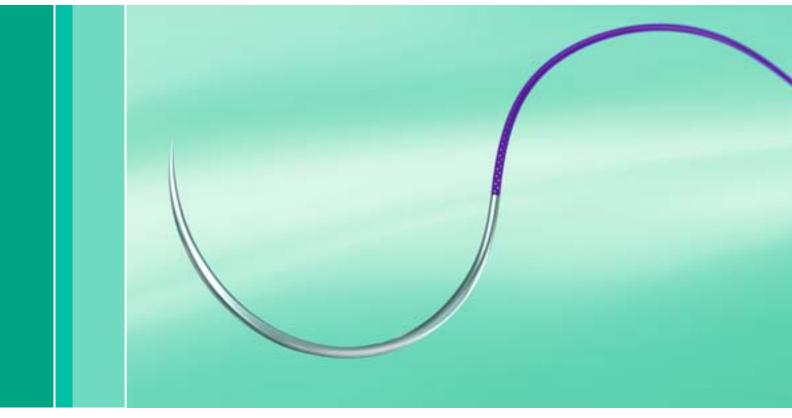
# **Novosyn**®

### The new PGLA suture generation

Mid-term synthetic absorbable braided and coated suture made of Poly(glycolide-co-l-lactid 90/10)



Sutures



### **Novosyn**®

### The new PGLA suture generation

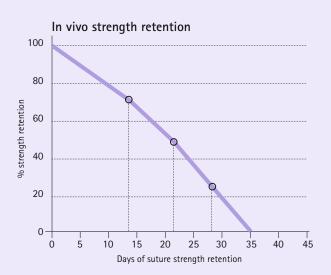
Ideal and secure degradation profile

Novosyn®, the new PGLA suture generation

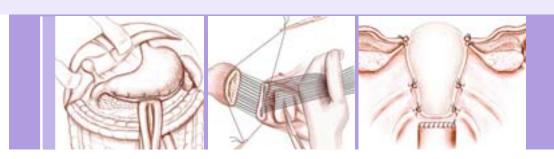
consists of braided Poly(glycolide-co-L-lactid

90 / 10) filaments

The high initial tensile strength of the Poly-(glycolide-co-L-lactid 90 / 10) polymer provides the needed critical wound support to assure a secure and undisturbed tissue healing.



Novosyn® is a mid-term absorbable suture:								
75 % initial tensile strength	14 days							
50 % initial tensile strength	21 days							
25 % initial tensile strength	28 days							
Complete mass absorption	56 - 70 days							



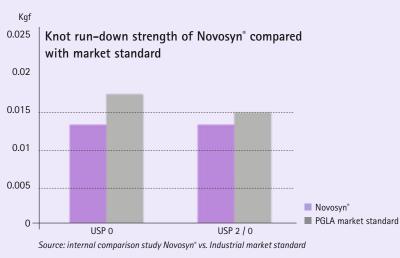
Novosyn\* is indicated for general soft tissue approximation and / or ligation in all surgical specialities, where the surgical practice requires the use of a synthetic, mid-term absorbable, braided suture material.

Tissue Layer / Surgical Speciality	Frequently used needle
Muscular Layers	HR30 - HR76 / HRT37 - HRT80 / HRC37 - HRC80
Visceral surgery (Gastro Intestinal,	HR10 - HR30 / FR26 - FR40
Biliary & Urology)	
Subcutaneous	HR13 - HR26
Tendons, Ligaments & Fascia closure	HS15 – HS48 / 2xGS13
in Traumatology & Orthopedic surgery	
General Skin Closure	DS9 - DS35 / DSMP19 - DSMP24 / GS60
Minimal Invasive Surgery (M.I.S.)	DR / SKI / PRC / GR / DRT
Ophthalmic sutures	DRm / HLm / DLm / HLM / VLM
Ligatures	

