

VITREORETINAL HIGHLIGHTS





- Vacuum & Flow + TDC Maximised surgeon control
- Enhanced LED light source and 27G fibres
 Optimised illumination for 27G surgery
- Redesigned footswitch with laser control Improved efficiency of use and comfort



Older LED module + 27G fibre



LED module + enhanced 27G fibre





TWO DIMENSIONAL CUTTING (TDC) UP TO 16,000 CPM*

Combining TDC with up to 16,000 CPM* and VacuFlow VTi fluidics defines a new standard for surgeon control Cut 2 Cut 1

- Continuous open aspiration port
- Constant aspiration flow, independent of cut rate.

^{*} The TDC cutter has a cut speed of up to 8,000 CPM and is designed to facilitate cutting tissue on the return of each stroke of the vitrectome, effectively doubling the cut speed.



No compromise small gauge surgery

NEW

Enhanced 27G light fibres

65% increase in brightness (compared to older 27G fibres)



NEW

Ultra Peel Forceps

One touch, gentle membrane peeling



NEW

Disposable Backflushes

Easier manipulation and maximized control



NEW

Extended Reach – Wide Grip Forceps

For precise grasping in the macular region



- Pharmaceutical grade materials
- Proprietary multi-step purification process
- Batch level purity testing

Focus on Purity

MEMBRANEBLUE-DUAL® and ILM-BLUE®

- · ILM-BLUE® for selective ILM staining.
- MEMBRANEBLUE-DUAL® for effective ILM and ERM staining.
- · High purification for patient safety.





EFTIAR Octane and Decalin in prefilled syringe

- Maximized purity
- 100% fluorinated
- Easy-to-use syringe format with flange extender for easy handling





Silicone Oil 1.000 csts, 2.000 csts and 5.000 csts in syringe

- Purified silicone oil
- Allows for a maximum interfacial tension
- Minimizes interactions between tissues, cells and endo-tamponades media







OcuGas SF6

- Single use 100% SF6 ready for mixing
- Non-pressurized gas container
- Exterior sterility for optimised ease of use (USP to OcuGas range)
- Flexibility to create gas-air combination according to Requirements of surgery.



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INSTRUMENTS

DISPOSABLE 20 GAUGE

TRANSCONJUNCTIVAL SYSTEM



Disposable Two step Vitrectomy System. (20 gauge / 0.9 mm) 1272.ED09

Box/5 | Sterile: Yes

Consisting of:

- 3 x Preloaded Blunt Insertor with Universal Cannula & Closure Valves
- 1 x Universal Infusion Line

Box/5, sterile

Consisting of:

Box/5, sterile

systemysteringlsleitfablerfgafrög åtidading villing villig villig stemstem.

Box/BdxS5efilsterie: Yes Box/BdxS5efilsterie: Yes

1279.IA20

Universal silicone infusion line for 20 gauge/0.9 mm cannula





/5 | Sterile: Yes

system.

12/9.1472013\20S 1279.1420S

1279.IA20S

Universal silicone infusion line for 20 gauge/0.9 /fice? connuctanoula

Box/Bdx&&etil&eteribe: Yes Box/5 | Sterile: Yes Universal silicone infusion line for 20 gauge/0.9 mm cannula



Suitable for irrigation incl. VFI/VFE.

Suitable for irrigation incl. VFI/VFE.

VIII RECEIVED NES



1267 NMD25

Yes

Disposable Pheumatic Vitrectome. (20 gauge / 0.9 mm) (working with 37 PSI, max 2500 cuts/min)

Box/Bdx&tefilatefee: Yes Box/1 | Sterile: Yes Disposable Pneumatic Vitrectome. (20 gauge / 0.9 mm)

(working with 37 PSI, max 2500 cuts/min)

Box/1 | Sterile: Yes

8267.VIT205

Colour coding

Disposible High-Speed illumination Vitrectome with 276 2267.1LD 2267.1LD

Chandelier Fiber. (20 gauge / 0.9 mm) (max. 2500

Disposable Highes plee High haran house 20 for State Debic **2267.**NID20

Chande Despoise ble 20 at a Speed Out of 120 at 120

Box of 6 | Euts / mine)s

Box/6 | Sterile: Yes



226 ZAZESZOLLODR.C. & Accur Disposition stiller Spige S pilent illustrain stitus distrect with AZIA 276

Chan **delicerdeliber** F(12) Or g(2) Ligg g of gle 9/roln 9) r(mm) x (r2) 5/20 (2) 500

cuts/cuts/min.)

Box/BoxSterilSteries: Yes

Vitrek/itmenetowitle. With hillharthiomafoor ndumination for indumination for andelier for the co Vitrectome Cambithe revuser consorea his vabination attick Vitregus removal in combination



husnithattitimatifon of umination of etalchetihaetina ed retina.

Manufacture of the National Control of the Control

MICROFORCEPS / MICROSCISSORS

1286.ED

Disposable Microscissors: Vertical.(20 gauge / 0.9 mm)

1286.EDding:

Disposable Microscissors: Vertical. (20 gauge 70.9 mm)

Box/5 | Sterile: Yes

1286.1

1286.J

05

MICROFORCEPS / MICROSCISSORS

1286.ED

1286 EDding: 1286.ED Colour coding: Disposable Microscissors: Vertical.(20 gauge / 0.9 mm)

Disposable Microscissors: Vertical.(20 gauge / 0.9 mm) Disposable Microscissors: Vertical. (20 gauge 70.9 mm)

Box/5 | Sterile: Yes

Box/5 | Sterile: Yes

1286.JD

1286 J Doding: 1286.JD Colour coding: Disposable Microscissors: Straight. (20 gauge / 0.9 mm)

Disposable Microscissors: Straight.(20, gauge / 0.9 mm) Disposable Microscissors: Straight. (20 gauge / 0.9 mm)

Box/5 | Sterile: Yes

Box/5 | Sterile: Yes





Vertical scissors with cutting action.

- Rounded lower inferior edge of scissors blade minimizes unintentional vertical scissors with cutting action.
- Reduces diswers interior edge affisaissors blade minimizes unintentional Rogagero en wef refine or edge of scissors blade minimizes unintentional engagement of retina.

1286.MD

1286.MD 1286.MD Colour coding: Disposable Microscissors: Curved, Horizontal. (20 gauge / 0.9 mm)

Box/5 | Sterile: Yes





Sharp tipped straight scissors.

- For cutting in the iris plane or cutting peripheral membranes.
 Sharp tipped straight scissors.
- Bhaquttingeid sheigistplainscop.cutting peripheral membranes. For cutting in the iris plane or cutting peripheral membranes.

1286.WD

1286.WD 1286.WD Disposable Microforceps: Eckardt End-gripping. (20 gauge / 0.9 mm)

Box/5 | Sterile: Yes









- Sharp tipped scissors with a horizontal curvature of 12 mm to follow the contour of the retina.
- For cutting in the plane parallel to the retina, cutting membranes adherent to the retinal surface and all purpose membrane cutting.
- Microforceps with 'nail-like' end-gripping platforms; for precise grasping and improved visualization of thin membranes in the macular region.
- The most preferred ILM forceps!
- Developed with Prof. M.D. Claus Eckardt.

1286,ILMD 1286.ILMD Colour coding:

1286 II MD



Disposable Microforceps: ILM.(20 gauge / 0.9 mm) Disposable Microforceps: ILM. (20 gauge / 0.9 mm) Disposable Microforceps: ILM. (20 gauge 7 0.9 mm)

Box/5 | Sterile: Yes Box/5 | Sterile: Yes



- Thin instrument tips for precise grasping and removal of the ILM.
- Improved visualization of thin membranes in macular region. Thin instrument tips for precise grasping and removal of the ILM.

thinsmembranes ind maculauregibe.ILM.

moranes in macular region.

1281.AD 1281.AD 1281.AD

Disposable Backflush instrument, with blunt needle and passive Disposable Backflush instrument, with blunt needle and passive Disposable Backflush instrument, with blunt needle and passive

aspiration. (20 gauge / 0.9 mm) aspiration. (20 gauge / 0.9 mm)

Box/5 | Sterile: Yes Box/5 | Sterile: Yes 1281.BD

1281.BD 1281.BD

Disposable Backflush instrument, with brush needle and passive Disposable Backflush instrument, with brush needle and passive Disposable Backflush instrument, with brush needle and passive aspiration. (20 gauge / 0.9 mm) aspiration. (20 gauge / 0.9 mm) Box/5 | Sterile: Yes

Box/5 | Sterile: Yes

With passive aspiration.







With passive aspiration. With passive aspiration.

1281:BTD 1281.BTD

Disposable Backflush instrument, with brush needle and active Disposable Backflush instrumespiretien Landingered of conditions

Box/5 | Sterile: Yes

aspiration. (20 graving & \$4.00.196 in/ma)





1<u>2</u>81.TBM 1281.TDM

Disposable Backflush instrument, with extended silicone tip and Disposable Backflush ingetiweenspiration: (20) dealy ilicano of the summer of the summ

active aspiration. (20 graving \$40.95 min)

Box/5 | Sterile: Yes





1281:DDM

1281.DDM

Beckflush sweeper with diamend dusted tip. (20 gauge / 0.9 Backflush sweeper with diamond dusted tip. (20 gauge / TAPA)

B8X/5 | Sterilemma

Box/5 | Sterile: Yes





- Biamond dusted silicone tipped instrument with backflush capability for atraumatic tissue 'sweeping' combined with passive aspiration.
- Espacially defective for use improventationing traction and machines for the contraction of the contractio and vetime tears and for manner and the period of the period and the period of the per ISPIFITION 可知识的原则是用证明的 traction around macular holes
- Developed in collaboration with rechard spaide; dv. Dith simultaneous
- Not available in the add Attreous matter

Developed in collaboration with Richard Spaide, M.D.

2281:AB

(Not available in the U.S.A.) 81:AB Beckflush Instrument with 20 gauge / 0:9 mm blunt needle:

22/84/ADding: •

Backflush Instrument with 20 gauge / OBOMEN being river less than the being river less than the





- New ergenemical handle design to create optimal surgical control:
- Enlarged backflush reservoir.
- Overall more controlled and precise aspiration of intraocular fluids and/or debris:

INTRAOCULAR ILLUMINATION INTRAOCULAR ILLUMINATION

3269:B 3269.B

TotalView Endeillumination Probe, including illuminated scleral

Ealaur cading

depressor. (20 gouge \$40.92 m/m)

Colour coding:

Box/6 | Sterile: Yes

3269:B 3269.D Endoillumination Probe, including illuminated scleral depressor: Endoillumination Probe, including illumin(2004) (1994) (1994)

E818UF E881AF

(28 ground \$40.92 m/m)

Colour coding:

Box/6 | Sterile: Yes





Fiber optic probe with conical shaped fiber for wide field illumination:

Fiber optic probe with conical shaped fiber for wide field illumination.

3269:SBS 3269.SBS Shielded TotalView Endeillumination Probe, including Shurtindfedfetlerev degresser: (20 gelgebø, 0:9 uding

illuminated scleral depressor. (20 groupe \$10:19:in/in)

Box/6 | Sterile: Yes





Fiber optic probe for straight illumination:

Fiber optic probe for straight illumination.





LASERPROBES

STANDARD LASERPROBES, STRAIGHT

STANDARD LASERPROBES, STRAIGHT Laser Probe with Alcon adaptor

7011.ALC 7011.ALC

20GA Straight Laser Probe with Alcon adaptor 20GA Straight Laser Probe with Alcon adaptor 20GA Straight Laser Probe with Alcon adaptor

Box/6 | Sterile: Yes Box/6 | Sterile: Yes





7010.DORC

Laser Probe, Carved, With DORC connector 20 gauge / 0.9mm. Laser Probe, curved, with DORC connector 20 gauge / 0.9mm. Laser Probe, curved, with DORC connector 20 gauge 70.9 mm.

Box/6 | Sterile: Yes Box/6 | Sterile: Yes

7010.ALC 7010.ALC

7010.ALC 7010.ALC

20GA Curved Laser Probe with Alcon adaptor 20GA Curved Laser Probe with Alcon adaptor 20GA Curved Laser Probe with Alcon adaptor 20GA Curved Laser Probe with Alcon adaptor

Box/6 | Sterile: Yes Box/6 | Sterile: Yes



(Not available in the USA) (Not available in the USA)

(Not available in the USA) (Not available in the USA)

7010.IRI

7010.IRI 7010.IRI

Laser Probe, Curved, with Iridex connector. (20 gauge / 0.9 mm)

Box/6 | Sterile: Yes









DIRECTIONAL LASERPROBES BIRECTIONAL LASERPROBES

7220.IRI

7220.IRI 7220.IRI

Directional Laser Probe with Iridex connector. (20 gauge / 0.9 mm)

7220.DORC 7220.DORC 7220.DORC

Directional Laser Probe with DORC connector. (20 gauge / 0.9 mm)

Colour coding:



Box/6 | Sterile: Yes

Colour coding:

Box/6 | Sterile: Yes









(Not available in the USA)

(Not available in the USA)



(Not available in the USA)

ILLUMINATED LASERPROBES

ILLUMINATED LASERPROBES
Illuminated Laser Probe, Curved, 206 / 0,9 mm

Box/6 | Sterile: Yes Illuminated Laser Probe, Curved, 20G / 0,9 mm 7410.DORC

Box/6 | Sterile: Yes

Illuminated Laser Probe, Curved, 20G / 0,9 mm 7410.DORC





Laser Probe, illuminated, curved, with Iridex connector. (20 7410.IRI

Laser Probe, illuminated, curved, with Iridex connector. (20

Box/6 | Sterile: Yes gauge / 0.9 mm)

Laser Probe, illuminated, curved, with Iridex connector. (20 Box/6 | Sterile: Yes

gauge / 0.9 mm)



7410.IRI

7410.IRI

1272.VFI20

1272.VFI20

1272.VFI20



MISCELLANEOUS DISPOSABLES

MISCELLANEOUS DISPOSABLES

Disposable Viscous Fluid Extraction cannula with 14 mm thin

MISCELLANEOUS DISPOSABULE Stylmide tip. (20. gauge / 0.9 mm)

wall polyimide tip. (20 gauge / 0.9 mm)

Disposable Viscous Fluid Extraction cannula with 14 mm thin

wall polyimide tip. (20 gauge / 0.9 mm)

Box/5 | Sterile: Yes

Disposable viscous fluid injection / extraction cannula with 7

mm thin wall polyimide tip. (20 gauge / 0.9 mm) Disposable viscous fluid injection / extraction cannula with 7

mm thin wall polyimide tip. (20 gauge / 0.9 mm) Disposable viscous fluid injection / extraction cannula with 7

mm thin wall polyimide tip. (20 gauge / 0.9 mm)

Box/5 | Sterile: Yes



1272.VFE20

1270.01

1270.01 Disposable Dual bore BSS injection needle. (41 gauge / 0.1 mm)

Box/1 | Sterile: Yes



1272.AD

1272.AD

Disposable Infusion Cannula, 4.0 mm.

Box/5 | Sterile: Yes Disposable Infusion Cannula, 4.0 mm.

Box/5 | Sterile: Yes

Disposable Infusion Cannula, 4.0 mm.

Box/5 | Sterile: Yes

Enables copined subretinal injection of BSS.

Retinal detachment without increasing the intraocular pressure.

Enables controlled subretinal injection of BSS.

Retinal detachment without increasing the intraocular pressure.

- Enables controlled subretinal injection of BSS.
- Retinal detachment without increasing the intraocular pressure.





TRANSEONIUNETIVAL SYSTEM



1278

REUSABLE 20 GAUGE

Eorceps for removal of cannulas Forceps for removal of cannulas Forceps for removal of cannulas

Sterile: No Sterile: No

TRANSCONJUNCTIVAL SYSTEM

Forceps for removal of cannulas

Box/1 | Sterile: No





MICROFORCEPS / MICROSCISSORS

1386:E 1286 E. Colour coding Colour coding: Microscissors: Vertical: (20 gauge / 0.8 mm) Microscissors: Vertical. (20 gauge (10.9 mm)

Box/1 | Sterile: No

3386:H 2286.H Colorir coding: Colour coding:

Microforceas: Avci Foreign Body: (17 gauge // 1:5 mm) Microforceps: Avci Foreign Body. (17 gauge / 1.5 mm)

Box/1 | Sterile: No





- Rounded lower inferior edge of scissors blade minimizes unintentional
 Wedge of scissors blade minimizes unintentional
 Rounded lower inferior edge of scissors blade minimizes unintentional
 Rounded lower inferior edge of scissors blade minimizes unintentional
- Rogargement of retina.
 Rogargement of retina.
 Rogargement of retina. engagement of retina.







