IMPLANT DIRECT™

Grafting | Membranes | Sutures

BIOMATERIALS

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INDEX

Availability
Not all products listed in this catalog are available in all countries.
Please contact Implant Direct or your local dealer for more information on product availability.

GRAFTING

Allograft
DirectGen™
DirectGen™ PUTTY
DirectGen™ FLEX
DirectGen™ DERM

Xenograft
DirectOss™

Synthetic
BioResorb® Macro Pore

DirectGen™

BONE GRAFTING-ALLOGRAFT

- DirectGen™ is an allograft ideally suited for optimal results in a variety of surgical applications.
- The donor screening has robust quality systems built into every stage of allograft production starting with screening and eligibility determination. Quality standards are established to meet or exceed the regulations and guidelines of the FDA, the AATB, and individual state health departments.
- Sterile allograft are subjected to low-dose, gamma irradiation validated to Sterility Assurance Level (SAL) of 10^{-6}.

Allograft: DirectGen™ Mineralized Cortical	Item#
(250-1000µm) - 0.5cc	DCOR251005
(250-1000µm) - 1.0cc	DCOR251010
(250-1000µm) - 2.0cc	DCOR251020
(1000-2000µm) - 0.5cc	DCOR102005
(1000-2000µm) - 1.0cc	DCOR102010
(1000-2000µm) - 2.0cc	DCOR102020

Allograft: DirectGen™ Mineralized Cancellous	Item#
(250-1000µm) - 0.5cc	DCAN251005
(250-1000µm) - 1.0cc	DCAN251010
(250-1000µm) - 2.0cc	DCAN251020
(1000-2000µm) - 0.5cc	DCAN102005
(1000-2000µm) - 1.0cc	DCAN102010
(1000-2000µm) - 2.0cc	DCAN102020

Allograft: DirectGen™ Mineralized Cortical/Cancellous blend	Item#
(250-1000µm) - 0.5cc	DBLN251005
(250-1000µm) - 1.0cc	DBLN251010
(250-1000µm) - 2.0cc	DBLN251020

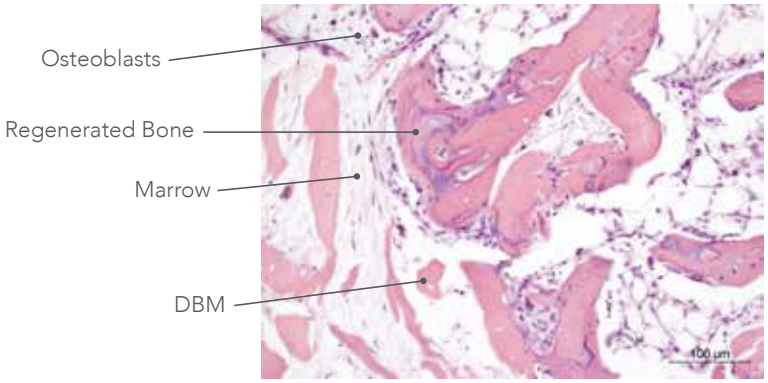
Allograft: DirectGen™ Demineralized Cortical	Item#
(125-850µm) - 0.5cc	DDCOR128505
(125-850µm) - 1.0cc	DDCOR128510
(125-850µm) - 2.0cc	DDCOR128520

Allograft: DirectGen™ Mineralized/Demineralized Cortical Combo	Item#
(125-1000µm) - 0.5cc	DCMB121005
(125-1000µm) - 1.0cc	DCMB121010
(125-1000µm) - 2.0cc	DCMB121020

DirectGen™ Dental DBM Putty

SIMPLICITY EVOLVED

DirectGen™ Dental DBM Putty is comprised of 100% demineralized bone, maximizing allograft content and eliminating the need for extraneous carriers, fillers, or binding agents. The graft offers best in class handling and optimal regenerative capacity through a proprietary combination of demineralized cortical fibers and demineralized cortical particulate.



