

VITREX



Veterinary Sutures & Bottles



we supply values for life

When experience matters

Our veterinary sutures are manufactured in line with state of the art technology. Each individual production process is subject to strict scientific quality control.

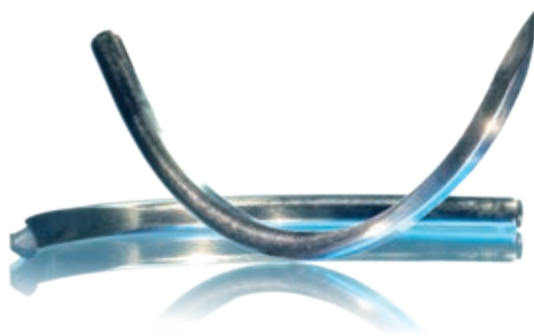
Continuous inspection of both mechanical and microbiological characteristics is given top priority. We have more than 90 years of experience in manufacturing surgical sutures.

Our team understands the specific needs of medical professionals by providing them with access to the most complete portfolio of surgical sutures.

The result is the current modern product range of absorbable and non-absorbable sutures, which consists of more than 1500 individual surgical suture products.

Production takes place in accordance with GMP guidelines, and a comprehensive quality management system in line with ISO 13485 has been implemented.

All products have been CE marked since 1999.



Veterinary Sutures - Absorbable threads

CHIRASORB rapid braided

Intended for use in Skin Closure, Gynaecology, Ophthalmic and Oral surgery.

Composition	Colour	Range	Characteristics
Braided and coated suture made from 90% glycolide and 10% L-lactide	Violet and Natural	6/0 to 2 USP	Absorbable, multifilament, coated, synthetic, high tensile strength, reduced capillary effect, short-term healing



CHIRLAC rapid braided

Intended for use in Skin Closure, Gynaecology, Ophthalmic and Oral surgery.

Composition	Colour	Range	Characteristics
Braided and coated suture made of Polyglycolic acid (PGA)	Violet and Natural	6/0 to 4 USP	Absorbable, multifilament, coated, synthetic, high tensile strength, reduced capillary effect, short-term healing



MONOLAC monofilament

Intended for use in Skin Closure, Mucosa, Gynaecology, Urology and Gastrointestinal tract surgery.

Composition	Colour	Range	Characteristics
Monofilament suture made of Glycolide and ϵ -caprolactone	Violet and Natural	6/0 to 2 USP	Absorbable, monofilament, synthetic, high tensile strength, excellent handling properties, mid-term healing



CHIRASORB braided

Intended for use in Skin Closure, Ligation, Abdominal Wall, Gynaecology, Urology and Ophthalmic surgery.

Composition	Colour	Range	Characteristics
Braided and coated suture made from 90% glycolide and 10% L-lactide	Violet and Natural	10/0 to 6 USP	Absorbable, multifilament, coated, synthetic, high tensile strength, reduced capillary effect, mid-term healing



CHIRASORB Plus braided

Antibacterial

Intended for use in Skin Closure, Ligation, Abdominal Wall, Gynaecology, Urology and Ophthalmic surgery.

Composition	Colour	Range	Characteristics
Antibacterial, braided and coated suture made from 90% glycolide, 10% L-lactide and chlorhexidine diacetate	Violet and Natural	5/0 to 4 USP	Absorbable, multifilament, anti-bacterial coating, synthetic, high tensile strength, reduced capillary effect, mid-term healing



CHIRLAC braided

Intended for use in Skin Closure, Ligation, Abdominal Wall, Gynaecology, Urology and Ophthalmic surgery.



Composition	Colour	Range	Characteristics
Braided and coated suture made of Polyglycolic acid (PGA)	Violet and Natural	9/0 to 6 USP	Absorbable, multifilament, coated, synthetic, high tensile strength, reduced capillary effect, mid-term healing

POLYDOX monofilament

Intended for use in Abdominal Wall Closure, Traumatology and Orthopaedics surgery.



Composition	Colour	Range	Characteristics
Monofilament suture made of Poly-p-dioxanone	Violet	7/0 to 4 USP	Absorbable, monofilament, synthetic, high tensile strength, excellent knotting properties, long-term healing

VITREX MEDICAL SUTURES	Strength Retention profile	Tensile Strength	Absorption time
CHIRASORB RAPID BRAIDED	SHORT-TERM HEALING 1 day 100% 5 days 50% 10 - 14 days 0%	12 days	42 days
CHIRLAC RAPID BRAIDED	SHORT-TERM HEALING 1 day 100% 5 days 60% 10 - 14 days 0%	12 days	42 days
MONOLAC MONOFILAMENT	MID-TERM HEALING 1 day 100% 7 days 60% (violet) 50% (natural) 14 days 30% (violet) 20% (natural) 28 days 0%	30 days	90 - 120 days
CHIRASORB BRAIDED	MID-TERM HEALING 1 day 100% 14 days 75% 21 days 50% 30 days 25% 56 - 70 days 0%	35 days	56 - 70 days
CHIRASORB PLUS BRAIDED	MID-TERM HEALING 1 day 100% 14 days 75% 21 days 50% 56 - 70 days 0%	35 days	56 - 70 days
CHIRLAC BRAIDED	MID-TERM HEALING 1 day 100% 14 days 65% - 75% 21 days 45% - 50% 80 - 90 days 0%	28 - 35 days	80 - 90 days
POLYDOX MONOFILAMENT	LONG-TERM HEALING 1 day 100% 45 days 50% 180 - 240 days 0%	90 - 98 days	180 - 240 days

Veterinary sutures - Non-absorbable threads

CHIRALEN monofilament

Intended for use in Skin Closure, Hernias, Tendons, Vessels and Capsular suturing.

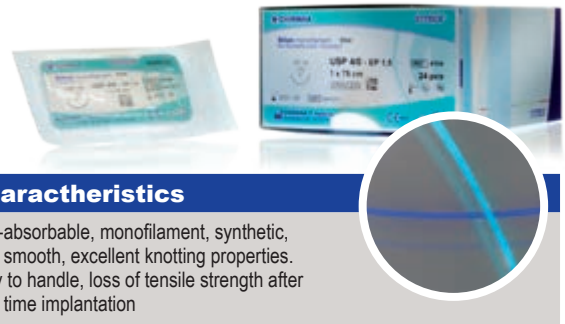
Composition	Colour	Range	Characteristics
Monofilament suture from Polypropylene	Blue and Black	10/0 to 2 USP	Non-absorbable, monofilament, synthetic, no capillary effect, smooth, nonporous surface, suited for stitches in infected wounds



SILON monofilament

Intended for use in Skin Closure and Fixation of Drains / Catheters.

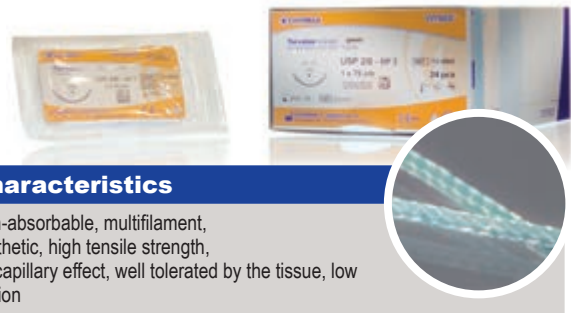
Composition	Colour	Range	Characteristics
Monofilament suture from Polyamide 6 and 6/6 Nylon	Blue and Black	11/0 to 3,5 USP	Non-absorbable, monofilament, synthetic, very smooth, excellent knotting properties, easy to handle, loss of tensile strength after long time implantation



TERVALON braided

Intended for use in Skin Closure and Vascular surgery.