Blunt tipped forceps with tungsten carbide treated jaws for enhanced gripping and removal of small sized to eigh bodies Brunterpped for sepsi with dungstem carbise treated jaws for enhanced gripping



Blunt tipped forceps with tungsten carbide treated laws for enhanced gripping and removal of large sized foreign bodies.

Bruntarpped forcegs with club gripping. and removal of large sized foreign bodies.

1386:8 1286.0

Microforceps: Horizontal Subretinal, 3 mm.(20 gauge / 0.9 mm)

Colour coding:

Box/1 | Sterile: No

1395.3 1295.3

Subretinal cannula, curved 20 gauge/0.9 mm needle with 0.3 mm tip.

Box/1 | Sterile: No









- Blunt tipped forceps with long thin tips (3 mm) angled at 120°.
- For grasping of subretinal membranes.

BACKELUSH INSTRUMENTS AND ACCESSORIES

1281:A1B 1281.A1D Bisposable Replacement backflush reservoirs: Disposable Replacement backflush reservoirs.

Box/10 | Sterile: Yes

1381-B Colour coding:

Backflush instrument with brush needle: $(\frac{3}{2}\theta)$ gauge $/\!\!/\!\!/$ θ : $\frac{3}{2}\theta$ mm) Backflush instrument with brush needle. (20 gauge / 0,9 mm)

Box/1 | Sterile: No



Silicone reservoir for passive aspiration backflush instruments. Silicone reservoir for passive aspiration backflush instruments. Silicone reservoir for passive aspiration backflush instruments.



- Titanium Backflush instrument with silicone brush needle for passive aspiration with simultaneous atraumatic brushing of the retinal surface.
 Backflush instrument with silicone brush needle for passive aspiration backflush untransported by the retinal surface.
 May also be used for repositioning of the brushing continuation of the passive acc.
 May also be used for repositioning matter brushing continuations.

Disposable Replacement backflush brush Needles. (20 gauge / 1281.B1D Charles Flute instrument 1281 Box/1 | Sterile: No 0.9 mmDisposable Replacement backflush brush Needles. (20 gauge / 1281.B1D 1281 Charles Flute instrument Box/1 | Sterile: No 0.9 mmrush Needles. (20 gauge / Disposable Replacement 1281.B1D Charles Flute instrument Box/1 | Sterile: No 0.9 mm• For passive aspiration of intraocular fluids. 1281-B1D. Disposable Replacement backflush brush Needles. (20-grages) 12840 backflush capability. Charles Flute instrument 0.9 mmBox/1 | Sterile: No Backflush Instrument with 20G / 0.9 mm blunt needle 12&6,A5assive aspir Replacementaback flush needle, straight. (20 gauge / 0.9 mm) 1281.A No backflush capability. Eortol 2819 AV By backflush handpiece Box/1 | Sterile: No Box/1 | Sterile: No Backflush Instrument with 20G / 0.9 mm blunt needle 128 prasassive aspir Replacementabackflush intende, straight. (20 gauge / 0.9 mm) 1281.A No backflush capability. For 1281-A/B backflush handpiece Box/1 | Sterile: No Box/1 | Sterile: No 128 Pr. Asassive aspir reign cement bockflush ridedle, straight. (20 gauge / 0.9 mm)
No backflush capability. 1281 A Backflush Instrument with 20G / 0.9 mm blunt needle For 1281-A/B back Box/1 | Sterile: No sh Instrument with blunt needle for passive aspiration of Box/1 | Sterile: No Titanium B 20G Stainless steel needle with fluids and reflux of incarcerated tissue with 20G / 0.9 mm blunt needle 128 execement negle feet en en backflush ile, straight.(20 gauge / 0.9 mm) Box/1 | Sterile: No Replacement backflush Reservoir for 1281.E. 1281 BSS Keplacement Backtlush Needle with silicone tip, straight. Titanium Backflush Instrument with blunt needle for passive aspiration of • 20G Stainless steel needle with straight blunt tip. intraocular fluids and reflux of incarcerated tissue. Set/12 | Sterile: No • Replacement needle for 1281 A Set/10 | Sterile: No 1281.E1 Replacement backflush Reservoir for 1281.E. 20G Stainless steel needle with straight blunt tip. Tizanuas Backflush Instrum Replacement Backflush Needle with silicone tip, straight. intraocular fluids and reflux of incarcerated tissue. Replacement needle for 1281 A Set/12 | Sterile: No Set/10 | Sterile: No TizenupsBackflush InstrumkeptovernentubookelesheNeedesvithesikonettip, stroight 128265 Stainless steel needle with strengtement backflush Reservoir for 1281.E. intraocular fluids and reflux of incarcerated tissue. Replacement needle for 1281 A. Set/12 | Sterile: No Set/10 | Sterile: No 20G Stainless steel needle with a soft silicone tip. 128 p. Batsaumatic remova Reflotement Backflush Needle mithrilitand tiption bight. 1281.E1 Replacement backflush Reservoir for 1281.E. fluids through a retiratomy 1/12 | Sterile: No Set/10 | Sterile: No 1280 Stainless steel Reckfleshiths 20G / 0.9 mm. Replacement backflush reservoir with active aspiration. (XD For atraumatic removal of intra f subretinal ololuidsothrough a retinotomy. вох/1 | Sterile: No Set/10 | Sterile: Yes 1081.1 Duckflush Instrument with a soft silicone tip Duckflush Instrument with uctive For atraumatic removal of intraocular fluid and as Replacement backflush reservoir with active aspiration. 1281.XD Colfluids through a retinotomy. Box/1 | Sterile: No Set/10 | Sterile: Yes 20G Stainless steel needle with a soft silicone tip. 1286 Tatraumatic remover the histurient with active profitor 20G rethal mm. Replacement backflush reservoir with active aspiration. 1281 XD fluids through a retinotomy. Tilids through a retinotomy.

Box/1 | Sterile: No
Titanium Backflush instrument with blunt needle for active aspiration of Set/10 | Sterile: Yes For 1281-T backflush instrument. intraocular fluids and reflux of incarcerated tissue. 1281.T Buckflush instrument with active aspiration 20G / 0.9 mm. Replacement backflush reservoir with active aspiration. 1281.XD Colour coding: Box/1 | Sterile: No Set/10 | Sterile: Yes Titanium Backflush instrument with blunt needle for active aspiration of For 1281-T backflush instrument. intraocular fluids and reflux of incarcerated tissue Titanium Backflush instrument with blunt needle for active aspiration of For 1281-T backflush instrument intraocular fluids and reflux of incarcerated tissue.





Disposable One step Cannula System

Ref. 1272.ED206 (23 gauge / 0.6 mm) 1272.ED205 (25 gauge / 0.5 mm) 1272.ED204 (27 gauge / 0.4 mm)



Dr Adriana Bratu, Vitreoretinal surgeon at "Santa Maria Delle Croci" Hospital, Ravenna, Italy

"The one step DORC trocar system requires low insertion force, and the valve design ensures easy instrument entry and movement during surgery. This feature also ensures excellent trocar retention in the eye during instrument exchange. There is no leakage. Depending on the case, I use 23G, 25G or 27G and sometimes I transform a valved cannula system into a non-valved by removing the closure valves, thus allowing the fluids to drain more easily, as for example in suprachoroidal haemorrhage. At the end of the surgical manoeuvres I replace the valves and continue my surgery. It is one of the best trocar systems at the moment."

DIATHERMY

1120 Endo-diathermy handle, straight pointed tip. (20 gauge / 0.9 Diathermy cable, for 1120 / 1121 / 1122 / 1120-0.5 / 1120.A DIATHERMY 1120-D-0.5 and 1120-0.6 handles. DIATHERMY Box/1 | Sterile: No Box/1 | Sterile: No 1120 Endo-diathermy handle, straight pointed tip. (20 gauge / 0.9 Diathermy cable, for 1120 / 1121 / 1122 / 1120-0.5 / 1120.A 🌃 do-diathermy handle, straight pointed tip. (20 gauge /ബ്ലെ thermy cable, for 112020-D1025 and 17220-0.6200065es/. 1120 1120.A 1120-D-0.5 and Bbk 20-0.56 chandless Box/1 | Sterilemm) Box/1 | Sterile: No Box/1 | Sterile: No

DISPOSABLE 23 GAUGE

PRANTEONJUNCTIVAL SYSTEM

011E-1577EP Disposable One step Cannula System. (23 gauge / 0.6 mm)

Box/5 | Sterile: Yes

Colour coding: ONE STEP

1272.ED206 Disposable One step Cannula System. (23 gauge / 0.6 mm)

Disposable One step Cannula System. (28 gauge \$40.6emm) \$2\72!ED206:

Box/5 | Sterile: Yes



e tha ciosure

enhanced visibility when entering instruments. FeaRres & Predrieffer poration with Prof. Dr. Szurman

Revolutionary, new MVR bladeRequires more than 50% less insertion tures & Benefits :

Eastures & Berleius .

TWO STEP

• Bayes Unique, thanks Moth blade Wedevicto prorel blade 50% vegs over sets on **Pr#SFNt€**d visibility when entering instruments.

DEPERTURE CORPORATION WITH PROFINE VALUE PROVIDES

1272127PPPd visibility wh€losofte videos for 23 gatege/0.6 mm vitrectomy system.

ed in corporation with Prof. Dr. Szurmań TWO STEP

Set/4 | Sterile: Yes

TWO STEP

1272.ERPP6 Closure valves for 23 gauge / 0.6 mm vitrectomy system.

1272.ERPP6 Closure valves for 23 gauge/0.6 mmovitrectomy systems

Set/4 | Sterile: Yes

Infusion line for 23G / 0.6 mm infusion cannula 1272.ERPP2 1279.P

Box/6 | Sterile: Yes

Infusion line for 23G / 0.6 mm infusion cannula 1272.ERPP2

Infusion line for 23G / 0.6 mm infusion connuta | 127/20ERPP2

Box/6 | Sterile: Yes



10 1031 AS/ST and 1281 T handpiece.



1279.P

1279.P

Also for 1281 AS, 1281 AS/ST and 1281 T handpiece With luer-lock fitting.

- Also for 1281 AS, 1281 AS/ST and 1281 T handpiece.
- With luer-lock fitting.

Disposable Two step vitrectomy system. (23 gauge / 0.6 mm) 1272.ED06

Colour coding:



Box/5 | Sterile: Yes



Consisting of:

- 3 x Preloaded Blunt Insertor with Universal Cannula,
- Closure Valves & Closure Plugs
- 1 x Universal Infusion Line

Consisting of:

3 x Preloaded Blunt Insertor with Universal Cannula,

Consisting Malves & Closure Plugs STANDARD and Busin Philipfor with Universal Cannula,

sure Valves & Closure Plugs VITRECITOMES sion Line

1267.NMD06

Disposable Pneumatic Vitrectome. (23 gauge / 0.6 mm)

STANDARD

(working with 30 P.S.I., max. 1500 cuts/min)

Box/1 | Sterile: Yes

Disposable Pneumatic Vitrectome. (23 gauge / 0.6 mm) 1267.NMD06

Disposable Marking and Ivale Rosnle. (29×goluge0/cots/min) 1267.NMD06

(working with 30 P.S.I., max. 1500 cuts/min)

Box/1 | Sterile: Yes

Compatible with most units function 7500 cuts/min. connector M



Compatible with most units functioning on 30 PSI with 1500 High-Speed connector.Max 1500 cuts/min.

Compatible with most units functioning on 30 PSI with 1500 High Speed Course Disposable High Speed Cutter 235/8000CPM

Colour coding:

Box of 6 | Sterile: Yes

Disposable High Speed Cutter 23G/8000CPM 8267.VIT23

Disposable High Speed Cuffer 236/8000CPM 8267 VIT23

Colour coding: Box of 6 | Sterile: Yes

....



Disposable Pneumatic Vitrectome. (23 gauge / 0.6 mm) 2267.NMD06

(working with 37 P.S.I., max. 2500 cuts/min

Box/1 | Sterile: Yes

Disposable Pneumatic Vitrectome. (23 gauge / 0.6 mm) 2267.NMD06

Disposable (Methingrivithre 27 ome! (200 ya 250) Cuts Armin 2267.NMD06

(working with 37 P.S.I., max. 2500 cuts/min

Box/1 | Sterile: Yes

2500 Cuts Porumatic Vitrector vitrect

For most vitrectomy units work Closest aspiration port to the tip



Increased aspiration flow

- Increased shaft stiffness2500 cuts /min. • 2500 Cuts Pneumatic Vitrectome, 3rd generation high flow and high speed vitrectome.
- Egodrests Freethavie vitrectokies syith 37 arabica fight fow and might speed
- Closest aspiration port to the tip
 vitrectonie.
- FOR PASSE VARBICATION LINKS working with 37 PSI, 23 Gauge / 0.6 mm.

 Closessed shaft shiftoes 82 FAB Guts /min.

Increased aspiration flow

Increased shaft stiffness2500 cuts /min.



Indications for Use:

Indications and street the street of the str The property of the constitution of the consti

Feature Condition of the Feature Condition of the Feature Conditions o

Feature (Feature Committee Committee

FAS THE TOTAL OF THE PROPERTY from the second of the second

Disposetule Microforceps: Serreted Jaws (23 annue / Orls min)

COLOUR COOLINE BOX/E | STEPHE: YES

Bunktippedforeesswitheatife interior surface of tip serrated. Entrephole Dungssemen by the arrest of the serrated. Blur **Bling eigen Speaks with centracing testion (sauf a**decipo steip saerabeed.

For the state of the servated in the servated

· For general purpose membrane grasping

Disposable Microforceps: Eckardt End-gripping. (23 gauge / 0.6 1286.WD06 Disposable Microforceps: Eckardt End-gripping. (23 gauge / 0.6 pDisposable riviorceps: eckardt End-gripping. (23 gauge / 0.600) Disposable Microforceps: Eckardt End-gripping. (23 gauge / 100) 1286.WD06 1**2866WD06** 1286 WD06 BOX/5 | Statilenial
BOXBOXSELSEEViles.Yes COLOUR EODINE: Colo Cobbanding titing

Colour coding:



BOX/E | Sterile: Yes

Microforceps with 'nail-like' end-gripping platforms; for precise grasping

Melithrees With Harring althing parts in the macular region.
 Melithrees With Harring and parts in the macular region.
 Melithrees with Harring and property of the macular region.

 DEVELOPED WITH BEELEN GENERAL MEDICAL PROPERTY OF THE PRO The most preferred LLW forceps!!

Developed with Proff. WID. Claus Eckardt

Indications for Use:

For guick and safe removal of vitreous

Features & Benefits:

SAFER: Double cutting speed reduces traction on surrounding tissue.

8268.WF23ER: Duty Chiposophe light 1990 The Cutter 236 / 8000 CPM DORC

8268.WF23ER SET 1990 The Second Light 1990 The Cutter 236 / 8000 CPM DORC

8268.WF23ER: Reduce the light speed TUC Cutter 236 / 8000 CPM DORC

8268.WF23ER: Reduce the light speed TUC Cutter 236 / 8000 CPM DORC

8268.WF23ER: Reduce the light speed TUC Cutter 236 / 8000 CPM DORC

8268.WF23ER: Reduce the light speed TUC Cutter 236 / 8000 CPM DORC

8268.WF23ER: Reduce the light speed TUC Cutter 236 / 8000 CPM DORC

8268.WF23ER: Reduce the light speed TUC Cutter 236 / 8000 CPM DORC

8268.WF23ER: Reduce the light speed TUC Cutter 236 / 8000 CPM DORC

8268.WF23ER: DORC 1990 TORC 1990 T Calour coding:

COMMICROFORCEPS / MICROSCISSORS BOXES SECTION SECTION NO.

1286.CD06

ceps: Serrated Jaws. (23 gauge / 0.6 mm) Disposable Microfor

Box/5 | Sterile: Yes

Indications for Use:

Indications for the strengy at 105 mit recurs each marken and seak had become the common of with each man after the Xellyla North and the common after the Xellyla North and the common of the Xellyla North and the common of the Xellyla North and the common of the common of the Xellyla North and the common of the c

FEATURE DONATE LITERAS VALUE VIEW DAYS STEAST FOR SUIT PUNCHING STEASURE Feature 1900 The Land State of Records 1900 The Land State of Land State

opening the second constant opening of the constant

opening of the aspiration port.