Histological evidence of bone formation

- Validated to produce a positive osteoinductive response[1]
- Maintains moldable, cohesive handling characteristics to fill irregular defects and provide lavage resistance
- Engineered for enhanced regenerative capacity compared to particulate DBM[2]
- Sterility Assurance Level of 10^{-6} through low dose, low temperature gamma irradiation[3]
- Ready to use directly out of packaging with no need for graft preparation or hydration
- Proven regenerative capacity by exhibiting all five elements of new bone formation in a validated animal model[4]

SIZE	SKU
0.5cc	DGP050
1.0cc	DGP100
2.5cc	DGP250

[1] Data on file, DCI Donor Services Tissue Bank. [2] Martin GJ, et. Al. Spine, 1999, 24, 637-645 3. Data on file, DCI Donor Services Tissue Bank [4] Data on file, DCI Donor Services Tissue Bank
DCI Donor Services Tissue Bank is registered with the FDA, certified by the AATB and licensed with the states of California, Delaware, Florida, Illinois, Maryland, New York and Oregon.

DirectGen™ Flex

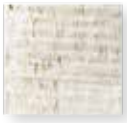
BONE GRAFTING-FLEX

Validated BioRinse™ sterilization process uses proprietary rinsing agents in multiple combinations designed to kill pathogenic microorganisms, vegetative bacteria and spores. These steps include the removal of debris, blood, bone marrow, and lipids. The BioRinse™ process is a technologically advanced science developed by CellRight Technologies® ensures a medical device sterility assurance level.

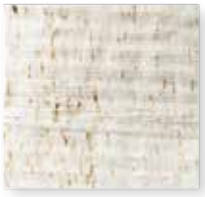
Indications for Use: repair of 3 wall-defects, repair of access windows, ridge augmentation, extraction socket with partial buccal wall. Avalable sizes: 10x10mm, 10x17mm, 15x15mm.

- 100% allograft bone
- Osteoconductive
- Osteoinductive verified, every lot, post-sterilization
- 5-year shelf life
- Sterility assurance level (SAL) of 10^{-6}

SIZE	SKU
10 x 10mm	DFLX1010
10 x 17mm	DFLX1017



10mm x 10mm
DFLX1010 (1/box)



10mm x 17mm
DFLX1017 (1/box)

DirectGen™ Derm

- DirectGen™ Derm is designed for the replacement and reinforcement of soft tissue defects.
- DirectGen™ Derm is a revolutionary acellular human dermal membrane that does not require graft orientation.
- The membrane allows for graft placement using either dermal side.
- The dermis membrane has demonstrated the ability to support host cell migration to the surrounding tissues.

AVAILABLE IN MULTIPLE THICKNESS AND SIZE OPTIONS:

Thin (0.5-1.0mm)	Size
DD101005	10x10mm
DD102005	10x20mm
DD104005	10x40mm
DD204005	20x40mm

Thick (1.0-1.5mm)	Size
DD101010	10x10mm
DD102010	10x20mm
DD104010	10x40mm
DD204010	20x40mm

Pre-op | DirectGen DERM trimmed for site | Insertion of DirectGen DERM | Site sutured | 4 week post-op

Case courtesy of Avi Schetritt, DMD

DirectOss™

BONE GRAFTING - XENOGRAFT

DirectOss™ is a highly purified osteoconductive material that is produced from natural bone through a multi-step purification process. Its natural origin makes DirectOss™ chemically and structurally comparable to mineralized human bone (nanocrystalline natural apatite).

DirectOss™ is a natural hydroxyapatite bone grafting material derived from Australia bovine bone (BSE free).

- Anorganic Bovine Bone Substitute
- Bovine Origin
- Safe
- Biocompatible
- Highly Purified
- Large Inner Surface Area
- Long-Term Stability
- Multi-Porosity

Granule Size	Weight	Packaging	Reference #
0.25-1.0mm	0.25g	Vial	DXCA251025
0.25-1.0mm	0.50g	Vial	DXCA251005
0.25-1.0mm	1.0g	Vial	DXCA251010
0.25-1.0mm	2.0g	Vial	DXCA251020
0.25-1.0mm	0.25cc (≈0.125g)	Syringe	DXCA251025S
0.25-1.0mm	0.5cc (≈0.25g)	Syringe	DXCA251005S
0.25-1.0mm	1.0cc (≈0.5g)	Syringe	DXCA251010S

βioResorb® Macro Pore

β-TRI-CALCIUM PHOSPHATE BONE REGENERATION MATERIAL WITH ADVANCED POROSITY

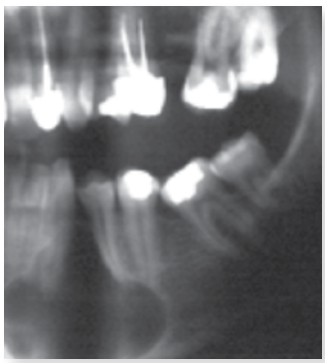
Bioresorbable bone replacement from microporous and macroporous β-tricalcium phosphate (TCP).

