

Chirasorb



Chirasorb Plus braided

Chirasorb

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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.



Indication: General soft tissue approximation and/or ligation in all specialties.

Contraindication: Chirasorb Plus braided should not be used in tissues subject to expansion, stretching or distension, or which might require long-term mechanical support. Chirasorb Plus braided should not be used in patients with known allergic reactions to Chlorhexidine.

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

CHIRASORB Plus braided violet ligatures



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Pre-cut threads

EP	USP	Length	Cat. No
1	5/0	3 x 45 cm	CV 0012
1.5	4/0	3 x 45 cm	CV 0013
2	3/0	3 x 45 cm	CV 0014
3	2/0	3 x 45 cm	CV 0015
3.5	0	3 x 45 cm	CV 0016
4	1	3 x 45 cm	CV 0017
5	2	3 x 45 cm	CV 0018
1	5/0	6 x 45 cm	CV 0042
1.5	4/0	6 x 45 cm	CV 0043
2	3/0	6 x 45 cm	CV 0044
3	2/0	6 x 45 cm	CV 0045
3.5	0	6 x 45 cm	CV 0046
4	1	6 x 45 cm	CV 0047
5	2	6 x 45 cm	CV 0048
2	3/0	10 x 45 cm	CV 0064
3	2/0	10 x 45 cm	CV 0065
3.5	0	10 x 45 cm	CV 0066
4	1	10 x 45 cm	CV 0067
5	2	10 x 45 cm	CV 0068
1	5/0	2 x 75 cm	CV 0022
1.5	4/0	2 x 75 cm	CV 0023
2	3/0	2 x 75 cm	CV 0024
3	2/0	2 x 75 cm	CV 0025
3.5	0	2 x 75 cm	CV 0026
4	1	2 x 75 cm	CV 0027
5	2	2 x 75 cm	CV 0028
1.5	4/0	5 x 75 cm	CV 0053
2	3/0	5 x 75 cm	CV 0054
3	2/0	5 x 75 cm	CV 0055

Pre-cut threads

EP	USP	Length	Cat. No
3.5	0	5 x 75 cm	CV 0056
4	1	5 x 75 cm	CV 0057
5	2	5 x 75 cm	CV 0058
1.5	4/0	1 x 150 cm	CV 0083
2	3/0	1 x 150 cm	CV 0084
3	2/0	1 x 150 cm	CV 0085
3.5	0	1 x 150 cm	CV 0089
4	1	1 x 150 cm	CV 0087
5	2	1 x 150 cm	CV 0090

Chirapack - 20 pcs./box

EP	USP	Length	Cat. No
2	3/0	1 x 250 cm	CV 1004
3	2/0	1 x 250 cm	CV 1005
3.5	0	1 x 250 cm	CV 1006
4	1	1 x 250 cm	CV 1007
5	2	1 x 250 cm	CV 1008
1.5	4/0	1 x 300 cm	CV 0003
2	3/0	1 x 300 cm	CV 0004
3	2/0	1 x 300 cm	CV 0005
3.5	0	1 x 300 cm	CV 0006
4	1	1 x 300 cm	CV 0007
5	2	1 x 300 cm	CV 0008
6	3 + 4	1 x 300 cm	CV 0009

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Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
HR 10 	1	5/0	1 x 75 cm	Violet	CV 0248	
HR 13 	1	5/0	1 x 45 cm	Violet	CV 0252	
	1.5	4/0	1 x 45 cm	Violet	CV 0253	
	2	3/0	1 x 45 cm	Violet	CV 0250	
HR 18 	1	5/0	1 x 75 cm	Violet	CV 0254	
	1.5	4/0	1 x 75 cm	Violet	CV 0255	
	2	3/0	1 x 45 cm	Violet	CV 0259	
HR 22 	1.5	4/0	1 x 45 cm	Violet	CV 0258	
	2	3/0	1 x 45 cm	Violet	CV 0259	
	3	2/0	1 x 75 cm	Violet	CV 0260	
HR 27 	1.5	4/0	6 x 45 cm	Violet	CV 0526	
	2	3/0	6 x 45 cm	Violet	CV 0527	
	3	2/0	1 x 75 cm	Violet	CV 0263	
2 x HR 27 	2	3/0	4 x 75 cm	Violet	CV 0322	
	3	2/0	4 x 75 cm	Violet	CV 0323	
	1.5	4/0	1 x 45 cm	Violet	CV 0245	
HR 27 	2	3/0	6 x 45 cm	Violet	CV 0537	
	3	2/0	6 x 45 cm	Violet	CV 0538	
	1.5	4/0	1 x 75 cm	Violet	CV 0265	
HR 27 	2	3/0	1 x 75 cm	Violet	CV 0266	
	3	2/0	1 x 75 cm	Violet	CV 0267	
	3.5	0	1 x 75 cm	Violet	CV 0268	
HR 27 	2	3/0	1 x 90 cm	Violet	CV 0366	
	3	2/0	1 x 90 cm	Violet	CV 0367	
	2	3/0	1 x 90 cm	Violet	CV 2466	
	3	2/0	1 x 90 cm	Violet	CV 2467	