122856.WID056 1286.MD06 8162**2886610N6**1DD066 1286 MD06

Calourandingod Coloradinatingtilingg Calour cooling

1286 1006

Colour coding:

Disposebble Microscissous: Convocal, Horizzontal. (223994199e//0.66 Disposable Microscissors: Curved, Horizontal. (23 gauge / 0.6 pDBispleschiteMicroscissors:GabyeletjiMoizolonfoli (280ggage) Disposable Microscissors: Curved, Horizontell (22 seriege / 1998 mm)

BOX/58b Startil sprate: Yes Box/Box/55e/Staevide:Yes

BOX/5 | STEPHE YES



Sharptippedssiasers with a horizontal reuxature of 12 mm to fallow the

Share the design with a horizontal curvature of 12 mm to follow the Sharen political at the manufacturation to let the parameter and there are

CONTROL OF THE PROPERTY OF THE WAY OF THE PROPERTY OF THE PROP

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to the order of the control of the c

12 test to program surface and tradispolar phicropeiss by a the three 23 garder / 0066 mm) Disposable Microscissors: Ventical. (23 gauge/ 0.6 mm) Displesible extra course sole at kenticals (etalogicale)/ 03comm) 1286.ED06 128628866666

Disposable Microscissous: Vertical (23 contres) (16 mm)

BOX/E | STEPHE: YES

Sharp tipped scissors with vert

Rounded lower inferior edge of scissors plage minimizes unintentional Sharp tipped scissors with vertical cutting action. engagehlent of retina. Rounded lower inferior edge of scissors blade minimizes unintentional

Sharp timend scissors with vartical cutting action.

Rounded lower inferior edge of scissors blade minimizes unintentional engagement of retina



"D.O.R.C. Serrated Jaws forceps are ideal for securely grasping the haptic of the lens without damaging it."

"The Yamane technique of scleral haptic fixation simplifies surgical technique and uses readily available equipment in the theatre. Yamane has built upon the technique described by Scharioth who used scleral tunnels to trap the haptics. His technique was challenging to master both in terms of forming the tunnels and then using them to externalise the haptics. The DORC Scharioth forceps however, did reduce surgical difficulty to a degree.

In the technique described by Yamane, 30G needles are used to externalise haptics avoiding the need for forming and then using scleral tunnels. The haptics are inserted into the needle within the anterior segment of the eye and then withdrawn with the needle and secured by burning the end of the haptic to deform it into a bulb which will then not pass back down the needle track. Some translation of the technique has been required in the UK and other settings and a 27G needle is widely used with a larger internal bore able to accommodate the Haptic of the lens. Yamane used a dermal filler needle which although 30g had a much wider internal diameter allowing fixation of the haptic. In the Vitreo-retinal setting with dropped IOLs it is not uncommon to secure the haptics externally in turn rather than externalising both haptics together as described by Yamane. My standard technique now 'Burns as I go' to avoid the haptics slipping back through the larger needle track.

It is important to be able to grasp the haptic along the length of the forceps and hold it securely whilst trying to feed the haptic up the needle. I have found the grip and length of the D.O.R.C. Serrated Jaws forceps ideal and have found other forceps can result in a lesser grip and rotation of the haptic. These forceps are on hand as they are useful in Complex retinal procedures and so there is no concern in terms of ordering, they are always at hand."

Disposable Microforceps: Serrated Jaws (23 gauge / 0.6 mm)

Ref. 1286.CD06



Stephen Lash Consultant VR surgeon University Hospital Southampton, UK



- Enlarged backflush reservoir
- Overall more controlled and precise aspiration of intraocular fluids and/or debris

Disposable High Myopic Backflush instrument, with brush Backflush Instrument with 23ga / 0.6 mm soft-tip cannula and 1281.BTDH6 2281.STD06 needle and active aspiration. (23 gauge / 0.6 mm) Disposable High Myopic Backflush instrument, with brush active aspiration Backflush Instrument with 23ga / 0.6 mm soft-tip cannula and 1281.BTDH6 2281.STD06 Box/5 | Sterile: Yes Colour coding: Box/5 | Sterile: Yes needle and active aspiration. (23 gauge / 0.6 mm) active aspiration Box/5 | Sterile: Yes Box/5 | Sterile: Yes 2281.ST**D06** Backflush Instrument with mm soft-tip cannula and 1281.BTD Disposable High Myop kflush instrument, with brush needle and active aspiration. (23 gauge / 0.6 mm) active aspiration Box/5 | Sterile: Yes Colour coding: Box/5 | Sterile: Yes Indications for Use: • Slimline design for easier movement and control; • For operating on high myopic eyes. • Reduced size of the handle; • Improved aspiration flow at high vacuum levels, especially for the smaller Indications for Use : Slippingiglesign for easier movement and control; Bestufærdeizeopfithet tranctivate reservoir; For operating on high myopic eyes.
 Available in 23- and 25 Gauge formats. • Improved as point ion flow at high vacuum levels, especially for the smaller Features & Benefits: gauge sizes; Less force required to activate reservoir; • Available in 23- and 25 Gauge formats. • Five milimeter longer shaft than standard forceps. Larger reservoir Indications for Use: Slimline design for easier movement and control; Reduced size of the handle: FRE PRAFFALING POHIGE SMYRPRIARY SEANdard forceps. Improved aspiration flow at high vacuum levels, especially for the smaller Features & Benefits: Less force required to activate reservoir; 228/Jastple6 23- an Bookfush Jastrument with 23 gauge / 0.6 mm brush needle Larger reservoir. Box/5 | Sterile: Yes and active aspiration. USP's ColFive willing temonger shaft than standard forceps. Box/5 | Sterile: Yes 2281.BTD06 Backflush Instrument with 23 gauge / 0.6 mm brush needle active aspiration. k/5 | Sterile: Yes • New ergonomical handle design to create optimal surgical control. Enlarged backflush reservoir. INTRAOCULAR ILLUMINATION piration of intraocular fluids and/or INTRAOCULAR_ILLUMINATION ndoillumination Probe, including illuminated scleral depressor. TotalView Endoillumination Probe, with 2 exchangeable tips. 3269.E06 TotalView Endoillumination Probe, with 2 exchangeable tips. (23 gauge / 0.6 mm) Endoillumination Probe, including illuminated scleral depressor. 3269.D06 3269.E06 Box/6 | Sterile: Yes (23 gauge / 0.6 mm) (23 gauge / 0.6 mm) INTRAOCULAR ILLUMINATION Colour coding: Box/6 | Sterile: Yes Colour coding: Box/6 | Sterile: Yes Endoillumination Probe, including illuminated scleral depressor. TotalView Endoillumination Probe, with 2 exchangeable tips. 3269.D06 3269.E06 (23 gauge / 0.6 mm)(23 gauge / 0.6 mm)Box/6 | Sterile: Yes Box/6 | Sterile: Yes Colour coding: Fiber optic probe for straight illumination. Colour coding: With adjustable finer/light intensity control, includes:

Fiber optic probe straight illumination

traight illumination

Fiber optic probe for straight illumination.

With adjustable fiber/light intensity control, includes:

control_includes

• Illuminated spatula pic tip

Illuminated spatula pic tip
Combined standard and
With adjustable fiber/light in this
Total view adoilluming tip

Illuminated spatul (c tip Combined start and TotalView endoillumination tip

- Combined standard and
- TotalView endoillumination tip



- Multifunctional Instrument
- One standard instrument for both endo- illumination or chandelier illumination
- Bimanual surgery
- TotalView style Illumination

x/6 | Sterile: Yes

LASERPROBES

CURVED STEPPED LASERPROBES

Stepped Laserprobe, with Iridex connector. (23 gauge / 0.6 mm) 7511.IRI **CURVED STEPPED LASERPROBES** Box/6 | Sterile: Yes Box/6 | Sterile: Yes 7511.IRI Box/6 | Sterile: Yes

- Flexible curved tip to access peripheral retina.
- Tapered tip from 23 gauge to 27 gauge.
- Elexifolentative obtile technology peripheral retina.
- Sapated für from 23 gauge to 27 gauge to 27. Economical probe technology. Suitable for most 23 gauge cannula systems.

 $75\,\text{Flexible}$ curved tip to access peripheral retina.

75 Leonomical proceedings of the control of the con Suitable for most 23 gauge cannula systems.

Box/6 | Sterile: Yes

Box/6 | Sterile: Yes

7511.ALC



Flexible curved tip to access peripheral retina. Tapered tip from 23 gauge to 27 gauge.

- Elexiblenical yardstip technology peripheral retina.
- Saltated for frost 23 gauge to 27 gauge to 27.
- Economical probe technology

DIRECTIONAL LASERPROBES ula systems.

DIRECTIONAL LASERPROBES

7223.HGM DIRECTIONAL LASERPROBES Box/6 | Sterile: Yes Colour coding: Box/6 | Sterile: Yes Directional Laser Probe with HGM connector.(23 gauge / 0.6 mm) 7223.HGM Colour coding: Box/6 | Sterile: Yes (Not available in the USA) (Not available in the USA)

(Not available in the USA)

Stepped Laserprobe, with DORC connector. (23 gauge / 0.6 mm) 7511.DORC

7511.DORC

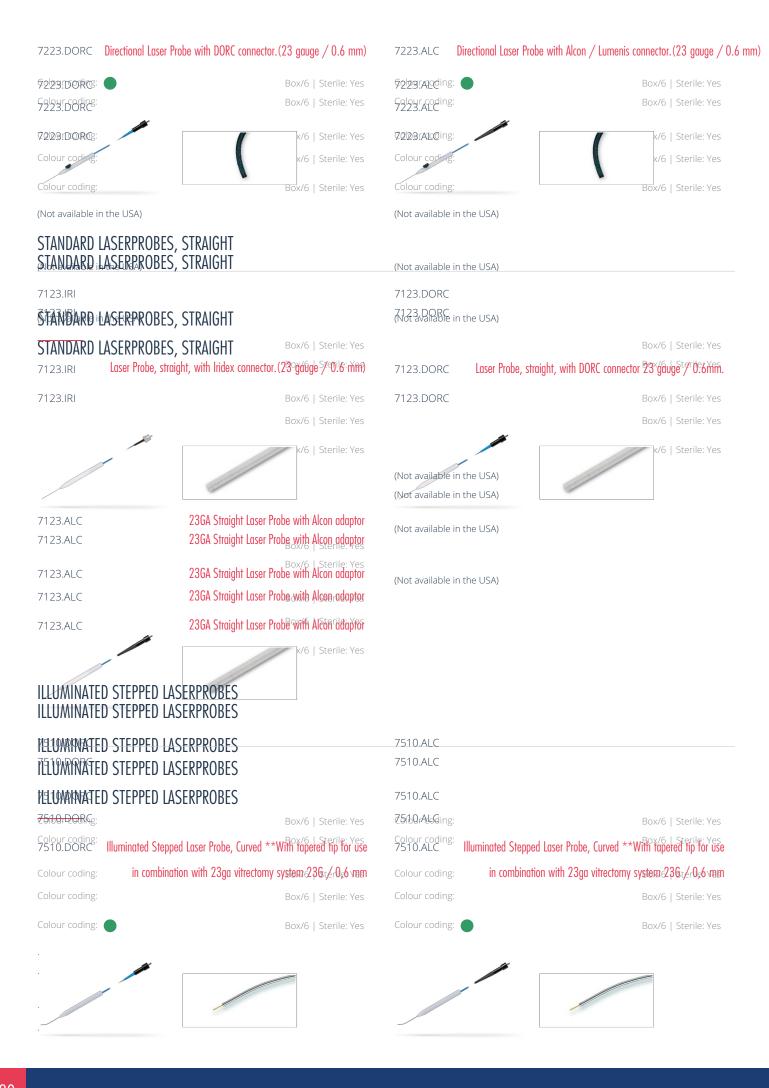
7223.IRI



- Flexible curved tip to access peripheral retina.
- Tapered tip from 23 gauge to 27 gauge.
- Elexifolentual verbtip technology eripheral retina.
- Sapatale für frost 23 gauge to 27 gauge to 28 gauge to 27 gauge Economical probe technology. Suitable for most 23 gauge cannula systems.

Flexible curved tip to access peripheral retina. Tapered tip from 23 gauge to 27 gauge. Economical probe technology. Suitable for most 23 gauge cannula systems.



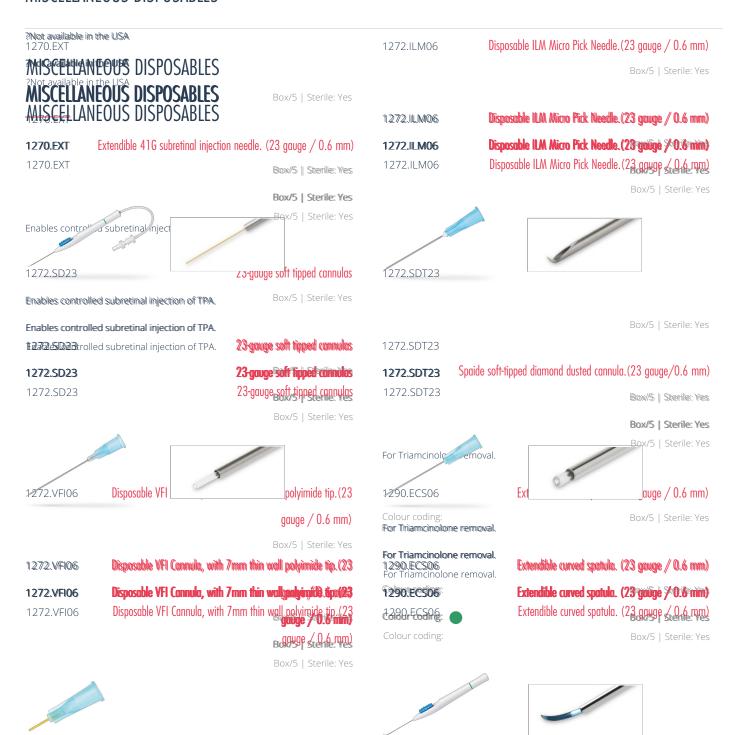




?Not available in the USA

Box/6 | Sterile: Yes

MISCELLANEOUS DISPOSABLES





Suitable for irrigation

Suitable for irrigation incl. VFLVFE. 1290.BTD23 Extendible brush backflush instrument with active aspiration.

\$20000 To 20 igation in Exterdible brush backflush instrument With author (1990) and 1990 and

(23 gauge > 0.6 mm) \$2000 BTD 20 igation in External Methrush backflush instrument with active aspiration. Colour coding: Box/5 | Sterile: Yes (23 gauge / 0.6 mm) Extendible brush backflush instrument with active aspiration. 1290.BTD23 Box/5 | Sterile: Yes (23 gauge / 0.6 mm) Box/5 | Sterile: Yes

Backflush instrument with silicone brush needle for passive aspiration with simultaneous atraumatic 'brushing' of the retinal surface.

- Black Alson has teach fer trappasitive direction for the following with the black of the control of the contr simultaneous atraumatic 'brushing' of the retinal surface.

May also be used for repositioning of retinal folds or breaks.

1292-RESO Finstrument with silice and breaks.

1292-RESO Finstrument with silice and breaks. simultaneous atraumatic 'brushing' of the retinal surface. May also be used for repositioning of retinal folds or breaks: 5 | Sterile: Yes Backflush instrument with silicone brush needle for passive aspiration with simultaneous atraumatic 'brushing' of the retinal surfaceBox/5 | Sterile: Yes

1290ap \$1506e used for reposition of busted Sweepen (28 squuge / 0.6 mm)

Diamond Dusted Sweeper. (23 gauge/0.6 mm) 1290.DSS06 Box/5 | Sterile: Yes ted silicone tipped Diamo weeping' for ILM, PVR, tissue manipulation. Not available in the USA

Diamond dusted silicone tipped manipulator.
1279stde 'sweeping' High Now intusion line to 20, 23, 25 & 276 samula system. manipulation.

