






# BIOSYN™ SUTURE





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Description	<p><b>BIOSYN</b>™ synthetic absorbable sutures are prepared from a synthetic polyester, GLYCOMER™ 631, composed of glycolide (60%), dioxanone (14%) and trimethylene carbonate (26%).</p>
Characteristics	<p>The advanced extrusion process of the molecule of GLYCOMER™ 631 gives the suture:</p> <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 for handling ease</li></ul>
Indications	<p><b>BIOSYN</b>™ 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.</p>
Contraindications	<p>This suture, being absorbable, should not be used where extended approximation of tissue is required.</p>
Actions	<p><b>BIOSYN</b>™ 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 <b>BIOSYN</b>™ synthetic absorbable 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.</p>
Tensile Strength	<p>Subcutaneous tissue implantation studies in rats indicate tensile strength for <b>BIOSYN</b>™ synthetic absorbable sutures is approximately 75% of USP and EP minimum knot strength at two weeks and approximately 40% at three weeks post-implant.</p>
Absorption	<p>Absorption begins as a loss of tensile strength without appreciable loss of mass. Absorption of <b>BIOSYN</b>™ synthetic absorbable sutures is essentially complete between 90 and 110 days.</p>
Sterilization	<p>Ethylene oxide</p>
Packaging	<p><b>BIOSYN</b>™ synthetic absorbable sutures are available in USP and EP sizes 1 (4 metric) through 6-0 (0.7 metric). They are available undyed (natural) or dyed (violet).</p> <p>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.</p>







NON-NEEDLE PRODUCTS	Length	Color	Units Per Box	M USP	6-0	5-0	4-0	3-0	2-0	0	1
					0.7	1	1.5	2	3	3.5	4
<b>PRE-CUT</b>	3x18	Violet	36					M-72		M-74	M-75
	6x18	Undyed	24						M-23		
	6x18	Violet	24				M-31	M-32	M-33		
<b>REVERSE CUTTING</b>				▼							
<b>3/8 Circle 19mm</b>											
	30	Undyed	36			SM-690	SM-691	SM-822			
	30	Undyed	12				SM-691-G	SM-822-G			
	30	Violet	36				SM-791	SM-922			
 <b>C-13</b>											
	30	Undyed	36					SM-693	SM-823		
	30	Undyed	12					SM-693-G	SM-823-G		
	30	Violet	36						SM-923		
 <b>C-14</b>											
	 5x18	Violet	12					SM-83-M			
	 5x18	Undyed	12					SM-93-M			
 <b>C-23</b>	30	Violet	36				SM-633	SM-632			






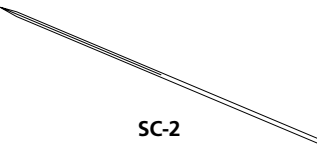


REVERSE CUTTING ▼	Length	Color	Units Per Box	USP		6-0	5-0	4-0	3-0	2-0	0	1
				M	USP	0.7	1	1.5	2	3	3.5	4
<b>1/2 Circle 26mm</b>    <b>GS-10</b>	30	Violet	36							CM-879		
<b>1/2 Circle 37mm</b>    <b>GS-11</b>	30	Undyed	36							CM-543	CM-544	
	30	Violet	36							CM-816	CM-817	
<b>1/2 Circle 48mm</b>    <b>GS-13</b>	36	Violet	36									CM-222
<b>1/2 Circle 37mm</b>    <b>HOS-11</b>	30	Violet	36									CM-528




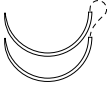



REVERSE CUTTING ▼	Length	Color	Units Per Box	M USP	6-0	5-0	4-0	3-0	2-0	0	1
	▲ D-TACH <sup>®</sup> 5x18	Violet	12		0.7	1	1.5	2	3	3.5	4
<b>1/2 Circle</b> <b>40mm</b>    <b>HOS-12</b>											CM-81-M
PREMIUM REVERSE CUTTING ▼											
<b>3/8 Circle</b> <b>11mm</b>    <b>P-10</b>	18	Undyed	12	◆ SM-3625	◆ SM-3626						
<b>3/8 Circle</b> <b>13mm</b>    <b>P-13</b>	18	Undyed	12	◆ SM-5688	◆ SM-5687	◆ SM-5690					
<b>3/8 Circle</b> <b>19mm</b>    <b>P-12</b>	18	Undyed	12		◆ SM-5624	◆ SM-5627	◆ SM-5628				
	30	Undyed	12			◆ SM-5637	◆ SM-5638				