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Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
 HR 30	2	3/0	1 x 45 cm	Violet	CV 0169	
	2	3/0	1 x 75 cm	Violet	CV 0269	
	3	2/0	1 x 75 cm	Violet	CV 0273	
	3.5	0	1 x 75 cm	Violet	CV 0274	
	4	1	1 x 75 cm	Violet	CV 1275	
 HR 35	3.5	0	1 x 90 cm	Violet	CV 0371	
	2	3/0	1 x 75 cm	Violet	CV 0270	
	3	2/0	1 x 75 cm	Violet	CV 0271	
	3.5	0	1 x 75 cm	Violet	CV 0272	
	4	1	1 x 75 cm	Violet	CV 1273	
 HR 40	5	2	1 x 75 cm	Violet	CV 1272	
	3	2/0	1 x 90 cm	Violet	CV 0374	
	3.5	0	1 x 90 cm	Violet	CV 0375	
	4	1	1 x 90 cm	Violet	CV 0376	
	3	2/0	1 x 75 cm	Violet	CV 0275	
 HR 48	3.5	0	1 x 75 cm	Violet	CV 0276	
	4	1	1 x 75 cm	Violet	CV 0277	
	4	1	1 x 75 cm	Violet	CV 1475	
	5	2	1 x 90 cm	Violet	CV 1476	
	3	2/0	1 x 90 cm	Violet	CV 1477	
 HR 48	5	2	1 x 90 cm	Violet	CV 1478	
	3.5	0	1 x 75 cm	Violet	CV 1402	
	4	1	1 x 75 cm	Violet	CV 1396	
	5	2	1 x 75 cm	Violet	CV 1400	
	3.5	0	1 x 90 cm	Violet	CV 1403	
 HR 48	4	1	1 x 90 cm	Violet	CV 1401	
	5	2	1 x 90 cm	Violet	CV 1399	
	5	2	1 x 90 cm	Violet	CV 1399	



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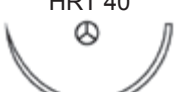
Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
HR 50 	3.5	0	1 x 90 cm	Violet	CV 1392	
HR 60 	3 3.5	2/0 0	1 x 75 cm 1 x 75 cm	Violet Violet	CV 0278 CV 0279	
HR 65 	4 5	1 2	1 x 75 cm 1 x 75 cm	Violet Violet	CV 1285 CV 1286	
HR 75 	5	2	1 x 75 cm	Violet	CV 0496	
HR s: ½ circle, round body needle - slim						
HR s 18 	1.5 2	4/0 3/0	1 x 75 cm 1 x 75 cm	Violet Violet	CV 1256 CV 1257	Slim needle
HR s 27 Black 	3	2/0	1 x 75 cm	Violet	CV 2267	Slim, black needle

