

Endothelial Punch

This mechanical device gives an excellent donor corneal button punched out from the endothelial side of corneoscleral button.

Features

- | Universal - Any size of trephine from 6 mm to 11 mm can be fitted
- | Precentered - The trephine and the teflon block are automatically centered for all sized trephines
- | Spring Recoil - After completion of the cut, the trephine retracts back with inbuilt spring system
- | Sterilization - Endothelial Punch can be sterilized by autoclaving or EO gas
- | Each set consists of two plungers



Product Code	Description	Qty. per box
MIPL/N1	Endothelial Punch	1 pc.

Disposable Corneal Trephine

Nanoedge corneal trephines are ready-to-use circular blades designed for accurate cutting of corneal donor buttons to be used in penetrating keratoplasty.



- | An ultrasharp thin profile cutting edge minimizes damage to the endothelial cells
- | Designed for a precise and symmetrical cut of the corneal tissue
- | See through design helps in accurate positioning
- | Can be used with or without an endothelial punch
- | Innovative protective packaging to ensure safety of the cutting edge
- | EO Sterile
- | CE certified

Product Code	Description	Qty. per box (Sterile)
MIPL/C1/6.00	6.00 mm Diameter	1 pc.
MIPL/C1/6.50	6.50 mm Diameter	1 pc.
MIPL/C1/7.00	7.00 mm Diameter	1 pc.
MIPL/C1/7.25	7.25 mm Diameter	1 pc.
MIPL/C1/7.50	7.50 mm Diameter	1 pc.
MIPL/C1/7.75	7.75 mm Diameter	1 pc.
MIPL/C1/8.00	8.00 mm Diameter	1 pc.
MIPL/C1/8.25	8.25 mm Diameter	1 pc.
MIPL/C1/8.50	8.50 mm Diameter	1 pc.
MIPL/C1/8.75	8.75 mm Diameter	1 pc.
MIPL/C1/9.00	9.00 mm Diameter	1 pc.
MIPL/C1/9.50	9.50 mm Diameter	1 pc.
MIPL/C1/10.00	10.00 mm Diameter	1 pc.
MIPL/C1/10.50	10.50 mm Diameter	1 pc.
MIPL/C1/11.00	11.00 mm Diameter	1 pc.
MIPL/C1/12.00	12.00 mm Diameter	1 pc.
MIPL/C1/14.00	14.00 mm Diameter	1 pc.
MIPL/C1/16.00	16.00 mm Diameter	1 pc.
MIPL/C1/18.00	18.00 mm Diameter	1 pc.

Teflon Block

The corneo sclera tissue is placed over the Teflon block and the donor button then punched out.

- | Aspheric curvature to match corneal curvature
- | Central hole helps in accurate positioning
- | Can be used with or without an endothelial punch
- | EO Sterile
- | CE certified

Product Code	Description	Qty. per pack
MIPL/D12	Teflon Block (30 mm)	10 pc. (Sterile)



Suction Trepphine

The Nanoedge suction trephine is designed to take out a circular corneal button of predetermined diameter from the recipient cornea in a corneal transplant (Keratoplasty) procedure. The cutting action of the circular blade is assisted by a manual suction mechanism, which holds the recipient cornea firmly while the cutting is being performed.



NANOedge
Ophthalmic Blades

Product Code	Description	Qty. per box (Sterile)
MIPL/C2/7.00	7.00 mm Diameter	1 pc.
MIPL/C2/7.25	7.25 mm Diameter	1 pc.
MIPL/C2/7.50	7.50 mm Diameter	1 pc.
MIPL/C2/7.75	7.75 mm Diameter	1 pc.
MIPL/C2/8.00	8.00 mm Diameter	1 pc.

- | A 360° suction cavity creates a vacuum to hold the trephine securely on to the surface of the cornea
- | A precisely calibrated rotating mechanism allows the surgeon to advance the blade depth 0.25mm with each 360° rotation
- | 1 Quarter turn = 0.063mm (63 microns)
- | Ultra sharp blade minimizes damage to the endothelial cells and reduces undercut
- | Marker pin on the non-reflective trephine base allows the user to calculate the quarter and full turns through which the blade has progressed
- | Designed to give a consistently accurate, uniform and perpendicular cut
- | Very economically priced
- | EO Sterile
- | CE certified

Artificial Anterior Chamber

Artificial anterior chamber allows the surgeon to cut the donor cornea from the epithelial side to minimize surgically induced astigmatism.

- | It is designed to hold a 14 to 18 mm diameter scleral rim firmly in place while the viscoelastic protects the corneal endothelium
- | Applications of artificial anterior chamber
 - ALK (Anterior Lamellar Keratoplasty)
 - PLK (Posterior Lamellar Keratoplasty)
 - DLEK (Deep Lamellar Endothelial Keratoplasty)
 - DSEK (Descemet's Stripping Endothelial Keratoplasty)
 - Penetrating Keratoplasty from MK medium preserved corneo sclera button
- | Made in titanium for long life and multiple uses
- | Sterilization – can be sterilized by autoclaving or EO gas



Product Code	Description	Qty. per box
MIPL/N6	Artificial Anterior Chamber	1 pc.