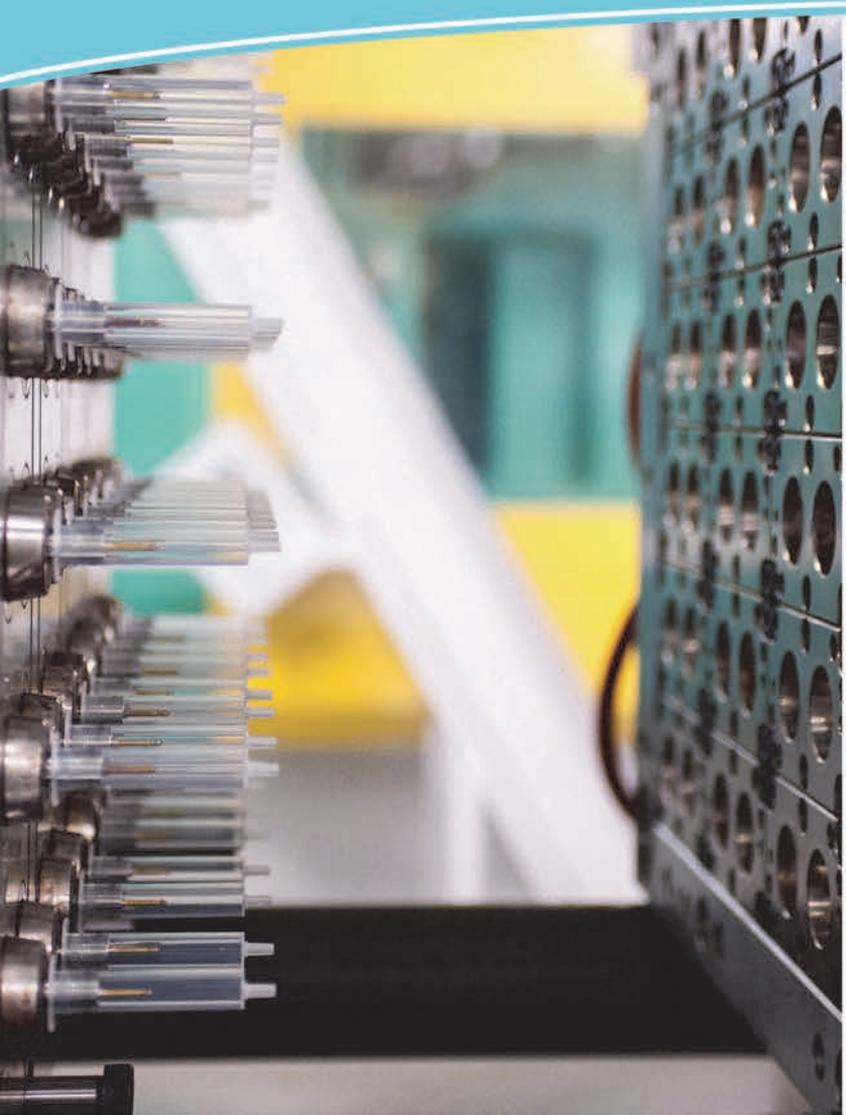




Medical devices



CTI group is a Constellation of 3 European manufacturers of world-class quality products for the global healthcare sector. It multiplies the strength of CHIRANA T. Injecta, VITREX, and CHIRMAX companies on the world market.

CTI group is Comitted To Inovation and reflects this status to daily team work and serving to customers.

CHIRANA T. Injecta, a.s. as a world producer of first-class medical products and services carries on the tradition of the medical devices production in Stará Turá. The manufacture beginnings go back to 1947 when production of glass syringes was launched. Thanks to the dynamic production programme and continuous development of new products the company has started to manufacture disposable plastic syringes in 1970 followed by disposable needles in 1975. One of the most important company's achievement is dated in 1991 when the production of lancets has been established. Present product range is focused primarily in the field of hypodermic syringes, needles, canulas, lancets and other medical products. The company is accredited with CE mark in compliance with the EU Directives: 93/42/EEC and ISO 13485:2003 certification for the products, sterilization and services.

At present, CHIRANA T. Injecta, a.s. offers products on global healcare market and provides values for life for patients as well as doctors and nursing staff.

