Single-Use Instruments

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

Redefining precision trephination for recipient and donor corneas
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 cut**
  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).
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 astigmatism.

- **Consistent, straight-walled cuts**
  Facilitate graft placement.

- **Single use trephine available in 14 diameters:**
  
  From 7.00 mm to 9.00 mm (in 0.25 mm increments) and 9.50 mm.
  **New diameters:** 6.00, 6.50, 6.75 and 10.00 mm
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.

- **Diameters from 6.00 to 9.50 mm**
  
  New diameters: 6.00, 6.50 and 6.75 mm

- **Top lateral window**
  
  The lateral window on top of the trephine blade housing allows grasping and gentle manipulation of the sclera, with a tooth forceps, in order to detach the donor corneal button from the remaining sclera.

- **20 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.