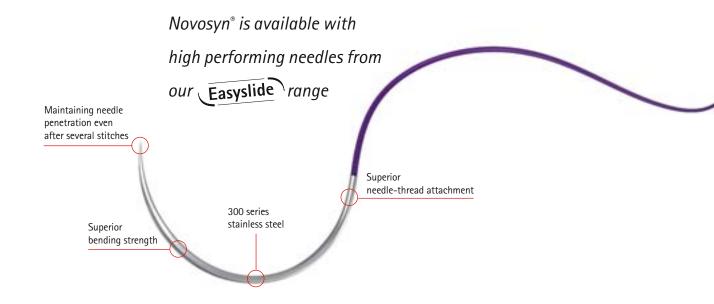
#### **Excellent knotting performance**

- Easy and smooth knot run-down
   Unmatched performance from the first to the last throw, friction-free passing over the suture
- Gentle knot repositioning
   Enables the surgeon to snug down the knot to the
- precise position requiredHighest knot holding capacity

Novosyn\* conveniently holds aligned wound edges together ensuring a secure closure during the complete healing process



Source: internal comparison study Novosyn\* vs. Industrial market standard Novosyn\* provides a very easy and smooth knot run-down. Giving the surgeon complete and unlimited control. Graph shows Novosyn\* knot run-down values compared with current PGLA market standards.

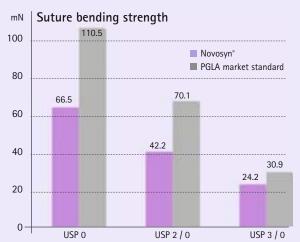


### **Novosyn**®

### The new PGLA suture generation

#### **Enhanced pliability**

The enhanced pliability of Novosyn® provides the surgeon with 100 % control in handling of the suture.



 $Source: internal\ comparison\ study\ Novosyn^*\ vs.\ Industrial\ market\ standard$ 

#### Minimized inflammatory reaction

Internal comparison studies have shown that Novosyn® minimizes the tissue reaction that can be caused by sutures.



Section weeks	Implant	Inflammation
4	Novosyn*	1.13
	Market standard	1.60
6	Novosyn*	1.27
	Market standard	1.53
8	Novosyn®	1.20
	Market standard	1.80
10	Novosyn®	1.27
	Market standard	1.60
12	Novosyn*	1.00
	Market standard	1.47

Infiltration of inflammation cells; Score 0: none, Score 1: 2 - 3 cell layers, Score 2: 4 - 6 cell layers, Score 3: > 6 cell layers

<sup>\*</sup> internal comparison study Novosyn® vs. Industrial market standard

#### The new PGLA suture generation

- Smooth knot run-down
- Gentle knot repositioning
- High knot holding capacity
- Minimized inflammatory reaction
- High quality Easyslide needles
- Open surgery and M.I.S. needle / thread combinations





B. Braun is one of the world's leading healthcare supplier with different production facilities all over Europe. Novosyn\* is produced at our Centre of Excellence for Closure Technologies in Spain where B. Braun aims to satisfy the highest quality demands, ensured by a finely tuned integral quality and environment management system.

### Novosyn<sup>®</sup>

#### **Product Features**

Structure	Multifilament
Chemical composition	Poly(glycolide-co-l-lactid 90 / 10)
Colour	Violet
Coating	Poly(glycolide-co-l-lactid 35 / 65) + CaSt
Size	USP 2 (metric 5) - USP 8 / 0 (metric 0.4)
Tensile strength retention	50 % tensile strength retention at 21 days
	0 % tensile strength retention at approx. 35 days
Mass Absorption	Hydrolysis, complete mass absorption
	in 56 till 70 days
Indication	General soft tissue approximation and / or ligation
	in all surgical specialities
Sterilization	Ethylene oxide (EO)