We Supply Values for Life.



Chirana®

MEDOJECT®



CHIRMAX



CHIRANA 2-part disposable syringes

According to EN, ISO standards | Quality management certified according to EN ISO 13485:2012 | CE marked

- ergonomic design, smooth flow, highly transparent barrel, tight
- black extended graduation, easy to read, double stop lines, guaranteed 0ml position
- designed tip for best connection, double stop lines, scratch-free for glove manipulation
- available with Luer or Luer lock tip
- made of polypropylene/polyethylene, rubber-free
- pyrogen-free, latex-free, DEHP-free, PVC-free, non-toxic
- sterile, individually blister packed

Size	Pieces per Box	Pieces per Case	Item Code LUER	Item Code LUER LOCK
2ml LOW DEAD SPACE	100	2800	CH002LDS	CH002LLDS
2ml	100	2800	CH002L	CH002LL
5ml	100	1900	CH005L	CH005LL
10ml	100	1200	CH010L	CH010LL
20ml	80	960	CH020L	CH020LL



CHIRANA 2-part disposable syringes with needles

Size	Pieces per Box	Pieces per Case	Item Code LUER
2ml with needle 0,60 x 25 mm (23 G x 1")	100	2800	CH002L0625
5ml with needle 0,70 x 30 mm (22 G x 1 1/4")	100	1900	CH005L0730
10ml with needle 0,80 x 40 mm (21 G x 1 1/2")	100	1200	CH010L0840
20ml with needle 0,80 x 40 mm (21 G x 1 1/2")	80	960	CH020L0840

- syringe with needle available in other needle combinations
- needle is side-packed in single blister package



CHIRANA 3-part disposable syringes

According to EN, ISO standards | Quality management certified according to EN ISO 13485:2012 | CE marked

- ergonomic design, smooth flow, highly transparent barrel, tight
- black extended graduation, easy to read
- designed tip for best connection, scratch-free for glove manipulation
- available with Luer, Luer lock and Catheter tip
- made of polypropylene, polyethylene and lubricated synthetic rubber
- pyrogen-free, latex-free, DEHP-free, PVC-free, non-toxic
- sterile, individually blister packed

Size	Pieces per Box	Pieces per Case	Item Code LUER	Item Code LUER LOCK
1ml	100	2000	CH03001L	CH03001LL
2ml	100	3000	CH03002L	CH03002LL
3ml	100	3000	CH03003L	CH03003LL
5ml	100	2400	CH03005L	CH03005LL
10ml	100	1600	CH03010L	CH03010LL
20ml	50	800	CH03020L	CH03020LL

- no dead space volume for 1ml
- centrally positioned Luer lock tip





CHIRANA 3-part disposable syringes special

Size	Pieces per Box	Pieces per Case	Item Code
30ml Luer	40	640	CH03030L
30ml Luer lock	50	400	CH03030LL
50ml Luer	50	450	CH03050L
50ml Luer lock	16	240	CH03050LL
50ml Perfusion Transparent	50	300	CH03050PT
50ml Perfusion Transparent with needle 2,00 x 30 mm	50	300	CH030502030PT
50ml Perfusion Opaque	50	300	CH03050PO
50ml Catheter	16	240	CH03050C
50ml Catheter with Luer adapter	50	450	CH03050CLA
100ml Catheter with Luer adapter	25	200	CH03100C

- high volume sizes for wide range of application
- perfusion type dedicated for use with infusion pumps
- luer lock type available for use with infusion pumps
- opaque material available for perfusion type
- catheter type available with Luer adapter for wider application range

CHIRANA 3-part disposable syringes with needles

Size	Pieces per Box	Pieces per Case	Item Code LUER
2ml with needle 0,60 x 25 mm (23 G x 1")	100	3000	CH03002L0625
5ml with needle 0,70 x 35 mm (22 G x 1 2/5")	100	2400	CH03005L0735
10ml with needle 0,80 x 40 mm (21 G x 1 1/2")	100	1600	CH03010L0840
20ml with needle 0,80 x 40 mm (21 G x 1 1/2")	50	800	CH03020L0840
50ml Luer with needle 1,20 x 40 (18 G x 1 1/2")	50	300	CH03050L0840