BioResorb® Macro Pore consists of pure-phase β-TCP and since it is a synthetic material it is completely safe for the patient.

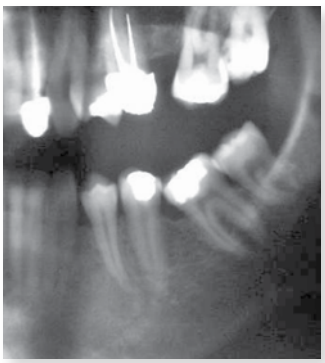
BioResorb® has an interconnected pore system with micropores and macropores that reproduce the well-known osteoconductive effect almost perfectly.

The high overall porosity (> 60 %) means that the body has to break down a far smaller quantity of bone replacement material, based on the volume of the defect. This accelerates the resorption process and also creates new opportunities to fill large bone defects.

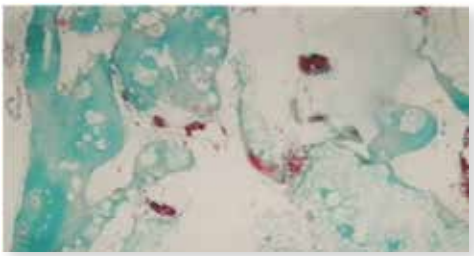
βioResorb Macro Pore Single pack (1 vial/1 box)		Item#
200-500µm	0.5ml	19002105
500-1000µm	0.5ml	19005105
500-1000µm	1.0ml	19005110
500-1000µm	2.0ml	19005120
1400-3200µm	1.0ml	19014110



Odontogenic keratocyst



6 months after cyst removal and placement of βioResorb® Macro Pore. Complete restitution of bone structure.



Histology at 7 months – improved bone regeneration with a high activity of osteoblasts, homogenous cortical structures and no signs of inflammation.

MEMBRANES

Resorbable
Kontour™ Adapt
Kontour™ Sustain
CYTOPLAST® RTM

Non-Resorbable
CYTOPLAST® TXT and TI250

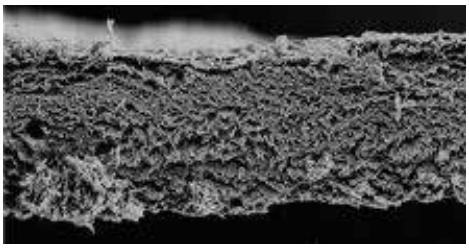
Kontour™ Adapt

RESORBABLE COLLAGEN MEMBRANE

Kontour™ Adapt regenerative collagen dental membrane is a strong, conformable collagen barrier membrane manufactured from purified porcine peritoneum tissue. It is intended for use in oral surgical procedures as a resorbable membrane material for guided bone regeneration procedures, augmentation around implants placed in immediate extraction or delayed extraction sockets, alveolar ridge reconstruction, filling of infrabony periodontal defects and defects after root resection, and guided tissue regeneration procedures in periodontal defects.

PRODUCT FEATURES

- Resorbable in 3-4 months
- Highly purified intact collagen
- Highly biocompatible
- High mechanical strength
- Soft and very drapable, yet repositionable for precise adjustment and placement



Ordering Number	Description
KRMA1520	15x20mm membrane (1/box)
KRMA2030	20x30mm membrane (1/box)
KRMA3040	30x40mm membrane (1/box)

[1]A Comparative Study of a New Porcine Collagen Membrane to Bio-Gide® Shu-Tung Li, Ph.D., Debbie Yuen, Drew Martin, Natsuyo Shishido Lee

Kontour™ Sustain

RESORBABLE COLLAGEN MEMBRANE

Kontour™ Sustain Resorbable Collagen Membrane is a white, nonfriable, conformable membrane matrix engineered from highly purified type I collagen derived from porcine tendon. It is indicated for use in oral surgical procedures as a resorbable material for placement in the area of the dental implant, bone defect or ridge reconstruction to aid in wound healing.