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Needle	EP	USP	Length	Colour	Cat. No	Other information
HRX: ½ circle, round body needle - extra strong						
HRX 22 	2	3/0	1 x 75 cm	Violet	CV 0420	
HRX 27 	2 3 3.5 4	3/0 2/0 0 1	1 x 75 cm 1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet Violet	CV 0429 CV 0430 CV 0431 CV 0432	
HRX 30 	2 4	3/0 1	1 x 75 cm 1 x 90 cm	Violet Violet	CV 0426 CV 1438	
HRX 35 	3 3.5 4 3.5	2/0 0 1 0	1 x 75 cm 1 x 75 cm 1 x 75 cm 1 x 90 cm	Violet Violet Violet Violet	CV 0280 CV 0281 CV 0282 CV 0381	
HRX 40 	3.5 4 3.5 4	0 1 0 1	1 x 75 cm 1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet Violet	CV 0285 CV 0286 CV 0285 CV 0286	
HRX 40 	3.5 4 5	0 1 2	1 x 90 cm 1 x 90 cm 1 x 90 cm	Violet Violet Violet	CV 0385 CV 0386 CV 0387	
HRX 40 	3.5 4	0 1	1 x 150 cm 1 x 150 cm	Violet Violet	CV 4035 CV 4040	Loop Loop
HRX 45 	4 5 4 5	1 2 1 2	1 x 75 cm 1 x 75 cm 1 x 90 cm 1 x 90 cm	Violet Violet Violet Violet	CV 0290 CV 0291 CV 0390 CV 0391	
HRX 45 	3.5 4 5	0 1 2	1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet	CV 0294 CV 0295 CV 0296	
HRX 50 	4 5 5 4	1 2 2 1	1 x 90 cm 1 x 90 cm 1 x 110 cm 1 x 150 cm	Violet Violet Violet Violet	CV 0395 CV 0396 CV 0393 CV 4540	Loop

CHIRASORB Plus braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HRT: ½ circle, round body needle - tapercut						
 HRT 17	1.5	4/0	1 x 45 cm	Violet	CV 0566	
	1.5 2	4/0 3/0	1 x 75 cm 1 x 75 cm	Violet Violet	CV 0561 CV 0562	
 HRT 25	2	3/0	1 x 75 cm	Violet	CV 0581	
	3	2/0	1 x 75 cm	Violet	CV 0582	
	3.5	0	1 x 75 cm	Violet	CV 0583	
 HRT 30	3.5	0	1 x 75 cm	Violet	CV 0586	
	4	1	1 x 75 cm	Violet	CV 0587	
	4	1	1 x 90 cm	Violet	CV 0589	
 HRT 31	3	2/0	1 x 75 cm	Violet	CV 0606	
 HRT 37	3	2/0	1 x 75 cm	Violet	CV 0592	
	3.5	0	1 x 75 cm	Violet	CV 0593	
	3	2/0	1 x 90 cm	Violet	CV 0597	
	3.5 4	0 1	1 x 90 cm 1 x 90 cm	Violet Violet	CV 0598 CV 0599	
 HRT 40	3.5	0	1 x 75 cm	Violet	CV 0653	
	4	1	1 x 90 cm	Violet	CV 0651	
 HRT 45	3	2/0	1 x 75 cm	Violet	CV 0663	
	5	2	1 x 75 cm	Violet	CV 0665	
 HRT 48	3	2/0	1 x 75 cm	Violet	CV 1671	
	5	2	1 x 90 cm	Violet	CV 1668	

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Absorbable - Chirasorb Plus braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HRN: ½ circle, round body needle - blunt point						
HRN 50 	4	1	1 x 90 cm	Violet	CV 0686	
HRF: ½ circle, flattened body needle, taper point						
HRF 17 	1 1.5	5/0 4/0	1 x 75 cm 1 x 75 cm	Violet Violet	CV 9242 CV 9256	
HRF 22 	1.5 2	4/0 3/0	1 x 75 cm 1 x 75 cm	Violet Violet	CV 9344 CV 9343	
HRF 26 	2 3	3/0 2/0	1 x 75 cm 1 x 75 cm	Violet Violet	CV 9266 CV 9267	
	2	3/0	1 x 90 cm	Violet	CV 9366	
HRF 31 	2 3	3/0 2/0	1 x 75 cm 1 x 75 cm	Violet Violet	CV 9269 CV 9273	
HRF 36 	2 3 3.5	3/0 2/0 0	1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet	CV 9577 CV 9236 CV 9235	
DR: 3/8 circle, round body needle						
DR 15 	1.5	4/0	1 x 75 cm	Violet	CV 0724	
DR 21 	3	2/0	1 x 75 cm	Violet	CV 0744	
DR 30 	2	3/0	1 x 75 cm	Violet	CV 0746	