Composition	Colour	Range	Characteristics
Braided and coated suture made of Polyester	Green and White	6/0 to 6 USP	Non-absorbable, multifilament, synthetic, high tensile strength, no capillary effect, well tolerated by the tissue, low friction



SILON braided

Intended for use in Skin Closure, Drain Fixation and Dental surgery.

Composition	Colour	Range	Characteristics
Braided suture made of Polyamide	White and Black	5/0 to 5 USP	Non-absorbable, multifilament, synthetic, high tensile strength, excellent knotting properties, loss of tensile strength after long-term implantation



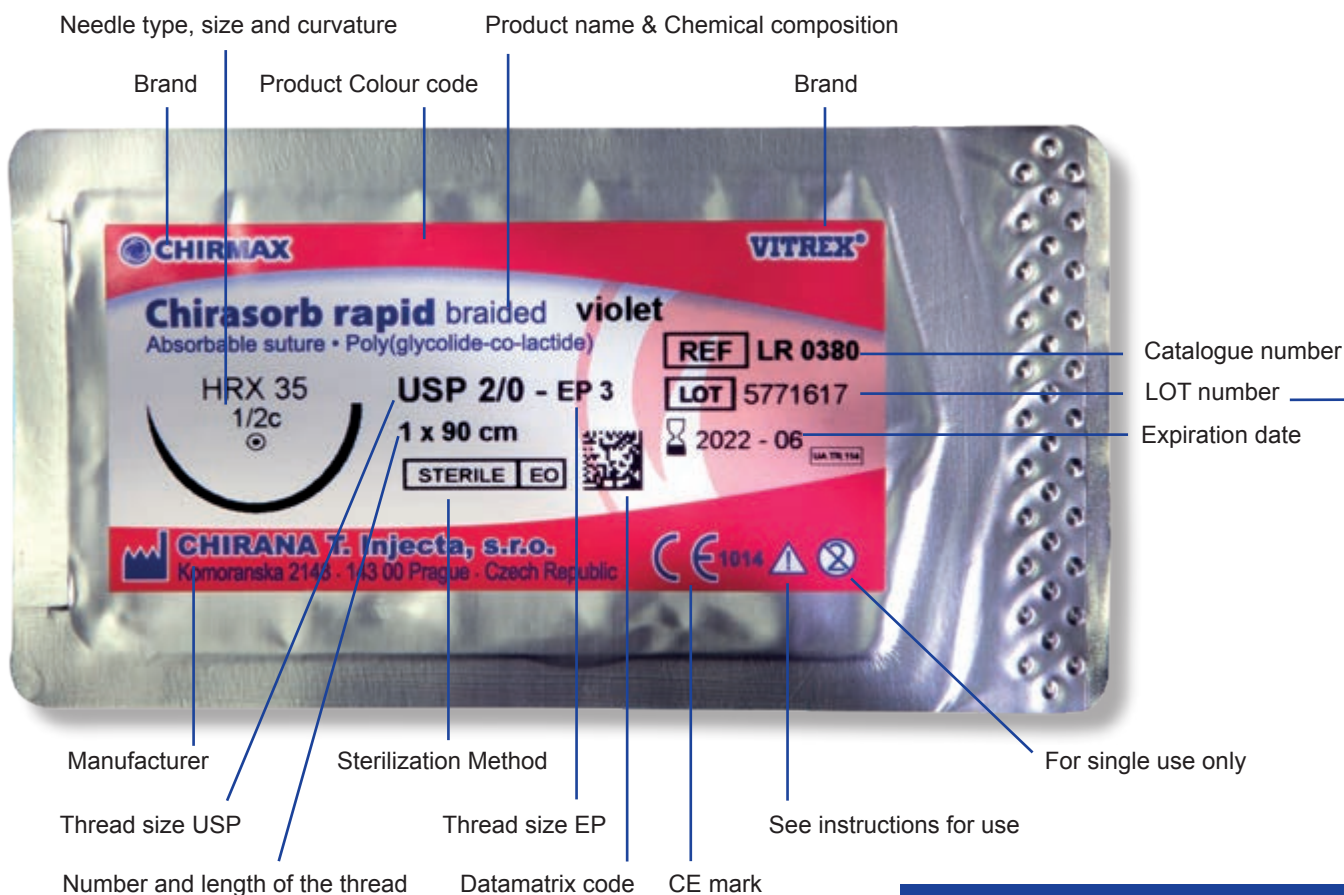
SILK braided

Intended for use in Dental and Vascular surgery.

Composition	Colour	Range	Characteristics
Braided and coated suture made of Silk	Black	9/0 to 5 USP	Non-absorbable, multifilament, synthetic, no capillary effect, loss of tensile strength after long-term implantation



Labeling and Packaging



LOT number YPPTRR

- Y - Shelf life in years
- PP - Production number
- TT - Week of production
- RR - Year of production

Veterinary sutures Delivery forms

The packaging of Vitrex's suture material is stable, friendly-use and functional. It provides optimal mechanical and bacterial safety. The sutures are ready for use in a sterile foil or aluminium pack. Each sales unit contains 24 individual packs.

Vitrex ligatures

Pre-cut length sutures.

Vitrex atraumatic sutures

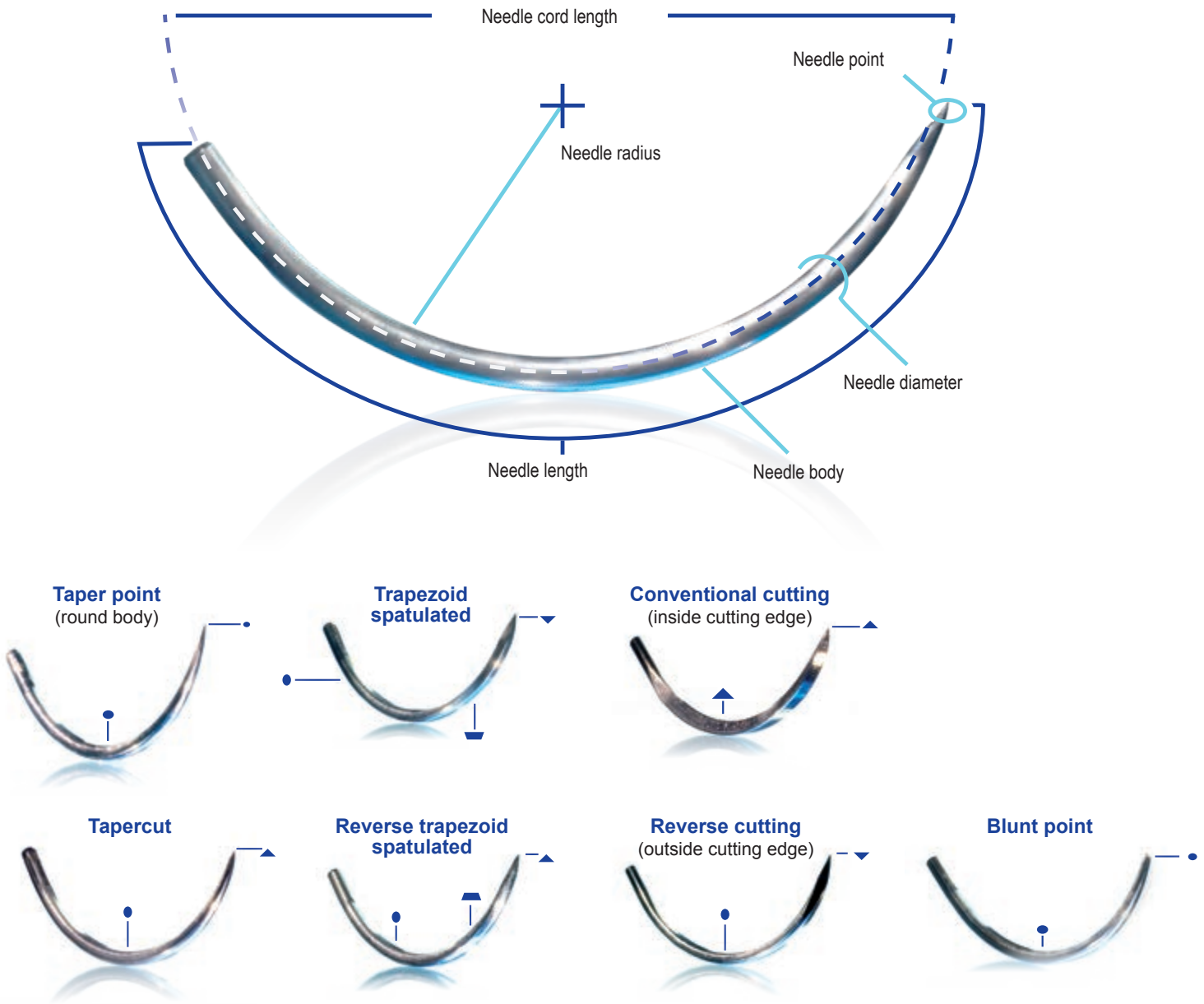
Pre-cut length sutures, armed with a drilled end needle, or a removable needle.

