

ADIMATE®

One Platform. One Workflow.

Automated adipose tissue processing



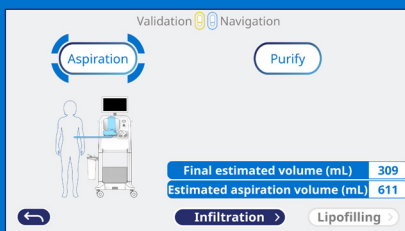
MICROAIRE®



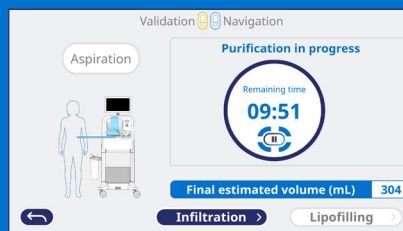
ADIMATE®

ADIMATE integrates infiltration, aspiration, and adipose tissue processing into a single, intuitive platform—streamlining the surgical workflow from start to finish.

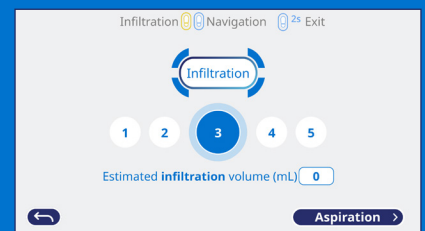
The multi-functional foot pedal enables single-user control of system navigation, pump activation, and adipose tissue processing initiation, allowing the surgeon to remain focused on the patient.



Real time measurement of tissue to be processed and estimated injectable volume.



Automated tissue processing in less than 10 minutes.



Adjustable infiltration flow rate from 50 to 400 mL/min.

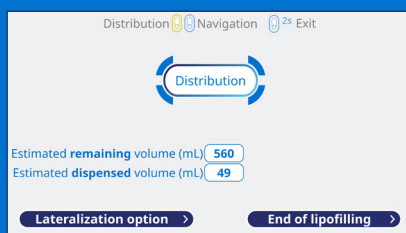
ADIPURE®

SINGLE-USE KIT FOR AUTOMATED ADIPOSE TISSUE PROCESSING

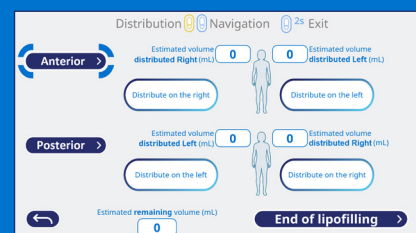
ADIPURE can process up to 850 mL of lipoaspirate in a closed loop system. The design uses a combination of low-speed rotation and filtration to separate liquid and oil from the adipose tissue.

Processing is completely automated and yields high-quality adipose tissue with a 90% tissue concentration.

Foot pedal-controlled syringe filling enables a streamlined tissue grafting workflow.



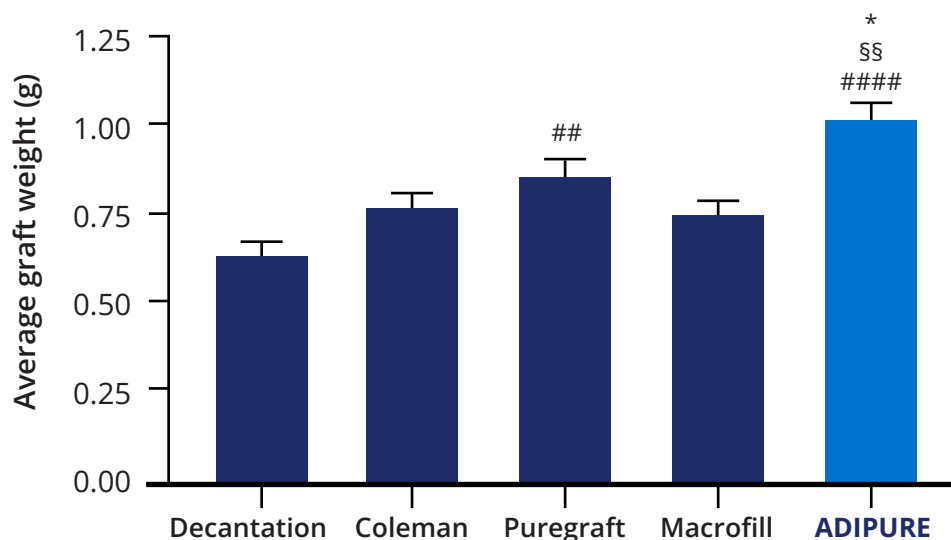
Real time display of injected volume and remaining processed tissue.



Visualization of injected tissue distribution.

Improved Graft Retention

ADIPURE processing yields high adipose tissue graft retention rates compared to traditional methods based on *in vivo* evaluation of mice.



***In vivo* evaluation of adipose tissue graft retention 1 month after subcutaneous implantation in mice.** Adipose tissue harvested from 5 human donors was processed using five different purification techniques, then grafted using a consistent implantation method. For each technique and each patient, 6 adipose tissue graft samples were prepared (totaling 30 grafts per patient across all techniques). A total of 15 mice were assigned per patient, with each mouse receiving 2 subcutaneous grafts. After one month, each graft was excised and weighed. Results are presented as mean $\pm$ SEM. * $P < 0.1$ vs. Puregraft; ## $P < 0.01$ and #### $P < 0.0001$ vs. Decantation; §§ $P < 0.01$ vs. Coleman and Macrofill conditions.



Comparative Analysis of a New Automatic System and Four Existing Techniques for Autologous Fat Grafting

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