1 ≥ 7 90tHavailable in th Highs flow infusion line for 20, 23, 25 & 276 connutries system

Box/6 | Sterile: Yes High flow infusion line for 20, 23, 25 & 27G cannula system 1279.HF Box/6 | Sterile: Yes

High flow infusion line for 20, 23, 25 & 27G cannula system 1279.HF

Box/6 | Sterile: Yes

Box/5 | Sterile: Yes

1279.IAR Universal silicone infusion line for 23 gauge/0.6 mm cannula Universal silicone infusion line for 23 gauge / 0.6 mm susticular 1279.JAR Set/5 | Sterileren Universal silicone infusion line for 23 gauge/0.6 mm cannula 1279.JAR Set/5 | Sterile: No system. Universal silicone infusion line for 23 gauge/0.6 mm cannula 1279.IAR et/5 | Sterile: No system. Set/5 | Sterile: No

Suitable for irrigation incl. VFI/VFE.

Suitable for irrigation incl. YFI/VFE. 1281.CD27 Backflush Needle with tapered tip from 23 gauge/0.6 mm to

SQUEADIED 27 Trrigation Back North Material With managed hierflook 20 nogator for Use mith

27, gauge/0.4 mm and luer lock conhecitly (floadspin) \$27881146112277rrigation Backfus In Meedle with tapered tip from 23 gauge/0.6 mm to Bor 281 !Chandpiece: 27, gauge/0.4 mm and luer lock connector for use with Backflush Needle with tapered tip from 23, gauge/9.4 mm to 1281.CD27 1281.C handpiece. 27 gauge / 0.4 mm and luer lock connector for use with



Extendible diamond dusted sweeper. (23 gauge / 0.6 mm) 1290.EXS23

Box/5 | Sterile: Yes

Box/5 | Sterile: Yes Extendible diamond dusted sweeper. (23 gauge / 0.6 mm) 1290.EXS23

Colour coding: Box/5 | Sterile: Yes 1290.EXS23 Extendible diamond dusted sweeper. (23 gauge / 0.6 mm)

Colour coding: Box/5 | Sterile: Yes Diamo asted silicone tipped Tissue 'sweeping' for ILM, PVR, tissue manipulation. Not available in the USA

• Diamond dusted silicone tipped manipulator.

1279366 'sweeping' for ILM Universal EVG influsion Line for 23G consula system for manipulation.

1 2 7 9 1 √Evailable in the USA. Universal PVC infusion line for 23G cannula system (VFG)

Box/5 | SteVFF:/VFE Universal PVC infusion line for 23G cannula system for 1279.VFI Box/5 | Sterile: Yes Universal PVC infusion line for 23G cannula system for 1279.VFI Box/5 | Sterile: Yes VFI/VFE

Box/5 | Sterile: Yes





TRANSCONJUNCTIVAL SYSTEM

1272.E06

Reusable Two step cannula system. (23 gauge / 0.6 mm)

TRANSCONJUNCTAVALLE SYSTEMINULA system. (23°gaúge /10:6°mm)

Set/1 | Sterile: No

1272.ERPP1

1272.ERPP1

Reusable universal cannula. (23 gauge / 0.6 mm) Reusable universal cannula. (23-gauge \$10:69mm)

Set/2 | Sterile: No

cannula system.(23 gauge / 0.6 mm)

Set/1 | Sterile: No



Reusable universal cannula. (23 gauge / 0.6 mm)

Set/2 | Sterile: No

Eckardt 23 gauge cannula system Consisting of:

Eckardt 23 gause cannula cystem Valves (Box/4, sterile)

Consisting of: 3 x Closure Plugs (long)

- Sxxl/Jhissense Plager (shas/fl)osure Valves (Box/4, sterile)
- 3 x Blustife Stictes (long)

Eskaraturangungungungkan

Constituting and forms Brown

NOTEX University III I STATE PROPERTY PLATES (278/Ecker die 23g cannula forceps not

inclgdedias 目的 用的 (long) NO JE、 Ersslyden 和 33 ls Inspensure plate & 1278 Eckardt 23g cannula forceps not included in February

1272xethniversal Infusion Line Sterilization Box

NOTE Experience 2115 pressure plate Reus 78 Fix the Committee with Order monstraft. included in set.

(22-gauge / i 0.6 mm)

Reusable long closure plugs. (23 gauge / 0.6 mm) 1272.ERPP3

Reusable long closure plugs. (23 gauge / 0.6 mm)

Set/2 | Sterile: No

1272.ERPP2

Set/2 | Sterile: No

1272.ERPP3

1272.ERPP3

Reusable long closure plugs. (23 gauge / 0.6 mm)



Set/2 | Sterile: No

Set/2 | Sterile: No

Image coming soon

1272.ERPP7

1272.ERPP7

Set/2 | Sterile: No

Eckardt Pressure Plate. (23 gauge / 0.6 mm)

2115

2115

Eckardt Pressure Plate. (23 gauge / 0.6 mm)

1272.ERPP7

Reusable infusion cannula with 5.5 mm shaft, including blunt insertor.

2115

Eckardt Pressure Plate. (23 gauge / 0.6 mm)

Box/1 | Sterile: No







ullet Pressure plate to fixate the conjunctiva at the sclera during the incision &cannula insertion procedure.

This instrument is based on the original idea of Dr. Robert G. Josephberg,

MICROFORCEPS / MICROSCISSORS

MICROFORCEPS / MICROSCISSORS MICROFORCEPS / MICROSCISSORS Box/1 | Sterile: No

1286.B06 1286, B06 ing Microforceps: End-gripping. (23 gauge / 0.6 mm) Microforceps: End-gripping. (23-gayge /stendermy) Box/1 | Sterile: No

- Blunt tipped forceps with a small grasping platform on each tip.
- For grasping fine membranes or grasping membranes adherent to the retinal surface.

Blunt tipped forceps with a small grasping platform on each tip.

12 for grasping fine membranes or grasping membranes 2 therent to the mm) 12 for grasping fine membranes or grasping membranes 2 there is a common to the mm) 12 for grasping fine membranes or grasping ships meriariles 2 therefore to the mm) Colour coding: Microscissors: Vertical. (23 gauge 20 6 mm) 1286:E06ling: Microscissors: Vertical.(23-gauge / 10-6-mm) Microscissors: Vertical. (23 gauge / 0.6 mm) 1286, E06 ing Box/1 | Sterile: No

Vertical scissors with cutting action.

- Ketifae वर्षिक अपिता अपिता के प्राप्त कर कि प्राप्त कर कि
- Bounded lower inferior edge of scissors blade minimizes unintentional engagement or with cutting action.

Rounded lower inferior edge of scissors blade minimizes unintentional Vertical.scissors.with.cutting action.

286 MAGEd Lower inferior Weige Greeks CHY VIJ de HAMPA 223 UNIHOEN CONGRESSORS WITH CHRISTOSSERS UNIVER HORZONTAL (23 dauge v. 6 mm) engagement of retina. College of scissors blade minimizes unintentional to the college of scissors blade minimizes unintentional to the college of scissors curved, Horizontal. (23 gauge 5 d. d. a.m.)

1286:M06ng: Microscissors: Curved, Horizontal. (23 gauge / 0.6 mm) Microscissors: Curved, Horizontal.(23,ggyge / 20,6,mm) 1286-M06ng Colour coding Box/1 | Sterile: No

Sharp tipped scissors with a horizontal curvature of 12 mm to follow the contour of the retina.

- Enricutting in the plane parallel to the retina cutting membranes adherent to the retinal to the
- Fbarcutinged Erissoss with a herizontal curvatureing 12 embranes lown then
- control of the regions and all purpose membrane setting in the plane parallel purpose membrane setting in the plane parallel of the plane parallel to the retina, cutting membranes adherent. Colling to the plane parallel to the retinal culting method and such a colling to the parallel to the retinal culting method and all purposes. Alemonard televisted is 200 and 200 and

Microforceps: Diamond-dusted. (23-gauge / 10,6 mm) 1286.DIA06 Microforceps: Diamond-dusted.(23,gavge /starfamm) 2286, PLANG:



Box/1 | Sterile: No

Microforceps: Serrated Jaws. (23 gauge / 0.6 mm) 1286.C06 Box/1 | Sterile: No Colour coding: Microforceps: Serrated Jaws. (23 gauge / 0.6 mm) 1286.C06 Microforceps: Serrated Jaws. (23, gauge & Q. fa. mm) 1286,C06ing Box/1 | Sterile: No

- Blunt tipped forceps with entire interior surface of tip serrated.
- · For general purpose membrane grasping.

Blunt tipped forceps with entire interior surface of tip serrated.



Sharp tipped straight scissors.

- Portuiting of straight នៅតែមេរិក cutting peripheral membranes.
 For cutting in the iris plane or cutting peripheral membranes. Sharp tipped straight scissors.

MICROFORCEPS and MICROSCUSSORS

plane or cutting peripheral membrages/1 | Sterile No. Microforcephileofarde in Englishing (2004) (20 Colfor Euthing 1282869606:

Microforceps: Eckardt End-gripping. (23 gauge & 0.6 mm) No 1286 W Q 6 nain Microforceps: Eckardt End-gripping. (23, gguge / 0, 6, mm) 1286-W06ng



and improved visualization of thin membranes in the macular region.

- The most preferred III forceps to the most preferred in the preferred in the case special parts platform of each special parts of the preferred in the preferred in the present of the present of the present of the present of the preferred in the
- end in the muriaces of Livi for CEDS of the membranes in the macular region.

 2.2 do present the macular region.

 2.3 do present the macular region.

 2.4 do present the macular region.

 2.5 do present the macular region.

 2.6 do present the macular region.

 2.6 do present the macular region.

 2.7 do present the macular region.

 2.8 do present the macular region.

 2.9 do present the macular region.

 2.1 do present the macular region.

 2.2 do present the macular region.

 2.3 do present the macular region.

 2.4 do present the macular region.

 2.5 do present the macular region.

 2.6 do present the macular region.

 2.7 do present the macular region.

 2.8 do present the macular region.

 2.9 do present the macular region.

 2.0 do present the macular region.

 2.1 do present the macular region.

 2.2 do present the macular region.

 2.2 do present the macular region.

 2.2 do present the macular region.

 2.3 do present the macular region.

 2.4 do present the macular region.

 2.5 do present the macular region.

 2.6 do present the macular region.

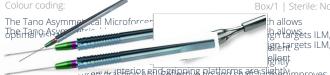
 2.7 do present the macular region.

 2.8 do present the macul Developed with Prof. M. D. Clause Eckardt.

 Collaboration State Co

2286 K06 Ading: Microforceps: Asymmetrical endgripping. (23 gauge 1/ 0.56 min) No

Microforceps: Asymmetrical endgripping. (23, gguge / 5, 6, mm) 2286rK06ing: Box/1 | Sterile: No h allows



ignetargets ILM, ureu graspang. Ann kenekive ap tauna ang limbel/improves सुर्भाइन्निर्म for assured grasping.Anti-Reflective tip and shaft further improves optimal visualization along the entire tip length. Versatile tip design targets ILM, fine epiretinal membranes and diabetic or PVR membranes. Excellent

multipurpose instrument. Interior end-gripping platforms are slightly roughened for assured grasping. Anti-Reflective tip and shaft further improves Microscissors: Curved, Horizontal. (23 gauge / 0.6 mm) visula2i86tilM06

128

128



• Microforceps with 'nail-like' end-gripping platforms.

Colour coding:

- For PVR membrane peeling, general & ILM membrane peeling.
- Length of instrument tip is reduced with 50% i.c.w. 1286.W Grasping power is increased with 200% i.c.w. 1286.W.

Microscissors: Ovali Spatula / Scissors (23 gauge / 0.6 mm) 2286.006

Microscissors: Ovali Spatula / Scissors (23 gauge / 0.6 mm) 2286.006

Microscissors: Ovali Spatula / Scissors (23-gauge & 0.16-mm) 2286r006ing: Colour coding: Box/1 | Sterile: No



Akgül Biopsy Forceps with sharp tip. (23 gauge / 0.6 mm) 1286 ABE

Box/1 | Sterile: No

Box/1 | Sterile: No

Akgül Biopsy Forceps with sharp tip. (23 gauge / 0.6 mm) 1286.ABF Akgül Biopsy Forceps with sharp tip. (23:gauge &:0:6:mm) 1286.ABF

Box/1 | Sterile: No

Unique Instrument design for precise, controlled and minimal invasive

biopsy proced 23G / 0.6 m asive concept r ons and optimal The mir sults Biopsy without cell damage stru al diagnostic

results and avoids repeating biopsy procedures.
Unique Instrument design for precise controlled and minimal invasive
Developed in cooperation with Prof. N. Bornield and Dr. H. Akgul from the
Diopsy procedures 236 / 0.6 mm.
The minimal wivestice state of the state of the minimal invasive that the minimal wivestice state of the st

- Bhopsylvimabinvasiivasaagepstrastille iromipimalconsplicationschaghoptimal PESORY STANDS oids repeating biopsy procedures.
- · Bienan with put call chamas entrurtured en entriena la histological glias nortiche CASIN LES ROY OCTUMO I DE BERATION PROCEDURES.
- Preveloped in cooperiation position Borgy feld and Dr. H. Akgül from the University Clinic in Essen, Germany.
- · Indications for use:Iris BiopsyChoroid Biopsy

Microforceps: ILM.(23 gauge / 0.6 mm) 1286.ILM06 Colour coding: Box/1 | Sterile: No **ILM.(23** gauge / 0.6 mm) 1286.ILM06 Microforceps: eps: ILM.(23:gauge \$t0:6:mm) **1286**11**≥** etour coding Box/1 | Sterile: No

- Thin instrument tips for precise grasping and removal of the ILM.
- Improved visualization of thin membranes in macular region.

Thin instrument tips for precise grasping and removal of the ILM. Improved visualization of thin membranes in macular region. Thin instrument tips for precise grasping and removal of the ILM. 1286 WH06 improved visualization of thin membranes in macular region.

Microforceps: High Myopic Eckardt End-gripping. (23 gauge / 0.6 mm) 1286.WH06

Box/1 | Sterile: No 1286:WH063



- Indications for Use: For operating on high myopic eyes.
- Features & Benefits: Available in 23- and 25 Gauge formats.
- · Undicationer for the first general internal sign on work of the company of the Features & Benefits: Available in 23- and 25 Gauge formats. USP's Five milimeter longer shaft than standard forceps.

BACKFLUSH INSTRUMENTS AND ACCESSORIES

1281.A506 1281.A506 1281.A506 Replacement backflush Needle, straight.(23, gayge / 0.6 mm) Replacement backflush Needle, straight.(23 gauge / 0.6 mm) Replacement backflush Needle, straight.(23 gauge / 0.6 mm)

Box/1 | Sterile: No Box/1 | Sterile: No





For 1281-A/B backflush handpiece

1281.B1D06 1281.B1D06 1281.B1D06 1281.B1D06

Disposable Replacement backflush brush Needles.

(23 gauge / 0.6 mm)Box/10 | Sterile: Yes Box/10 | Sterile: Yes Box/10 | Sterile: Yes Box/10 | Sterile: Yes





For 1281-A/B backflush handpiece For 1281-A/B backflush handpiece. For 1281-A/B backflush handpiece For 1281-A/B backflush handpiece

1281.C1 1281.C1 1281.C1 1281.C1 Large replacement backflush Reservoir for 1281.C. Large replacement backflush Reservoir, for 1281, C Large replacement backflush Reservoir for 1281.C. Large replacement backflush Reservoir for 1281.C.

Set/10 | Sterile: No Set/10 | Sterile: No

1281.A5D06

1281.A5D06 1281.A5D06 1281.A5D06

Replacement backflush needle, straight 23G / 0.6 mm for Replacement backflush needle, straight 23G, / 0.6 mm for Replacement backflush needle, straight 23G, / 0.6 mm for Replacement backflush needle, straight 23G, / 0.6 mm for Replacement backflush needle, addiog backflush fandaide. 1281.C backflush handpiece 1281.C backflush handpiece

Box/10 | Sterile: Yes Box/10 | Sterile: Yes





1281.C 1281.C 1281.C

1281.C

(23 gauge / 0.6 mm) Box/1 | Sterile: No Box/1 | Sterile: No Box/1 | Sterile: No

Box/1 | Sterile: No

Eckardt Backflush Handpiece with luer lock.