Vitrex bottles

Vitrex Veterinary Sutures offers a comprehensive selection of bottles specially designed for veterinary usage. The bottles are available in lengths between 15 meter and 300 meter.

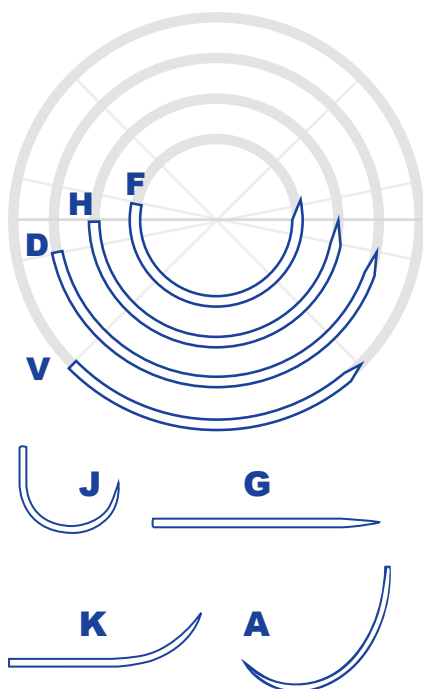


Veterinary Sutures - Needle geometry



Needle Curvature	Needle Body	Needle Point	Speciality
V - 1/4	R - Round body	T - Tapercut	S - Slim, rectangular body
H - 1/2	S - Reverse cutting	N - Blunt	A - Take-off needle
D - 3/8	SC - Conventional cutting	M - Micropoint	X - Extra strong needle
F - 5/8	LZ - Spatula		Black - Black needle
J - Hook	RF - Round, flattened body		
A - Asymmetric			
K - Ski			
G - Straight			

Veterinary Sutures - Needle geometry



Needle curvature

F	5/8 circle	Anal region, Nasal cavity, Urogenital tract, Pelvic region or other confined spaces.
H	1/2 circle	Gastrointestinal tract, Respiratory tract, Urogenital tract, Cardiovascular, Fascia, Muscle, Nasal cavity, Oral cavity, Eye, Pelvis, Skin, Tendons, Subcutaneous fat.
D	3/8 circle	Cardiovascular, Aponeurosis, Nerves, Dura-mater, Fascia, Periostium, Pleura, Urogenital tract, Myocardium, Skin, Eye, Muscles.
V	1/4 circle	Ophthalmology
J	Hook	Urology, laparoscopy
G	Straight	Nasal cavity, Gastrointestinal tract, Oral cavity, Skin, Tendons, Larynx, Vessels.
K	Ski	Laparoscopy, Skin. Allows easy removal of fragments and easy needle holder manipulation.
A	Asymmetric	Plastic, Aesthetics, Robotics, Endoscopy.

European Pharmacopoeia

The publication of the European Pharmacopoeia (Ph. Eur.) resulted in a standardization of the classification of threads and gauges of surgical suture material. The Ph. Eur. specifies a decimal classification and metric coding for the gauges. It quotes a thread diameter of 1/10 mm, so that the thread gauge of 3.5 has a diameter of 0,35 mm. The following table of the gauges gives a comparison of the metric and the USP gauge coding.

EP / Metric	USP	Ø (mm)	Ø (mm) Absorbable monofilaments	
0.2	10-0	0,020-0,029		
0.3	9-0	0,030-0,039		
0.4	8-0	0,040-0,049		
0.5	7-0	0,050-0,069	0,050-0,094	
0.7	6-0	0,070-0,099	0,095-0,149	
1	5-0	0,100-0,149	0,150-0,199	
1.5	4-0	0,150-0,199	0,200-0,249	
2	3-0	0,200-0,249	0,250-0,339	
3	2-0	0,300-0,349	0,340-0,399	
3.5	0	0,350-0,399	0,400-0,499	
4	1	0,400-0,499	0,500-0,570	
5	2	0,500-0,599	0,571-0,610	
6	3+4	0,600-0,699		
7	5	0,700-0,799		
8	6	0,800-0,899		



CHIRASORB rapid braided

CHIRASORB rapid braided is a short-term absorbable, coated, synthetic, multifilament suture made of 90% glycolide and 10% L-lactide. The substances contained in the coating and suture are nonantigenic and noncollagenous. Sterile Chirasorb rapid braided is available in violet and natural.

Absorption begins as a loss of tensile strength without appreciable loss of mass. The product elicits a minimal acute inflammatory reaction in tissues.

Progressive loss of tensile strength and absorption of Chirasorb rapid braided occurs by hydrolysis, when the polymer is degraded to glycolic and lactic acids, which are subsequently absorbed and metabolised by the body.



Sizes: 6/0 to 2 USP

Structure: Multifilament

Absorption method: Hydrolysis

Strength Retention Profile:

SHORT-TERM HEALING (12 days)	
1 Day	100%
5 Days	50%
10-14 Days	0%

Mass Absorption profile: 42 days

CHIRASORB rapid braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
HR 18 	2	3/0	1 x 75 cm	Violet	LR 0257	
HR 27 	1.5 2 3	4/0 3/0 2/0	1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet	LR 0265 LR 0266 LR 0267	
DS: 3/8 circle, reverse cutting needle						
DS 15 	1.5	4/0	1 x 45 cm	Violet	LR 0206	
DS 19 	1 1.5 2	5/0 4/0 3/0	1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet	LR 0210 LR 0211 LR 0212	
DS 19 	1.5	4/0	1 x 75 cm	Natural	LQ 1226	
DSM: 3/8 circle, reverse cutting needle - micropoint						
DSM 12 	1	5/0	1 x 75 cm	Natural	LQ 0198	Advanced cutting needle





CHIRLAC rapid braided

CHIRLAC rapid braided is a short-term absorbable, coated, synthetic, multifilament suture made of low molecular weight polyglycolic acid. The substances contained in the coating and suture are nonantigenic and noncollagenous. Chirlac rapid braided is available in violet and natural.

Progressive loss of tensile strength and absorption of Chirlac rapid braided occurs by hydrolysis, where the polymer degrades to glycolic acid, which is subsequently absorbed and metabolised by the body.

Absorption begins as a loss of tensile strength without appreciable loss of mass. The product elicits a minimal acute inflammatory reaction in tissues.



