MOLTENO 3
185 mm² Glaucoma implant
Smaller plate – more surgical options

**Smaller footprint, yet clinically demonstrated to be:**
- As effective as Baerveldt® 250 mm² implant in short and long term reduction of IOP¹
- Equally as effective as the larger Molteno3® 245 mm² implant²

**Smaller size – more implant placement options³:**
- Single quadrant placement
- Sub, intra, and supra-Tenon’s placement options

**Easier access for suturing:**
- Anterior hole suture placement

**Easier placement of the plate:**
- Lower profile ridge with streamlined contour and edge detail

**Simplified closure:**
- Reduced angle profile
**Pressure ridge mechanics:**

*Designed to confine aqueous to the primary drainage space:*
- Reduces hypotony in cases where immediate drainage is required
- Initial function similar to a drainage implant but with a small surface area
- Reduced complications from excessive early filtration

*Aqueous filters through the bleb lining in the primary drainage area:*
- Stimulates collagen deposition
- Impedes flow of aqueous resulting in pressure rise in primary drainage area
- Combined effect creates intolerable environment for fibroblasts
- Fibroblast apoptosis releases potent mediators and triggers a cascade of anti-fibrotic effects $^{4,5}$

**Gradual increase in pressure elevates the tissues over the ridge:**
- Aqueous infused with anti-fibrotic mediators flows into main bleb
- Anti-inflammatory properties and collagen degradation promotes a permeable bleb over the long-term

---

**About bleb management:**

**Pressure ridge:**
- Used together with tube ligation
- Intended to assist the process of bleb management

**Pressure ridge is positioned under posterior Tenon’s capsule:**
- Establishes a dynamic two stage bleb
- Moderates the effects of hypotensive and hypertensive stages of bleb formation

**Absorbable ligating suture dissolves or is released manually:**
- Aqueous releases into the pre-formed bleb system
- Designed to reduce the risk of hypotony $^{6,7,8}$

**Venting the tube with “Sherwood” slits:**
- Allows aqueous to drain under the patch graft prior to dissolution of ligating suture
- Facilitates the development of a pre-formed tissue capsule
Ordering information

Molteno3® Glaucoma Implant

<table>
<thead>
<tr>
<th>Description</th>
<th>Item #</th>
</tr>
</thead>
<tbody>
<tr>
<td>185 mm²</td>
<td>M3-185</td>
</tr>
<tr>
<td>245 mm²</td>
<td>M3-245</td>
</tr>
</tbody>
</table>

*Tutoplast®-*The patch graft standard for:

- Drainage implant and/or valve implantation
- Repair of leaking and/or overfiltering bleb
- Repair of corneo-scleral fistulas

<table>
<thead>
<tr>
<th>Tissue</th>
<th>Description</th>
<th>Item #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pericardium</td>
<td>1.5 x 1.5cm</td>
<td>68250</td>
</tr>
<tr>
<td>Sclera</td>
<td>0.5 x 0.8cm</td>
<td>68333</td>
</tr>
<tr>
<td>Clear Cornea</td>
<td>1/3 Cornea</td>
<td>68329</td>
</tr>
</tbody>
</table>

Surgical instruments

<table>
<thead>
<tr>
<th>Description</th>
<th>Item #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mini Westcott Scissors</td>
<td>K4-3200</td>
</tr>
<tr>
<td>Fechtner Conjunctiva Forceps</td>
<td>K5-1820</td>
</tr>
<tr>
<td>Diamond Step Knife - 10 facet</td>
<td>K2-6548</td>
</tr>
<tr>
<td>Tennant Tying Forceps, straight</td>
<td>K5-5220</td>
</tr>
<tr>
<td>Tennant Tying Forceps, curved</td>
<td>K5-5230</td>
</tr>
<tr>
<td>Barraquer Needle Holder, curved</td>
<td>K6-3310</td>
</tr>
</tbody>
</table>

For more information, or to place an order, contact your local representative.

*Molteno® and Molteno3® are registered trademarks of Molteno® Ophthalmic LTD
*Tutoplast® is a registered trademark of Tutogen Medical
*Baerveldt® is a registered trademark of Abbott Medical Optics