- syringe with needle available in other needle combinations
- needle is side-packed in single blister package



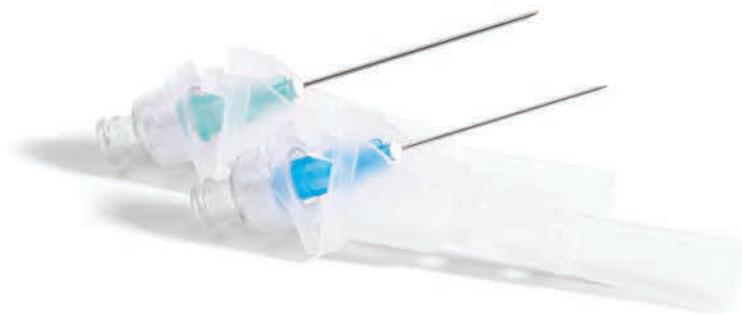
MEDOJECT Hypodermic needles

According to EN, ISO standards | Quality management certified according to EN ISO 13485:2012 | CE marked

- precision lancet point grinding, silicone treated for smooth penetration
- color coded transparent hub for flow visual control
- included all metric and gauge measurements on all packages
- mainly thin wall tube material
- made of polypropylene hub and stainless steel tube
- pyrogen-free, latex-free, DEHP-free, PVC-free, non-toxic
- 100 pcs per box, 4000 pcs per case
- sterile, individually blister packed

Size metric	Size G/"	Color code	Item Code	Size metric	Size G/"	Color code	Item Code
0,30 x 12 mm	30 G x 1/2"	light yellow	CH30012	0,80 x 25 mm	21 G x 1"	green	CH21100
0,40 x 12 mm	27 G x 1/2"	grey	CH27012	0,80 x 30 mm	21 G x 1 1/4"	green	CH21114
0,40 x 20 mm	27 G x 4/5"	grey	CH27045	0,80 x 40 mm	21 G x 1 1/2"	green	CH21112
0,40 x 40 mm	27 G x 1 1/2"	grey	CH27112	0,80 x 50 mm	21 G x 2"	green	CH21200
0,45 x 12 mm	26 G x 1/2"	brown	CH26012	0,90 x 25 mm	20 G x 1"	yellow	CH20100
0,45 x 16 mm	26 G x 5/8"	brown	CH26058	0,90 x 30 mm	20 G x 1 1/4"	yellow	CH20114
0,45 x 25 mm	26 G x 1"	brown	CH26100	0,90 x 40 mm	20 G x 1 1/2"	yellow	CH20112
0,50 x 16 mm	25 G x 5/8"	orange	CH25058	0,90 x 50 mm	20 G x 2"	yellow	CH20200
0,50 x 20 mm	25 G x 4/5"	orange	CH25045	0,90 x 70 mm	20 G x 2 4/5"	yellow	CH20245
0,50 x 25 mm	25 G x 1"	orange	CH25100	1,10 x 25 mm	19 G x 1"	ivory	CH19100
0,55 x 25 mm	24 G x 1"	purple	CH24100	1,10 x 40 mm	19 G x 1 1/2"	ivory	CH19112
0,55 x 38 mm	24 G x 1 1/2"	purple	CH24112	1,10 x 50 mm	19 G x 2"	ivory	CH19200
0,60 x 16 mm	23 G x 5/8"	blue	CH23058	1,20 x 25 mm	18 G x 1"	pink	CH18100
0,60 x 25 mm	23 G x 1"	blue	CH23100	1,20 x 40 mm	18 G x 1 1/2"	pink	CH18112
0,60 x 30 mm	23 G x 1 1/4"	blue	CH23114	1,20 x 50 mm	18 G x 2"	pink	CH18200
0,60 x 40 mm	23 G x 1 1/2"	blue	CH23112	1,20 x 70 mm	18 G x 2 4/5"	pink	CH18245
0,60 x 60 mm	23 G x 2 1/4"	blue	CH23214	1,50 x 50 mm	17 G x 2"	red purple	CH17200
0,70 x 25 mm	22 G x 1"	blue	CH22100	1,60 x 25 mm	16 G x 1"	white	CH16100
0,70 x 30 mm	22 G x 1 1/4"	black	CH22114	1,60 x 40 mm	16 G x 1 1/2"	white	CH16112
0,70 x 35 mm	22 G x 1 2/5"	black	CH22125	1,60 x 70 mm	16 G x 2 4/5"	white	CH16245
0,70 x 40 mm	22 G x 1 1/2"	black	CH22112	1,80 x 40 mm	15 G x 1 1/2"	blue grey	CH15112
0,70 x 50 mm	22 G x 2"	black	CH22200	1,80 x 70 mm	15 G x 2 4/5"	blue grey	CH15245
0,80 x 16 mm	21 G x 5/8"	green	CH21058	2,00 x 70 mm	14 G x 2 4/5"	pale green	CH14245