Sizes: 6/0 to 4 USP

Structure: Multifilament

Absorption method: Hydrolysis

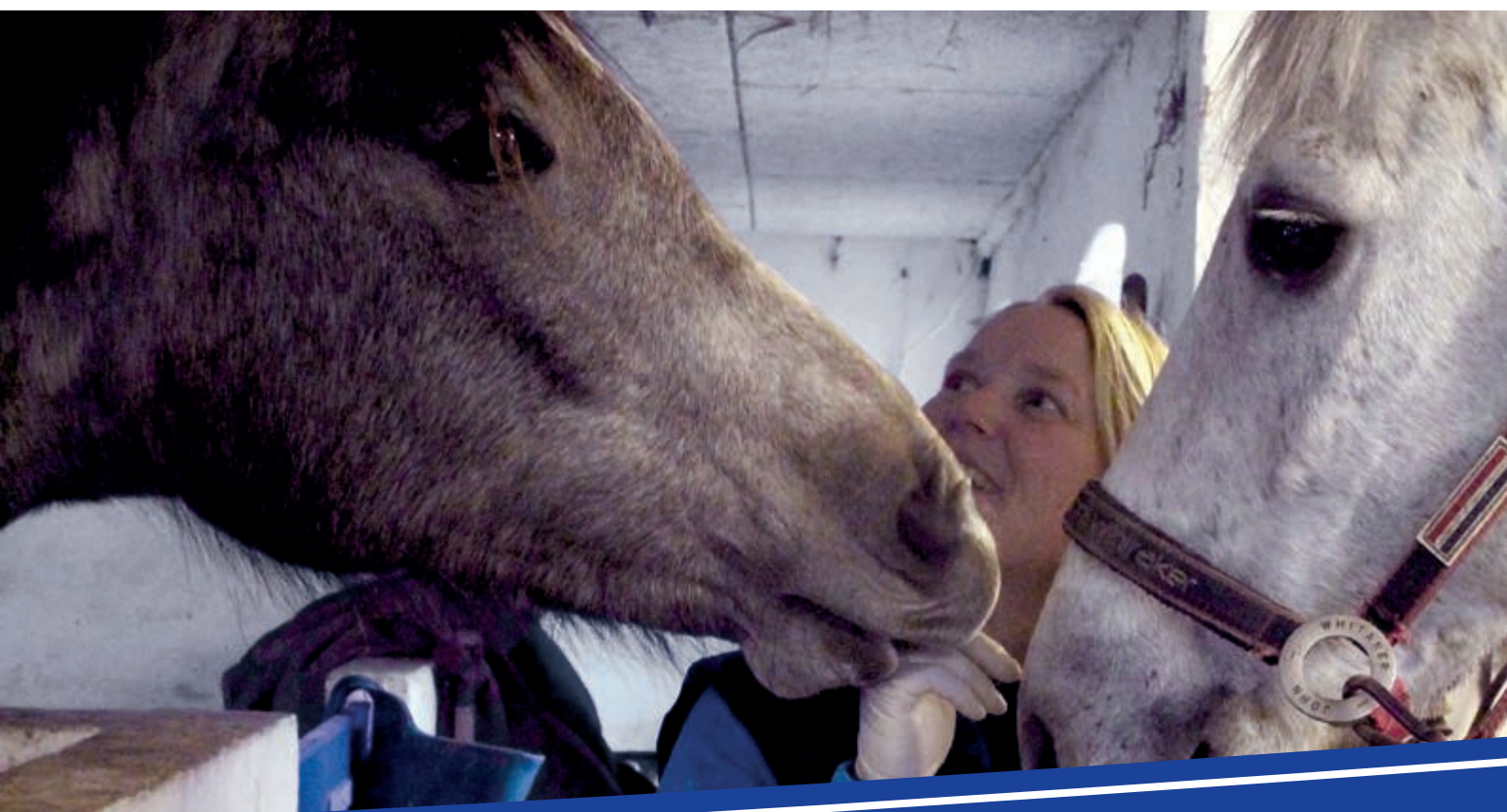
Strength Retention Profile:

SHORT-TERM HEALING (12 days)	
1 Day	100%
5 Days	60%
10-14 Days	0%

Mass Absorption profile: 42 days

CHIRLAC rapid braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
HR 27 	1.5	4/0	1 x 75 cm	Violet	PR 0265	
DS: 3/8 circle, reverse cutting needle						
DS 12 	1	5/0	1 x 45 cm	Violet	PR 0202	
DS 15 	1.5 2	4/0 3/0	1 x 45 cm 1 x 45 cm	Violet Violet	PR 0206 PR 0207	
DS 19 	1 1.5 2	5/0 4/0 3/0	1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet	PR 0210 PR 0211 PR 0212	
DS 19 	1.5	4/0	1 x 75 cm	Natural	PQ 1226	
DSM: 3/8 circle, reverse cutting needle - micropoint						
DSM 12 	1	5/0	1 x 75 cm	Natural	PQ 0198	Advanced cutting needle





MONOLAC monofilament

MONOLAC monofilament is a mid-term absorbable, synthetic suture made of glycolide and ϵ -Caprolactone, available in natural colour for the closure of superficial wounds and in violet for all other indications, when a mid-term monofilament is needed.

During absorption the material elicited only a very slight inflammation.

The material is degraded into adipic acid, which is completely metabolised in the body. The process begins with a loss of tensile strength, followed by a loss of mass at a later stage.



Sizes: 6/0 to 2 USP

Structure: Monofilament

Absorption method: Hydrolysis

Strength Retention Profile:

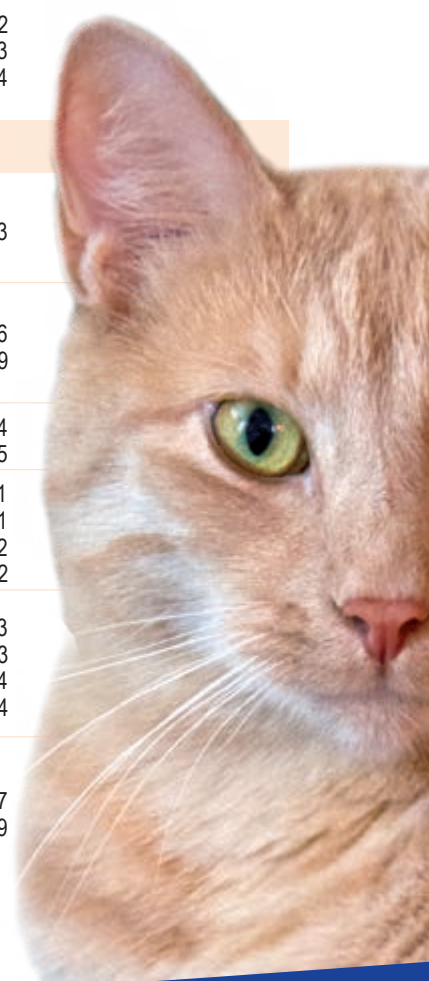
Profile:	MID-TERM HEALING (30 days)
1 Day	100%
7 Days	60% violet/50% natural
14 Days	30% violet/20% natural

Mass Absorption profile:

90 - 120 days

MONOLAC monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
HR 13 	1	5/0	1 x 75 cm	Violet	MV 0252	
HR 18 	1 1.5 2	5/0 4/0 3/0	1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet	MV 0256 MV 0257 MV 0258	
HR 22 	1.5 2	4/0 3/0	1 x 75 cm 1 x 75 cm	Violet Violet	MV 0261 MV 0262	
HR 26 	3	2/0	1 x 75 cm	Violet	MV 0167	
HR 27 	1.5 2 3	4/0 3/0 2/0	1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet	MV 0265 MV 0266 MV 0267	
HR 30 	2 3 3.5	3/0 2/0 0	1 x 75 cm 1 x 75 cm 1 x 75 cm	Natural Violet Violet	MN 0272 MV 0273 MV 0274	
DS: 3/8 circle, reverse cutting needle						
DS 12 	1	5/0	1 x 75 cm	Violet	MV 0203	
DS 15 	1.5 1.5	4/0 4/0	1 x 45 cm 1 x 75 cm	Violet Natural	MV 0206 MN 0209	
DS 19 	1 1.5 1.5 2 2	5/0 4/0 4/0 3/0 3/0	1 x 45 cm 1 x 45 cm 1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet Natural Violet Natural	MV 0214 MV 0215 MV 0211 MN 0211 MV 0212 MN 0212	
DS 25 	2 2 3 3	3/0 3/0 2/0 2/0	1 x 75 cm 1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Natural Violet Natural	MV 0223 MN 0223 MV 0224 MN 0224	
DS 30 	2 3.5	3/0 0	1 x 75 cm 1 x 75 cm	Violet Violet	MV 0227 MV 0229	



MONOLAC monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
DSM: 3/8 circle, reverse cutting needle - micropoint						
DSM 12 	1	5/0	1 x 45 cm	Violet	MV 0231	Advanced cutting needle
DSM 15 	1.5	4/0	1 x 45 cm	Violet	MV 0235	Advanced cutting needle



CHIRASORB braided

CHIRASORB braided is a mid-term absorbable, coated, synthetic, multifilament suture made of 90% glycolide and 10% L-lactide. The substances contained in the coating and suture are nonantigenic and noncollagenous.

Sterile Chirasorb braided is available in violet or natural. The product elicits a minimal acute inflammatory reaction in tissues.

Progressive loss of tensile strength and absorption of Chirasorb braided occurs by hydrolysis, when the polymer is degraded to glycolic and lactic acids, which are subsequently absorbed and metabolised by the body.



Sizes: 10/0 to 6 USP

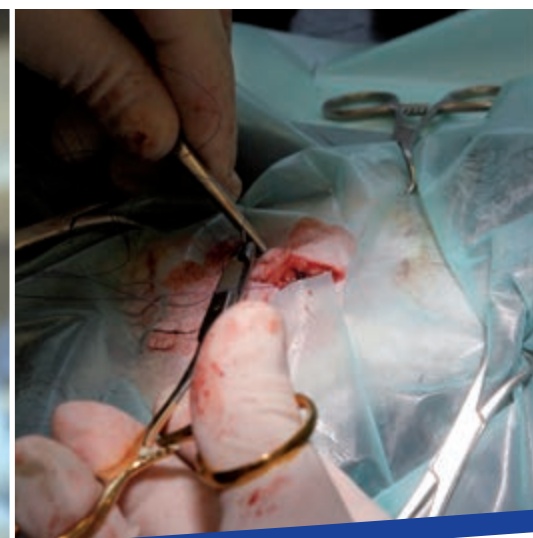
Structure: Multifilament

Absorption method: Hydrolysis

Strength Retention Profile:

MID-TERM HEALING (35 days)	
1 Day	100%
14 Days	75%
21 Days	50%

Mass Absorption profile: 56 - 70 days



CHIRASORB braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
HR 22 	2	3/0	1 x 75 cm	Violet	LV 0262	
HR 26 	2	3/0	1 x 75 cm	Violet	LV 0535	
	3	2/0	1 x 75 cm	Violet	LV 0536	
	3.5	0	1 x 75 cm	Violet	LV 0540	
	4	1	1 x 75 cm	Violet	LV 0541	
HR 27 	1.5	4/0	1 x 75 cm	Violet	LV 0265	
	3	2/0	1 x 75 cm	Violet	LV 0267	
	3	2/0	1 x 90 cm	Violet	LV 0367	
HR 30 	2	3/0	1 x 75 cm	Violet	LV 0269	
	3	2/0	1 x 75 cm	Violet	LV 0273	
	3.5	0	1 x 75 cm	Violet	LV 0274	
	4	1	1 x 75 cm	Violet	LV 1275	
	3	2/0	1 x 90 cm	Violet	LV 0364	
	3.5	0	1 x 90 cm	Violet	LV 0371	
HR 35 	5	2	1 x 75 cm	Violet	LV 1272	
HS: ½ circle, reverse cutting needle						
HS 25 	2	3/0	1 x 75 cm	Violet	LV 0441	
	3	2/0	1 x 75 cm	Violet	LV 0442	



CHIRASORB braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
DS: 3/8 circle, reverse cutting needle						
DS 19 	2	3/0	1 x 45 cm	Violet	LV 0216	
	1.5	4/0	1 x 75 cm	Violet	LV 0211	
	2	3/0	1 x 75 cm	Violet	LV 0212	
	3	2/0	1 x 75 cm	Violet	LV 0213	
DS 24 	2	3/0	1 x 75 cm	Violet	LV 1225	
DS 25 	1.5	4/0	1 x 75 cm	Violet	LV 0222	
	2	3/0	1 x 75 cm	Violet	LV 0223	
	3	2/0	1 x 75 cm	Violet	LV 0224	
	3.5	0	1 x 75 cm	Violet	LV 0225	
	2	3/0	1 x 90 cm	Violet	LV 2223	
DS 30 	3	2/0	1 x 90 cm	Violet	LV 1239	
	3.5	0	1 x 90 cm	Violet	LV 1235	
	4	1	1 x 90 cm	Violet	LV 1236	
	2	3/0	1 x 75 cm	Violet	LV 0233	
	3	2/0	1 x 75 cm	Violet	LV 0234	
DS 38 	3.5	0	1 x 75 cm	Violet	LV 0235	
	3	2/0	1 x 75 cm	Violet	LV 0244	
	4	1	1 x 75 cm	Violet	LV 1246	

CHIRASORB Plus braided

Antibacterial

CHIRASORB Plus braided is a mid-term absorbable, antibacterial coated, synthetic, multifilament suture made of 90% glycolide and 10% L-lactide. The braided suture is covered with antibacterial coating, which consists of copolymer glycolide and lactide, calcium stearate and chlorhexidine diacetate.

Chlorhexidine is a cationic antiseptic with a wide range of antimicrobial effects. It is effective on both Gram-positive and Gram-negative bacteria; the mechanism of action is cytoplasmic membrane disruption.

Sterile Chirasorb Plus braided is available in violet or natural. The product elicits a minimal acute inflammatory reaction in tissues.

Progressive loss of tensile strength and absorption of Chirasorb Plus braided occurs by hydrolysis, when the polymer is degraded to glycolic and lactic acids, which are subsequently absorbed and metabolised by the body.



Sizes: 5/0 to 4 USP

Structure: Multifilament

Absorption method: Hydrolysis

Strength Retention

Profile:	MID-TERM HEALING (35 days)	
	1 Day	100%
	14 Days	75%
	21 Days	50%

Mass Absorption profile:

56 - 70 days



Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
HR 30 	2 3	3/0 2/0	1 x 75 cm 1 x 75 cm	Violet Violet	CV 0269 CV 0273	
HRX: ½ circle, round body needle - extra strong						
HRX 50 	4	1	1 x 75 cm	Violet	CV 0295	
HRT: ½ circle, round body needle - tapercut						
HRT 25 	3.5	0	1 x 75 cm	Violet	CV 0583	
HRF: ½ circle, flattened body needle, taper point						
HRF 17 	1	5/0	1 x 75 cm	Violet	CV 9242	
HS: ½ circle, reverse cutting needle						
HS 25 	2	3/0	1 x 75 cm	Violet	CV 0441	
DS: 3/8 circle, reverse cutting needle						
DS 15 	1	5/0	1 x 45 cm	Violet	CV 0205	
DS 19 	1.5 2	4/0 3/0	1 x 45 cm 1 x 75 cm	Violet Violet	CV 0215 CV 0212	
DS 25 	2 3	3/0 2/0	1 x 75 cm 1 x 75 cm	Violet Violet	CV 0223 CV 0224	
DS 30 	3 3.5	2/0 0	1 x 75 cm 1 x 75 cm	Violet Violet	CV 0234 CV 0235	

CHIRLAC braided

CHIRLAC braided is a mid-term absorbable, synthetic, multifilament suture material of extremely high tensile strength made of the homopolymer of hydroacetic acid (glycolic acid).

