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Surgical Adhesive and Sealant

DSI Repio Glue



INSTRUCTIONS FOR USE

PURPOSE:

Repio Biological adhesive material is used as an auxiliary during surgical restoration of tissue integrity (sealing and reinforcing the sutures, tissue layers adhering, etc.). May be used at the independent method of a surgical tissue repair.

FEATURES:

The material is composed of bovine serum albumin and glutaraldehyde.

Two product's components are mixed within the applicator tip of the syringe during application to tissue. Polymerization begins immediately upon application, reaching optimum bonding strength within 2 minutes.

When the adhesive components interact, a plastic and high-strength biopolymer is formed, which is converted into a flexible hydrogel in soft tissues and retains its elasticity during the entire absorption period.

The adhesive components bind to the tissue proteins of the recipient, forming an insulating layer, where tissue connective cells (fibroblasts) are subsequently introduced. That creates a new intercellular layer that ensures complete replacement of the adhesive with a new organic tissue.

DIRECTION FOR USE:

1. Connect the new applicator tip to the syringe body.
2. While holding the syringe upright, tap it until the air bubbles rise to the top.
3. Keep holding the syringe at the same position, align small and large barrels of the syringe with corresponding plunger heads and slide the plunger into the back of



the syringe until resistance is felt. Do not lay the assembled syringe on the side until all air has been purged.

4. The surgical field must be properly dried prior to applying Repio. (A dry surgical field is the field that does not restrain with blood within 5 seconds after wiping dry with a surgical sponge.)
5. When the applicator tip has been properly primed and fully filled with the material, proceed immediately to application.
6. Try to avoid any interference during the polymerization period (2-3 minutes). Any kind of manipulation – pressure, compression or palpation of the adhered tissues is not recommended.

Note: Repio polymerizes very quickly. Thus, it must be applied immediately after priming. Pausing between priming and application can cause polymerization of material within the applicator tip. Should this occur, replace the obstructed tip with a new one and repeat the steps for applicator tip priming.

Do not continue to apply pressure to the plunger once the tip has occluded.

If Repio Surgical Adhesive does adhere to an undesired location, allow the adhesive to fully polymerize and then gently dissect the adhesive away from the unintended area with forceps and scissors. Do not attempt to peel away the adhesive as this could result in tissue damage at the application site.

PACKAGING:

Double-barrel syringe, mixing tips.

SYRINGE SIZES:

1ml	Ref: DSI-BIOG
2ml	Ref: DSI-BIOG2

STERILITY:

Radiation sterilization by radiation $18\pm 3,0$ kGy.

STORAGE:

Store in a dry and dark place at temperature (+5°C...+10°C).



Failure to comply with the conditions of storage leads to a change of the working characteristics of the material and decrease the shelf life of the material.

The manufacturer is not responsible for any loss of quality caused by the failure to comply with terms of transportation, storage and use established by the manufacturer for this product. Responsibility for the use of the material for purposes other than those specified by the manufacturer falls on the user.

