Partially resorbable yet permanently strong
Extraperitoneal
Optimised fibrosis
4DVentral® is a midweight hydrophilic partially resorbable implant designed for the extraperitoneal treatment of ventral and incisional hernias.

**PRODUCT’S KEY POINTS**

**Partially resorbable yet permanently strong**

4DVentral® is a different concept aiming to combine best of both:
- patient’s comfort by using partially resorbable material
- high permanent resistance to prevent any long term recurrence

**After PLLA resorption, 4DVentral® becomes and remains a midweight mesh (65g/m²) with the following benefits for the patient:**
- soft and flexible to conform to patients’ daily abdominal mobilisation for a good quality of life
- 32N/cm after PLLA resorption for a permanent mesh strength

The recent study conducted at the Carolinas Medical Center(1), states that a midweight mesh is the mesh of choice for open ventral hernia repair for all patients, as they lead to less recurrence.(1)

**Best placement, Extraperitoneal**

4DVentral® matches latest KOL’s recommendations which encourage extraperitoneal mesh placement to avoid challenging adhesions. The message is now «keep out of the peritoneum as much as possible!» Why taking the risk of serious complications?

Ideal extraperitoneal mesh placement is agreed to be retromuscular or preperitoneal when possible and 4DVentral® has been designed to fit these surgical approaches.

**Optimised fibrosis(2)**

PLLA combined to polypropylene leads to an absence of mesh shrinkage and lower inflammation: better tolerance compared to 100% polypropylene meshes.

Prof. Leroy’s in-vivo animal study also shows earlier and higher amount of collagen fibers, thus an earlier support for abdominal wall repair.

> A FULL PRODUCT RANGE

> MATERIAL

60% monofilament PLLA - resorbable / 40% monofilament polypropylene - non resorbable

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(1) Lightweight vs Midweight Polypropylene Mesh in 948 Open Ventral Hernia Repairs (OVHR)
Laurel J Blair, MD, Ciara Huntington, MD, Tiffany C Cox, MD, Tanushree Prasad, Amy E Lincourt, PhD, MBA, Vedra A Augenstein, MD, FACS, B Todd Heniford, MD, FACS
Carolinas Medical Center, Charlotte, NC J Am Coll Surg 2015;221:S73


4DVentral® is a class III medical device manufactured by COUSIN BIOTECH s.a.s. The management system of COUSIN BIOTECH s.a.s has been certified as meeting the requirements of ISO 13485. Please read instructions for use carefully. Reference: FPV4DVGB01 - 17/02/16
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Cousin Biotech S.A.S capital : 340 656 € - 398 460 261 RCS Lille - N° TVA FR 34 398 460 261

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