The thread has a homogeneous structure and surface, which gives it low frictional properties and holds firmly without slipping when knotted.

Chirlac braided is coated with an absorbable substance, which reduces the capillary effect, provides excellent holding properties and diminishes the tendency to cut into the flesh, while ensuring that the knots hold firmly.

Chirlac braided is degraded in the body by a simple hydrolytic process. The degraded products are metabolised completely in the body. Absorption begins as a loss of tensile strength without appreciable loss of mass.



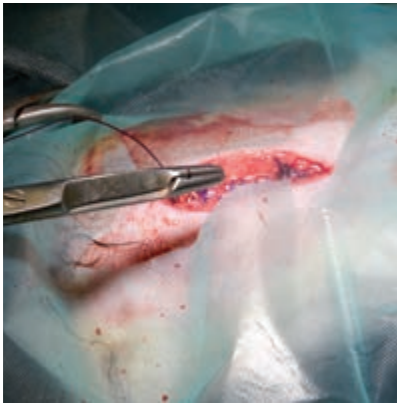
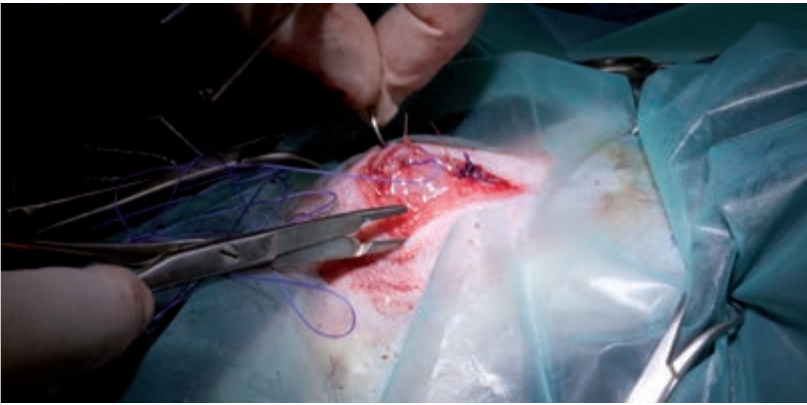
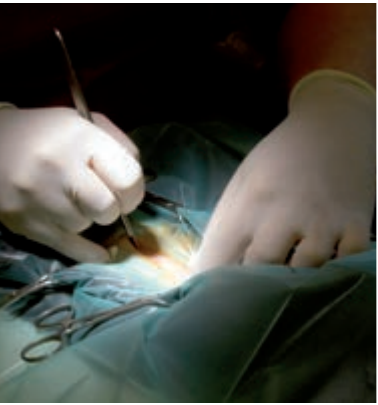
Sizes: 9/0 to 6 USP

Structure: Multifilament

Absorption method: Hydrolysis

Strength Retention Profile:	MID-TERM HEALING (28 - 35 days)
1 Day	100%
14 Days	65% - 75%
21 Days	45% - 50%

Mass Absorption profile: 80 - 90 days



CHIRLAC braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
HR 22 	2	3/0	1 x 75 cm	Violet	PG 0262	
HR 27 	2 3	3/0 2/0	1 x 75 cm 1 x 75 cm	Violet Violet	PG 0266 PG 0267	
HR 30 	3 3.5	2/0 0	1 x 75 cm 1 x 75 cm	Violet Violet	PG 0273 PG 0274	
HR 35 	3 5	2/0 2	1 x 75 cm 1 x 75 cm	Violet Violet	PG 0271 PG 1272	
	4	1	1 x 90 cm	Violet	PG 0376	
HRT: ½ circle, round body needle - tapercut						
HRT 25 	2	3/0	1 x 75 cm	Violet	PG 0581	
DS: 3/8 circle, reverse cutting needle						
DS 15 	2	3/0	1 x 45 cm	Violet	PG 0207	
DS 19 	1.5 2	4/0 3/0	1 x 45 cm 1 x 45 cm	Violet Violet	PG 0215 PG 0216	
	2	3/0	1 x 75 cm	Violet	PG 0212	
DS 25 	1.5 2 3	4/0 3/0 2/0	1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet	PG 0222 PG 0223 PG 0224	
	3	2/0	1 x 90 cm	Violet	PG 2224	
DS 26 	2	3/0	1 x 45 cm	Violet	PG 1221	
DS 30 	3 3.5 4	2/0 0 1	1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet	PG 0234 PG 0235 PG 0229	
DS 37 	5	2	1 x 75 cm	Violet	PG 1237	

POLYDOX monofilament

POLYDOX monofilament is a long-term absorbable, synthetic suture made of poly-dioxanone. The suture offers good handling combined with great strength due to its slow degradation profile.

Polydox monofilament is ideal for all indications, where an extended wound support of more than 4 weeks is desirable. The threads are available in violet.

The suture is very flexible, pliable and easy to knot. In tissue, the thread can cause a slight initial inflammatory reaction.



Sizes: 7/0 to 4 USP

Structure: Monofilament

Absorption method: Hydrolysis

Strength Retention Profile:

LONG-TERM HEALING (90 - 98 days)	
1 Day	100%
45 Days	50%

Mass Absorption profile: 180 - 240 days



POLYDOX monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
 HR 18	1	5/0	1 x 75 cm	Violet	DX 0257	
	2	3/0	1 x 75 cm	Violet	DX 0259	
 HR 22	1.5	4/0	1 x 75 cm	Violet	DX 0261	
 HR 26	2	3/0	1 x 75 cm	Violet	DX 0366	
	3	2/0	1 x 75 cm	Violet	DX 0365	
 HR 27	1.5	4/0	1 x 75 cm	Violet	DX 0265	
	2	3/0	1 x 75 cm	Violet	DX 0266	
	3	2/0	1 x 75 cm	Violet	DX 0267	
	3.5	0	1 x 75 cm	Violet	DX 0268	
 HR 30	2	3/0	1 x 75 cm	Violet	DX 0270	
	3	2/0	1 x 75 cm	Violet	DX 0271	
	3.5	0	1 x 75 cm	Violet	DX 0272	
 HR 40	4	1	1 x 75 cm	Violet	DX 0277	
	3	2/0	1 x 90 cm	Violet	DX 0375	
HRT: ½ circle, round body needle - tapercut						
 HRT 25	2	3/0	1 x 75 cm	Violet	DX 0581	
 HRT 26	3	2/0	1 x 75 cm	Violet	DX 0572	
HS: ½ circle, reverse cutting needle						
 HS 18	1.5	4/0	1 x 75 cm	Violet	DX 0155	
 HS 21	2	3/0	1 x 75 cm	Violet	DX 0166	
 HS 37	3	2/0	1 x 75 cm	Violet	DX 0177	
	3.5	0	1 x 75 cm	Violet	DX 0178	
	4	1	1 x 75 cm	Violet	DX 0179	

POLYDOX monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
DS: 3/8 circle, reverse cutting needle						
DS 19 	1.5 2	4/0 3/0	1 x 75 cm 1 x 75 cm	Violet Violet	DX 0215 DX 0216	
DS 25 	1.5 2 3 3.5	4/0 3/0 2/0 0	1 x 75 cm 1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet Violet	DX 0226 DX 0227 DX 0228 DX 0229	
DS 30 	3 3.5 4	2/0 0 1	1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet	DX 0232 DX 0234 DX 0235	

Non-absorbable Sutures



CHIRALEN monofilament

CHIRALEN monofilament is a non-absorbable suture made of polypropylene. The thread is hydrophobic and is not subject to degradation by tissue enzymes.