CHIRASORB Plus braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
DRN: 3/8 circle, round body needle - blunt point						
 DRN 60	4	1	1 x 100 cm	Violet	CV 0699	
FR: 5/8 circle, round body needle						
 FR 27	3 3.5	2/0 0	1 x 75 cm 1 x 75 cm	Violet Violet	CV 0610 CV 0611	
 FR 38	3 3.5	2/0 0	1 x 75 cm 1 x 75 cm	Violet Violet	CV 0620 CV 0621	
GR: Straight, round body needle						
 GR 20	1.5 2	4/0 3/0	1 x 45 cm 1 x 45 cm	Violet Violet	CV 0406 CV 0407	
	1.5	4/0	1 x 75 cm	Violet	CV 0402	
	3	2/0	1 x 90 cm	Violet	CV 0399	
JRT: Hook shaped, round body needle - tapercut						
 JRT 30	4	1	1 x 75 cm	Violet	CV 0694	
KR: Ski, round body needle						
 KR 27	2	3/0	1 x 40 cm	Violet	CV 4630	Loop

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Absorbable - Chirasorb Plus braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HS: ½ circle, reverse cutting needle						
HS 18 	2 3	3/0 2/0	1 x 75 cm 1 x 75 cm	Violet Violet	CV 0424 CV 0425	
HS 21 	1.5	4/0	1 x 75 cm	Violet	CV 0300	
HS 25 	2 3 3.5	3/0 2/0 0	1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet	CV 0441 CV 0442 CV 0443	
HS 30 	3 3.5 4	2/0 0 1	1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet	CV 0445 CV 0446 CV 0447	
HS 37 	3.5 4	0 1	1 x 75 cm 1 x 75 cm	Violet Violet	CV 1451 CV 1452	
	3.5 5	0 2	1 x 90 cm 1 x 90 cm	Violet Violet	CV 0451 CV 0453	
HS 40 	3 3.5 4 5	2/0 0 1 2	1 x 75 cm 1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet Violet	CV 0455 CV 0456 CV 0457 CV 0458	
	3.5 4	0 1	1 x 90 cm 1 x 90 cm	Violet Violet	CV 0460 CV 0461	
HS 48 	3.5	0	1 x 75 cm	Violet	CV 0466	
	4 5	1 2	1 x 90 cm 1 x 90 cm	Violet Violet	CV 0469 CV 0470	

CHIRASORB Plus braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
DS: 3/8 circle, reverse cutting needle						
DS 12 	1 1.5	5/0 4/0	1 x 45 cm 1 x 45 cm	Violet Violet	CV 0202 CV 0203	
DS 15 	1 1.5 2	5/0 4/0 3/0	1 x 45 cm 1 x 45 cm 1 x 45 cm	Violet Violet Violet	CV 0205 CV 0206 CV 0207	
DS 19 	1 1.5 2	5/0 4/0 3/0	1 x 45 cm 1 x 45 cm 1 x 45 cm	Violet Violet Violet	CV 0214 CV 0215 CV 0216	
	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	CV 0211 CV 0212 CV 0213	
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	CV 0222 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	
DSM: 3/8 circle, reverse cutting needle - micropoint						
DSM 12 	1	5/0	1 x 45 cm	Violet	CV 0302	Advanced cutting needle
GS: Straight, reverse cutting needle						
GS 13 	1.5	4/0	1 x 45 cm	Violet	CV 1198	



CHIRASORB Plus braided natural ligatures



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Pre-cut threads

EP	USP	Length	Cat. No
1	5/0	3 x 45 cm	CN 0012
1.5	4/0	3 x 45 cm	CN 0013
2	3/0	3 x 45 cm	CN 0014
3	2/0	3 x 45 cm	CN 0015
3.5	0	3 x 45 cm	CN 0016
2	3/0	10 x 45 cm	CN 0064
3	2/0	10 x 45 cm	CN 0065
1	5/0	2 x 75 cm	CN 0022
1.5	4/0	2 x 75 cm	CN 0023
2	3/0	2 x 75 cm	CN 0024
3	2/0	2 x 75 cm	CN 0025
1.5	4/0	5 x 75 cm	CN 0053
2	3/0	5 x 75 cm	CN 0054
3	2/0	5 x 75 cm	CN 0055
3.5	0	5 x 75 cm	CN 0056
4	1	5 x 75 cm	CN 0057
5	2	5 x 75 cm	CN 0058