- intended for intramuscular, subcutaneous, intravenous and intra-arterial application
- possibility of short bevel lancet point grinding



MEDOJECT SAFETY Hypodermic needles

Size metric	Size G/"	Color code	Item Code	Size metric	Size G/"	Color code	Item Code
0,60 x 30 mm	23 G x 1 1/4"	blue	CHS23114	0,80 x 40 mm	21 G x 1 1/2"	green	CHS21112
0,70 x 40 mm	22 G x 1 1/2"	black	CHS22112	0,90 x 40 mm	20 G x 1 1/2"	yellow	CHS20112

- integrated safety feature for one-handed manipulation

MEDOJECT Special needles

Size metric	Size G/"	Color code	Item Code	Size metric	Size G/"	Color code	Item Code
0,80 x 100 mm	21 G x 4"	green	CH21400	2,00 x 120 mm	14 G x 4 3/4"	pale green	CH14434
1,20 x 100 mm	18 G x 4"	pink	CH18400	1,20 x 40mm BLUNT FILL	18 G x 1 1/2"	pink	CH18112BF
2,00 x 100 mm	14 G x 4"	pale green	CH14400	1,20 x 40mm BLUNT FILL w/FILTER	18 G x 1 1/2"	pink	CH18112F

- intended for wide special application range



INOX Ophthalmic needles

Size metric	Size G/"	Color code	Item Code STRAIGHT	Item Code BEND
0,40 x 20 mm	27 G x 4/5"	grey	CHOP27045S	CHOP27045B
0,60 x 20 mm	23 G x 4/5"	blue	CHOP23045S	CHOP23045B

- blunt end for ophthalmic application
- scratch-free blunt end edges for comfort use



CHIRANA Insulin and Tuberculin syringes

According to EN, ISO standards | Quality management certified according to EN ISO 13485:2012 | CE marked

- needle permanently fixed to syringe body, length of 12mm (1/2")
- no dead space volume, Insulin and Tuberculin graduation
- precision lancet point grinding, silicone treated tip for smooth penetration
- sterile, individually blister packed

Size	Pieces per Box	Pieces per Case	Item Code	Size	Pieces per Box	Pieces per Case	Item Code
1ml Insulin U100 Luer	100	2000	CHINS01	1ml Insulin U40 fixed needle 29G	100	2000	CHINS4129
1ml Insulin U100 fixed needle 27G	100	2000	CHINS0127	0,5ml Insulin U100 fixed needle 29G	100	2000	CHINS00529
1ml Insulin U100 fixed needle 29G	100	2000	CHINS0129	1ml Tuberculin Luer	100	2000	CHTUB01
1ml Insulin U100 fixed needle 30G	100	2000	CHINS0130	1ml Tuberculin fixed needle 29G	100	2000	CHTUB0129

Lancing system

- intended for capillary blood sampling
- ergonomic design
- reduced pain
- precision lancet point grinding
- possibility of required amount of blood sample
- lancet device with 5 adjustable levels
- compatible with most market lancet designs



Size	Drop size (µl)	Color Code	Pieces per Box	Pieces per Case	Item Code
Safety lancet 18G blade	1,80 mm	green	100	1200	393213
Safety lancet 26G	1,80 mm	yellow	100	1200	394213
Safety lancet 21G	2,20 mm	orange	100	1200	395213
Safety lancet 21G	2,80 mm	pink	100	1200	396213
Safety lancet 21G	1,80 mm	blue	100	1200	397213
Safety lancet 28G	1,80 mm	purple	100	1200	398213
General lancet 23G		light blue	200	20000	351213
General lancet 28G		red	200	20000	352213
General lancet 30G		green	200	20000	354213
General lancet 32G		dark blue	200	20000	357213
Lancing device for General lancet		ivory	1	500	369300