Passive backflush instrument with extra large reservoir for increased

Packflush capacity
 Packflush capacity
 Lassive backflush instrument with extra large reservoir for increased Luer-Jock connector for backflush needles. 23G/ 0.6 mm. straight blunt packflush backflush instrument with extra large reservoir for increased

Backleskackaperturston brecht with reced earge Geselovor mort raige as bednt ปัติผู้เพื่อเล่น conneity or for backflush needles.23G/ 0.6 mm. straight blunt

1281.CD27 1281.CD27 1281.CD27

128 Hearlest connector for packflush needles 236 106 mm2straight/blunt to Backflush Needle with tapered tip from 23 gauge (0.6 mm to Backflush Needle with rapered tip from 23 gauge (0.6 mm to Backflush Needle with rapered tip from 23 gauge (0.6 mm to Backflush glasses with rapered tip from 23 gauge (0.6 mm to Backflush glasses with tapered tiperfloak 20 gauge for use with 27 gauge (0.4 mm and luer lock confector for use with 27 gauge (0.4 mm and luer lock confector for use with 27 gauge (0.4 mm and luer lock confector for use with 27 gauge (0.4 mm and luer lock confector for use with 27 gauge (0.4 mm and luer lock confector for use with 27 gauge (0.4 mm and luer lock confector for use with 27 gauge (0.4 mm and luer lock confector for use with 27 gauge (0.4 mm and luer lock confector for use with 27 gauge (0.4 mm and luer lock) to the confector for use with 18 gauge (0

1281. Chandpiece. Box/10 | Sterile: Yes Box/10 | Sterile: Yes



1281.BD27 1281.BD27 1281.BD27 1281.BD27

Backflush Needle with tapered tip from 23 gauge/0.6 mm to Backflush Needle with tapered tip from 23 gauge (0,6 mm to Backflush Needle with tapered tip from 23 gauge (0,6 mm to Backflush Needle with tapered tip from 23 gauge (0,6 mm to Backflush Needle with tapered tip from 23 gauge (0,6 mm to Backflush Needle with tapered tip from 23 gauge (0,6 mm to Backflush Adassa DORC backflush 27 gauge (0,4 mm for use with classic DORC backflush 27 gauge (0,4 mm for use with classic DORC backflush 27 gauge (0,4 mm for use with classic DORC backflush 27 gauge (0,4 mm for use with classic DORC backflush 27 gauge (0,4 mm for use with classic DORC backflush 27 gauge (0,4 mm for use with classic DORC backflush 27 gauge (0,4 mm for use with classic DORC backflush 27 gauge (0,4 mm for use with classic DORC backflush 27 gauge (0,4 mm for use with classic DORC backflush 28 gauge (0,4 mm for use with classic DORC backflush 29 gauge (0,4 mm for us

Box/10 | Signopièce.

Box/10 | Sterile: Yes Box/10 | Sterile: Yes









MEMBRANE INSTRUMENTS



1292.E06 Eckardt Membrane Pic. (23 gauge / 0.6 mm) Membrane pic angled at 100° with a distal end that tapers to 0.3 mm. for improved visualization and precise membrane delamination Box/1 | Sterile: No

Death of the Mangled at 100° with a distal end that tapers to 0.3 mm. for improved visualization and precise membrane delamination.

DIATHERMY

Diathermy cable, for 1120 / 1121 / 1122 / 1120-0.5 /

1120.06

1120-D-0.5 and 1120-0.6 handles.

Mesobane pic angled and the mythole is a 1990 hat the person of the improved visualization and precise membrane delamination.

1120.06

Endo-diathermy handle_straight_pointed_tip. (23 gauge / 0.6 mm)

1120-D-0.5 and 1120-0.6 handles.

Box/1 | Sterile: No

DIATHERMY

Box/1 | Sterile: No

iathermy cable, for 1120 / 1121 / 1122 / 1120-0.5 / 1120.A 1120-D-0.5 and 1120-0.6 handles.

Box/1 | Sterile: No



Box/1 | Sterile: No

TRANSCONJUNCTIVAL SYSTEM

TRANSCONJUNG HAVALE SAY STEAMPOLIA System. (25 gauge / 0.5 mm) DISPOSABLE 25 GAUGE 25G

Disposable One step cannula system. (25 gauge / 0.5 mm)

TRANSCONJUNCTIVAL SYSTEM

Box/5 | Sterile: Yes

Disposable One step cannula system. (25 gauge / 0.5 mm) Colrevontional new MVR bladeRequires more than 50% IBss/fiseftionile: Yes pressure. Features & Benefits: ifmbe closu nts. ırman

Features & Benefits:

- Revolutionary, new MVR bladeRequires more than 50% less insertion
- USP's Unique translucent, newly developed closure valve provides enhanced visibility when entering instruments.
- Developed in cooperation with Prof. Dr. Szurman

VITRECTOMES

STANDARD STANDARD

2267.NMD05 2267.NMD05 Disposable Pneumatic Vitrectome, (25 gauge/0.5mm) Disposable Pneumatic Vityerteme (25 2949e (0.5 mm)) (working with 37 P.S.I. max, 2500 cuts (min)

Box/6 | Sterile: Yes



8267.VIT25

82167rVJ3i5g:

Colour coding



Disposable High Speed Cutter 25G/8000CPM Disposable High Speed Gutter 256/8000CRM

Box of 6 | Sterile: No



TDC TDC

6268.NMD05 6268.NMD05

Disposable High Speed TDC Cutter 25 G / 6000 CPM DORC Disposable High Speed TDC Cutter 25 G / 6000 CPM DORG

Colour coding:

Colour coding:

BoxContinuum.conge

Box/6 | Sterile: Yes





8268.VIT25

8268.VIT25

Colour coding:

Disposable High Speed TDC Cutter 25G / 8000 CPM DORC Disposable High Speed TDC Cutter 256 / 8000 CPM DORG

BoxContinuumaange

Box/6 | Sterile: Yes

Box/5 | Sterile: Yes





Indications for Use:

• For quick and safe removal of vitreous

Features & Benefits:

- SAFER: Double cutting speed reduces traction on surrounding tissue.
- FASTER: Duty cycle of 92% creates constant aspiratin flow independent from cutting speed.
- INCREASED aspiration flow up to three times more than normal rate.
- BETTER: Reduced "surge" turbulence at aspiration port from constant opening of the aspiration port.

Indications for Use:

• For quick and safe removal of vitreous

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- BETTER: Reduced "surge" turbulence at aspiration port from constant opening of the aspiration port.

MICROFORCEPS / MICROSCISSORS MICROFORCEPS / MICROSCISSORS

1286.ED05

Disposable Microscissors: Vertical. (25 gauge / 0.5 mm) Disposable Microscissors: Vertical. (25 gauge & Q. Jampa)

Colour coding:



Box/5 | Sterile: Yes





- Vertical scissors with cutting action.
- Rounded lower inferior edge of scissors blade minimizes unintentional engagement of retina.

1286.MD05

1286.MD05

Disposable Microscissors: Curved, Horizontal. (25 gauge / 0.5 mm)

Colour coding:





- Sharp tipped scissors with a horizontal curvature of 12 mm to follow the contour of the retina.
- For cutting in the plane parallel to the retina, cutting membranes adherent to the retinal surface and all purpose membrane cutting.



Disposable Microforceps: Eckardt End-gripping.

(25°gobge\$/*0!.5:mm) Box/5 | Sterile: Yes B8X/5 | Sterile: Yes



Disposable Microforceps: Asymmetrical endgripping









The Tano Asymmetrical Microforceps features an offset tip which allows

The Tano Asymmetrical Microforceps features an offset tip which allows the Tano Asymmetrical Microforceps features an offset tip which allows the Tano Asymmetrical Microforceps features an offset tip which allows the Tano Asymmetrical Microforceps features and offset tip which allows the Tano Asymmetrical Microforceps features and offset tip which allows the Tano Asymmetrical Microforceps for the membranes and diabetic or the Tano Asymmetrical Microforceps for the Microforceps and Capable for the Microforceps for the Microforceps and Capable for the Microforceps for the

Anti-Reflective tip and shaft further improves visualization. 1286.SFD

Microforceps with 'nail-like' end-gripping platforms; for precise grasping

Microforcess with frainise end gripping platforms, for precise grasping with process with frainise end gripping platforms for precise grasping with process with mainlike end gripping platforms for precise grasping and process with mainlike end gripping platforms for precise grasping and process with mainlike end gripping platforms for precise grasping and process with mainlike gripping platforms for precise grasping and process with precise grasping gripping platforms for precise grasping and process with precise grasping grapping platforms for precise grasping grapping g

Developed with Prof. M.D. Claus Eckardt







1286.SFD 1286.SFD

1286:SFB

Scharioth IOL Scleral Fixation forceps, straight & curved.

(25 gauge / 0.5 mm)Set/2 | Sterile: Yes Set/2 | Sterile: Yes Set/2 | Sterile: Yes Set/2 | Sterile: Yes







Thin instrument tips for precise grasping and removal of the ILM. Improved visualization of thin membranes in macular region.

2286.CD305

12861EMB5

Colour coding

E818UF E881AB

Disposable Microforceps Ultra peel 25 gauge / 0.5mm

Colour coding:

Box/5 | Sterile: Yes





- Designed for single-movement peeling of thicker, more fibrotic membranes
- Blunt, rounded tip design and optimal shaft stiffness provides precise control for smaller gauge surgery

BACKFLUSH INSTRUMENTS

1281.BTD05

Disposable Backflush instrument, with brush needle and active

aspiration.(25 gauge / 0.5 mm)

Box/5 | Sterile: Yes





2281.AD05

Backflush Instrument with 25 Ga / 0.5 mm blunt needle and

active aspiration

Box/5 | Sterile: Yes

Colour coding:



- New ergonomical handle design to create optimal surgical control. Enlarged
- · backflush reservoir.
- Overall more controlled and precise aspiration of intraocular fluids and/or debris.



"For me, the key feature of these forceps is the feeling when I perform the first rip and peel of the membrane. I believe this control is specifically due to the unique, rounded design of the tip of these forceps. Using this tip, I can peel in various locations across the retina and the rounded tip will ensure an equal grip of the membrane. The rounded tip also provides a more gentle touch whilst other forceps seem to have a sharper, square edge.

Why is this difference important? Because I feel it has been designed to ensure a tangential contact with the membrane, easy to rip and gentle to peel.."

Features and benefits:

- Designed for single-movement peeling of thicker, more fibrotic membranes
- 27g delivers over 90% equivalent grasping area vs 23g design,
 25g delivers similar grasping area vs the 23g designs
- Blunt, rounded tip design and optimal shaft stiffness provides precise control for smaller gauge surgery

Disposable Microforceps

Ultra peel 25 gauge / 0.5mm Ultra peel 27 gauge / 0.4mm

Ref. 2286.CD305 / 2286.CD304



Developed in collaboration with Kazuhito Yoneda, MD, PhD, Japan



Scharioth IOL Scleral Fixation forceps, straight & curved

(25 gauge / 0.5mm)

Ref. 1286.SFD

"The intrascleral tunnel haptic fixation technique first described by Gabor Scharioth in 2007 was a very significant advance for patients requiring IOL fixation without capsular support. It allows secure and stable 3 piece IOL fixation with reduced risk and complications compared to suture fixation. Some surgeons however have struggled with the technique and in many of these cases it has been because they were using forceps designed for peeling membranes or general purpose crocodile style forceps.

The DORC Scharioth forceps set are custom made for the procedure and in my opinion are key to its successful completion. They come supplied as one long 25g forceps and one short curved forceps. Each has the same grasping platform with a single central axial groove in both of its opposing surfaces. Both forceps have the ability to open widely and close with high gripping strength with the classic DORC pencil grip actuation handle.

An integral part of the technique is the ability to grasp the IOL haptics by the very tip when removing them from the sclerostomy or passing them through the tunnels for fixation. This requires the surgeon to use a bimanual 'hand shake' technique of holding the haptic in one forceps in the correct position intraocularly, to then grasp the tip with the other forceps - I hold with the long straight forceps and remove the haptic through the sclersotomy with the short curved forceps. The curve on the short forceps is critical to permit this, particularly in deeper set globes or those with restricted access with narrow palpebral apertures.

The grooved tips allow secure holding of the haptic whilst removal through the sclersotomy but without a shearing action which can cut the haptic off. Similarly when grasping the haptic tip to push it through the superficial scleral tunnel the groove helps align it with the forceps tip for smooth passage through the tunnel. Again I use the short curved forceps for this manoeuvre which allows me to optimise the angle for finding the tunnel entrance.

The tips are also end gripping in action meaning that the long one can be used to pick IOLs from the surface of the retina by either the haptics or residual adherent capsule."



Dr. David Steel, Consultant Ophthalmologist and VR surgeon, Sunderland Eye Infirmary, UK

"The DORC Scharioth forceps set are custom made for the procedure and in my opinion are key to its successful completion."

1281.BTDH5 1281.BTDH5

Disposable High Myopic Backflush instrument, with brush Disposable High Myopic Backflush instrument, with brush needle and active aspiration. (25 gauge / 0.5 mm) needle and active aspiration. (25 gauge / 0.5 mm)

Box/5 | Sterile: Yes

1281.BTDH5

Disposable High Myopic Backflush instrument, with brush needle and active aspiration. (25 gauge / 0.5 mm) Box/5 | Sterile: Yes

1281.SD05

1281.SD05

1281.SD05

Disposable Shiraga Backflush instrument, with extendible brush Disposable Shiraga Backflush instrument, with extendible brush tip and active aspiration. (25 gauge 10.5 mm)

Box/5 | Sterile: Yes

Disposable Shiraga Backflush instrument, with extendible brush tip and active ration. (25 gauge / 0.5 mm) Box/5 | Sterile: Yes

Indications for Use:

• For operating on high myopic eyes.

Features & Benefits:

• Available in 23- and 25 Gauge formats.

USP's Indications for Use :

• Five milimeter longer shaft than standard forceps. For operating on high myopic eves.

52847.54 Bosenefits Backflush Instrument with 25ga / 0.5 mm soft-tip cannula and 2287.5TD05 23- Backflush Instrument with 25ga / 0.5 mm soft-tip cannula and active aspiration

Colour coding: Five milimeter longer shaft than standard forceps. Colour coding:

Box/5 Sterile: Yes Box/5 | Sterile: Yes

Backflush Instrument with 25ga / 0.5 mm soft-tip cannula and 2281.STD05





Slimline design for easier movement and control;

Reduced size of the handle: Slimline design for easier movement and control; Improved aspiration flow at high vacuum levels, especially for the smaller Reduced size of the handle;

gauge sizes: improved aspiration flow at high vacuum levels, especially for the smaller Less force required to activate reservoir;

Larger reservoir. Less force required to activate reservoir:

INTRAOCELEA ROLLES IMPNATE (DANG control;

3269305 rce require Total View Endoils enviration Probe, including illuminated scleral 3269.B05 TotalView Endoillumination Probe, including illuminated scleral depressor. (25 aauge / 0.5 mm)

INTRAOCULAR ILLUMINATION

depressor. (25 gauge / 0.5 mm)

Colour coding: Box/6 | Sterile: Yes

TotalView Endoillumination Probe, including illuminated scleral

depressor. (25 gauge / 0.5 mm)

Colour coding:

3269.B05

Box/6 | Sterile: Yes

Fiber optic probe with conical shaped fiber for wide field illumination.

Fiber optic provinth conical shap

Fiber optic probe with conical shaped fiber for wide field illumination.

Backflush Instrument with 25 Ga / 0.5 mm brush needle and 2281.BTD05 Backflush Instrument with 25 Ga / 0.5 mm brush needle and 2281.BTD05

Box/Sterile aspiration

Colour coding: Box/5 | Sterile: Yes

Backflush Instrument with 25 Ga / 0.5 mm brush needle and 2281.BTD05

Colour con

Colour coding:



New ergonomical handle design to create optimal surgical control.

Enlarged backflush reservoir New ergonomical handlid design to create optimal surgical control. Overall more controlled and precise aspiration of intraocular fluids and/or Enlarged backflush reservoir.

debris Overall more controlled and precise aspiration of intraocular fluids and/or debris

New ergonomical handle design to create optimal surgical control. Enlarged backflush reservoir.

Overall more controlled and precise aspiration of intraocular fluids and/or debris

3269.D05 Endoillumination Probe, including illuminated scleral depressor. Endoillumination Probe, including illuminated scleral depressor (25 adual / 0.5 mm) 3269.D05

(25 gauge / 0.5 mm)

Colour coding: Box/6 | Sterile: Yes

Endoillumination Probe, including illuminated scleral depressor. 3269.D05

(25 gauge / 0.5 mm)

Box/6 | Sterile: Yes

Colour coding:

Fiber optic probe for straight illumination. Fiber optic protor straight illumi



Fiber optic probe for straight illumination.