Chirapack - 20 pcs./box

EP	USP	Length	Cat. No
1.5	4/0	1 x 300 cm	CN 0003
2	3/0	1 x 300 cm	CN 0004
3	2/0	1 x 300 cm	CN 0005
3.5	0	1 x 300 cm	CN 0006

CHIRASORB Plus braided

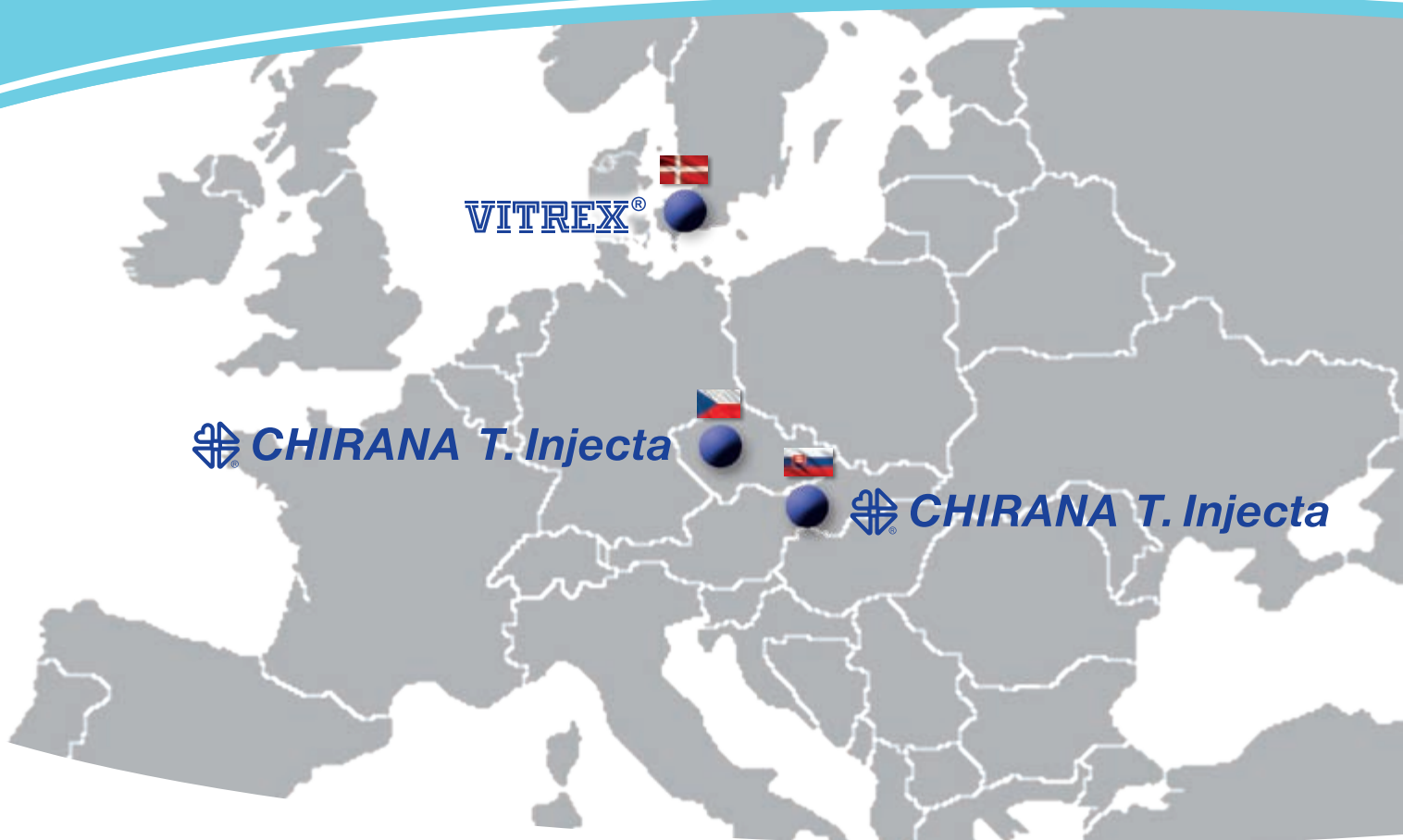
Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
HR 13 	1 1.5	5/0 4/0	1 x 45 cm 1 x 45 cm	Natural Natural	CN 0252 CN 0253	
HR 18 	1.5 2	4/0 3/0	1 x 75 cm 1 x 75 cm	Natural Natural	CN 0256 CN 0257	
HR 22 	2 3	3/0 2/0	1 x 75 cm 1 x 75 cm	Natural Natural	CN 0262 CN 0263	
HR 27 	2	3/0	1 x 75 cm	Natural	CN 0266	
HR 30 	3.5	0	1 x 75 cm	Natural	CN 0274	
HRT: ½ circle, round body needle - tapercut						
HRT 17 	1.5 2	4/0 3/0	1 x 75 cm 1 x 75 cm	Natural Natural	CN 0561 CN 0562	
HRT 22 	2	3/0	1 x 75 cm	Natural	CN 0572	
HRT 40 	3 3.5	2/0 0	1 x 75 cm 1 x 75 cm	Natural Natural	CN 0694 CN 0653	



