Surgical suture, absorbable, braided, Polyglactin 910

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Ind. price</th>
<th>Ship. weight</th>
<th>Ship. Vol.</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSNSABSB2R4</td>
<td>ABS, BRAID. VI, 2 US/5 E, 90 cm, n. 1/2-48 mm round, 372</td>
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<tr>
<td>MSNSABSB2RL</td>
<td>ABS, BRAID. VI, 2 US/5 E, 75 cm, n. 3/8-85 mm r., liver</td>
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<tr>
<td>MSNSABSB0R3</td>
<td>ABS, BRAID. VI, 0 US/3.5 E, 90 cm, n. 1/2-36.4 mm round, 346</td>
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<tr>
<td>MSNSABSB1R3</td>
<td>ABS, BRAID. VI, 1 US/4 E, 90 cm, n. 1/2-39.9 mm round, 359</td>
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<tr>
<td>MSNSABSB20R2</td>
<td>ABS, BRAID. VI, 2-0 US/3 E, 90 cm, n. 1/2-25.9 mm round, 243</td>
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<td>MSNSABSB2R4</td>
<td>ABS, BRAID. VI, 2 US/5 E, 90 cm, n. 1/2-48 mm round, 372</td>
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<tr>
<td>MSNSABSB30R1</td>
<td>ABS, BRAID. VI, 3-0 US/2 E, 70 cm, n. 1/2-18.5 mm round, 2150</td>
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<td>MSNSABSB30R2</td>
<td>ABS, BRAID. VI, 3-0 US/2 E, 70 cm, n. 1/2-21.8 mm round, 311</td>
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<tr>
<td>MSNSABSBL0</td>
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<tr>
<td>MSNSABSBL20</td>
<td>ABS, BRAIDED VI., LIGATURE 2-0 US/3 E, 140 cm, ref. 615</td>
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<td>MSNSABSBL30</td>
<td>ABS, BRAIDED VI., LIGATURE 3-0 US/2 E, 140 cm, ref. 614</td>
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</tbody>
</table>

Cold chain: Dangerous: Regulated:

General information

- Absorbable sutures are either sutures (thread mounted in a needle) for joining the edges of a wound or incision by stitching or ligatures (thread without needle) used to tie up a bleeding artery.

- Sutures for gastrointestinal, paediatric and general surgery

  MSNSABSB20R2    | ABS, BRAID. VI, 2-0 US/3 E, 90 cm, n. 1/2-25.9 mm round, 243 |
  MSNSABSB2R4     | ABS, BRAID. VI, 2 US/5 E, 90 cm, n. 1/2-48 mm round, 372 |
  MSNSABSB30R2    | ABS, BRAID. VI, 3-0 US/2 E, 70 cm, n. 1/2-21.8 mm round, 311 |

  for urology and plastic surgery: Gauge USP 4-0

  MSNSABSB30R1    | ABS, BRAID. VI, 3-0 US/2 E, 70 cm, n. 1/2-18.5 mm round,2150 |
  MSNSABSB40R1    | ABS, BRAID. VI, 4-0 US/2 E, 70 cm, n. 1/2-18.5 mm round,2140 |

  for suturing muscles and fascia: Gauge USP 2 & 1 & 0 (size 2 also for suturing wounds of the liver)

  MSNSABSB2R4     | ABS, BRAID. VI, 2 US/5 E, 90 cm, n. 1/2-48 mm round, 372 |
  MSNSABSB2RL     | ABS, BRAID. VI, 2 US/5 E, 75 cm, n. 3/8-85 mm r., liver |
  MSNSABSB0R3     | ABS, BRAID. VI, 0 US/3.5 E, 90 cm, n. 1/2-36.4 mm round, 346 |
  MSNSABSB1R3     | ABS, BRAID. VI, 1 US/4 E, 90 cm, n. 1/2-39.9 mm round, 359 |

- Ligatures are for tying off bleeding vessels: Gauge USP 0 & 2-0 & 3-0

  MSNSABSBL0      | ABS, BRAIDED VI., LIGATURE 0 US/3.5 E, 140 cm, ref. 616 |
  MSNSABSBL20     | ABS, BRAIDED VI., LIGATURE 2-0 US/3 E, 140 cm, ref. 615 |
  MSNSABSBL30     | ABS, BRAIDED VI., LIGATURE 3-0 US/2 E, 140 cm, ref. 614 |
Specifications

Material: Thread: Polyglactin 910 (copolymer composed of 90% glycoside and 10% L-lacticide)
Thread Coating: mixture of equal part of copolymer of glycoside and lactide (Poliglactin 370) and calcium stearate.
Needle: special treated stainless steel

Specifications: The purpose of a suture is to hold a wound together in good apposition until such time as the natural healing process is sufficiently well established to make the support from the suture material unnecessary and redundant.