Kontour™ Sustain was developed with the thickness, density, permeability, mechanical strength, and in vivo stability that are properly balanced so that its handling characteristics are suitable for guided tissue and bone regeneration applications where the membrane can conform to the surfaces of mild irregularities. It is engineered to have a quicker resorption time of about 4-6 months. The semi-permeable membrane allows for nutrient exchange while providing a cell barrier to prevent epithelial down growth. It is flexible and conforms to the contours of the defect site.

PRODUCT FEATURES

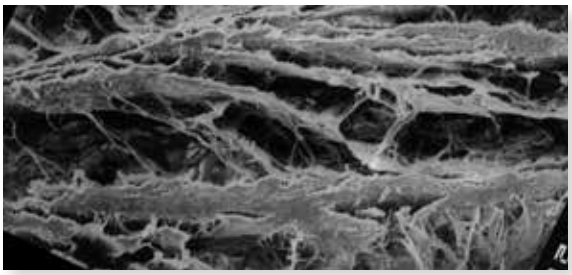
- Resorbable in 4-6 months
- Highly purified collagen
- Highly biocompatible
- Conformable and repositionable
- Softer surface texture

Ordering Number	Description
KRM1520	15x20mm membrane (1/box)
KRM2030	20x30mm membrane (1/box)
KRM3040	30x40mm membrane (1/box)

CYTOPLAST® RTM

RESORBABLE COLLAGEN MEMBRANE

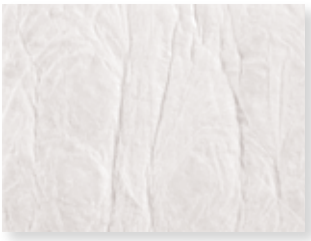
- Manufactured from highly purified type 1 bovine Achilles tendon collagen
  Safe for the patient
- 26 – 38 week resorption time
  Long predictable resorption time limits the risk of particle loss due to premature resorption
- High tensile strength
  You can suture or tack the membrane in place without tearing
- Cell occlusive
  Prevents epithelial down growth
- Optimized flexibility
  Stiff enough for easy placement, yet easily drapes over ridge



Ordering Number	Description
RTM1520	15x20mm
RTM2030	20x30mm
RTM3040	30x40mm

15mm x 20mm
(2/box)

20mm x 30mm
(2/box)

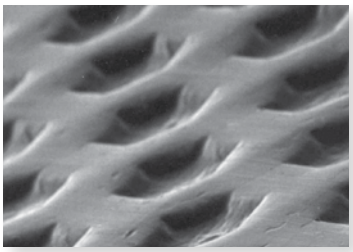


30mm x 40mm
(2/box)

CYTOPLAST® TXT

NON-RESORBABLE AND NON-RESORBABLE TITANIUM REINFORCED MEMBRANES

- Non-resorbable - High-Density PTFE Membrane
- Ideal dental membrane for socket grafting and grafting where primary closure is not possible
- Porosity of less than 0.3 microns creates impervious barrier to bacteria*
- Designed to withstand exposure[1, 2, 3]
- Use in an open technique results in preservation of soft tissue architecture, preservation of keratinized tissue width[4]
- Non-surgical removal when left exposed



CYTOPLAST® TXT-200 high-density PTFE guided tissue regeneration membrane was designed specifically for extraction site grafting and augmentation procedures where exposure to the oral cavity is common. The microtextured surface increases the surface area for improved soft tissue attachment compared to smooth, dense PTFE, yet remains resistant to bacterial invasion due to the nanoscale porosity. The result of this unique approach to membrane design is that the membrane can be left exposed in the mouth without complications.

