANSFER

- Unscrew the sterilized, large-chambered NanoTransfer device to expose the inner chambers. (See Fig. 5)

NOTE: The NanoTransfer does NOT come pre-sterilized.

- Place the single-use sterile o-ring in the groove within the cap (input portion) (See Fig. 6)
- Place the single-use sterile cartridge basket into the bottom (larger portion) of the NanoTransfer making sure the screen fits flat against the bottom (See Fig. 7)
- Replace the cap on the NanoTransfer securing it firmly to prevent leakage

NOTE: The Input port is the top of the NanoTransfer

Instructions continue on page 5

WARNINGS

Do not attempt to pass tissue through the Tulip NanoTransfer until the tissue has been sized down per the instructions above.

Refer to the Tulip Medical Products Reusable IFU (instructions for use) for cleaning and sterilization by scanning the QR code below. Device preparation and operation should take place using a sterile field protocol.

Use of non-Tulip validated components with the Tulip Nano System invalidates the warranty and does not guarantee the production of Nanofat.

- Displace the air in the chamber with PRP (or saline) by holding the NanoTransfer upside down and injecting PRP (or saline) into the Input port until it appears in the Output port. (See Fig. 8) Immediately attach an empty, sterile 20cc syringe to the Output port to prepare to receive the nanofat. (See Fig. 9)
- Attach the syringe containing the graft to the input port of the NanoTransfer, (See Figs. 10-11) and firmly transfer the graft into the receiving syringe. Using the **2.4mm Tulip sizing transfer**, transfer the nanofat into the desired injection syringes (1cc recommended). (See Figs. 11-12)
- Remove and discard the single-use cartridge and the o-ring.



Fig. 8



Fig. 9



Fig. 10

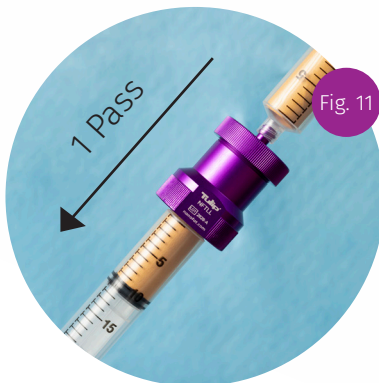


Fig. 11



Fig. 12

4 DELIVER

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