



REQUIRED materials for Lipogems procedure

Quantity	Item
1 bag	THIS WILL BE CONNECTED TO DEVICE FOR WASHING TISSUE 1000mL IV bag 0.9% Sodium Chloride Injection, FOR LIPOGEMS 60 DEVICE (have an extra available just in case additional is needed) 3000mL IV bag 0.9% Sodium Chloride Injection, FOR LIPOGEMS 240 DEVICE
*1x500mL bag	500mL IV bag injectable normal saline (MIXED FOR ANESTHETIC SOLUTION)
*50mL bottle	50mL Lidocaine 2% (plain, without epinephrine)
*1mL bottle	1mL Epinephrine 1:1000

*Anesthetic solution ratio may be scaled down for minimal tissue harvest. You will need at least 240mL of anesthetic solution for a small tissue harvest (single site of Lipogems injection)

- 250mL IV injectable normal saline
- 25mL Lidocaine 2% (plain)
- 0.5mL Epinephrine 1:1000

Other SUGGESTED materials for Lipogems procedure

Quantity	Item	Purpose
1	Sterile drape	For table/mayo stand
1	Half U drape or other sticky drapes	For tissue harvest site
1	IV pole	To hang Saline bag for washing
1	Package sterile towels (optional)	Sterile field usage
2	Specimen sample-sized cups/ sterile bowl	For decanting syringes
10-20	Sterile gauze (4x4 size)	Sterile field usage
1	Lidocaine (plain or with epi)	For superficial injection
1	10mL syringe	For superficial injection
3	3mL syringes	For injection of Lipogems
3-4	60mL syringes	For infiltration of anesthetic solution
2-4	22G or 21G needles	Injection (depends on # injection sites)
2	18G needle	For mini-incision on harvesting site
1	18G filtered needle	For drawing up epinephrine from glass vial
1	25G needle	For superficial injection
1	Skin marker	For marking harvesting site
2	Chloraprep swabs	For prepping harvest site
4+	Alcohol prep pads	For injection site, preparing medications
1	IV bag fluid decanter (female end) - optional	Anesthetic solution transfer to syringes
2	Large tegaderm covering	For covering incisions on harvest site
1 -2	Elastic compression bandage	For wrapping harvest site
2	Band-aids	For injection site(s)
2	Pack betadine swabs	For injection site(s)
2-3	Sterile gloves	Sterile field usage
1	Biohazard waste bag	For discarding disposable elements in kit



	LIPOGEMS® 60mL	LIPOGEMS® 240mL
WHAT VOLUME OF LIPOGEMS DO I NEED FOR TREATMENT?	10mL (or less) of LIPOGEMS®	More than 10mL of LIPOGEMS®
WHAT SIZE SALINE BAG SHOULD I USE FOR PROCESSING?	1000mL bag of normal saline (or larger)	3000mL bag of normal saline (or larger)
WHAT VOLUME OF LIPOASPIRATE CAN BE PROCESSED THROUGH THE DEVICE?	Approximately 30-50mL of decanted lipoaspirate (total)	Approximately 120-160mL of decanted lipoaspirate (total)
HOW MANY TIMES CAN LIPOASPIRATE BE PROCESSED THROUGH THE DEVICE FILTER?	Do not exceed a maximum of 2 times.	Do not exceed a maximum of 2 times.

Other frequently asked questions:

Q: What yield of LIPOGEMS® will I obtain from the lipoaspirate?

This will depend on the type of fat tissue that is processed. Typically, the yield of LIPOGEMS® is between 1/3 and 1/4 (or 25-30%) of the volume of decanted (excess fluid discarded before processing) lipoaspirate. When the tissue is oily, the yield may be closer to 1/4; when the tissue is less oily, the yield may be closer to 1/3. However, sometimes fibrous stringy tissue will remain in the chamber after processing, which may minimize the yield.

Q: What volume of anesthetic fluid should I use?

The volume of anesthetic fluid that is used for infiltration will depend on the desired volume of lipoaspirate and the size of the patient’s harvest site(s). It is recommended to infiltrate a minimum of 120mL of anesthetic fluid *per side* of the harvest area (e.g. if harvesting tissue from both sides of the abdomen, then you would infiltrate a total of 240mL of anesthetic fluid). This volume of fluid is sufficient when the desired volume of LIPOGEMS® is 10mL or less. The harvest site should be “inflated” with fluid and should have a full appearance when complete. It is not recommended to infiltrate more than 500mL of anesthetic fluid per patient. If additional fluid is required in excess of this volume, normal saline may be used without added medications. **The suggested ratio for anesthetic fluid is: 500mL normal saline, 50mL Lidocaine 2% plain, and 1mL Adrenaline/epinephrine 1:1000.**