CYTOPLAST® TXT

CYTOPLAST® TXT2530
25mm x 30mm
(4 membranes/box)

CYTOPLAST® TXT1224
12mm x 24mm
(10 membranes/box)

*Data on file

1. Barboza EP, Stutz B, Ferreira VF, Carvalho W. Guided bone regeneration using nonexpanded polytetrafluoroethylene membranes in preparation for dental implant placements - a report of 420 cases. Implant Dent. 2010;19:2-7.
2. Fotek PD, Neiva RF, Wang HL. Comparison of dermal matrix and polytetrafluoroethylene membrane for socket bone augmentation: a clinical and histologic study. J Periodontol 2009;80:776-785.
3. Hoffman O, Bartee BK, Beaumont C, Kasaj A, Deli G, Zafiropoulos GG. Alveolar bone preservation in extraction sockets using non-resorbable dPTFE membranes: A retrospective non-randomized study. J Periodontol 2008;79:1355-1369.
4. Barboza EP, Francisco BS, Ferreira VF. Soft tissue enhancement using non-expanded PTFE membranes without primary closure. Presented at the 2008 Research Forum Poster Session. Annual Meeting of the American Academy of Periodontology (AAP) in Seattle, WA, September 6-9, 2008.

CYTOPLAST® TI250

NON-RESORBABLE AND NON-RESORBABLE TITANIUM REINFORCED MEMBRANES

NON-RESORBABLE AND NON-RESORBABLE TITANIUM REINFORCED MEMBRANES

12mm x 24mm

CYTOPLAST® Ti250 Anterior Narrow
Ti250ANL-1 (1 membrane/box)

14mm x 24mm

CYTOPLAST® Ti250 Anterior Single
Ti250AS-1 (1 membrane/box)

25mm x 30mm

CYTOPLAST® Ti250 Posterior Large
Ti250PL-1 (1 membrane/box)

