Cytoplast® Dense PTFE Membranes

The micro-structured T250 and T250XL Single sizes provide a randomized surface to increase the available area for cellular attachment without increasing porosity (200 microns thick):

- patented Regenex™ surface for increased mobility
- impervious to bacteria (membrane pores size less than 0.2 microns)
- designed to withstand exposure
- non-surgical removal when left exposed
- for socket grafting and grafting where primary closure is not possible

- increasing porosity
- surface to increase the area available for cellular attachment without
- non-surgical removal when left exposed
- for socket grafting and grafting where primary closure is not possible

Dense PTFE Membranes

The traditional frame design, incorporating delicate and strategically placed titanium "struts", has more than 25 years of clinical history and successful use in guided bone regeneration. Cytoplast® T250 membranes provide a wide range of coverage solutions for cases involving extraction sites, bony defects, and ridge augmentation (250 microns thick):

- creates space for defects missing 1-3 bony walls
- variety of sizes for a variety of defects
- easily trimmed to fit a variety of defects
- primary closure and fixation is generally recommended

Cytoplast® Titanium-Reinforced Dense PTFE Membranes

- manufactured using 100% non-resorbable, medical grade PTFE for a biologically inert suture that prevents bacterial wicking into surgical sites
- 300 series stainless steel needle, provides a substantial increase in needle strength as well as initial and sustained needle sharpness
- soft monofilament ensures little to no package memory for excellent handling, secure knots and increased patient comfort

ordering information

OG-TXT200D-1 Cytoplast™ T200 Singles
OG-TXT200D-2 Cytoplast™ T200 Singles (pack of 10)
OG-TXT210D-1 Cytoplast™ T210 Singles
OG-TXT210D-2 Cytoplast™ T210 Singles (pack of 10)

ordering information and applications

OG-TI250PD-2 Ti-250 Anterior Narrow (pack of 2)
12mm x 20mm
Coverage of narrow single tooth extraction sites, especially where one bony wall is missing

OG-TI250PD-1 Ti-250 Anterior Narrow Single
12mm x 20mm
Coverage of single tooth extraction sites

OG-TI250ATC-2 Ti-250 Anterior Trans Crestal
24mm x 30mm
Designed for heavy deflections, bony adjacent teeth including ridge augmentation

OG-TI250PL-2 Ti-250 Posterior Large
25mm x 30mm
Sized to cover very large bony defects, including ridge augmentation

OG-TI250PST-2 Ti-250 Posterior Singles
20mm x 25mm
Coverage of single-tooth extraction sites, especially where one or more bony walls are missing

OG-TI250PS-2 Ti-250 Posterior Singles T2
17mm x 25mm
Coverage of single-tooth extraction sites, especially where one bony wall is missing

OG-TI250PS-1 Ti-250 Posterior Single
14mm x 24mm
Coverage of narrow single-tooth extraction sites, especially where one bony wall is missing

Cytoplast® Dense PTFE Membrane size reference

Titanium-Reinforced Dense PTFE Membrane size reference

OG-TI250PD-2 Ti-250 Anterior Narrow (pack of 2)
12mm x 20mm
Coverage of narrow single tooth extraction sites, especially where one bony wall is missing

OG-TI250PD-1 Ti-250 Anterior Narrow Single
12mm x 20mm
Coverage of single tooth extraction sites

OG-TI250ATC-2 Ti-250 Anterior Trans Crestal
24mm x 30mm
Designed for heavy deflections, bony adjacent teeth including ridge augmentation

OG-TI250PL-2 Ti-250 Posterior Large
25mm x 30mm
Sized to cover very large bony defects, including ridge augmentation

OG-TI250PST-2 Ti-250 Posterior Singles
20mm x 25mm
Coverage of single-tooth extraction sites, especially where one or more bony walls are missing

OG-TI250PS-2 Ti-250 Posterior Singles T2
17mm x 25mm
Coverage of single-tooth extraction sites, especially where one bony wall is missing

OG-TI250PS-1 Ti-250 Posterior Single
14mm x 24mm
Coverage of narrow single-tooth extraction sites, especially where one bony wall is missing