3269.SBS05 3269.SBS05 3269.SBS05 Colour coding: Colour coding:

Shielded TotalView Endoillumination Probe, including Shielded TotalView Endoillumination Probe, including Shielded TotalView Endoillumination Probe, including illuminated scieral depressor. (25 gauge 2:125 mm) illuminated scleral depressor. (25 gauge / 0.5 mm)

Box/6 | Sterile: Yes



LASERPROBES STANDARD LASERPROBES, STRAIGHT

STANDARD LASERPROBES, STRAIGHT 7025.DORC

7025.DORC 7025.DORC

Laser Probe, straight, with DORC connector 25 gauge / 0.5mm.

Box/6 | Sterile: Yes

7025.ALC 7025.ALC 7025.ALC 25GA Straight Laser Probe with Alcon adaptor 25GA Straight Laser Probe with Alcon adaptor 25GA Straight Laser Probe with Alcon adaptor

Box/6 | Sterile: Yes











(Not available in the USA)

DIRECTIONAL LASERPROBES

Directional Laser Probe with DORC connector. Directional Laser Probe with Alcon / Lumenis connector. 7225.DORC 7225.ALC (25 gauge / 0.5 mm)(25 gauge / 0.5 mm)Colour coding: Box/6 | Sterile: Yes Colour coding: Box/6 | Sterile: Yes (Not available in the USA)

(Not available in the USA)

Directional Laser Probe with Iridex connector.

(25 gauge / 0.5 mm)

72/25:1Rpding:

Box/6 | Sterile: Yes





(Not available in the USA)

CURVED STEPPED LASERPROBES

(Not available in the USA)

CHRVED STEPPED LASERPROBES

CURVED STEPPED LASERPROBES Stepped Laser probe, 25, gayge 10,5 pgm

with DORC® connector

7525.DORC Colour coding:

Box/6 | Sterile: Yes

Box/6 | Sterile: Yes

Indication for Use:

Flexible curved tip to access per Suitable for most 25 gauge cannula systems.

Features & Benefits Indications for Use :

- Tapered tip from 0.5 mm to 0.35 mm
 Flexible curved tip to access peripheral retina.
 USP's:
 Suitable for most 25 gauge cannula systems. Indications for Use Features & Benericabe technology.
- Flexible curved tip to access peripheral retina.

 Tapered tip from 0.5 mm to 0.35 mm

 utable for most 25 gauge cannula systems.

USP's: Eartures & Benefits: 75 25 conomical probe technology. Tapered tip from 0.5 mm to 0.35 mm

Economical probe technology. 75/25/1R/bding:

Box/6 | Sterile: Yes

7525.IRI

Stepped Laser probe, 25 gauge / 0,5mm with Iridex® adaptor curved

Colour coding:



Box/6 | Sterile: Yes

Indications for Use:

Flexible curved tip to access per Suitable or most 25 gauge can

Featurs & Benefits : Indications for Use :

Tapered tip from 0.5 mm to 0.35 mm Flexible curved tip to access peripheral retina. USP's; USP: 5: Suitable for most 25 gauge cannula systems. Indications for Use Features & Benefit be technology.

Flexible curved tip to access peripheral retina. Tapered tip from 0.5 mm to 0.35 mm
 Juliable for most 25 gauge cannula systems.

Features & Benefits

Economical probe technology.
 Tapered tip from 0.5 mm to 0.35 mm

• Economical probe technology.

7525.ALC

75125rAtoding:

Stepped Laser probe, 25, gauge / Q.5 mm

with Alcon® connector

7525.ALC

Colour coding:

Box/6 | Sterile: Yes

Box/6 | Sterile: Yes

Indication for Use

Flexible curved tip to access per

Suitable for most 25 gauge cannula systems.

Features & Benefits Indications for Use:

- Tapered tip from 0.5 mm to 0.35 mm
 Flexible curved tip to access peripheral retina.
 USP's
 Suitable for most 25 gauge cannula systems. Indications for Use Features on Benericable technology.
 - Flexible curved tip to access peripheral retina.

 Tapered tip from 0.5 mm to 0.35 mm

 Juliable for most 25 gauge cannula systems.

USP's Features & Benefits :

Economical probe technology. Tapered tip from 0.5 mm to 0.35 mm

USP's

Economical probe technology.

ILLUMINATED STEPPED LASERPROBES

Illuminated Curved Laserprobe 25G/0.5mm with DORC® Illuminated Curved Laserprobe 25G/0.5mm with Alcon® 7625.DORC 7625.ALC connector connector Colour coding: 7625.ALC Colour coding: 7625.DORC Illuminated Curved Laserprobe 25G/0.5mm with DORC® Illuminated Curved Laserprobe 25G/0.5mm with Alcon® ILLUMINATED STEPPED LASERPROBES Colour cod Colour coo Box/6 | Sterile: Yes Box/6 | Sterile: Yes 7625.DORC Illuminated Curved Laserprobe 256/0.5mm with DORC® 7625.ALC Illuminated Curved Laserprobe 25 6000.5mm with Alcon® connector connector Colour coding: Box/6 | Sterile: Yes Colour coding: Box/6 | Sterile: Yes • Enabling bi-manual small gauge surgery • Enabling bi-manual small gauge surgery • Multi-function laser probe • Multi-function laser probe • Curved, designed for laser application to the periphery • Curved, designed for laser application to the periphery • Ideal for 360 degree laser application • Ideal for 360 degree laser application Designed to provide clear visualization of the treatment area during bi-manual small gauge surgery Designed to provide clear visualization of the treatment area during Enabling bi-manual small gauge surgery photocoagulation Multi-function laser probe photocoagulation Multi-function laser probe Curved, designed for laser application to the periphery Curved, designed for laser application to the periphery MEMBRANE AND TRUMENTS THE TRUMENTS OF THE TREATMENT AREA DURING THE TR Ideal for 360 degree laser application Designed to provide clear visualization of the treatment area during Enabling agiutarioual small gauge surgery Enabbingagiutational small gauge surgery Multi-function laser probe Multi-function laser probe MEMBRANG INSTRUMENTS Membrane Pr. (25 gauge / 0.5 mm) Curved, designed for laser application to the periphery Ideal for 360 degree laser application igned to provide clear visualization of the treatment area during lie: Yes Designed to provide clear visualization of the treatment area during photocoagulation photocoagulation Disposable Eckardt Membrane Pic. (25 gauge / 0.5 mm) 1292.ED05 Box/5 | Sterile: Yes 1292.ED05 Disposable Eckardt Membrane Pic.(25 gauge / 0.5 mm) x/5 | Sterile: Yes .3 mm. for angled at 100° with Membran improved visualization and precise MISCELLANEOUS DISPOSABLES that tapers to 0.3 mm. for improved visualization and precise membrane delamination. 25-gauge soft tipped cannulas 1272.VFI05 MISCELLANEOUS DISPOSABLES Box/5 | Sterile: Yes Box/5 | Sterile: Yes 25-gauge soft tipped cannulas MISCELLANEOUS DISPOSABLES 1272.VFI05 Box/5 | Sterile: Yes 1272.SD25

25-gauge soft tipped cannulas

Box/5 | Sterile: Yes

1272.VFI05

Disposable VFI Cannula, with 7mm thin wall polyimide tip

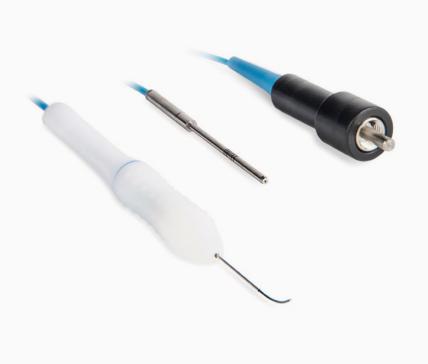
(25 gauge / 0.5 mm)

Box/5 | Sterile: Yes









Illuminated Curved Laser probe with DORC® connector (25 gauge / 0.5 mm)

Ref. 7625.DORC

"Illuminated laser probes are for me the best tool to complete bimanual surgery in complicated cases i.e. diabetic tractional detachment. It allows to maintain good visibility whilst working in peripheral parts of the retina either with external indentation or when applying additional internal diathermy. Its bright and adjustable light power helps further in mild vitreous opacities like residual haemorrhage."

Features & Benefits:

- Multi-function laser probe
- Curved, designed for laser application to the periphery
- Ideal for 360 degree laser application
- Designed to provide clear visualization of the treatment area during photocoagulation
- Available in two versions: with either the DORC connector (7625.DORC) or connector compatible with Alcon surgical systems (7625.ALC)



Dr. Andreas Mohr, head of Ophthalmology Department at St. Joseph - Stift Hospital, Bremen, Germany Box/5 | Sterile: Yes

1290.DSS05

Box/5 | Sterile: Yes

Box/5 | Sterile: Yes

1290.EX\$25 Extendible diamond dusted sweeper. (25 gauge / 0.5 mm) Colour coding Bok/5 | Sterile: Yes 1290.EXS25 Extendible diamond dusted sweeper. (25 gauge / 0.5 mm)

Colondications for Use: Tissue "sweeping" for ILM, PVR, Macular/Rotation and other tissue manipulation.

- Features & Benefits : Extendible tip design for smooth insertion through a 25 gauge cannula with closure valves
- USP's Diamond-dusted, silicone-tipped manipulator

Colour coding:

Indications for Use: Tissue "sweeping" for ILM, PVR, Macular Rotation and other tissue manipulation.

MICRO FOR PETEDS: Extancio POCETIC CO PC ooth insertion through a loss had been been been been allowed for LM, NR, Macular Rotation and

25G ure REUSABLE t266AUGEn for smooth insertion through a

1286 ළුමුප cannula with closure va <mark>Microscissors: Vertical.(25 gauge / 0.5 mm)</mark> USP's Diamond-dusted, silicone-tipped manipulator

MICROFORCEPS / MICROSCISSORS

Box/1 | Sterile: No

1290.DS Diamond Dusted Sweeper. (25 gauge/0.5 mm) Bok/5 | Sterile: Yes 1290.DSS05 Diamond Dusted Sweeper. (25 gauge/0.5 mm)

• Diamond dusted silicone tipped manipulator.

- Tissue 'sweeping' for ILM, PVR, Macular Rotation and other tissue manipulation.
- Not available in the USA

Diamond dusted silicone tipped manipulator.

Tissue 'sweeping' for ILM, PVR, Macular Rotation and other tissue manipulation.

Diamonth gusted silicone tipped manipulator.

Tissue 'sweeping' for ILM, PVR, Macular Rotation and other tissue manipulation.

1286. My eilable in the US Microscissors: Curved, Horizontal. (25 gauge / 0.5 mm)

Box/1 | Sterile: No

Microscissors: Vertical.(25 gauge / 0.5 mm) 1286.E05 Colour coding: Box/1 | Sterile: No 1286.E05 Microscissors: Vertical.(25 gauge / 0.5 mm) Colderticalisgissors with cutting action. Box/1 | Sterile: No Rounded lower or edge of nintentional engagem

Microforceps: Eckardt End-gripping. (25 gauge / 0.5 mm) 1286.W05

- Vertical scissors with cutting action.
- Colour coding: No Rounded lower inferior edge of scissors blade minimizes unintentional: No engagement of retina. Vertical scissors with cutting action.

Rounded lower inferior edge of scissors blade minimizes unintentional engagement of retina

Microforceps: Eckardt End-gripping. (25 gauge / 0.5 mm) 1286.W05

Box/1 | Sterile: No Microforceps: Eckardt End-gripping. (25 gauge / 0.5 mm) 1286.W05

Coldictoforcep the allered end-gripping platforms; for preside grapping No and improved visualization of thin membranes in the macular region. The most preferred ILM forceps!

Developed with Prof. M.D. Claus Eckardt.

Microforceps with 'nail-like' end and improved visualization of thin membranes in the macular region. The most preferred ILM forceps!

- Macroforce protein in the constant of the c and improved visualization of thin membranes in the macular region.
- The most preferred ILM forceps!
- Developed with Prof. M.D. Claus Eckardt.

Microscissors: Curved, Horizontal. (25 gauge / 0.5 mm) 1286.M05 Colour coding: Box/1 | Sterile: No Microscissors: Curved, Horizontal.(25 gauge / 0.5 mm) 1286.M05

ColSharpdipped scissors with a horizontal curvature of 12 mgg to follow the No contour of the

For cuttin plane parallel al surface and all pu to th



2286.105 Microforceps: Asymmetrical endgripping. (25 gauge / 0.5 mm)

- Sharp tipped scissors with a horizontal curvature of 12 mm to follow the Colour coding: Contour of the retina.
- For cutting in the plane parallel to the retina, cutting membranes adherent Etherne Figures suitsees amidthen burizostatheumvature etitlingim to follow the contour of the retina.

For cutting in the plane parallel to the retina, cutting membranes adherent

to the retinal surface and all purpose membrane cutting 2286.105 $\,$ Microforceps: Asymmetrical endgripping.(25 gauge / 0.5 mm)

Colour coding: Box/1 | Sterile: No Microforceps: Asymmetrical endgripping. (25 gauge / 0.5 mm) 2286.105

Coldhectanness moica nicroforceps features an offset tipowhichellows No optimal visualization along the entire tip length.

Versatile tip design targets ILM, fine epiretinal membranes and diabetic or PVR membranes

Excellent multi ose instrum Interior e pping platforms

ssured which allows

Anti-Reflective tip and shaft furt The Tano Asymmetrical Microfo optimal visualization along the entire tip length.

Versatile tip design targets ILM, fine epiretinal membranes and diabetic or • FOR THE DESIGNATION MICROFORCEPS features an offset tip which allows

- extimationalization at ong the centire tip length. Vresatiletia depinte peatrolland sine signatina lignen benersand relabetic or g Mg phogn branes
- Exertentemblingrangsinatrumaet improves visualization.
- Interior end-gripping platforms are slightly roughened for assured grasping.
- Anti-Reflective tip and shaft further improves visualization.

Microforceps: ILM.(25 gauge / 0.5 mm) 1286.ILM05 1286.C305 Microforceps: Shah Micro Serrated Jaws. (25 gauge / 0.5 mm) Colour coding: Box/1 | Sterile: No Colour coding: Box/1 | Sterile: No Microforceps: ILM.(25 gauge / 0.5 mm) 1286.C305 1286.ILM05 Colour coding: Box/1 | Sterile: No 1286 ill Ms Eument tips for precise grasp Miggoforce Ps ill May (2/5 in august / 0.5 mm) 1286.C305 • Improved visualization of thin membranes in macular region. Box/1 | Sterile: No • Multifunction fine-tipped forceps that can be used to grasp the ILM. • The serrated platform allows for maximum grasping of tissue once it has Thin instrument tips for precise grasping and removal of the ILM. Improved visualization of thin membranes in macular region. been elevated. • Mश्चार्रिकारपंडितर्गिनिक्रां क्रिक्टिक् प्रिक्टिक स्मिन्स्यक्ति be used to grasp the ILM. The serrated platform allows for maximum grasping of tissue once it has 1286.WH05 Also very useful for immature membranes. Microforceps: High Myopic Eckardt End-gripping. 1286.WH05 Third in the ment tips for precise grasping and removal of the LM. Sterile: No Improved visualization of thin membranes in macular regionalization of thin membranes in macular regionalization. Multifunction fine-tipped forceps that can be used to grasp the ILM. Colour coding: Box/1 | Sterile: No The serrated platform allows for maximum grasping of tissue once it has been elevated. Also very useful for immature membranes. 1286.WH0 Box/1 | Sterile: No Indications for Use: For operating on high myopic eyes. DIATHER Menefits: Available in 23- and 25 Gauge formats. ilimeter longer shaft than standard forceps. DIATHERMY Diathermy cable, for 1120 / 1121 / 1122 / 1120-0.5 / 1120.05 1120-D-0.5 and 1120-0.6 handles. Diathermy cable, for 1120 / 1121 / 1122 / 1120-0.5 / 1120.A 1120.05 Box/1 | Sterile: No 1120-D-0.5 and 1120-0.6 handles. Box/1 | Sterile: No Box/1 | Sterile: No DIATHERMY Endo-diathermy handle, straight pointed tip. Diathermy cable, for 1120 / 1121 / 1122 / 1120-0.5 / 1120.A 1120.05 (25 gauge / 0.5mm) 1120-D-0.5 and 1120-0.6 handles. Box/1 | Sterile: No Box/1 | Sterile: No





TRANSCONJUNCTIVAL SYSTEM

1272.ED204 Disposable One step co

Disposable One step cannula system. (27 gauge / 0.4 mm)

Colour coding:

Box/5 | Sterile: Yes



Features & Benefits:

- Revolutionary, new MVR bladeRequires more than 50% less insertion pressure.
- USP's Unique translucent, newly developed closure valve provides enhanced visibility when entering instruments.
- Developed in corporation with Prof. Dr. Szurman

Features & Benefits:

Revolutionary, new MVR bladeRequires more than 50% less insertion pressure.