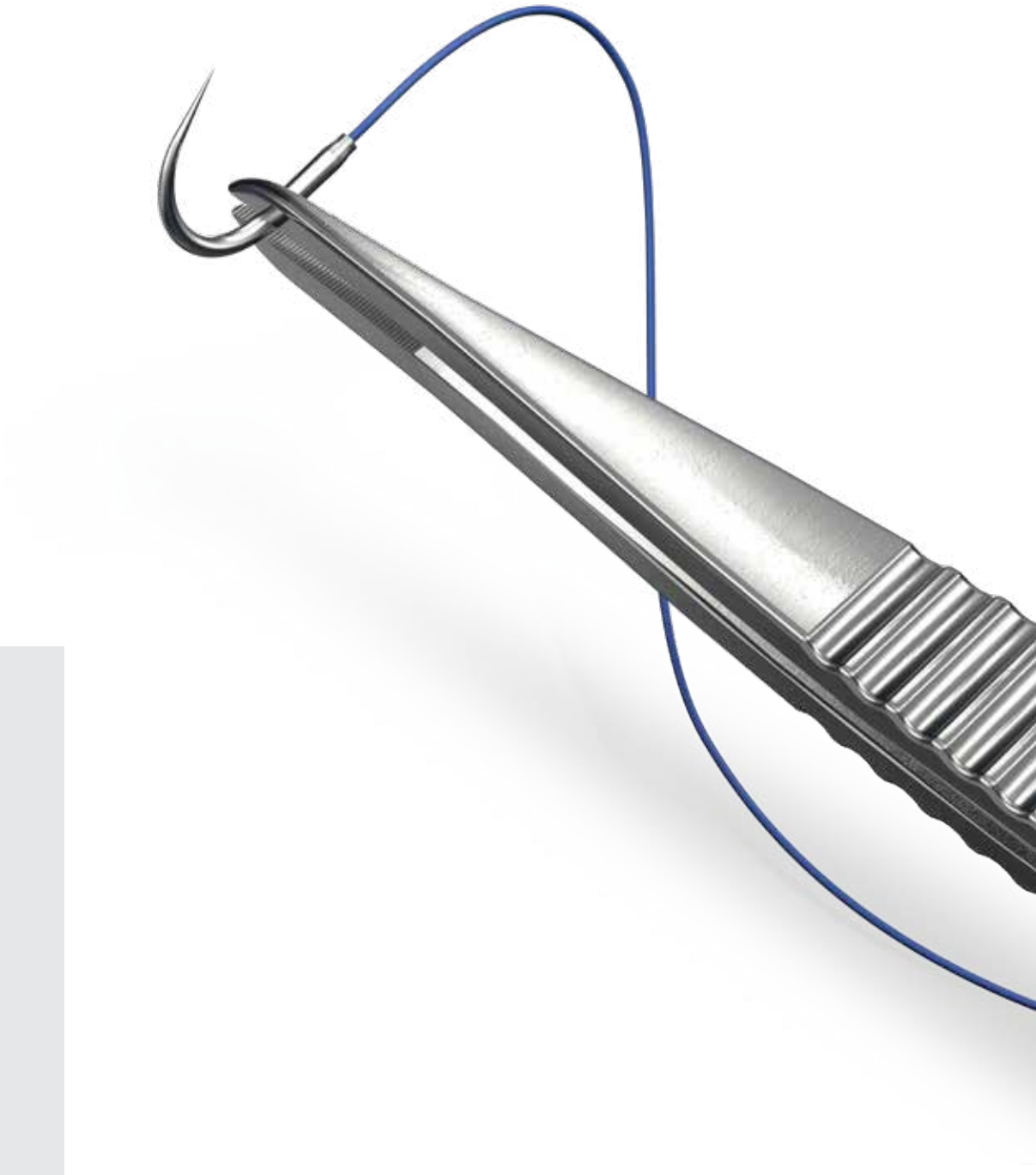
20mm x 25mm

CYTOPLAST® Ti250 Posterior Singles
Ti250PS-1 (1 membrane/box)

17mm x 25mm

CYTOPLAST® Ti250 Buccal
Ti250BL-1 (1 membrane/box)

SUTURES



Resorbable
Vilet™

Non-Resorbable
CYTOPLAST®

Vilet®

RESORBABLE SUTURES

Vilet® is a synthetic absorbable suture composed of a copolymer made from 90% glycolide and 10% L-lactide (PGLA). It is coated with calcium stearate and 30:70 poly(glycolide-co-L-lactide).

CHARACTERISTICS

- High tensile strength throughout the critical wound healing
- Excellent knot security and tie down
- Reliable absorption profile
- Meets or exceeds the USP & EP requirements
- Superb handling-Smooth Tissue Passage

Item#	Size	Length	Color	Needle Type	Needle Shape	QTY/Box
V393	3-0	18″	Violet	FS-2	3/8 Circle Reverse Cut 19mm	12
V393U	3-0	18″	Undyed	FS-2	3/8 Circle Reverse Cut 19mm	12
V392	3-0	18″	Violet	FS-2	3/8 Circle Reverse Cut 19mm	12
V392U	4-0	18″	Undyed	FS-2	3/8 Circle Reverse Cut 19mm	12
V386U	4-0	18″	Undyed	C-3	3/8 Circle Reverse Cut 13mm	12
V385U	5-0	18″	Undyed	C-3	3/8 Circle Reverse Cut 13mm	12

CYTOPLAST®

NON-RESORBABLE SUTURES

BENEFITS

- Non-resorbable PTFE monofilament suture
- Non-wicking monofilament construction
- Soft and comfortable for patients
- Excellent handling and knot security
- Little or no package memory
- Biologically inert

Item#	Size (USP)	Length	Color	Needle Type	Needle Shape	QTY/Box
CS-04	2-0	18″	Undyed	FS-2	3/8 Circle Reverse Cut 19mm	12
CS-05	3-0	18″	Undyed	FS-2[1]	3/8 Circle Reverse Cut 16,3mm	12
CS-051819	3-0	18″	Undyed	FS-2	3/8 Circle Reverse Cut 19mm	12
CS-06	4-0	18″	Undyed	FS-2[1]	3/8 Circle Reverse Cut 16,3mm	12
CS-06 PREM	4-0	18″	Undyed	P-3	3/8 Circle Reverse Cut 13mm	12
CS-06 PERIO	4-0	18″	Undyed	TP	1/2 Circle Reverse Cut 13mm	12

[1]Needle size smaller than typical FS-2 needle.

IMPLANT DIRECT™

Implant Direct provides a complete line of dental care products and services tailored to maximize clinical efficiency and patient care over the life of your practice. We offer high-quality dental implant products and a broad range of surgical, prosthetic and regenerative solutions in over 40 countries worldwide.

All our implants are manufactured in the United States. We continue to test and inspect our products to ensure they meet the highest quality and testing standards worldwide so you can practice in confidence.

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