Chiralen monofilament has a smooth, non-porous surface, that guarantees a clean and smooth passage through the tissue, optimal elasticity, good elongation properties and high visibility. In tissues, it can cause a minimal acute inflammatory reaction.



Chemical Composition: Polypropylene

Sizes: 10/0 to 2 USP

Structure: Monofilament

Absorption method: Non-absorbable

Colour: Blue and Black



CHIRALEN monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
HR 27 	2	3/0	1 x 75 cm	Blue	PP 5163	
HR 30 	3	2/0	1 x 75 cm	Blue	PP 5165	
DS: 3/8 circle, reverse cutting needle						
DS 19 	1.5	4/0	1 x 45 cm	Blue	PP 5510	
	2	3/0	1 x 45 cm	Blue	PP 5511	
	1	5/0	1 x 75 cm	Blue	PP 5109	
	1.5	4/0	1 x 75 cm	Blue	PP 5110	
DS 25 	2	3/0	1 x 45 cm	Blue	PP 5516	
	1.5	4/0	1 x 75 cm	Blue	PP 5115	
	2	3/0	1 x 75 cm	Blue	PP 5116	
	3	2/0	1 x 75 cm	Blue	PP 5117	
DS 30 	3	2/0	1 x 75 cm	Blue	PP 5121	
	3.5	0	1 x 75 cm	Blue	PP 5122	
GS: Straight, reverse cutting needle						
GS 60 	2	3/0	1 x 75 cm	Blue	PP 5140	



SILON monofilament

SILON monofilament is a non-absorbable, synthetic suture made of polyamide, which has a smooth non-porous surface.

The thread is extremely useful for skin sutures and has a high tensile strength in knots, and knots tie down easily. The thread is available in blue and black.

Silon monofilament can cause a slight initial inflammatory tissue reaction.



- Chemical Composition:** Polyamide 6
- Sizes:** 10/0 to 2 USP
- Structure:** Monofilament
- Absorption method:** Non-absorbable
- Colour:** Blue and Black

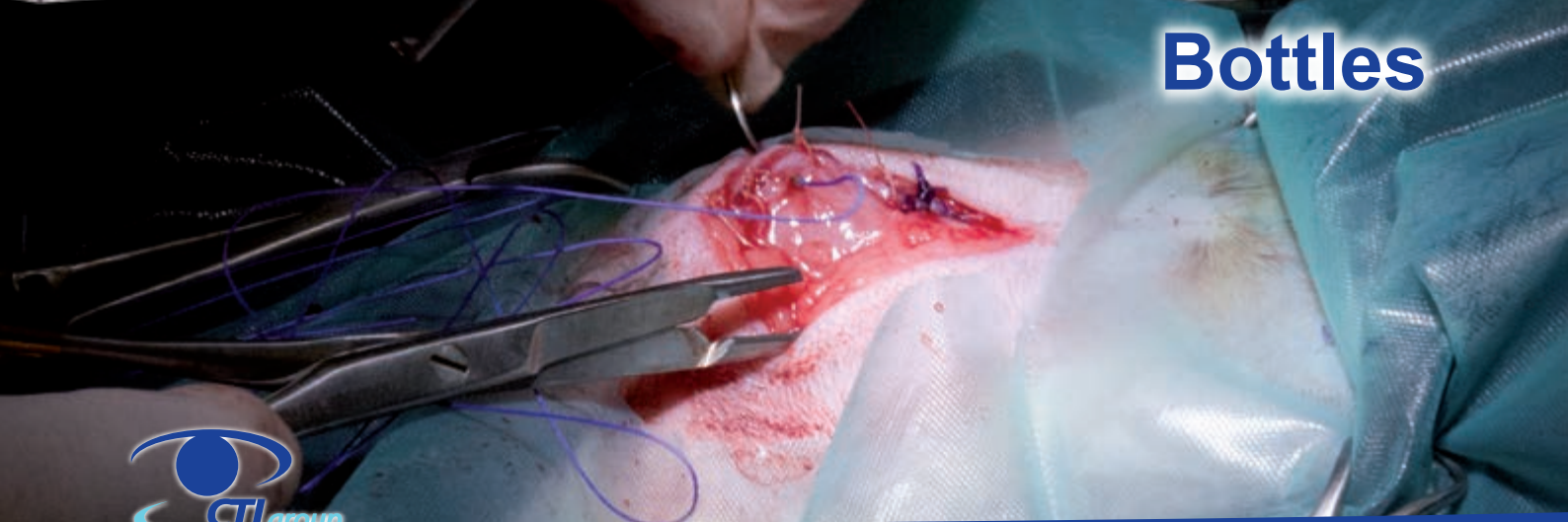


Needle	EP	USP	Length	Colour	Cat. No	Other information
DS: 3/8 circle, reverse cutting needle						
DS 19 	1.5	4/0	1 x 45 cm	Blue	SM 2367	
	2	3/0	1 x 45 cm	Blue	SM 2368	
DS 24 	1.5	4/0	1 x 75 cm	Blue	SM 2267	
	2	3/0	1 x 75 cm	Blue	SM 2268	
DS 25 	2	3/0	1 x 45 cm	Blue	SM 2373	
	3	2/0	1 x 45 cm	Blue	SM 2374	
DS 30 	2	3/0	1 x 75 cm	Blue	SM 2270	
	3	2/0	1 x 75 cm	Blue	SM 2271	
	3.5	0	1 x 75 cm	Blue	SM 2272	
	4	1	1 x 75 cm	Blue	SM 2274	
DS 38 	2	3/0	1 x 75 cm	Blue	4325	
	3	2/0	1 x 75 cm	Blue	SM 2284	
	3.5	0	1 x 75 cm	Blue	SM 2285	
DS 50 	4	1	1 x 90 cm	Blue	SM 4327	
	4	1	1 x 75 cm	Blue	SM 2293	
DS 50 	3	2/0	1 x 90 cm	Blue	SM 3291	
	4	1	1 x 100 cm	Blue	SM 2693	





Bottles





CHIRASORB braided violet
Bottles

EP	USP	Length	Cat. No
2	3/0	50 m	LV 1013
3	2/0	50 m	LV 1014
3.5	0	50 m	LV 1015
4	1	50 m	LV 1016
5	2	50 m	LV 1017
6	3 + 4	50 m	LV 1018
2	3/0	25 m	LV 1043
3	2/0	25 m	LV 1044
3.5	0	25 m	LV 1045
2	3/0	15 m	LV 1023
3	2/0	15 m	LV 1024
3.5	0	15 m	LV 1025
4	1	15 m	LV 1026
5	2	15 m	LV 1027
6	3 + 4	15 m	LV 1028
5	2	15 m	LV 1027
6	3 + 4	15 m	LV 1028



