

## MONOTIME® ABSORBABLE SUTURES

Slow Absorbable Polydioxanone Monofilament (PDO) for slow healing tissues

### SURGICAL APPLICABILITY

- Abdominal aponeurosis, intestinal anastomoses
- Anastomoses of intestinal, pancreatic and bile ducts
- Articular capsule, tendons, ligaments, meniscus
- Paediatric cardiovascular surgery
- High risk patients: obese, elderly, diabetic, cancer, immunodeficient

### ABSORPTION / STRENGTH

50% absorption after	60 - 90 days
Total absorption time	180 - 210 days
Strength retention time	60 - 90 days

### THREAD CHARACTERISTICS

- Minimal tissue trauma: perfect slide
- Very good knot holding
- Excellent tissue tolerance
- High strength in contact with aggressive biological fluids (urine, bile, pancreatic fluid)
- Colour : Violet

### NEEDLES

- High bending strength and ductility provided by high performance Class 300 Stainless Steel needles
- High quality silicone coating for reduced friction
- Size range from USP 7/0 to 1 in 3/8 and 1/2 Circle

### NEEDLE TYPES

Taper point and round body	Reduces tissue trauma, suitable for soft tissues
Tapercutting KL 3 bevelled faces and round body	Better penetration than taper point needle for cardiovascular surgery, calcified and sclerous tissues
Triangular cutting point with 3 cutting edges and triangular body	Suitable for skin, abdominal wall, fibrous tissue and ligaments
Blunt point and round body	Does not cut into tissue suitable for soft tissue such as liver and kidney

### ONEPAK® PACKAGING

- Multilayered Aluminium Pouch ensures long shelf life
- Easy 2 Stage opening – external peel pouch and aluminium tear pouch
- Allows direct access to the needle with no need to remove the carton support

## COMPARISON CHART FOR PÉTERS SURGICAL ABSORBABLE SUTURES

	<b>OPTIME RAPIDE®</b>	<b>ADVANTIME®</b>	<b>OPTIME®</b>	<b>MONOTIME®</b>
Structure	Braid	Monofilament	Braid	Monofilament
Material	Treated Polyglycolic Acid	Absorbable poliglecaprone 25 monofilament (PGA-CL)	Polyglycolic Acid	Slow Absorbable polydioxanone monofilament (PDO)
Tensile Strength retention	10 – 14 days	21 – 28 days	28 – 35 days	60 – 90 days
Total Absorption Time	42 days	90 – 120 days	60 – 90 days	180 – 210 days
Colour	Undyed	Violet / Undyed	Violet/undyed	Violet
USP Range	6/0 – 1	6/0 – 1	6/0 – 2	7/0 – 1
Surgical use	Obstetrical surgery Urological surgery: Paediatric surgery Cutaneous wound Dental surgery and stomatology	Bile duct surgery, digestive tract and peritoneum  Urologic and gynaecologic surgery  Paediatric surgery  Cosmetic and reconstructive surgery, running intradermal sutures	General surgery  Digestive surgery  Gynaecologic surgery  Urologic surgery  Orthopaedic surgery	Suture of abdominal aponevrosis, intestinal anastomoses  Anastomoses of pancreatic and bile ducts  Suture of articular capsule, tendons, ligaments, meniscus  Paediatric cardiovascular surgery  High risk patients: obese, elderly, diabetic, cancer, immunodeficient

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