CHIRAFLEX IV Cannulas | CHIRAFLEX SAFETY IV Cannulas

According to EN, ISO standards | Quality management certified according to EN ISO 13485:2012 | CE marked

- intended for peripheral vascular application
- compatible with all standard medical devices for wide application
- catheter made from Teflon material, available in SAFETY version
- 50 pcs per box, 1000 pcs per case

Size G	Diameter (mm)	Length (mm)	Flowrate (ml/min)	Color code	Item Code WITH PORT WITH WINGS	Item Code WITHOUT PORT WITH WINGS	Item Code WITHOUT PORT WITHOUT WINGS	Item Code SAFETY WITH PORT WITH WINGS	Item Code SAFETY WITHOUT PORT WITH WINGS	Item Code SAFETY WITHOUT PORT WITHOUT WINGS
26	0,6	19	15	purple	CHFX01026	CHFX02026	CHFX03026	CHFXS01026	CHFXS02026	CHFXS03026
24	0,7	19	20	yellow	CHFX01024	CHFX02024	CHFX03024	CHFXS01024	CHFXS02024	CHFXS03024
22	0,9	25	36	blue	CHFX01022	CHFX02022	CHFX03022	CHFXS01022	CHFXS02022	CHFXS03022
20	1,1	32	54	pink	CHFX01020	CHFX02020	CHFX03020	CHFXS01020	CHFXS02020	CHFXS03020
18	1,3	45	80	green	CHFX01018	CHFX02018	CHFX03018	CHFXS01018	CHFXS02018	CHFXS03018
17	1,5	45	125	white	CHFX01017	CHFX02017	CHFX03017	CHFXS01017	CHFXS02017	CHFXS03017
16	1,7	45	180	grey	CHFX01016	CHFX02016	CHFX03016	CHFXS01016	CHFXS02016	CHFXS03016
14	2,1	45	270	orange	CHFX01014	CHFX02014	CHFX03014	CHFXS01014	CHFXS02014	CHFXS03014

CHIRAFLEX Stylets

- intended for longer interruptions in infusion
- screw onto needle adapter

Size G	Color Code	Pieces per Box	Pieces per Case	Item Code	Size G	Color Code	Pieces per Box	Pieces per Case	Item Code
22	blue	50	1000	CHFX20022	17	white	50	1000	CHFX20017
20	pink	50	1000	CHFX20020	16	grey	50	1000	CHFX20016
18	green	50	1000	CHFX20018	14	orange	50	1000	CHFX20014

CHIRAFLEX Scalp vein sets

- intended for shorter time infusion or pediatric use
- stainless steel needle with length of 20mm (4/5"), 30cm plastic tubing

Size G	Diameter (mm)	Color code	Item Code	Size G	Diameter (mm)	Color code	Item Code
27	0,4	grey	CH260001127	21	0,8	green	CH260001121
25	0,5	orange	CH260001125	20	0,9	yellow	CH260001120
23	0,6	blue	CH260001123	19	1,1	ivory	CH260001119
22	0,7	black	CH260001122	18	1,2	pink	CH260001118



CHIRAPLUS Infusion set | CHIRAHEM Transfusion set

According to EN, ISO standards | Quality management certified according to EN ISO 13485:2012 | CE marked

- all sets includes 15 µm filter, ventilation port and luer lock adapter
- CHIRAPLUS P intended for pressure infusion, does not include flash ball
- CHIRAPLUS G intended for gravity infusion, includes flash ball