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Needle	EP	USP	Length	Colour	Cat. No	Other information
HRF: ½ circle, flattened body needle, taper point						
HRF 13 	1	5/0	1 x 45 cm	Natural	CN 9252	
HRF 22 	2	3/0	1 x 75 cm	Natural	CN 9262	
HRF 26 	3	2/0	1 x 75 cm	Natural	CN 9267	
DS: 3/8 circle, reverse cutting needle						
DS 12 	1	5/0	1 x 45 cm	Natural	CN 1202	
DS 15 	1.5 2	4/0 3/0	1 x 45 cm 1 x 45 cm	Natural Natural	CN 1206 CN 1207	
DS 19 	1 1.5 2	5/0 4/0 3/0	1 x 45 cm 1 x 45 cm 1 x 45 cm	Natural Natural Natural	CN 1215 CN 1216 CN 1217	
	1.5 2 3	4/0 3/0 2/0	1 x 75 cm 1 x 75 cm 1 x 75 cm	Natural Natural Natural	CN 1211 CN 1212 CN 1213	



The CTI group

A constellation of 3 European manufacturers of high quality products for the healthcare sector

The CTI group consists of: CHIRANA T. Injecta in Slovakia, CHIRANA T. Injecta in the Czech Republic and Vitrex Medical in Denmark.

The intention of CTI group is to serve as an “umbrella-organization”, where the individual companies collaborate to be “Committed to Innovation” and reach the joint goal:
- to develop, produce and distribute high quality, healthcare products.





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The CTI group

CHIRANA T. Injecta, Slovakia

CHIRANA T. Injecta is a global, state of the art manufacturer of healthcare products, which was founded in 1935.

In 1947 CHIRANA T. Injecta started manufacturing glass syringes and they have ever since focused on development and production of high quality, disposable products for the healthcare sector. Through continuously updating production facilities and expanding their product range, they are today supplying:

- Hypodermic syringes
- Perfusion syringes
- Pen and Blood collection needles
- Insulin syringes
- Cannula and lancet needles

CHIRANA T. Injecta, Czech Republic

CHIRANA T. Injecta was founded in 1930. Since the early 1990s they have made substantial investments in upgrading the production resources, enabling the company to offer products in an unique quality.

Their more than 85 years of experience with manufacturing sutures has resulted in top priority within quality control, product development and sutures manufactured in line with state of the art technology. Their present range consist of:

- Surgical Sutures, Ligatures and Meshes
- Veterinary bottles and Eye needles
- Microsurgery and Cardiovascular sutures
- Antibacterial sutures

VITREX Medical, Denmark

Vitrex Medical was founded in 1965 and has since the 1970s mainly focused on supplying to the laboratory and analytical sector.

With more than 50 years of experience Vitrex Medical has become the largest manufacturer of capillary tubes in the world today by developing equipment, establishing technologies, and optimizing production processes. Vitrex Medical currently supplies:

- Capillary tubes and Micro-Hematocrit tubes
- Micro-pipettes
- Safety lancets
- Vacuum tubes and Blood collection needles
- Pen needles and Diabetic lancets



Version UK07

Designed by Vitrex Medical A/S

2023-02 Rev.007

CHIRANA T. Injecta, s.r.o.

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