## $Novosyn^{^{\tiny{\tiny{\it B}}}}$



	Needle		Thread				USP r	netric			
angle	length	diameter	length cm	10/0		8/0	7/0	6/0	5/0	4/0	3/0
	mm	microns	colour	0.2	0.3	0.4	0.5	0.7	1	1.5	2
3/8 circle	micro-needle taper p	oint									
	DRm 6		20			00000145					
	•		20			G0068145					
1/2 circle	micro-lancet needle	140μ	violet								
1/2 Circle	inicio-lancet needie										
	2xHLm 6		30			G0068715					
160°	<b>y</b> :	150μ	violet								
3/8 circle	micro-lancet needle		VIOICE								
	DLm 6		15			G0068615					
140°		150μ	violet								
	- 51 -										
	2xDLm 6		30			G0068702					
140°		150μ	violet								
	DLm 6s		30			G0068620	G0069621				
1070	ͺ	200:				00000020	00000021				
137°		200μ	violet								
	2xDLm 6s		30 45			G0068710	G0068711				
137°	•	200μ	45 violet								
1/2 circle	lancet needle with m	icro-point									
	2xHLM 8 √▼/∷		45					G0068966			
170°	$\bigcirc$	330μ	violet								
1/4 circle	lancet needle with m	icro-point									
	24/114.0										
	2xVLM 6		30					G0068616			
90°		240μ	violet								
	2xVLM 8								0.00		
			45					G0068734	G0068735		
90°		330μ	violet								
	2xVLM 8		45							G0068736	
90°		430μ	violet							30000700	
		μ	VIOIEL								

Needle	Thread				USP r	netric			
length	length cm	6/0	5/0	4/0	3/0	2/0	0	1 1	2 5
mm	colour	0.7	1	1.5	2	3	3.5	4	5
1/2 circle round bodied needle									
HR 10	70	C0068002	C0068003						
lacktriangle	violet								
HR 13	45	C0068449	C0068450	C0068451					
	70		C0068007	C0068008					
	violet								
HR 13	4x45			C0088719					
"Take off"	violet			C0000713					
HR 13ss	70					C0068110	C0068111		
	violet								
, HR 17,									
	70	C0068011	C0068012	C0068013	C0068014	C0068015			
	violet								
HR 17 ●	4x45			C0088713	C0088714				
"Take off"	4x70 violet			C0088613	C0088614				
2xHR 17.	70				C0068904				
	90		C0068869						
	violet								
HR 17s,	70			C0068113	C0068114				
	violet			20000110	20000117				
LID 00	7.5100								
HR 20	70				C0068766				
	violet								
	20					C0068004			
, HR 22 ,	70			C0068029	C0068030	C0068031	C0068032		
HR 22	violet				000000==				
_	90 120				C0068877	C0068880			
	violet				20000070	355550000			

## $Novosyn^{^{\tiny{\textcircled{8}}}}$



Needle	Thread				USP r	netric			
length	length cm	5/0	4/0	3/0	2/0	0	1	2	3
mm	colour	1	1.5	2	3	3.5	4	5	6
1/2 circle round bodied needle									
	4 45		00000700	00000700	00000704				
HR 22	4x45		C0088729	C0088730	C0088731				
	4x70		C0088629	C0088630	B0088631				
"Take off"	violet								
2xHR 22	90			C0068874	C0068875				
				C0000074	C0000073				
	violet								
, HR 22s									
(•)	70				C0068036	C0068037	C0068038		
	violet								
	20			C0068079	C0068018				
	70		C0068040	C0068041	C0068042	C0068043	C0068044		
HR 26	violet								
	90		C0068540	C0068541	C0068542	C0068543	C0068544		
	120			C0068088	C0068067				
	violet								
\ HR 26 <b>/</b>	4x45		C0088740	C0088741	C0088742				
•	4x70		C0088640	C0088641	C0088642				
"Take off"	violet								
2xHR 26 /	70					C0068907			
•	90			C0068901	C0068902	20000007			
	violet								
	45				C0068019				
HR 26s	70			C0068089	C0068090	C0068091	C0068092	C0068093	
	90			C0068589	C0068590	C0068591	C0068592	C0068613	
	violet								
HR 26s	4x45				C0088790	B0088791	B0088792	B0088793	
	4x70					B0088691	B0088692	B0088693	
"Take off"	violet								
<b>│</b> HR 26ss						0000	00000		
<b>(•</b> )	70					C0068791	C0068100		
	violet								

