

Barron Artificial Anterior Chamber



*The world's first
sterile, disposable
Artificial Anterior Chamber!*

This new disposable artificial A/C is a companion to the Barron Radial Vacuum Trephine. This device 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 18mm dia. scleral rim firmly in place, while viscoelastic protects the corneal endothelium.

Cutting the cornea from the epithelial side more closely approximates the angle of cut obtained with the Barron Trephine in the recipient cornea.

The A/C has two ports with pinch clamps for infusing viscoelastic, BSS or air. Its bright blue color provides a contrasting background for visualizing the cornea.

The Barron Trephine is used with the A/C for either lamellar or penetrating grafts.



Note: An optional stainless steel base is available to stabilize the A/C for lamellar dissection.

Ordering Information

Products are packaged sterile for single use

Barron Radial Vacuum Trephine

K20-2050	6.0mm	K20-2058	8.0mm
K20-2052	6.5mm	K20-2059	8.25mm
K20-2054	7.0mm	K20-2060	8.5mm
K20-2056	7.5mm	K20-2062	9.0mm
K20-2057	7.75mm		

Barron Vacuum Donor Cornea Punch

K20-2100	6.0mm	K20-2108	8.0mm
K20-2102	6.5mm	K20-2109	8.25mm
K20-2103	6.75mm	K20-2110	8.5mm
K20-2104	7.0mm	K20-2111	8.75mm
K20-2105	7.25mm	K20-2112	9.0mm
K20-2106	7.5mm	K20-2114	9.5mm
K20-2107	7.75mm		

Barron Donor Cornea Punch

K20-2070	6.0mm	K20-2078	8.0mm
K20-2072	6.5mm	K20-2079	8.25mm
K20-2073	6.75mm	K20-2080	8.5mm
K20-2074	7.0mm	K20-2081	8.75mm
K20-2075	7.25mm	K20-2082	9.0mm
K20-2076	7.5mm	K20-2084	9.5mm
K20-2077	7.75mm		

Barron Artificial Anterior Chamber

K20-2125	Anterior Chamber, sterile, disposable
K20-2126	Stainless Steel Base, autoclavable



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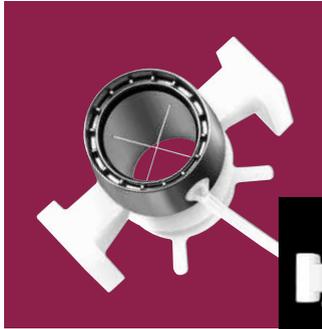


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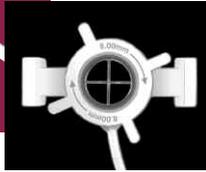
The Barron Corneal Transplant System

**Vacuum Trephine
Vacuum Punch
Artificial Anterior Chamber**

Barron Radial Vacuum Trephine



With 16 individual vacuum chambers for a more perpendicular cut!

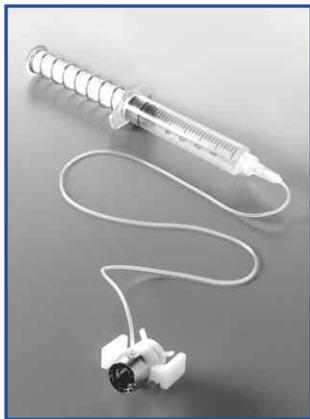


is a consistently accurate, uniform and perpendicular cut. The 16 radial divisions leave a

symmetrical pattern on the recipient bed for accurate alignment of sutures to avoid surgically induced astigmatism. These divisions may be inked with a sterile marking pen to be clearly visible for the duration of the surgical procedure.

The heart of this trephine is a solid stainless steel blade, micro honed for a superior cutting edge.

Fine cross hairs are provided for accurate alignment with the visual axis of the recipient. A precisely calibrated rotating mechanism allows the surgeon to advance the blade depth 0.25mm with each 360° rotation. Thus, the trephine is ideally suited for lamellar or penetrating keratoplasty.



Each sterile disposable trephine set is supplied completely assembled and ready for use.

Barron Vacuum Donor Cornea Button Punch

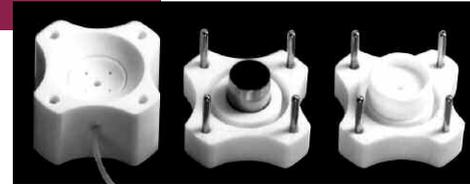


Vacuum fixates the tissue for a perfectly round cut!

The Barron Vacuum Donor

Cornea Punch features a super sharp, precision honed solid stainless steel blade. The blade is mounted in a white nylon housing with four steel guide posts. The posts are perfectly aligned with four corresponding holes in the cutting block base, thus automatically centering the blade over the donor cornea.

While all conventional donor button punches have a cutting base with a concave well to accommodate the curvature of the average human cornea, not all corneas are average.



Cutting Block

Trephine Blade

Seating Ring

In such cases, it is possible for the cornea to move during the cutting process, producing an oval instead of a round button.

The base of this new punch features a circular groove for aspirating the epithelial side of the cornea and immobilizing it for cutting the button. The seating ring is used to insure complete contact between peripheral cornea and aspirating groove for positive vacuum. Immobilizing the donor cornea in this manner allows the surgeon

to cut a perfectly round button from the center of the cornea every time.

The cutting block well is provided with four small holes which may be inked with a sterile marking pen to identify the four quadrants of the cornea for cardinal suture alignment with the recipient bed.

All component parts are identified with the blade diameter. A full range of sizes in 0.25mm increments is available.



Each sterile disposable punch set is supplied completely assembled and ready for use.

Barron Punch



The original Barron Corneal Donor Button Punch will continue to be available for those who do not wish to use the vacuum punch. It encompasses all of



the features of the new vacuum punch, except for vacuum fixation. All component parts are identified with the blade diameter. A full range of sizes in 0.25mm increments is available.

see back page for ordering information.