Box size: 6.5 x 9
Overall size: 18 x 22
Folds to: 3 x 7.333

COVIDIEN

# V-Loc™ 90

## Absorbable Wound Closure Device

1303569

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**BEFORE USING PRODUCT, READ THE FOLLOWING INFORMATION THOROUGHLY.**

**IMPORTANT!**

This booklet is designed to assist in using this product. It is not a reference to surgical techniques.

This device was designed, tested and manufactured for single patient use only. Reuse or reprocessing of this device may lead to its failure and subsequent patient injury. Reprocessing and/or sterilization of this device may create the risk of contamination and patient infection. Do not reuse, reprocess or resterilize this device.

**DESCRIPTION**

The V-Loc™ 90 absorbable wound closure device consists of a barbed absorbable thread, armed with a surgical needle at one end and a loop end-effector at the other. The barb and loop end-effector design allows for the device to be anchored without the use of knots.

The V-Loc™ 90 absorbable wound closure device is prepared from a synthetic polymer composed of glycolide, dioxanone, and trimethylene carbonate. The absorbable wound closure device is available sterile and is supplied in various sizes, needle configurations and needle types.

USP designations for diameter are applicable to the V-Loc™ 90 absorbable wound closure device material prior to barbing. After the creation of barbs, the V-Loc™ 90 absorbable wound closure device is identified by new size smaller than the non-barbed suture. This modification reduces the tensile strength of the suture by 10% to 30% depending on the suture size. Refer to the Suture Specifications Table 1 for the V-Loc™ 90 absorbable wound closure device is supplied in the USP size and metric size for each product code. The non-barbed size and equivalent size of the V-Loc™ 90 absorbable wound closure device is further clarified in Chart 1. The maximum service life of the non-barbed suture material for the USP size is further described in Chart 2.

The V-Loc™ 90 absorbable wound closure device meets requirements established by the United States Pharmacopeia (USP) and European Pharmacopoeia (EP) for synthetic absorbable sutures for needle attachment.

Needle Strength Data Designation – Chart 1

| **V-Loc™ 90 Device Suture Size** | **Pre-Barbing Suture Size** | **Equivalent Non-Barbed Size (USP) Tensile Strength (kgf)** |
|---|---|---|
| 2-0 | 0 | 2.7 / 2.88 |
| 3-0 | 1 | 1.8 / 1.91 |
| 4-0 | 2-0 | 1.1 / 1.17 |
| 5-0 | 3-0 | 4.6 / 0.95 |

Maximum Service for non-barbed suture material in Diameter (mm) from USP – Chart 2

| **USP Size** | **USP size Designation (mm)** | **Maximum Diameter (mm)** |
|---|---|---|
| 2-0 | 0.35 - 0.399 | 0.399 |
| 3-0 | 0.30 - 0.339 | 0.338 |
| 4-0 | 0.15 - 0.199 | 0.198 |
| 5-0 | 0.10 - 0.149 | 0.148 |

**INDICATIONS**

The V-Loc™ 90 absorbable wound closure devices are indicated for soft tissue approximation where use of an absorbable suture is desired.

**CONTRAINDICATIONS**

The use of the V-Loc™ 90 absorbable wound closure device is contraindicated in patients with known sensitivities or allergies to its components.

The V-Loc™ 90 absorbable wound closure device is not for use where prolonged [beyond 2 weeks] approximation of tissues under stress is required or for fixation of permanent cardiovascular prostheses or synthetic grafts.

The V-Loc™ 90 absorbable wound closure device should not be used for ophthalmic soft tissue patients.

The V-Loc™ 90 absorbable wound closure device should not be used for tissues with poor blood supply.

The V-Loc™ 90 absorbable wound closure device should not be used for tissues with a history of infection.

**WARNINGS AND PRECAUTIONS**

- The safety and effectiveness of the V-Loc™ 90 absorbable wound closure device has not been established in pediatric patients or in the following specialties: cardiovascular, microsurgical, ophthalmic, endocrinological, urinary tract, neurological, ophthalmic, orthopedic or microsurgery.
- The V-Loc™ 90 absorbable wound closure device is intended to be used without the use of anchoring knots to begin or terminate the suture line. Do not tie knots. Tying knots may damage the barbs and potentially reduce their effectiveness.
- Do not resterilize. Some active sphygmology has been opened or damaged. Discard open unused sutures. Store at room temperature. Avoid prolonged exposure to extreme temperatures.
- Users should familiarize themselves with surgical procedures, techniques, tissue planes, and tensile strength profiles involving absorbable devices before employing the V-Loc™ 90 absorbable wound closure device. The risk of wound dehiscence may vary with the skill of the physician and the device material used.
- The V-Loc™ 90 absorbable wound closure device should not be used with continuous suture patterns. Do not use in microsurgical procedures. Do not use in ligation of vessels.
- A resorbable surgical suture must be followed with proper management of contaminated or infected wounds.
- The use of this suture may be inappropriate for patients with any conditions which, in the opinion of the surgeon, may cause or contribute to delayed wound healing.
- The use of supplemental wound protection with sutures should be considered by the surgeon or the closure of skin subject to expansion, stretching tension, or requiring additional support.
- The integrity of the sutures and knots, can should be taken to avoid prolonged contact of this, or any other device with salt solutions, as calculus formation may result.
- Do not use if package is opened or damaged. Discard open unused sterile damage from handling. Avoid: Re-handling these or any other devices can should be taken to avoid prolonged contact of this, or any other device with salt solutions, as calculus formation may result.
- Do not use if package is opened or damaged. Discard open unused sterile damage from handling. Avoid: It is