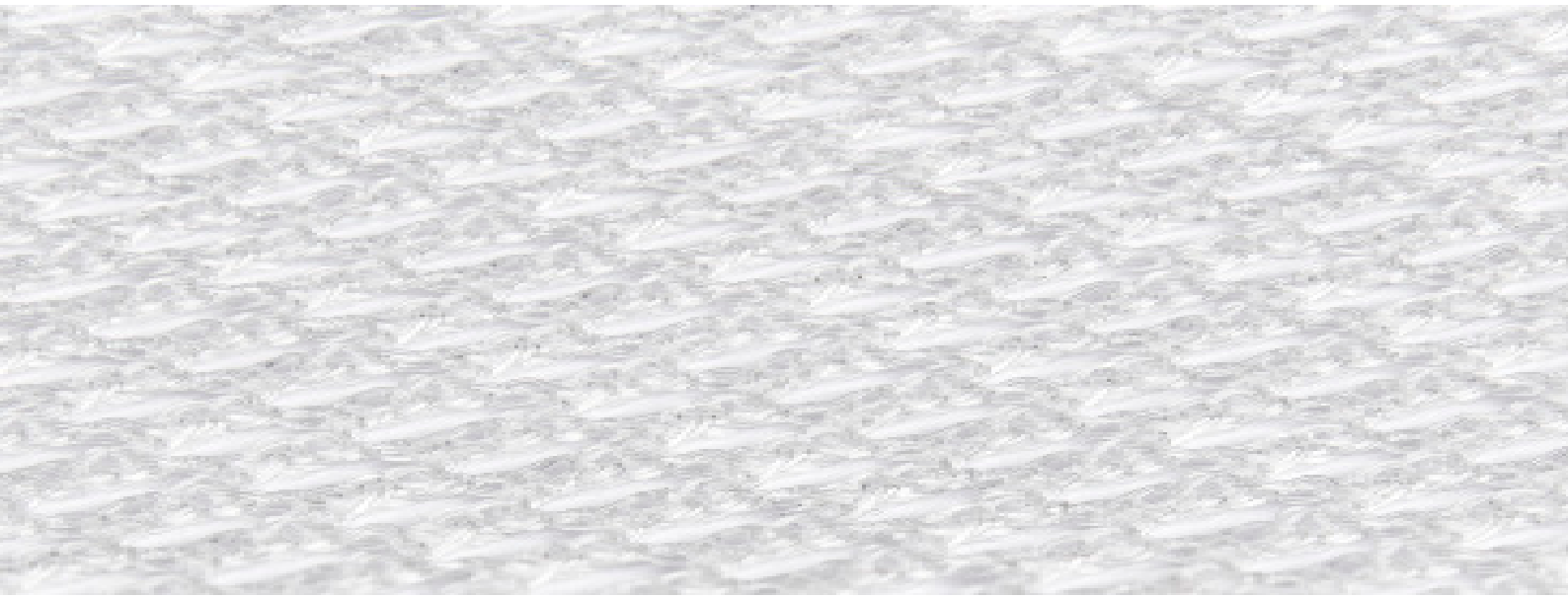
COUSIN SURGERY

# 4DVENTRAL®



## REPAIR OF VENTRAL HERNIAS

## PARTIALLY RESORBABLE PARIETAL REINFORCEMENT IMPLANT

- Partially resorbable yet permanently strong
- Extraperitoneal
- Optimised fibrosis (preclinical model)

*We care for Surgery*

MADE IN FRANCE
FABRIQUÉ EN FRANCE

Product sheet

## INDICATIONS

Repair of ventral hernia or other fascial defects that require the addition of an extraperitoneal reinforcing or bridging material to obtain the desired surgical result

## PRODUCT DESCRIPTION

4DVentral® meshes are extraperitoneal partially resorbable parietal reinforcement implants

## MATERIAL AND WEIGHT

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

- **155 g/m² ± 6g/m²** weight before resorption
- **65 ± 5g/m²** weight after resorption

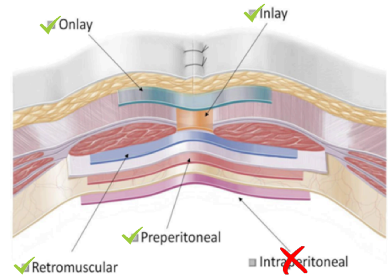
## BEST PLACEMENT, EXTRAPERITONEAL

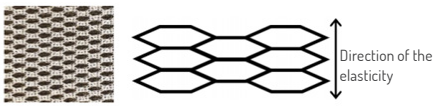
Retromuscular or preperitoneal when possible

## OPTIMISED FIBROSIS [1] (PRECLINICAL MODEL)

- **Absence of mesh shrinkage**
- **Better tolerance**

The 4D Ventral® mesh is placed in the newly formed pre-peritoneal space and fixed (or not, according to the surgeon's advice) on the muscle layer above. The implant has an oriented elasticity (the surgeon may choose to place the elastic direction craneo-caudal or transversal, depending on his preference)




## REFERENCES AND SIZES

### EXTRAPERITONEAL

| | Shape | Reference | Description | Size (cm) |
|---|---|---|---|---|
| Umbilical | ○ | 4DVENT05RO | Round mesh | Ø 5 |
| | ○ | 4DVENT07RO | Round mesh | Ø 7 |
| | ○ | 4DVENT09RO | Round mesh | Ø 9 |
| | ○ | 4DVENT12RO | Round mesh | Ø 12 |
| Ventral | ▢ | 4DVENT1515 | Mesh | 15x15 |
| | ▭ | 4DVENT1530 | Mesh | 15x30 |
| | ▭ | 4DVENT2025 | Mesh | 20x25 |
| | ▢ | 4DVENT3030 | Mesh | 30x30 |


*[1] Les valeurs techniques ci-dessus sont des valeurs moyennes données à titre indicatif.*

*[2] Tanaka K., Mutter D., Inoue H., Lindner V., Bouras G., Forgione A., Leroy J., Aprahamian M., Marescaux J. In Vivo evaluation of a new composite mesh 10% Polypropylene/90% Poly-L-Lactic Acid for Hernia Repair. J Mater Sci: Mater Med 2007 ; 18 : 991-999. Animal study.*

*[3] Données cliniques 4DMesh issues du Registre du Club Hernie (400 patients suivis à 2 ans). Présentation des données cliniques par Dr Dabrowski à MESH 2016 (Paris)*



4DVENTRAL® is a class III medical device manufactured by COUSIN BIOTECH S.A.S. The CE conformity has been carried out by the notified body SGS Belgium NV (CE1639). The management system of COUSIN BIOTECH S.A.S is certified for compliance with ISO 13485 standard. Please read carefully the instructions for use before using the device.

The IFU is available electronically at: https://www.cousin-biotech.com/en/implant-notices

Reference : FPV4DVGB08 - 07/07/22. Non contractual pictures and texts. Specifications likely to be modified without notice. Cousin Biotech S.A.S au capital de : 340 656 € • 398 460 261 RCS Lille • N°TVA FR 34 398 460 261

Cousin Biotech is the legal manufacturer of the medical devices proposed by Cousin Surgery.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