**MONO-DOX®**

Monofilament Polydioxanone (PDO) Synthetic Absorbable Suture

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**DESCRIPTION**

Mono-Dox® is a polydioxanone (PDO) monofilament synthetic absorbable, sterile surgical suture prepared from the polyester, poly(p-dioxanone).

**CHARACTERISTICS**

Polydioxanone (PDO) exhibits:
- Extended holding strength
- Excellent handling, exceptional suppleness, and good knot security
- Non-wicking, which helps reduce bacterial migration along the suture line
- FDA-approved D&C Violet No. 2 color for better visibility during surgery

**INDICATIONS**

Monofilament Polydioxanone synthetic absorbable suture is indicated for use in soft tissue approximation and/or ligation, including use in pediatric cardiovascular and ophthalmic procedures. Polydioxanone suture is not indicated in adult cardiovascular tissue, microsurgery, and neurological tissue. This suture is particularly useful when the combination of an absorbable suture and extended wound support is desired.

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<table>
<thead>
<tr>
<th>Material</th>
<th>Color(s)</th>
<th>(BSR) Profile</th>
<th>Absorption Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>MONO-DOX®</td>
<td>Violet</td>
<td>75% @ 14 days</td>
<td>180 days</td>
</tr>
<tr>
<td></td>
<td></td>
<td>66% @ 28 days</td>
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<tr>
<td></td>
<td></td>
<td>53% @ 42 days</td>
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**CONTRAINDICATIONS**

These sutures, being absorbable, are not to be used where prolonged (beyond six weeks) approximation of tissue under stress is required and are not to be used in conjunction with prosthetic devices, i.e., heart valves, or synthetic grafts. Polydioxanone suture is not indicated in adult cardiovascular tissue, microsurgery and neural tissue.

**TENSILE STRENGTH**

Subcutaneous tissue implantation studies in rats indicate Mono-Dox® suture retains approximately 75% of initial tensile strength at 2 weeks, 66% at 4 weeks and 53% at 6 weeks post implantation.

**ABSORPTION**

Absorption begins as a loss of tensile strength without appreciable loss of mass. Absorption of Mono-Dox® sutures is minimal until about the 90th day post implantation and is essentially complete within 6 months.

**PACKAGING**

Mono-Dox® is available in USP sizes 7-0 through 2 (metric sizes 0.5-5). Mono-Dox® is available with needles in one dozen boxes, or in veterinary suture cassettes. Three dozen suture boxes available on customer request.

**COLOR**

Violet

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**CP MEDICAL**

**ETHICON**

PDS II^®

**COVIDIEN**

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**SHARPOINT / LOOK**

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