DemeTECH Polydioxanone

# DemeTECH® Sutures

## Polydioxanone


**DemeTECH's Polydioxanone Sutures**

DemeTECH's Polydioxanone suture is an absorbable, sterile, surgical suture composed of the polyester poly (p-dioxanone). DemeTECH's Polydioxanone has been found to be nonantigenic, nonpyrogenic, and elicits only minimal tissue reactivity during the absorption process. Clinical trials have shown that after two weeks, approximately 80% of DemeTECH's Polydioxanone initial strength remained. At eight weeks, approximately 44% of DemeTECH's Polydioxanone initial strength remained. Complete absorption of DemeTECH's Polydioxanone occurs at approximately 200 days. DemeTECH's Polydioxanone sutures are available dyed and colorless.

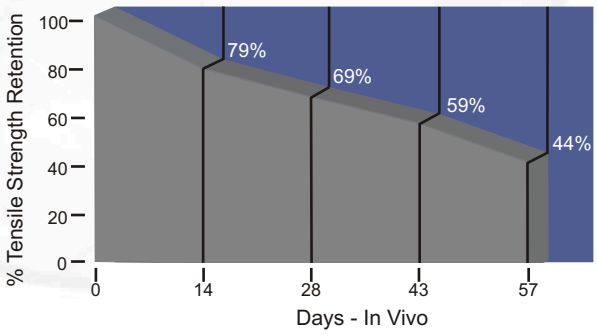
**Distinctive Characteristics of DemeTech's Polydioxanone Sutures:**

- DemeTECH's Polydioxanone is ideal for internal tissues where a long lasting, absorbable suture is preferable.

- As Polydioxanone is composed of synthetic materials, it elicits less reactivity than natural absorbable sutures. However, due to its prolonged absorption period, Polydioxanone may elicit some tissue reactivity.

- After 4 weeks post operation, clinical trials showed thatPolydioxanone suturesmaintained 69% of their tensile strength.

Polydioxanone Suture Strength Retained

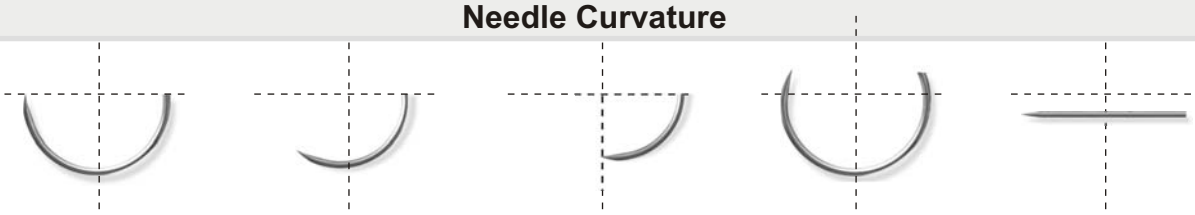


# TECHNICAL SPECIFICATIONS

## Needle Type

| Needle Shape | Point Type | Symbol |
|---|---|---|
|  | Round Bodied |  |
|  | Curved Cutting |  |
|  | Reverse Cutting |  |
|  | Reverse Cutting Prime |  |
|  | Taper Cutting |  |
|  | Micro-point Reverse Cutting |  |
|  | Micro-point Spatula Curved |  |
|  | CSU Spatula |  |
|  | SBR Spatula |  |

## Needle Curvature



1/2 Circle

3/8 Circle

1/4 Circle

5/8 Circle

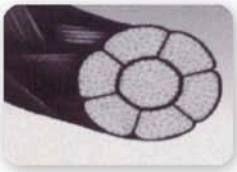
Straight

## Suture Materials

Polyglycolic Acid

Chromic Catgut

Plain catgut



Silk (Braided)

Nylon

Polypropylene

Polyester (Braided)

Stainless Steel