Needle	Thread				USP n	netric			
length	length cm	5/0	4/0	3/0	2/0	0	1	2	3
mm	colour	1	1.5	2	3	3.5	4	5	6
1/2 circle round bodied needle									
HR 26ss									
	4x45				C0088810				
"Take off"	violet								
HR 30	70			C0068046	C0068047	C0068048	C0068049	C0068045	
	90 violet				C0068447	C0068448			
	4x45					B0088762			
HR 30	4x70				B0088661	B0088662			
"Take off"	violet								
HR 30s									
•	70				C0068547	C0068548	C0068549		
	violet								
\ HR 37 <b>/</b>	70			C0068050	C0068051	C0068052	C0068053		
•	90			C0068550	C0068551	C0068552	C0068553		
	violet								
HR 37	4x45			C0088769	C0088770				
	4x70			C0088669	B0088670				
"Take off"	violet				_	_	_		
HR 37s	70 90			C0068094	C0068095	C0068096	C0068097	C0068098	
	violet			C0068955	C0068595	C0068956	C0068597	C0068598	
HR 37s				00000701	00000707	D0000700	D0000707	D0000700	
1111 373	4x45 4x70			C0088794	C0088795 B0088695	B0088796 C0088696	B0088797 B0088697	B0088798 B0088698	
"Take off"	violet				50000000	20000000	50000007	50000000	
HR 37ss	70					C0068122	C0068123		
•	90					C0068576			
	violet								
HR 37ss						Baaaaa	D		
\•/	4x45					B0088806	R0088807		
"Take off"	violet								

## $Novosyn^{^{\tiny{\it B}}}$

Needle	Thread				USP r	netric			
length	length cm	5/0	4/0	3/0	2/0	0	1	2	3
mm	colour	1	1.5	2	3	3.5	4	5	6
1/2 circle round bodied needle									
HR 40s	70				C0068055	C0068056	C0068057	C0068058	
•	90			C0068466	C0068467		C0068557	C0068558	
	violet			20000100	20000.07	00000000	•	0000000	
HR 40s	4x45					B0088766	B0088767	B0088768	
• /	4x70						B0088667	B0088668	
"Take off"	violet								
\ HR 40s									
•	150						B0068350		
Loop	violet								
HR 43	70					C0068946	C0068947	C0068948	
•	90						C0068847	C0068848	
	violet								
\ HR 43									
• /	4x45						B0088781	B0088782	
"Take off"	violet								
HR 48	70			C0068099	C0068060	C0068061	C0068062	C0068063	
	90				C0068560	C0068561	C0068562	C0068563	
	violet								
HR 48	4x45					B0088786	B0088787	B0088788	
	4x70							B0088688	
"Take off"	violet								
\ HR 60									
• /	70						C0068066	C0068068	
	violet								
HR 60									
• /	150						B0068380		
Loop	violet								
HR 65	90							C0068640	
\ • /	150							B0068940	
	violet								
HR 65									
•	4x70						B0088655	B0088656	
"Take off"	violet								

Needle	Thread				USP n	netric			
length mm	length cm colour	5/0 1	4/0   1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	3 6
1/2 circle round bodied needle	corour								
HR 65	150 240 violet						B0068919	B0068930	
HR 70	70						C0068183		
HR 76	70 violet				C0068074	C0068075	C0068076	C0068077	
Needle	Thread				USP n				
length mm	length cm	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4
3/8 circle round bodied needle									
DR 10	45 violet	C0068101		C0068103					
DR 12	45 70 violet		C0068434	C0068134 C0068435					
DR 18	70 violet				C0068150	C0068151			
DR 22	70 violet				C0068159	C0068160	C0068161		
DR 26	70 violet					C0068164	C0068165		
DR 32	70 violet					C0068170	C0068171	C0068172	C0068173

