

SURGICAL SUTURES

Polydioxanone

Extended wound support. Smooth handling. Predictable absorption.



Overview

Vero Animal Health Polydioxanone Sutures are synthetic, absorbable monofilament surgical sutures composed of a polymer of p-dioxanone. Designed specifically for veterinary surgical applications, they provide extended temporary wound support combined with predictable absorption and excellent tissue compatibility.

Polydioxanone retains tensile strength for a longer period than more rapidly absorbed suture materials, making it especially useful for tissues that require extended healing support. Its smooth monofilament construction allows controlled passage through tissue while helping minimize tissue drag, capillarity, and tissue trauma.

Its combination of prolonged tensile-strength retention and predictable hydrolytic absorption makes Vero Animal Health Polydioxanone an excellent choice for veterinary procedures involving tissues that require longer-term absorbable wound support.

Key features

- Synthetic Absorbable Monofilament — Provides dependable extended temporary wound support.
- Prolonged Tensile-Strength Retention — Supports tissues requiring a longer healing period.
- Predictable Absorption — Gradually loses tensile strength through hydrolytic degradation as tissue healing progresses.
- Smooth Tissue Passage — Monofilament construction helps minimize tissue drag and trauma.
- Low Tissue Reactivity — Designed to support normal tissue healing throughout the absorption process.
- Low Capillarity — Monofilament structure minimizes fluid wicking along the suture strand.
- Reliable Knot Performance — Provides dependable closure when appropriate knotting technique is used.
- Veterinary Focused — Suitable for a broad range of veterinary procedures requiring extended absorbable wound support.

Available configurations

USP SIZE	LENGTH	NEEDLE	ITEM CODE
3-0	30" (75 cm)	1/2 circle taper point, 26 mm	VD31262-75 12 per box
3-0	30" (75 cm)	3/8 circle reverse cutting, 24 mm	V07324F5 12 per box
2-0	30" (75 cm)	3/8 circle reverse cutting, 24 mm	V07224F5 12 per box
2-0	30" (75 cm)	1/2 circle taper point, 26 mm	V07226B7 12 per box
0	30" (75 cm)	1/2 circle taper point, 36 mm	V07036B7 12 per box

Sold by the box of 12 sutures.

Specifications

Material	Polydioxanone
Composition	Poly(p-dioxanone)
Construction	Monofilament
Absorbability	Synthetic absorbable
Absorption mechanism	Hydrolysis
USP sizes	3-0 · 2-0 · 0
Lengths	30" (75 cm)
Colour	Violet
Needles	3/8 circle reverse cutting · 1/2 circle taper point · 24–36 mm
Sutures per pack	1 (single armed)
Sterility	Sterile (ETO), single-use
Shelf life	3 years
Packaging	12 per box

Applications

- Fascial closure
 - Abdominal wall closure
 - General soft-tissue approximation
 - Ligation
 - Gastrointestinal procedures
 - Urogenital procedures
- Reproductive procedures
 - Selected orthopedic soft-tissue procedures
 - Procedures involving tissues with slower healing characteristics
 - Other veterinary applications requiring prolonged absorbable wound support

Quality standards & compliance

- ISO 13485 Certified Quality Management System — Medical Devices
- MDSAP Audited Quality Management System — Medical Device Single Audit Program

- FDA-Registered Medical Device Manufacturing Establishment, where applicable
- CE-Marked Product, where applicable and supported by the appropriate conformity assessment
- ISO 10993 Series — Biological Evaluation and Biocompatibility
- ISO 11607 — Packaging Systems and Sterile Barrier Requirements for Terminally Sterilized Medical Devices
- ISO 11135 — Ethylene Oxide Sterilization, when applicable
- ISO 11137 — Radiation Sterilization, when applicable
- ISO 15223-1 — Medical Device Labeling Symbols
- Applicable USP Requirements for Absorbable Surgical Sutures
- Validated Sterilization Processes
- Controlled Manufacturing and Quality Inspection Procedures
- Lot Traceability and Finished-Product Quality Controls

Intended use: for veterinary use only.

Specifications are provided as a general guide and may change without notice. Contact us for lot-specific certificates, technical data sheets and Health Canada / MDEL documentation.