CHIRLAC braided violet
Bottles

EP	USP	Length	Cat. No
2	3/0	50 m	PG 1013
3	2/0	50 m	PG 1014
3.5	0	50 m	PG 1015
4	1	50 m	PG 1016
5	2	50 m	PG 1017
6	3 + 4	50 m	PG 1018
2	3/0	25 m	PG 1043
3	2/0	25 m	PG 1044
3.5	0	25 m	PG 1045
4	1	25 m	PG 1046
5	2	25 m	PG 1047
2	3/0	15 m	PG 1023
3	2/0	15 m	PG 1024
3.5	0	15 m	PG 1025
4	1	15 m	PG 1026
5	2	15 m	PG 1027
6	3 + 4	15 m	PG 1028



POLYDOX monofilament violet
Bottles

EP	USP	Length	Cat. No
2	3/0	50 m	DX 1013
4	1	50 m	DX 1016
2	3/0	25 m	DX 1043
3	2/0	25 m	DX 1044
3.5	0	25 m	DX 1045



CATGUT plain
Bottles

EP	USP	Length	Cat. No
2	4/0	100 m	103 VP
3	3/0	100 m	104 VP
3.5	2/0	100 m	105 VP
4	0	50 m	106 VP
5	1	50 m	107 VP
6	2	50 m	108 VP
7	3	25 m	109 VP
8	4	25 m	110 VP

CATGUT chrom
Bottles

EP	USP	Length	Cat. No
2	4/0	100 m	103 VC
3	3/0	100 m	104 VC
3.5	2/0	100 m	105 VC
4	0	50 m	106 VC
5	1	50 m	107 VC
6	2	50 m	108 VC
7	3	25 m	109 VC
8	4	25 m	110 VC





SILON monofilament blue
Bottles

EP	USP	Length	Cat. No
1	5/0	50 m	SM 0702
1.5	4/0	50 m	SM 0703
2	3/0	50 m	SM 0704
3	2/0	50 m	SM 0705
3.5	0	50 m	SM 0706
4	1	50 m	SM 0707
5	2	50 m	SM 0708
3	2/0	100 m	SM 0725



TERVALON green
Bottles

EP	USP	Length	Cat. No
1.5	4/0	100 m	TG 0503
2	3/0	100 m	TG 0504
3	2/0	100 m	TG 0505
3.5	0	100 m	TG 0506
4	1	50 m	TG 0507
5	2	50 m	TG 0508
6	3 + 4	50 m	TG 0509
7	5	25 m	TG 0510
8	6	25 m	TG 0511



SILON braided white
Bottles

EP	USP	Length	Cat. No
1	5/0	100 m	501 N
1.5	4/0	100 m	502 N
2	3/0	100 m	503 N
2.5	-	100 m	504 N
3	2/0	100 m	505 N
3.5	0	100 m	506 N
4	1	50 m	507 N
5	2	50 m	508 N
6	3 + 4	50 m	509 N
7	5	50 m	510 N



SILK black
Bottles

EP	USP	Length	Cat. No
1	5/0	100 m	302 N
1.5	4/0	100 m	303 N
2	3/0	100 m	304 N
3	2/0	100 m	306 N
4	1	50 m	308 N
5	2	50 m	309 N
7	5	25 m	311 N

Eye needles

Veterinary Eye needles are made of high-quality stainless steel. Different types of needles are available to meet a full range of requirements. The needles are always packed in foil pouches with 12 pieces.

The Eye needle range consists of Eye needles with a double spring eye and with a regular eye.

Eye needles
Double spring



Eye needles
Regular



Eye needles

Double spring



Needle	Needle no.	Wire diameter (mm)	Cat. No
PB HR: ½ circle, round body needle			
HR 61 	0	0.65	EY 8002
HR 52 	1	0.65	EY 8003
HR 42 	2	0.65	EY 8004
HR 36 	3	0.55	EY 8005
HR 30 	4	0.55	EY 8006

Eye needles

Double spring

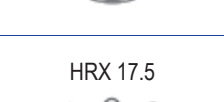


Needle	Needle no.	Wire diameter (mm)	Cat. No
PB HR: ½ circle, round body needle			
HR 24	5	0.55	EY 8007
HR 20	7	0.55	EY 8009
HR 13	9	0.45	EY 8011
E HRX: ½ circle, round body needle - extra strong			
HRX 100	0000	1.20	EY 8700
HRX 72	000	1.10	EY 8701
HRX 63	00	1.10	EY 8703
HRX 54	0	1.00	EY 8705

Eye needles

Double spring



Needle	Needle no.	Wire diameter (mm)	Cat. No
E HRX: ½ circle, round body needle - extra strong			
 HRX 46	1	1.00	EY 8707
 HRX 38	2	0.85	EY 8709
 HRX 30	3	0.75	EY 8711
 HRX 24	4	0.65	EY 8713
 HRX 22	5	0.55	EY 8715
 HRX 17.5	6	0.55	EY 8717
PC GR: Straight, round body needle			
 GR 70	00	0.65	EY 8801
 GR 52	1	0.65	EY 8803
 GR 36	3	0.55	EY 8804
 GR 24	5	0.55	EY 8805

Eye needles

Double spring



Needle	Needle no.	Wire diameter (mm)	Cat. No
GA HS: ½ circle, reverse cutting needle			
HS 72	0	1.80	EY 8623
HS 60	2	1.60	EY 8625
HS 54	3	1.40	EY 8626
HS 46	4	1.40	EY 8627
HS 38	5	1.30	EY 8628
HS 32	6	1.10	EY 8629
HS 23	8	1.00	EY 8631

Eye needles

Double spring



Needle	Needle no.	Wire diameter (mm)	Cat. No
GE HS: ½ circle, reverse cutting needle			
HS 80	1	1.30	EY 8601
HS 68	3	1.10	EY 8603
HS 58	5	1.10	EY 8605
HS 50	8	1.00	EY 8608
HS 42	11	0.85	EY 8611
HS 34	14	0.75	EY 8614
HS 28	17	0.65	EY 8617
HS 24.5	19	0.65	EY 8619

Eye needles

Double spring



Needle	Needle no.	Wire diameter (mm)	Cat. No
GE HS: ½ circle, reverse cutting needle			
HS 20	21	0.55	EY 8621
HS 17.5	22	0.55	EY 8622
BE DS: 3/8 circle, reverse cutting needle			
DS 58	5	1.10	EY 8405
DS 50	8	1.00	EY 8408
DS 44	10	0.85	EY 8410
DS 36	13	0.75	EY 8413
DS 32	15	0.75	EY 8415
DS 28	17	0.65	EY 8417
DS 24.5	19	0.65	EY 8419
DS 20	21	0.55	EY 8421

Eye needles

Double spring



Needle	Needle no.	Wire diameter (mm)	Cat. No
BE DS: 3/8 circle, reverse cutting needle			
DS 17.5 	22	0.55	EY 8422
DS 12 	24	0.55	EY 8424

Eye needles

Regular



Needle	Needle no.	Wire diameter (mm)	Cat. No
PB HR: 1/2 circle, round body needle			
HR 24 	5	0.55	EY 9007
E HRX: 1/2 circle, round body needle - extra strong			
HRX 72 	000	1.10	EY 9701
HRX 38 	2	0.85	EY 9709
GA HS: 1/2 circle, reverse cutting needle			
HS 32 	6	1.10	EY 9629

Eye needles

Regular



Needle	Needle no.	Wire diameter (mm)	Cat. No
GE HS: ½ circle, reverse cutting needle			
HS 42	11	0.85	EY 9611
HS 34	14	0.75	EY 9614
HS 24.5	19	0.65	EY 9619
HS 20	21	0.55	EY 9621
BE DS: 3/8 circle, reverse cutting needle			
DS 58	5	1.10	EY 9405
DS 44	10	0.85	EY 9410
DS 32	15	0.75	EY 9415
DS 28	17	0.65	EY 9417
DS 24.5	19	0.65	EY 9419
DS 20	21	0.55	EY 9421

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