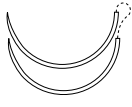






PREMIUM REVERSE CUTTING ▼	Length	Color	Units Per Box	USP		6-0	5-0	4-0	3-0	2-0	0	1
				M	M	0.7	1	1.5	2	3	3.5	4
<b>3/8 Circle 24mm</b>    <b>P-14</b>	18	Undyed	24					✦ SM-5679				
	30	Undyed	36					✦ SM-5678				
	30	Undyed	12						✦ SM-5679-G			
<b>PREMIUM X-CUTTING</b> ⇄												
<b>3/8 Circle 13mm</b>    <b>DX-13</b>	18	Undyed	12				✦ XM-834					
<b>3/8 Circle 16mm</b>    <b>DX-16</b>	18	Undyed	12					✦ XM-845				
<b>3/8 Circle 19mm</b>    <b>DX-19</b>	18	Undyed	12				✦ XM-822	✦ XM-823				
<b>CONVENTIONAL CUTTING</b> ▲												
<b>3/8 Circle 11mm</b>    <b>PC-13</b>	18	Undyed	24				CM-401	CM-400				
<b>CUTTING</b> ▼												
<b>Straight 60mm</b>    <b>SC-2</b>	30	Undyed	36					SM-644	SM-643			




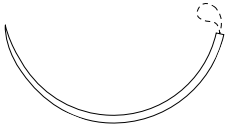

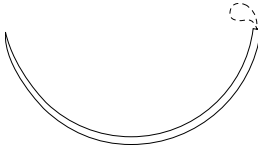
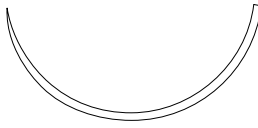
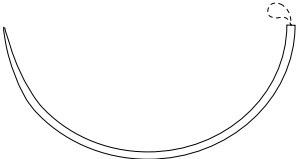
TAPER POINT 	Length	Color	Units Per Box	M USP	6-0	5-0	4-0	3-0	2-0	0	1
					0.7	1	1.5	2	3	3.5	4
<b>3/8 Circle 13mm</b>    <b>CV-11</b>	30	Violet	36			✦ CM-126					
<b>1/2 Circle 13mm</b>    <b>CV-22</b>	30	Violet	36	✦ UM-986	✦ GM-875						
	30	Undyed	36	✦ UM-886							
<b>1/2 Circle 17mm</b>    <b>CV-23</b>	30	Violet	36				✦ UM-403				
<b>1/2 Circle 17mm</b>    <b>CV-23</b>	30	Violet	36	✦ UM-201	✦ UM-202	✦ UM-203	✦ UM-204				
	30	Undyed	36		✦ UM-213	✦ UM-214	✦ UM-215				



TAPER POINT 	Length	Color	Units Per Box	M USP							
				6-0 0.7	5-0 1	4-0 1.5	3-0 2	2-0 3	0 3.5	1 4	
<b>1/2 Circle 22mm</b>    <b>CV-25</b>	30	Violet	36			✦ GM-281					
	36	Violet	36			✦ GM-291	✦ GM-282				
<b>1/2 Circle 22mm</b>    <b>CV-25</b>	<b>▲ D-TACH</b> 5x18	Violet	12			GM-34-M					
	30	Violet	36			✦ GM-181	✦ GM-324	✦ GM-183			
	<b>▲ D-TACH</b> 5x30	Violet	12			GM-181-M					
<b>1/2 Circle 12mm</b>    <b>CVF-21</b>	18	Undyed	36		SM-432	SM-431					
<b>1/2 Circle 27mm</b>    <b>GS-22</b>	30	Violet	36				CM-882	CM-883	CM-884	CM-832	
	30	Undyed	36					CM-830	CM-831		
<b>1/2 Circle 37mm</b>    <b>GS-21</b>	<b>▲ D-TACH</b> 5x18	Violet	12					CM-9-M	CM-10-M	CM-11-M	
	<b>▲ D-TACH</b> 5x18	Undyed	12						CM-14-M		
	30	Violet	36				CM-810	CM-811	CM-812	CM-813	
	30	Undyed	36				CM-842	CM-843	CM-844	CM-845	
	36	Violet	36				CM-922	CM-923	CM-924	CM-925	
	36	Undyed	36				CM-952	CM-953	CM-954		






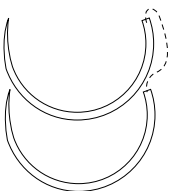



TAPER POINT 	Length	Color	Units Per Box	M USP	6-0	5-0	4-0	3-0	2-0	0	1
					0.7	1	1.5	2	3	3.5	4
<b>1/2 Circle 40mm</b>  <b>GS-24</b>	60°	Violet	12							CM-965-L	CM-967-L
<b>1/2 Circle 40mm</b>  <b>GS-24</b>	30	Violet	36						CM-801		
	36	Violet	36							CM-914	CM-966
	36	Undyed	36							CM-964	
<b>1/2 Circle 48mm</b>  <b>GS-25</b>	60°	Violet	12							CM-690-L	CM-976-L
	60°	Undyed	12							CM-990-L	
<b>1/2 Circle 48mm</b>  <b>GS-25</b>	<b>Δ-D-TACH™</b> 5x18	Violet	12							CM-30-M	CM-31-M
	36	Violet	36						CM-903	CM-904	CM-905
	36	Undyed	36							CM-974	CM-975
<b>1/2 Circle 65mm</b>  <b>GS-26</b>	60°	Violet	12							CM-679-L	
	60°	Undyed	12							CM-979-L	
	96°	Violet	12								CM-680-L
	96°	Undyed	12								CM-980-L