Item	Chamber Volume (ml)	Pack. type	Pieces per Case	Item Code	Item	Chamber Volume (ml)	Pack. type	Pieces per Case	Item Code
CHIRAPLUS P	10,5	blister	100	CH25030036	CHIRAPLUS G 12 DEHP free	12,0	blister	100	CH25050001
CHIRAPLUS P DEHP free	10,5	blister	100	CH25050036	CHIRAPLUS G	8,5	poly bag	500	CH25030018
CHIRAPLUS P 12	12,0	blister	100	CH25030006	CHIRAPLUS G DEHP free	8,5	poly bag	500	CH25050018
CHIRAPLUS P 12 DEHP free	12,0	blister	100	CH25050006	CHIRAPLUS G with needle	8,5	poly bag	500	CH25030019
CHIRAPLUS P 190	10,5	blister	100	CH25030039	CHIRAPLUS G with metal spike	8,5	poly bag	500	CH25030016
CHIRAPLUS P 190 SAFETY	10,5	blister	100	CH25030038	CHIRAHEM	17,0	blister	100	CH25030014WL
CHIRAPLUS G	10,5	blister	100	CH25030031	CHIRAHEM DEHP Free	17,0	blister	100	CH25050014WL
CHIRAPLUS G	10,5	poly bag	500	CH25030017	CHIRAHEM	17,0	poly bag	300	CH25030020
CHIRAPLUS G DEHP free	10,5	blister	100	CH25050031	CHIRAHEM with needle	17,0	poly bag	300	CH25030021
CHIRAPLUS G 12	12,0	blister	100	CH25030001	CHIRAHEM with metal spike	17,0	poly bag	300	CH25030022

CHIRAPLUS Spikes | CHIRAPLUS Injection ports | CHIRAPLUS Stoppers

- intended for range of application in IV administration

Item	Pieces per Box	Pieces per Case	Item Code	Item	Pieces per Box	Pieces per Case	Item Code
CHIRAPLUS Infusion spike RED	25	400	CHIS01	CHIRAPLUS Combistopper RED	100	5000	CHCS01
CHIRAPLUS Infusion spike BLUE	25	400	CHIS02	CHIRAPLUS Combistopper BLUE	100	5000	CHCS02
CHIRAPLUS Infusion spike GREEN	25	400	CHIS03	CHIRAPLUS Combistopper WHITE	100	5000	CHCS03
CHIRAPLUS Transflo spike	100	1000	CHTS01	CHIRAPLUS Stopper	100	5000	CHLL01
CHIRAPLUS Needle free injection port	100	2400	CHNF01	CHIRAPLUS Injection port	100	5000	CHIP01

CHIRALINE Extension lines | CHIRAWAY 3-way stopcock

- intended for extension of infusion or transfusion range of application

Item	Pieces per Box	Pieces per Case	Item Code	Item	Pieces per Box	Pieces per Case	Item Code
CHIRALINE 450	120	960	CHF25040008	CHIRAWAY Standard	100	2000	CHW001
CHIRALINE 1800	85	680	CHF25040020	CHIRAWAY Lipid resistant	100	2000	CHW002



CHIRASKIN Gloves

According to EN, ISO standards | Quality management certified according to EN ISO 13485:2012 | CE marked

- non-sterile, intended for examination
- high elasticity, high strength, excellent grip sensitivity
- safe protection, good touch sense

Size	Pieces per Box	Pieces per Carton	Item Code LATEX POWDERED PREMIUM	Item Code LATEX POWDERED	Item Code LATEX POWDER FREE	Item Code NITRIL	Item Code VINYL
Gloves Small	100	1000	CHL02S	CHL01S	CHLF01S	CHNF01S	CHVF01S
Gloves Medium	100	1000	CHL02M	CHL01M	CHLF01M	CHNF01M	CHVF01M
Gloves Large	100	1000	CHL02L	CHL01L	CHLF01L	CHNF01L	CHVF01L

Examination products

- intended for variety of application range
- support for safe and clean healthcare

Item	Description	Pieces per Box	Pieces per Carton	Item Code
Face mask TIE ON	3-ply, non-woven	50	1000	CHFM01
Face mask EAR LOOP	3-ply, non-woven	50	1000	CHFM02
Bouffant cap 21"	non-woven	100	1000	CHC01
Bouffant cap 24"	non-woven	100	1000	CHC02
Shoecovers	CPE, blue	100	2000	CHSC01
Bedcover	CPE, blue	10	100	CHBC01





CHIRANA T. Injecta, a.s.
Nám. Dr. Schweitzera 194 | 916 01 Stará Turá | Slovak Republic
www.t-injecta.com