## $Novosyn^{^{\otimes}}$

Needle	Thread				USP r	netric			
length	length cm	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1   4	2 5	3 6
mm 5/8 circle round bodied needle	colour		1.5	2	<u> </u>	3.3	4	5	0
FR 26	70 90			C0068414	C0068415 C0068775	C0068416	C0068417		
	violet				C0066775				
	70		C0068813		C0068815	C0068817			
	90				C0068820	C0068828			
	violet								
FR 36	70				C0068425	C0068426	C0068427		
	violet				20000120	20000120	20000127		
FR 40	70					C0068490	C0068491		
( • )	90						C0068867		
	violet								
Hook needle with taper point									
JR 30									
	70				C0068475				
	violet								
JR 40s ↓ ●	70						C0068478		
	violet						20000170		
Round bodied ski needle	VIOLET								
	20		C0068752						
SKR 19	120		C0068755	C0068756	C0068757				
	violet								
SKR 26	20			C0068746	C0068749				
JAN 20	120			C0068744	C0068751				
	violet								
SKR 26	40			C0068745					
	40 violet			CUU08/45					
Loop	violet								

Needle	Thread				USP r	netric			
length 	length cm	5/0 1	4/0 1.5	3/0	2/0 3	0 3.5	1 4	2 5	3 6
mm  Straight round bodied needle	Colour		110		J	0.0			J
GR 19 ●	20		C0068281	C0068284					
	violet								
GR 51	90				C0068185				
	violet				C0000103				
1/2 circle round bodied needle with short c									
HRC 17 \	70	C0068312	C0068313	C0068314	C0068315	C0068316			
	violet								
HRC 20s	70				C0068785				
$\bigcirc$	violet				C0000703				
LIDC 22	Violet								
HRC 22	70				C0068331	C0068332	C0068333		
	violet								
\ HRC 26 <b>/</b>	70					C0068343			
$\bigcirc$	violet					C0000343			
	VIOLET								
HRC 26s	70				C0068441		C0068444		
	violet								
HRC 30	70			C0068373	C0068372	C0068371	C0068374		
	violet			C0000373	C0000372	C0000371	C000037+		
HRC 30s	Violet								
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	90						C0068375		
	violet								
\ HRC 37	70			C0000120			C0068363	C00C0140	
	90 violet			C0068139	C0068140	C0068141	C0068142	C0068143	
HRC 37s	70				C0068842	C0068843	C0068844		
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	90						C0068896	C0068897	
	violet								

## Novosyn<sup>®</sup>

Needle	Thread	USP metric									
length	length cm	5/0	4/0	3/0	2/0	0	1	2 5	3		
mm	colour		1.5	2	3	3.5	4	5	6		
1/2 circle round bodied needle with short cutting tip											
\ HRC 40											
$\bigvee$	70				C0068908	C0068909					
	violet										
HRC 40s											
$\Diamond$	70						C0068960				
	violet										
\ HRC 43 ⊗					0000000		000000				
	90				C0068976		C0068978				
	violet										
HRC 43	150					00000070	D0000070				
	150					C0068872	80068873				
Loop	violet										
HRC 43s	70						C0068627	C0068628			
	90							C0068983			
	violet										
HRC 43s	150					B0068601	B0068602				
						D0000001	D0000002				
HRC 48											
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	70					00000570	C0068964	00000575			
	90					C0068573	C0068574	C0068575			
HRC 48	violet										
\	150						B0068987	B0068988			
Loop	violet						23000001	23000000			
HRC 80	violet										
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	90						G0068657				
	violet										
	VIOICE										