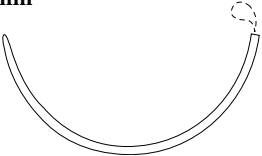
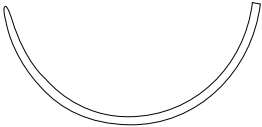




TAPER POINT	Length	Color	Units Per Box	M USP							
				6-0 0.7	5-0 1	4-0 1.5	3-0 2	2-0 3	0 3.5	1 4	
<b>1/2 Circle 26mm</b> <b>5/8 Circle 27mm</b>  <b>V-20</b> <b>GU-46</b>	30	Violet	36						CM-558		
<b>1/2 Circle 26mm</b>  <b>V-20</b>	5x18	Violet	12			GM-64-M	GM-63-M				
	5x18	Undyed	12				GM-69-M				
	30	Undyed	36			♠ GM-321	♠ GM-322	GM-323			
	30	Violet	36			♠ GM-121	♠ GM-122	GM-123			
	5x30	Violet	12					GM-67-M			
	36	Violet	36						GM-125		
<b>1/2 Circle 26mm</b>  <b>V-20</b>	30	Violet	36			♠ GM-421					
	36	Violet	36			♠ GM-432	♠ GM-332				
<b>1/2 Circle 30mm</b>  <b>V-30</b>	30	Violet	36				GM-222	GM-223			
	36	Violet	36					GM-326	GM-327		



TAPER POINT 	Length	Color	Units Per Box	M USP	6-0	5-0	4-0	3-0	2-0	0	1
					0.7	1	1.5	2	3	3.5	4
<b>1/2 Circle</b> <b>37mm</b>    <b>V-26</b>	30	Undyed	36					GM-226	GM-227		
<b>5/8 Circle</b> <b>27mm</b>    <b>GU-46</b>	30	Violet	36			UM-808	UM-879	UM-878	UM-877		
	30	Undyed	36				UM-979	UM-978	UM-977		
<b>5/8 Circle</b> <b>37mm</b>    <b>GU-45</b>	30	Violet	36				UM-243				
<b>5/8 Circle</b> <b>37mm</b>    <b>GU-45</b>	30	Violet	36					UM-245	UM-246		
	30	Undyed	36					UM-345	UM-346		



BLUNT POINT 	Length	Color	Units Per Box	USP							
				M	6-0	5-0	4-0	3-0	2-0	0	1
					0.7	1	1.5	2	3	3.5	4
<b>1/2 Circle 37mm</b>  <b>BGS-21</b>	<b>A-D-TACH™</b> 5x18	Violet	12							CM-740-M	CM-741-M
		Violet	36							CM-957	
<b>1/2 Circle 40mm</b>  <b>BGS-24</b>		Violet	36								CM-951
<b>1/2 Circle 48mm</b>  <b>BGS-25</b>	60 <sup>30</sup>	Violet	12							CM-989-L	CM-988-L
<b>1/2 Circle 48mm</b>  <b>BGS-25</b>	<b>A-D-TACH™</b> 5x18	Violet	12								CM-949-M
BLUNT TAPER POINT 											
<b>1/2 Circle 26mm</b>  <b>BTV-20</b>	30	Undyed	36					GMT-226			



BLUNT TAPER POINT				Length	Color	Units Per Box	M USP	6-0	5-0	4-0	3-0	2-0	0	1
								0.7	1	1.5	2	3	3.5	4
<b>1/2 Circle</b> <b>37mm</b>  <b>BTP-1</b>	<b>A-D-TACH™</b> 5x18	Violet	12										CMT-740-M	CMT-741-M
	30	Violet	36									CMT-811	CMT-812	
	36	Undyed	36								CMT-952		CMT-967	CMT-845
<b>1/2 Circle</b> <b>48mm</b>  <b>BTP-X</b>	<b>A-D-TACH™</b> 5x18	Violet	12										CMT-950-M	CMT-949-M
	36	Undyed	36										CMT-974	
<b>1/2 Circle</b> <b>48mm</b>  <b>BTP-X</b>	60 <sup>30</sup>	Violet	36										CMT-989-L	
<b>1/2 Circle</b> <b>65mm</b>  <b>BGST-29</b>	96 <sup>48</sup>	Undyed	12											CMT-890-L
TAPERCUTTING														
<b>1/2 Circle</b> <b>48mm</b>  <b>KV-40</b>	60 <sup>30</sup>	Violet	24											CM-940-L