USP's Unique translucent, newly developed closure valve provides

STANDARD visibility when entering instruments. Developed in corporation with Prof. Dr. Szurman

1/ITD	$\Gamma \cap T \cap T \cap T$	$\mathcal{M}FS$
M11D	11.11	コハハLく
WIAK		MML >

Disposable High-Speed Vitrectome. (27 gauge / 0.4 mm)

6267.NMD04

6267.NMD04

Disposable Pneumatic Vitrectome. (27 gauge / 0.4 mm)

(working with 42 P.S.I., max. 6000 cuts/min

Box/6 | Sterile: Yes

(working with 37 P.S.I., max. 2500 cuts/min)

Box/6 | Sterile: Yes

Disposable Pneumatic Vitrectome. (27 gauge / 0.4 mm)

(working with 42 P.S.I., max. 6000 cuts/min

Box/6 | Sterile: Yes

2267.NMD04

STANDARD

Disposable High-Speed Vitrectome. (27 gauge / 0.4 mm)

(working with 37 P.S.I., max. 2500 cuts/min)

Box/6 | Sterile: Yes









8267.VIT27

Disposable High Speed Cutter 27G/8000CPM

Colour coding:

Box of 6 | Sterile: Yes





6268.NMD04 6268.NMD04

Disposable High Speed TDC Cutter 27G / 6000 CPM DORC Disposable High Speed TDC Cutter 276 / 6000 CPM DORC

Continuum range Continuum range

Disposable High Speed TDC Cutter 27GB/Y0005CPMDORE

Disposable High Speed TDC Cutter 27G / 8000 CPM DORC Disposable High Speed TDC Cutter 276 / 8000 CPM DORC Continuum range Continuum range

Disposable High Speed TDC Cutter 27GB/80005CPMDORE

Continuum range

6268.NMD04

Continuum range







8268.VIT27

8268.VIT27

6268.V112179:



Indications for Use:

Indications for Use . For quick and safe removal of vitreous

• For quick and safe removal of vitreous

Features & Benefits

Indications for Uses.

SAFER: Bouble cutting speed reduces traction on surrounding tissue.

- EASPRICESOUGH EXTREMENTATION AND A CONTROL OF THE PROPERTY O
- frasifieRittDigtspeeld of 92% creates constant aspiratin flow independent Feather and the feather than normal rate.
- BAFEERSHIZARDIEDE ENGLIGHTE DATE DE L'ARREST DE L'AR
- PASTERS: Station of the contraction of the contra ABANICA AND ASPIRATION PORT.

INCREASED aspiration flow up to three times more than normal rate.

83 RETERS Reduced "surge" turbulence at aspiration of the surge of the 83 PD 27 PS of the aspiration port. 27G Ultra Short Vitrectomy Kit

Colour coding:

8310.27KS

Box/1 kit | Sterile: Yes Box/1 kit | Sterile: Yes

27G Ultra Short Vitrectomy Kit

Box/1 kit | Sterile: Yes

Features & Benefits:

Indications for Use . For quick and safe removal of vitreous

• For quick and safe removal of vitreous

Indications for Use:

redications for less. SAFER: Bouble cutting speed reduces traction on surrounding tissue.

- EASTERS BOOK EXTOR PROPERTY AND A FAMILIES OF STREET FOR A CONTROL OF STREET FOR A STREET FOR
- FRASTIERUTED gtspayeld of 92% creates constant aspiratin flow independent Feather and the feather than normal rate.
- BATEER STREAMPER ELEVATION CONTROL PROPERTY TO THE CONTROL PROPERTY OF THE P
- PRETER: Of the cost stigg were well encount to the intervent and the content of the cost ABANIA A A PARA A SPIRATION PORT.

INCREASED aspiration flow up to three times more than normal rate. BETTER: Reduced "surge" turbulence at aspiration port from constant opening of the aspiration port.

Optimised for challenges of smaller eyes. Includes 3 instruments:

- 27G Ultra Short One-Step cannula system (with 25% shorter* inserter and trocar; trocar designed to improve retention);
- 27G Ultra Short Shielded TotalView Endoillumination Probe (20%shorter*);
- 27G Ultra Short TDC Cutter (20% shorter, rigidity increased by 60%*).
- * compared to standard 27G instruments

MICROFORCEPS / MICROSCISSORS

MEROPORCEPS / MICROSCISSORS

Disposable Microforceps: Eckardt End Gripping, 27 Gauge

0.4 mm

1286.WPD04

1286.WPD04 1286.WPD04

Disposable Microforceps: Power Endgripping 27 gauge

/ 0.4 mm.

Colour coding:

1286.WD04

Box/5 | Sterile: Yes

Colour coding:

Box/5 | Sterile: Yes



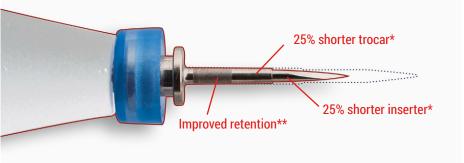
- Prevelence by thirt of a Milke दिनाक हुन्दे हाति platforms; for precise grasping and improved visualization of thin membranes in the macular region.
- · The most preferred ILM forceps!
- Developed with Prof. M.D. Claus Eckardt.





27G Ultra Short Disposable One-Step cannula system



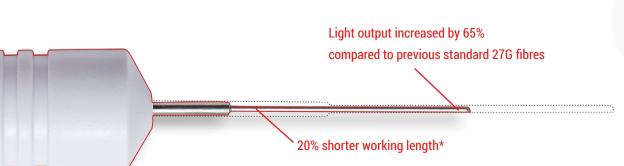


27G Ultra Short Vitrectomy Kit

(ref. 8310.27KS)

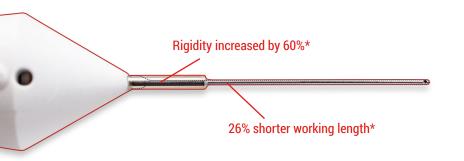
Optimised for challenges of smaller eyes.

27G Ultra Short Shielded TotalView Endoillumination Probe, including scleral depressor





27G Ultra Short Disposable 8000 CPM TDC cutter



- * compared to standard 27G instruments
- ** designed to improve retention



Fanny Nerinckx, MD, Head of Vitreoretinal Surgery Unit, Ghent University Hospital, Belgium.

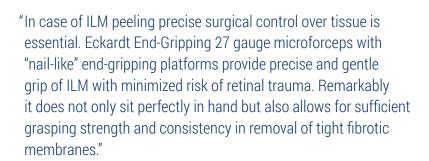
"Shorter trocars and vitrectome reduce risk of damage to retina when it is displaced to the anterior pole. The sandblasted upper shaft of the trocar cannula aids retention in the sclera particularly when rotating the eye. The blade design ensures smooth insertion even in cases with high scleral elasticity. Finally, the enhanced rigidity of the 27G vitrectome helps with grasping and removing fibrovascular tissue. Overall I would recommend the use of the 27G Ultra Short Vitrectomy Kit for the VR cases in smaller eyes with restricted working space".



Eckardt End-Gripping 27 Gauge/0.4 mm)

Disposable Microforceps

Ref. 1286.WD04



- Microforceps with 'nail-like' end-gripping platforms
- For precise grasping and improved visualization of thin membranes in the macular region
- · Developed with Prof. M.D. Claus Eckardt



Dr. Katarína Perduková, vitreoretinal surgeon, University hospital of L.Pasteur Košice, Slovakia



- New ergonomical handle design to create optimal surgical control.
- Enlarged backflush reservoir.

debris.

 Overall more controlled and precise aspiration of intraocular fluids and/or debris.



Extended Reach Wide Grip (27gauge / 0.4 mm)

New Disposable Microforceps

Ref. 1286.WRD04

"The Dutch Ophthalmic 27g wide grip forceps are fantastic. They provide a firm grasp on membranes with minimal shredding. Also, their rigidity is comparable to 25g forceps. I highly recommend them." - Christopher L. Haupert, M.D. -

Features & Benefits in comparison with the current 27G forceps:

- 60% increased gripping width
- 260% improvement in gripping area
- 40% enhanced stiffness

"I've been very impressed by Dutch Ophthalmic's new 27ga wide grip forceps making them my preferred choice for both 25ga and 27ga cases. The tips allow for good tissue visualization, while the grasping strength and rigidity are excellent".- James Singer, D.O. -



Christopher L. Haupert, M.D. lowa Retina Consultants, USA



James Singer, D.O. Iowa Retina Consultants, USA



Extended Reach Wide Grip (27gauge / 0.4 mm)

New Disposable Microforceps

Ref. 1286.WRD04



Developed in collaboration with Prof. Fanis Pavlidis, Germany

"The surgical comfort and efficiency of the 27G peelings are mostly dependant on the ergonomics and stiffness of the forceps. The new Extended Reach - Wide Grip 27G forceps combines significantly increased rigidity for direct response and a wider gripping tip allowing for a reduced number of grasp actions and minimized risk of retinal trauma. In addition, the stronger end gripping tip with serrations allows for stronger grip of membranes."

Features & Benefits in comparison with the current 27G forceps:

- 60% increased gripping width
- 260% improvement in gripping area
- 40% enhanced stiffness



Backflush Instrument

with 27 Ga / 0.4 mm blunt needle and active aspiration

Ref. 2281.AD04

"I've tested the new 27G blunt backflush needle by DORC: good active and passive aspiration. Good feeling of the handpiece in the hand. Sufficient size of reservoir. The backflush does not come into conflict with the Viewing system. Conclusion: a clear improvement compared to the recent backflush design."

Features & Benefits in comparison with the current design:

- Slimline design for easier movement and control
- Reduced size of the handle
- Less force required to activate reservoir
- Larger reservoir



Ulrich Spandau, Associate Professor, Head of vitreoretinal surgery Department of Ophthalmology at University of Uppsala, Sweden 2281.STD04

2281.STD04 Colour coding Backflush instrument with 27ga/0.4 mm soft-tip cannula and

active aspiration Backflush instrument with 27ga/0.4 mm soft-tip cannula and

active aspiration





- Slimline design for easier movement and control;
- Reduced size of the handle;
- Improved aspiration flow at high vacuum levels, especially for the smaller gauge sizes;
- Less force required to activate reservoir;
- Larger reservoir.

INTRAOCULAR ILLUMINATION

INTRAOCULAR ILLUMINATION

3269.MBD27

Colour coding:

Disposable Eckardt TwinLight Chandelier.

Box/6 | Sterile: Yes

(27 gauge / 0.4 mm)

Box/6 | Sterile: Yes

3269.PD27

3269.PD27

Eckardt TwinLight Chandelier with Photon connector and

guidance needle.(27 gauge / 0.4 mm)
Eckardt TwinLight Chandelier with Photon connector and
Box/6 | Sterile: Yes

guidance needle.(27 gauge / 0.4 mm)

Box/6 | Sterile: Yes



3269.P27

3269.P27 Disposable Chandelier fiber (one fiber) with Photon connector

and guidance needle.(27 gauge / 0.4 mm)
Disposable Chandelier fiber (one fiber) with Photon connector

and guidance needle.(27 gauge / 0.4 mm)

Box/6 | Sterile: Yes



3269.BE27 27G Chandelier fiber and 23G standard D-style fiber optic

handpiece incl. guidance needle.

3269.BE27
Colour coding:

276 Chandelier fiber and 236 standard D-style fiber aptic
Box/6 | Sterile: Yes

handpiece incl. guidance needle.

Colour coding: Box/6 | Sterile: Yes



3269.A27 Disposable Chandelier fiber (one fiber) incl. guidance needle.

(27 gauge/0.4 mm)
3269.A27
Colour coding:

Disposable Chandelier fiber (one fiber) incl. guidance needle.
Box 6 | Sterile: Yes

(27 gauge/0.4 mm)
Box/6 | Sterile: Yes

3269.D04 Endoillumination Probe, including illuminated scleral depressor.

(27 gauge / 0.4 mm)
3269.D04
Colour coding:
Endoillumination Probe, including illuminated scleral depressor.
Box of 6 | Sterile: Yes

(27 gauge / 0.4 mm)

Colour coding: Box of 6 | Sterile: Yes



Colour coding:





Endoillumination Probe, including illuminated scleral depressor (27 gauge / 0.4 mm)



Disposable Eckardt TwinLight Chandelier (27 gauge / 0.4 mm)

Ref. 3269.MBD27

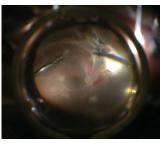


In vitreoretinal surgery hands-free light allows for better control at all times, accurate shaving of the vitreous base whilst indenting through 360°, and using bimanual approach to solve complex cases.

Disposable Eckardt TwinLight Chandelier 27G is a very good light fiber that doesn't need specific trocars and can be inserted through the conjunctiva using a guidance needle.

EVA LED light source in conjunction with Eckardt TwinLight Chandelier provides comfortable visualization to perform all vitreoretinal cases."







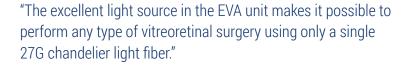
Umberto Lorenzi MD, FEBO
Head of Medical and Surgical Retina
Hospital Center University
Charles-Nicolles Rouen, France



Disposable Chandelier fiber (one fiber) incl. guidance needle

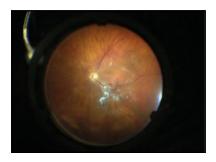
(27 gauge / 0.4 mm)

Ref. 3269.A27



"This can easily be fitted through one of the 27G trocars, avoiding the need to make a separate sclerotomy for the light.

The quality and intensity of the illumination is sufficient even for recording high-resolution intraoperative videos."



EVA light power at 50%



Dan Öhman MD, consultant vitreoretinal surgeon, Örebro University Hospital, Sweden TotalView Endoillumination Probe, including illuminated scleral

depressor.(27 gauge / 0.4 mm)

Colour coding:

Box/6 | Sterile: Yes

TotalView Endoillumination Probe, including illuminated scleral

3269.B04

TotalView Endoillumination Probe, including illuminated scleral

Colour coding:

depressor.(27 gauge / 0.4 mm)

TotalView Endoillumination Probe, including illuminated scleral

Box/6 | Sterile: Yes

Colour coding:

Box/6 | Sterile: Yes

Colour coding:
3269.SBS04
3269.SBS04
Colour coding:
colour coding:

7527.DORC

7527.DORC

7527.DORC

Shielded TotalView Endoillumination Probe, including illuminated scleral depressor. (27 gauge / 0.4 mm) Box of 6 | Sterile: Yes

Shielded TotalView Endoillumination Probe, including
Shielded TedtalView Ceptaikanii/Latigraphyche, Ondluding
illuminated scleral depressor. (27 gauge 7 0.44 mm)

Box of 6 | Sterile: Yes

Laser Probe, Stepped, Curved with DORC® Connector 27

Laser Probe, Stepped, Curved with DORC® Connector 27

Laser Probe, Stepped, Curved with DORCORD GOOD CONTROL TO MAKE TO MAKE

gauge / 0.4 mm

Box/6 | Sterile: Yes

Box/6 | Sterile: Yes

Fiber optic probe with conical shaped fiber for wide field illumination.

CURVED STEPPED PASERPROBES for wide field illumination.

EASERPROBES h conical shaped fiber for wide field illumination.

7527.IRI 27 GA Stepped Laser Probe with Iridex® adapter curved

CURVED STEPPED LASERPROBES
CURVED STEPPED LASERPROBES

7527.IRI 27 GA Stepped Laser Probe with Iridex® adapter curved

7527.IRI 27 GA Stepped Laser Probe with Iridex@adapteri Curved

Box/6 | Sterile: Yes

Box/6 | Sterile: Yes

7527.ALC 27 GA Stepped Laser Probe with Alcon® adaptor curved

27 OA Siepped Lasei Flobe willi Alcoil® daupioi coive

Box/6 | Sterile: Yes

7527.ALC 27 GA Stepped Laser Probe with Alcon® adaptor curved

7527.ALC 27 GA Stepped Laser Probe with Alcon@adaptoricurved

Box/6 | Sterile: Yes



1272.VFI04

MISCELLANEOUS DISPOSABLES MISCELLANEOUS DISPOSABLES

Box/6 | Sterile: Yes

1272.VFI04

1272.VFI04 Disposable VFI cannula, with 6mm thin wall polyimide tip.