Thread
The absorbable synthetic sterile thread, Polyglactin 910 (E.g.: Vicryl, violet-dyed, braided Ethicon) elicits a minimal acute inflammatory reaction in tissue and ingrowth of fibrous connective tissue.
Polyglactin 910 thread has progressive loss of tensile strength and eventual absorption occurs by means of hydrolysis, where the copolymer degrades to glycolic and lactic acids which are subsequently absorbed and metabolised in the body.
Coating: Braided material is often coated to decrease capillarity and to yield a smooth surface
Absorption begins as a loss of tensile strength followed by a loss of mass.
Vicryl is indicated for use in general soft tissue approximation and/or ligation, including use in ophthalmic procedures, but not for use in vascular or neurological tissues.
Tensile strength: post implantation
- 50% at 21 days
- 0% at 35 days
Absorption: Essentially completed between 56 and 70 days
Vicryl Rapid: Indicated for use in soft tissue approximation of the skin and mucosa where only short-term wound support is required.
Not intended for use in ligation, ophthalmic, cardiovascular, or neurological procedures.
Tensile strength: post implantation
- 50% at 5 days
- 0% at 12 days
Absorption: Essentially completed between 35 and 42 days
This braided coated multifilament, ensures adequate handling and knotting and the unique lubricant coating remains effectively bonded to the material throughout its use, ensuring smooth passage through tissue and easy knot tie-down.
Thread Gauge: is indicated in (USP) Unite State pharmacopoeia and (EP) the European pharmacopoeia

<table>
<thead>
<tr>
<th>USP size code</th>
<th>EP size code</th>
<th>Diameter min. max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-0</td>
<td>1</td>
<td>0.10 – 0.14</td>
</tr>
<tr>
<td>4-0</td>
<td>1.5</td>
<td>0.15 – 0.19</td>
</tr>
<tr>
<td>3-0</td>
<td>2</td>
<td>0.20 – 0.24</td>
</tr>
<tr>
<td>2-0</td>
<td>2.5</td>
<td>0.25 – 0.29</td>
</tr>
<tr>
<td>0</td>
<td>3</td>
<td>0.30 – 0.39</td>
</tr>
<tr>
<td>1</td>
<td>4</td>
<td>0.40 – 0.49</td>
</tr>
<tr>
<td>2</td>
<td>5</td>
<td>0.50 – 0.59</td>
</tr>
</tbody>
</table>

### Needles
- Type: eye less/attached needle, already mounted on the thread
- Point: round (non-cutting) have no edges to cut through tissue, used for suturing easily torn tissues such as peritoneum or intestine
- Shape: curvature degree is described in terms of circumference 1/2 - 3/8 of a circle.
- Length: available in different length: 18-48mm

### Key to read absorbable suture description
ABS, BRAID, VI, 2-0 US/3 E, 90 cm, n. 1/2-25.9 mm round, 243
- General description:
  - Absorbable suture: ABS
  - Thread type: Braided BRAID
  - Registered name: Vicryl VI
  - Thread Gauge according to US Pharmacopoeia: 2-0 US
    - European pharmacopoeia: 3 E
  - Tread length: 90cm
- Needle:
  - Shape: 1/2 circle = 1/2
  - Length: 25.9
  - Point: round (r.)

Manufacturer code Nr: example: Ethicon V 243 H 243
Tensile strength post implantation = 0 % at 35 days  
Absorption is completed between 56 and 70 days  
MSNSABSB2R4  
MSNSABSB2RL  
MSNSABSB0R3  
MSNSABSB1R3  
MSNSABSB20R2  
MSNSABSB2R4  
MSNSABSB30R2  
MSNSABSBL0  
MSNSABSBL20  
MSNSABSBL30  

Vicryl Rapid Tensile strength post implantation = 0 % at 12 days  
Absorption is completed between 32 and 45 days  
MSNSABSB30R1  
MSNSABSB40R1  

Liver suture has a 3/8 needle with a blunt point  
MSNSABSB2RL (Ref ASSUT 46468)

Packaging:  
Box with 36 singled packed (sutures or ligatures) each single pack with the following indications:
- Thread composition
- Thread Gauge size in USP and EP
- Needle type/size
- Sterilisation mode (ethylene oxide)
- Expiration date
- Batch number & supplier code Nr

Storage:  
Room temperature and protected against direct sunlight

Comments:  
**DO NOT RE-STERILIZE**  -  **DISCARD OPENED SINGLE PACKAGE and UNUSED sutures/ligatures**  
Re-sterilised causes material lose strength and pliability