




<b>Description:</b>	Biosyn™ synthetic absorbable sutures are prepared from a synthetic polyester, Glycomer™ 631, composed of glycolide (60%), dioxanone (14%) and trimethylene carbonate (26%).
<b>Characteristics:</b>	The advanced extrusion process of the molecule of Glycomer™ 631 gives the suture: <ul style="list-style-type: none"><li>- Excellent initial strength</li><li>- Excellent in-vivo strength over the critical wound healing period</li><li>- Excellent knot security</li><li>- Minimal memory</li></ul>
<b>Indications:</b>	Biosyn™ synthetic absorbable sutures are indicated for use in general soft tissue approximation and/or ligation including use in ophthalmic surgery, but not for use in cardiovascular or neurological surgery.
<b>Actions:</b>	Biosyn™ synthetic absorbable sutures elicit a minimal acute inflammatory reaction in tissues, followed by gradual encapsulation of the suture by fibrous connective tissue. Progressive loss of tensile strength and eventual absorption of Biosyn™ sutures occurs by means of hydrolysis, where the suture is broken down to glycolic acid, dioxanoic acid, propane diol and carbon dioxide which are subsequently absorbed and metabolized by the body.
<b>Tensile Strength:</b>	Subcutaneous tissue implantation studies in rats indicate tensile strength for Biosyn™ sutures are approximately 75% of USP and EP minimum knot strength at two weeks and approximately 40% at three weeks post-implant.
<b>Absorption:</b>	Absorption begins as a loss of tensile strength without appreciable loss of mass. Absorption of Biosyn™ sutures is essentially complete between 90 and 110 days.
<b>Sterilization:</b>	Ethylene oxide.
<b>Packaging:</b>	Biosyn™ sutures are available in USP and EP sizes 1 (4 metric) through 6-0 (0.7 metric). They are available undyed (natural) or violet colored. The sutures are supplied sterile, in pre-cut lengths or ligating reels; non-needled or affixed to various needle types, using both permanent and removable needle attachment techniques; in one, two or three dozen boxes.

Biosyn™ Glycomer™ 631, Monofilament Synthetic Absorbable Sutures

Taper Point							
Description	Size	Size (Metric)	Length (cm)	Color	Units per box	Placing-out	Reorder code
1/2 CIRCLE 22 mm 	4-0	1.5	75	Violet	36	Surgalloy™	GM281
	4-0	1.5	90	Violet	36	Surgalloy™	GM291
	3-0	2	90	Violet	36	Surgalloy™	GM282
1/2 CIRCLE 26 mm 	4-0	1.5	5x45	Violet	12	D-Tach™	GM64M
	4-0	1.5	75	Undyed	36	Surgalloy™	GM321
	4-0	1.5	75	Violet	36	Surgalloy Optivis™	GM111
	4-0	1.5	75	Violet	36	Surgalloy™	GM121
	3-0	2	5x45	Undyed	12	D-Tach™	GM69M
	3-0	2	5x45	Violet	12	D-Tach™	GM63M
	3-0	2	75	Undyed	36	Surgalloy™	GM322
	3-0	2	75	Violet	36	Surgalloy™	GM122
	3-0	2	5x75	Violet	12	D-Tach™	GM67M
	2-0	3	75	Undyed	36		GM323
	2-0	3	75	Violet	36		GM123
	2-0	3	90	Violet	36		GM125
	1/2 CIRCLE 26 mm 	4-0	1.5	75	Violet	36	Surgalloy™
4-0		1.5	90	Violet	36	Surgalloy™	GM432
3-0		2	90	Violet	36	Surgalloy™	GM332