Cytoplast® PTFE Sutures

- manufactured using 100% non-resorbable, medical grade PTFE for a biologically inert suture that prevents bacterial welding into surgical sites
- 300 series stainless steel needle, provides a substantial increase in needle strength as well as initial and sustained needle sharpness
- soft monofilament ensures little to no package memory for excellent handling, secure knots and increased patient comfort

ordering information

OG-CS-0615RC S S Circle Precision Reverse Cutting, LMP 6-0
10mm

OG-CS-0615PREM S S Circle Precision Reverse Cutting, LMP 6-0
10mm

OG-CS-0515B S S Circle Reverse Cutting, LMP 5-0
10mm

OG-CS-0515 S S Circle Reverse Cutting, LMP 5-0
10mm

OG-CS-0519S S S Circle Reserve Cutting, LMP 5-0
5mm

OG-CS-0619S S S Circle Reserve Cutting, LMP 6-0
5mm

OG-CS-0518 S S Circle Reserve Cutting, LMP 5-0
5mm

OG-CS-0618S S S Circle Reserve Cutting, LMP 6-0
5mm

OG-CS-0618RC S S Circle Precision Reverse Cutting, LMP 6-0
10mm

OG-CS-0618PREM S S Circle Precision Reverse Cutting, LMP 6-0
10mm

OG-CS-0518S S S Circle Reserve Cutting, LMP 5-0
5mm

OG-CS-0519 S S Circle Reverse Cutting, LMP 5-0
5mm

OG-CS-0619 S S Circle Reserve Cutting, LMP 6-0
5mm

OG-CS-0619S S S Circle Reserve Cutting, LMP 6-0
5mm

OG-CS-0618 S S Circle Reserve Cutting, LMP 6-0
5mm

OG-CS-0618RC S S Circle Precision Reverse Cutting, LMP 6-0
10mm
Cytoplast dense PTFE membranes became an industry leader with enhancements such as Regentex textured surface technology, multiple shapes and sizes, simple atraumatic removal and optional titanium reinforcement.

**Performance**

SEM views of Cytoplast™ TXT-200 textured high-density PTFE membrane. The hex shaped dimples increase the surface area available for soft tissue attachment. Parallel grooves and fibrils (A) play a role in cell migration and attachment. At high power, nanoscale pores (B) can be visualized. Presence of 0.3 microns prevent the migration of bacteria into the membrane, yet allow diffusion of small organic molecules and oxygen and are important in facilitating cellular adhesion and spreading.

**Predictability**

In two separate studies, treating a total of 696 extraction sites, there were zero reported infections using Cytoplast™ high-density PTFE membranes in an exposed technique.

**Efficacy**

![Graph showing efficacy results](image)

Soft tissue regeneration after extraction using the Cytoplast™ Technique for socket preservation.

<table>
<thead>
<tr>
<th>Membrane</th>
<th>Vertical Bone Loss (mm)</th>
<th>Horizontal Bone Loss (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Membrane</td>
<td>0.26</td>
<td>0.22</td>
</tr>
<tr>
<td>Cytoplast™ TXT-200</td>
<td>0.16</td>
<td>0.20</td>
</tr>
</tbody>
</table>

Measurements taken at time of extraction and 90 days post extraction.

Bone loss 1 year post extraction using the Cytoplast™ Technique for socket preservation.

<table>
<thead>
<tr>
<th>Membrane</th>
<th>Vertical Bone Loss (mm)</th>
<th>Horizontal Bone Loss (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Membrane</td>
<td>0.25</td>
<td>0.20</td>
</tr>
<tr>
<td>Cytoplast™ TXT-200</td>
<td>0.15</td>
<td>0.18</td>
</tr>
</tbody>
</table>

Vertical Bone Loss measured at crest. Loss of horizontal bone width measured from stent to buccal plate.

Cytoplast dense PTFE membrane became an industry leader with advancements such as Regentex textured surface technology, multiple shapes and sizes, simple atraumatic removal and optional titanium reinforcement.