Needle	Thread					netric			
length	length cm	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	3 6
mm  Hook needle with short cutting tip	colour	'	1.5		3	3.3	7		0
JRC 30s							0		
♥ .	70 120						C0068476		
	violet					C0068194			
2 x JRC 30s									
$\mathcal{C}^{\otimes}$	45					C0068479			
	violet								
Progressive curved tapercutting needle									
PRC 24	120				C0000007				
	120				C0068807				
4/0 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	violet								
1/2 circle round bodied needle with troca	ar point								
<b>HRT 37</b> ⊕	70			C0068650	C0068392		C0068391	C0068654	
	90 violet			C0066650	C0068651	C0068652	C0068653	C0000034	
HRT 37s ▮	70				C0068395	C0068396	C0068397		
⊕	90					C0068533		C0068535	
	violet								
HRT 40	70				C0068023	C0068024			
	violet								
HRT 40s	Violet								
$\oplus$	70						C0068484		
	violet								
HRT 43	00				C0060007		C0060470		
	90				C0068997		C0068472		
HRT 43	violet								
₩ HN1 43	150					C0068346	B0068347		
Loop	violet								
HRT 43s	70						C0068474	C0068353	
$\oplus$	90						C0068534	C0068473	
	violet								

## $Novosyn^{^{\tiny{\it \$}}}$



Needle	Thread								
length	length cm	5/0	4/0	3/0	2/0	0	1	2 5	3 6
mm	colour		1.5	2	3	3.5	4	5	6
1/2 circle round bodied needle with trocar p	ooint								
HRT 43s ⊕	150					B0068356	B0068357		
Loop	violet								
HRT 48	70 90					C0068501	C0068402 C0068502	C0068503	
LIDT 40	violet								
HRT 48	150						B0068370	B0068918	
Loop	violet								
HRT 80	90						G0068788		
	violet								
3/8 circle round bodied needle with trocar p	ooint								
DRT 18	70 violet		C0068320	C0068321					
DRT 22 ⊕	70 violet			C0068377					
DRT 26 ⊕	70 violet				C0068383				
DRT 32	70 violet				C0068386	C0068387	C0068309		
1/2 circle round bodied blunt pointed needl	e								
HRN 35	70 violet				C0068517				
HRN 40	90						C0068637		
	violet								

Needle	Thread	USP metric								
length	length cm	5/0	4/0	3/0	2/0	0	1	2	3	
mm	colour	1	1.5	2	3	3.5	4	5	6	
1/2 circle round bodied blunt pointed needl										
HRN 50										
$\setminus$ $\circ$	90					C0068663	C0068664			
	violet									
HRN 50s										
lacksquare	90						C0068228	C0068229		
	violet									
1/2 circle reverse cutting needle										
	45	00000000	00000004							
HS 15 \ <b>▼</b> /	45 70	C0068203	C0068204 C0068250							
	violet		C0000230							
LIC 24										
\HS 21	45		C0068225	C0068226						
	violet									
. ЦС 22 .	45			C0068230						
HS 23 ▼	70			C0068230	C0068431					
	violet			20000100	20000101					
ШС 22 .										
HS 23 ▼	4x45			C0088836						
"Take off"	violet									
HS 26 /										
\\\ <b>\</b>	70			C0068241	C0068242	C0068243				
	violet									
\ HS 26s										
\.\ <b>\</b>	70				C0068290	C0068291				
	violet									
HS 26ss										
	70							C0068084		
	violet									
\ HS 30 <b> </b>	_									
\ ▼ /	70				C0068251	C0068252	C0068253			
	violet									
HS 37	00			C00C0404	C00C040F	C00C040C	C0000407	C0000400		
\ \ \	90			CUU08494	C0068495	C0068496	C0068497	C0068498		
	violet									

