

Single-Use Instruments



Single-Use Vacuum Trephine Corneal Vacuum Punch Artificial Chamber for vacuum trephine



Redefining precision trephination
for recipient and donor corneas



Single-Use Adjustable Vacuum Trephine

Moria has delivered what corneal surgeons have been asking for: a single-use vacuum trephine (#17202) designed to produce straight-walled cuts for penetrating and lamellar keratoplasty.

■ Central flattening for straight-walled cuts

- Cornea is maintained during trephination, inside and outside the blade
- Flattening system conforms perfectly to the cornea
- Limbal suction for greater efficiency
- Very thin, symmetrical blade

■ Precise cut¹⁻²

Adjustment ring enables setting the blade descent depth in 50-micron increments, from 200 to 1200µm.

■ Larger vacuum surface

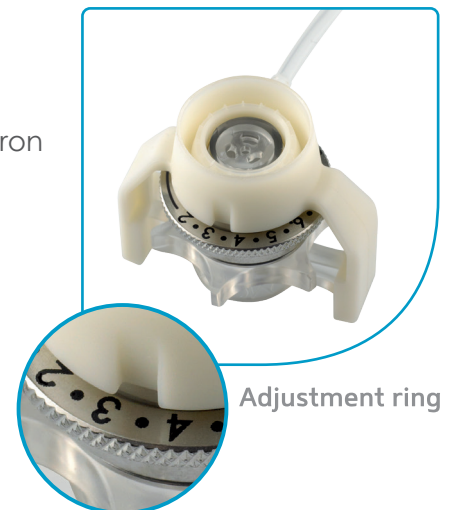
Vacuum surface and the suction strength 3 times greater than other single-use trephines.

■ Accurate centration indicator

Transparent centration indicator ensures optimal positioning and no parallax errors.

■ Good ergonomics

For surgical procedures in which the adjustment ring is not used, a simplified single-use vacuum trephine is also available (#17201).



Adjustment ring



1 Fenzl CR, Gess AJ, Moshirfar M. Accuracy of corneal trephination depth using the Moria single-use adjustable depth vacuum trephine system. *Clin Ophthalmol.* 2014;8:2391-2396

2 Busin M, Scorcia V, Leon P, Nahum Y. Outcomes of air injection within 2 mm inside a deep trephination for Deep Anterior Lamellar Keratoplasty in eyes with keratoconus. *Am J Ophthalmol.* 2016;164(4):6-13



**For optimal donor trephination
from epithelial side**

The Single-Use Adjustable and not Adjustable Vacuum Trephine can be used on the Moria Single-Use Artificial Chamber (#17204) to cut the donor cornea from the epithelial side.

■ Donor-recipient match

Cutting the donor and recipient tissue with the same trephine reduces shape disparity, and may induce less astigmatism³.

■ Consistent, straight-walled cuts

Facilitate graft placement.

■ Single-use trephine available in 14 diameters:

- 6.00 mm
- from 6.50 à 9.00 mm: in 0.25 mm increments
- 9.50 and 10.00 mm





Single-Use Corneal Vacuum Punch

The ONE® corneal vacuum punch (#17200) features a 2-piece design with an ultra-sharp pre-loaded blade and is supplied with a spring-loaded syringe. **Easy to set up and very precise, it produces straight-walled cuts for Penetrating and Lamellar Keratoplasty.**

■ Single-use punch available in 13 diameters

- 6.00 mm
- from 6.50 à 9.50 mm: in 0.25 mm increments

■ 3 Top lateral windows

The lateral windows on top of the trephine blade housing allow an optimal visibility grasping and gentle manipulation of the sclera, with a tooth forceps, in order to detach the donor corneal button from the remaining sclera.

■ 21 vacuum holes

Facilitate obtaining vacuum and distributing it evenly over the cornea, preventing shifting during trephination.

■ Four cardinal holes

Simplify centration of the graft. A marking pen may be used in these holes to produce reference marks for lamellar procedures.

To obtain more information



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