 $(27_{\circ}gauges/e0.14:mm)$

Box/6 | Sterile: Yes



MICROFORCEPS / MICROSCISSORS

1286.W04

Microforceps: Eckardt End-gripping.(27 gauge / 0.4 mm)

MICROFORCERS / MICROSCISSORS

Box/1 | Sterile: No



- Microforceps with 'nail-like' end-gripping platforms; for precise grasping and improved visualization of thin membranes in the macular region.
- The most preferred ILM forceps!
- Developed with Prof. M.D. Claus Eckardt.

MEMBIDANE WINGTREMENT Sping platforms; for precise grasping and improved visualization of thin membranes in the macular region.

The most preferred ILM forceps!

Developed with Prof. M.D. Claus Eckardt.

Eckardt Membrane Pic, angled at 120°. (27 gauge / 0.4 mm)

MEMBRANE INSTRUMENTS

Box/1 | Sterile: No

1292.E04

Eckardt Membrane Pic, angled at 120°. (27 gauge / 0.4 mm)

Colour coding:



Box/1 | Sterile: No



DIATHERMY

Membrane pic angled at 100° with a distal end that tapers to 0.3 mm. for improved visualization and precise membrane delamination.

1120.A

Diathermy cable, for 1120 / 1121 / 1122 / 1120-0.5 /

1120.04

DIATHERMY

1120-D-0.5 and 1120-0.6 handles.

Box/1 | Sterile: No

Box/1 | Sterile: No Endo-diathermy handle, straight pointed tip.

1120.A

Diathermy cable, for 1120 / 1121 / 1122 / 1120-0.5 /

1120.04

(27 gauge / 0.4 mm)

1120-D-0.5 and 1120-0.6 handles.

Box/1 | Sterile: No

Box/1 | Sterile: No





MEMBRANEBI UF-DUAL

SURGICAL LIQUIDS / TAMPONADES

MEMBRANEBLUE-DUAL MEMBRANEBLES-DUAL

Box/5 | Sterile: Yes

MembraneBlue Dual

MBD 05 S

MembraneBlue Dual

MEMBRANEBLUE-DUAL

Membrane Blue Dual

Box/5 | Sterile: Yes

ILM-BLUE

0.5 ml. Syringe

MBD.05.S 0.5 ml. Syringe MembraneBlue Dual

Box/5 | Sterile: Yes

ILMB.**015\\\$**B.05.S

ILM-Blue ILM-Blue

Box/5 | SteBibex/Bes Sterile: Yes

0.5 ml. Syringe

0.5 m BY FINE **ILM-BLUE 0.15/18**1.055/.Singe

ILM-Blue

Box/5 | Sterile: Yes

ILM-Blue

ILM-Blue

Box/5 | Sterlin:Blue

Box/5 | Sterile: Yes



0.5ml Syringe

N-BLUE ILM-BLUE

3.05.S

ILMB.05.S ILM-Blue

Box/5 | Sterile: Yes

Silicosidico ile SO 10,6 ile co 110,6 ile c

Box/Box&telifetelfiels:Stesile: Yes

SURGICAL TAMPONADES

SILICONE OIL

SIL-1000-S

SIL-2000-S

SIL-2000-S

SIL-2000-S

Silicone Oil, 1.000 csts, 10ml syringe

Silicone Oil, 1.000 csts, 10ml syringe

Silicone Oil, 1.000 csfs, 10ffil springe

Box/1 | Sterile: Yes

SIL-5000-S

SIL-5000-S

SIL-20020500-2000-S

Silicone Oil, 5.000 csts, 10ml syringe

Silicone Oil, 5.000 csts, 10ml syringe

Silicosidi di le Silicosida de Carlo Departing de Syringe

Box/BoxStellibratiles:Stesile: Yes

Box/1 | Sterile: Yes

Box/1 | Sterile: Yes

cone Oil, 1.00**9**il**icos**pe1**0il**ml1s**/200**@ests, 10ns1sysioge0-S SIL-5000-S

Box/1 | Sterile: Yesx/1 | Sterile: Yes

Silicone Oil, 2.000 csts, 10ml syringe

Box/1 | Sterile: Yes

Silicone Oil, 2.000 csts, 10ml syringe

Silicone Oil, 2.000 csfs, 1 Offil springe

Box/1 | Sterile: Yes

Silicone Oil, 2.00**9**il**icsts**je1**0il**ml2s**Ør0@e**sts, 10ml syringe

Box/1 | Sterile: Yes



icone Oil, 5.00**9**il**isətə**ne1**0il**n15s**0000je**sts, 10ml syringe

Box/1 | Sterile: YEssx/1 | Sterile: Yes

2000-S SIL-2000-S

42



SIL-2000-S

Silicone Oil

Ref. SIL-2000-S

"Since DORC launched their Silicone oil 2000, I have switched from the 5000 cSt silicone oil to the 2000 cSt. The main reason for switching is the fact that both - injection and extraction - are much easier and faster with the Silicone oil 2000. Also, when using the cannula system and silicone oil you always have some oil that sticks to the metal of the cannula. Although this is also the case with the Silicone oil 2000, the removal is much easier. For me the effi ciency of injecting and removing of the 2000 cSt oil is obvious."

Prof. Anne-Catherine Gribomont, Vitreoretinal surgeon at UCL St Luc, Brussels, Belgium

Features & Benefits:

- Single compound oil
- Narrow viscosity range
- Highly purified
- Low levels of emulsification
- Available in 10ml syringe
- Faster to infuse/extrude than 5000cSt oil

PFCL

PFCd5-DEC Eftiar Decalin, vial 5ml perfluoro-Decalin Eftiar Decalin, vial 7ml Perfluoro-Decalin EFT-07-DEC Box/1 | Sterile: Yes Box/1 | Sterile: Yes Eftiar Decalin, vial 5ml perfluoro-Decalin Eftiar Decalin, vial 7ml Perfluoro-Decalin EFT-05-DEC EFT-07-DEC Box/1 | Sterile: Yes Box/1 | Sterile: Yes DOR **PFCL** Eftiar Decalin, vial 5ml perfluoro-Decalin Eftiar Decalin, vial 7ml Perfluoro-Decalin EFT-05-DEC EFT-07-DEC Box/1 | Sterile: Yes Box/1 | Sterile: Yes PFCL Eftiar Octane, vial 5ml Perfluoro-Octane Eftiar Octane, vial 7ml Perfluoro-Octane EFT-05-OCT EFT-07-OCT Eftiar Decalin, vial 5ml perfluoro-Decalin Eftiar Decalin, vial 7ml Perfluoro-Decalin EFT-05-DEC EFT-07-DEC Eftiar Octane, vial 5ml Perfluoro-Octane Box/1 | Sterile: Yes Eftiar Octane, vial 7ml Perfluoro-Octane EFT-05-OCT EFT-07-OCT Box/1 | Sterile: Yes Box/1 | Sterile: Yes Eftiar Octane, vial 5ml Perfluoro-Octane Eftiar Octane, vial 7ml Perfluoro-Octane EFT-05-OCT EFT-07-OCT Box/1 | Sterile: Yes Box/1 | Sterile: Yes EFTIAR Octane 7ml syringe EFT-OCT5-S EFTIAR Octane 5ml syringe EFT-OCT7-S Box/1 | Sterile: Yes Box/1 | Sterile: Yes Eftiar Octane vial 5ml Perfluoro-Octane Eftiar Octane vial 7 ml Perfluoro-Octane EFTIAR Octane 7 ml syringe EFT-05-OCT EFT-OCT5-S EFT-07-OCT EFT-OCT7-S Box/1 | Sterile: Yes Box/1 | Sterile: Yes Box/1 | Sterile: Yes Box/1 | Sterile: Yes EFTIAR Octane 7ml syringe EFT-OCT5-S EFTIAR Octane 5ml syringe EFT-OCT7-S Box/1 | Sterile: Yes Box/1 | Sterile: Yes EFT-DEC5-S EFTIAR Decalin 5ml syringe EFT-DEC7-S EFTIAR Decalin 7ml syringe Box/1 | Sterile: Yes Box/1 | Sterile: Yes EFTIAR Octane 5ml syringe EFTIAR Decalin 5ml syringe EFTIAR Octane 7ml syringe EFTIAR Decalin 7ml syringe EFT-OCT5-S EFT-DEC5-S EFT-DEC7-S Box/1 | Sterile: Yes Box/1 | Sterile: Yes Box/1 | Sterile: Yes Box/1 | Sterile: Yes EFTIAR Decalin 5ml syringe EFTIAR Decalin 7ml syringe EFT-DEC5-S EFT-DEC7-S Box/1 | Sterile: Yes Box/1 | Sterile: Yes EFT-DEC5-S EFTIAR Decalin 5ml syringe EFT-DEC7-S EFTIAR Decalin 7ml syringe Box/1 | Sterile: Yes Box/1 | Sterile: Yes

OCUGAS

GAS-SF6-S

OCUGAS SF6

Box/1 | Sterile: Yes

GAS-SF6-S



OCUGAS SF6

Box/1 | Sterile: Yes

- Single use 100% SF6 ready for mixing
- Non-pressurized gas container
- Exterior sterility for optimised ease of use
- Flexibility to create gas-air combination according to requirements of surgery

ACCESSORIES

neurophilo and following florid commettee

ACCESSORIES

EFD.06

Eftiar Dual Bore Cannula.(23 gauge / 0.6 mm)

Box/5 | Sterile: Yes

1362.D

Disposable pack for viscous fluid extraction.

Box/6 | Sterile: Yes



- For simultaneous infusion of heavy liquids and aspiration of intraocular
- Dual bore enables surgeon to control constant intraocular pressure during injection.



1362.VFE

High Flow Viscous Fluid Extraction. Suitable For 20/23/25/27G DORC Cannula Systems

Box/5 | Sterile: Yes



1272.HSE06

Heavy Silicone Oil Extraction cannula 23G

Box/6 | Sterile: Yes



- Quick & safe removal of 1000-5000 cst silicone oil
- Shortens silicone removal with factor 3-5x!



- Adapted specifically for Heavy Silicone Oil Removal
- Longer cannula for easier removal of heavy density liquids



23G Heavy Silicone Oil Extraction Cannula

Ref. 1272.HSE06

"The 10mm cannula is the optimum length to maintain contact with the silicone oil bubble whilst delivering a steady flow of oil during extrusion. Maintaining contact with the bubble is critical to removing heavy oil in a single step and avoid breaks in the bubble leaving smaller oil bubbles on the retina.

This cannula is the result of collaboration between DORC and VR surgeons - showing how small product enhancements can make life easier for VR surgeons!"

Features & Benefits:

- · For extraction of heavy silicone oil
- 10mm long metal tip
- With Luer lock connector



Dr. Andreas Mohr, head of Ophthalmology Department at St. Joseph - Stift Hospital, Bremen, Germany Box/5 | Sterile: Yes



Disposable Dual Bore PFC Cannula Disposable Dual Bore PFG Cannula

Box/5 | Sterile: Yes

Disposable Dual Bore PFC Cannula

- 20 gauge / 0.9 mm For simultaneous infusion of heavy liquidsandterile: Yes aspiration of intraocular fluids.
- Dual bore enables surgeon to control constant intraocular pressure during

DISPOSABILE FOR TREE CTOMEYOR DE LA SESUS AND

DISPOSABLE-VITRECTOMY

1284.DD

1284.FD

1284.FD

Facilitates visu

DISABLE VITRECTOM LET SES pressure during

DISPOSABLE VITRECTOMY Lisposable Wittertomy Lens: Flot rectomy: Lens: Flat

Box/5 | Sterile: Yes

Disposable Vitrectomy Lens: Flat

Box/5 | Sterile: Yes

Disposable Vitrectomy Lens: Magnifying

Box/5 | Sterile: Yes Facilitates visualization of central fundus.

fundus.

Facilitates visualization of central fundus.

Disposable Vitrectomy Lens: Magnifying 1284.FD

Facilitates visualization of central fundus. Disposable Vitrectomy Lens: Magnifying

Box/5 | Sterile: Yes

Disposable Vitrectomy Lens: Magnifying Facilitates visualization of central vitreous and fundus.

Box/5 | Sterile: Yes

Disposable Vitrectomy Lens: 30° Prism 1284.ID Box/5 | Sterile: Yes

Facilitates visualization or central vitreous and fundus.

Facilitates visualization of central vitreous and fundus. Disposable Vitrectomy Lens: 30° Prism 1284.ID

#229/Hales visualization of central vitreous apisposables.Vitrectomy.Lenss 30 ile.Prism

Box/5 | Sterile: Yes

Disposable Vitrectomy Lens: 30° Prism 1284.ID

Facilitates visualization of the periphery beyond the equator $_{\mbox{\footnotesize{Box/5}}}$ | Sterile: Yes

periphery beyond the equator. Facilitates visualiz

Facilitates visualization of the periphery beyond the equator.

Box/5 | Sterile: Yes

Box/5 | Sterile: Yes

Box/5 | Sterile: Yes

1284.ED

1284.ED

1284.ED

For Air-Fluid e

1284.GD

For Air-Fluid exchange.

For Air-Fluid exchange.

1284.GD

ForsAir Flyid exchange.

Disposable Vitrectomy Lens: Wide View Box/5 | Sterile: Yes

Disposable Vitrectomy Lens: Biconcave

Disposable Vitrectomy/LensstBiconcave

Disposable Vitrectomy Lens: Biconcave

Disposable Vitrectomy Lens: Wide View Disposable Vitrectomy, Lens: SWide: View

Box/5 | Sterile: Yes

Disposable Vitrectomy Lens: Wide View 1284.GD

Facilitates visualization of central posterior fundus and vitreous/5 | Sterile: Yes

Facilitates visualization or central posterior fundus and vitreous.

Facilitates visualization of central posterior fundus and vitreous

Facilitates visualization of central posterior fundus and vitreous.



Disposable Vitrectomy Lens: Flat

Facilitates visualization of central fundus

Ref. 1284.DD

"This flat round lens without scleral stabilization feet adapts well to the cornea, there is no sliding. It has a perfect image quality with the needed magnification, which gives a precise vision of the ILM between the vascular arcades.

This disposable lens allows clear vision in every surgery. It is one of the best macula lenses nowadays."

Other disposable lenses available:

- Disposable Vitrectomy Lens: 30° Prism (Ref. 1284.ID)
- Disposable Vitrectomy Lens: Wide View (Ref. 1284.GD)
- Disposable Vitrectomy Lens: Magnifying (Ref. 1284.FD)
- Disposable Vitrectomy Lens: Biconcave (Ref. 1284.ED)



Dr. Marta Álvarez Holgado I University Hospital of Getafe, Madrid, Spain

ECKARDT TEMPORARY KERATOPROSTHESIS

ECKARDT TEMPORARY KERATOPROSTHESIS

Box/1 | Sterile: No

1285.2

1285.1 Eckardt temporary keratoprosthesis, Ø 7 mm, 2.8 mm depth



Box/1 | Sterile: No

For a-phakic eyes.Intended for temporary use in eyes with corneal opacities during retinal surgery.

For a phakic eyes. Intended for temporary use in eyes, with corneal opacities 1285.5 during retinal surgery.

Box/1 | Sterile: No

1285.5 Eckardt temporary keratoprosthesis, Ø 8 mm, 2.5 mm depth

Box/1 | Sterile: No



For a-phakic eyes.Intended for temporary use in eyes with corneal opacities during retinal surgery.

Eckardt temporary keratoprosthesis, Ø 7 mm, 1.6mm depth

Box/1 | Sterile: No

1285.2 Eckardt temporary keratoprosthesis, Ø 7 mm, 1.6mm depth



Box/1 | Sterile: No

For phakic eyes.Intended for temporary use in eyes with corneal opacities during retinal surgery.

For phakic eyes.Intended for temporary use in eyes with corneal opacities during retinal surgery.

Notes:

Notes:	
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For additional information please contact: D.O.R.C. Dutch Ophthalmic Research Center (International) B.V. Scheijdelveweg 2, 3214 VN Zuidland, The Netherlands

> Phone: +31 181 45 80 80 Fax: +31 181 45 80 90 E-mail: sales@dorc.eu

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