## $Novosyn^{^{\tiny{\it \$}}}$



Needle	Thread	USP metric							
length	length cm	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
mm	colour	0.7	'	1.5		3	3.5	-4	3
1/2 circle reverse cutting needle									
HS 37s	70					C0068294		C0068297	C0068298
( ' /	90					C0068596	C0068582	C0068583	C0068599
	violet								
HS 37ss ▼	70					C0068085	C0068086	C0068087	
	violet								
HS 37ss	VIOICE								
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	3 x 45						B0088701		
"Take off"	violet								
\ HS 40									
\ <b>*</b> /	90					C0068485	C0068486	C0068487	C0068488
	violet								
HS 40s	70					C0068267	C0068268	C0068269	
\ ' /	90					C0068585	C0068586	C0068587	C0068588
	violet								
HS 40ss	3 x 45							B0088911	
"Take off"								D0000011	
HS 48	violet						•	•	
	70 90						C0068261 C0068461	C0068262 C0068462	C0068463
	violet						C0000401	C0000402	C0000+03
3/8 circle reverse cutting needle									
DS 9	45	C0068202							
•	violet								
DS 12	45	C0068206	C0068207	C0068208					
<b>V V V V V V V V V V</b>	70		C0068507	C0068508					
	violet								

Needle	Thread	Thread USP metric								
length	length cm	6/0 0.7	5/0	4/0	3/0 2	2/0 3	0 3.5	1 4	2 5	
mm	colour	0.7	1	1.5		3	3.5	4	Э	
3/8 circle reverse cutting needle										
DS_16	45 70		C0068212	C0068213 C0068513	C0068214 C0068514					
	violet			C0068513	C006514					
DS 19	45		C0068219	C0068220	C0068221					
	70		C0068419			C0068422				
	violet									
DS 24	70			C0068234	C0068235	C0068236	C0068237			
	violet			C0000201	C0000200	C0000250	20000207			
	VIOICE									
DS 24	4x45				C0088953					
	"Take off" violet									
DS 30	70				00000040	C00C0247	C00C0240	C00C0240		
	70				C0068246	C0068247	C0068248	C0068249		
	violet									
DS 35	70							C0068258		
	violet									
3/8 circle reverse cutting needle wi	th micro-point									
DSMP 19										
	70			C0068823	C0068824					
	violet									
DSMP 24	70				C0068864	C0068865				
	violet									
Straight cutting needle										
2 x GS 13										
Z X 03 13	45			C0068920						
	violet									
GS 60 ▼	70				C0068265	C0068266				
	violet									
	VIOICE									

## $Novosyn^{^{\tiny{\it B}}}$

#### Pre-cut sutures

	Thread										
	length cm	6/0 0.7	5/0	4/0 1.5	3/0	2/0 3	0 3.5	1 4	2 5		
	colour	0.7	'	1.5		3	3.5	4	<b>5</b>		
Pre-cut sutures											
3 threads of 45 cm	3 x 45			C0058624	C0058625	C0058626	C0058627	C0058629	C0058630		
5 till caus of 45 till	violet			00000021	20000020	00000020	20000027	00000020	2000000		
	VIOICE										
6 threads of 45 cm	6 x 45		C0058643	C0058644	C0058645	C0058646	C0058647	C0058649	C0058650		
	violet										
				000=0004	0000000	000=0000	0000000	Baa=aaa	D		
12 threads of 45 cm	12 x 45			C0058664	C0058665	C0058666	C0058667	B0058669	B0058670		
	violet										
10 threads of 60 cm	10 x 60		C0058180	C0058181	C0058182	C0058183	C0058567	C0058568			
	violet		20000100	00000101	00000102	00000100		0000000			
2 threads of 70 cm	2 x 70			C0058404	C0058405	C0058406	C0058407	C0058409	C0058410		
	violet										
5 threads of 70 cm	5 x 70			C0058444	C0058445	C0058446	C0058447	C0058449	C0058450		
5 tilleaus of 70 till				C0030444	C0030443	C0030440	C0030447	C0030443	C0036430		
	violet										
1 thread of 140 cm	1 x 140			C0058204	C0058205	C0058207	C0058208	C0058209	C0058210		
	violet										
1 thread of 150 cm	1 x 150						B0058707	B0058709	B0058708		
	violet										
Ligature reels											
1 thread of 250 cm	1 x 250				G0058715	G0058716	G0058717	G0058719	G0058720		
i tiireau oi 250 ciii					00030713	00030710	00030717	00000719	00036720		
	violet										



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