

# **PuraStat®**

## Clear haemostatic control (1)



## Mode of Action

PuraStat is a slightly viscous solution of synthetic peptides. Contact between PuraStat and blood causes the acidic peptide solution to be neutralized and exposed to ions, resulting in the formation of ß-sheets that then form a 3-dimensional scaffold structure. PuraStat provides a physical barrier to stop bleeding in a variety of surgical indications.

Synthetic peptide solution

Neutral (pH) (blood, ions)

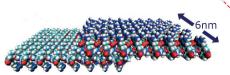
Self-assembly formation

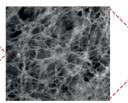
3-D nanofiber structure

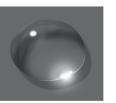
PuraStat hydrogel











Microscopic

Macroscopic

PuraStat provides a physical barrier to stop bleeding.

This haemostatic agent is bioresorbable and can be used in a variety of surgical indications.



#### 3-D Matrix Europe SAS

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Distributed by:

#### References:

- (1) PuraStat IFU-007 Rev 2
- (2) Data on file (Swell Report 2018, Eun Seok Gil 12/06/2018)
- (3) Biological Safety Report current version

PuraStat is a class III medical device, CE marked according to European council directive 93/42/EEC on medical devices and its relatives



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## Indication for Use (1)

PuraStat is indicated for haemostasis in the following situations encountered during surgery, when haemostasis by ligation or standard means is insufficient or impractical:

Bleeding from small blood vessels and oozing from capillaries of the parenchyma and surrounding tissues of solid organs Oozing from
vascular anastomoses to
native or artificial vessels, on
the surface of blood vessels
and surrounding tissues

Bleeding from small blood vessels and oozing from capillaries of the GI tract following surgical procedures and surrounding tissues

### **Examples**

- Myomectomy
- Nephrectomy
- Pancreactectomy
- Partial hepatectomy
- Prostatectomy
- Splenectomy

### **Examples**

- Coronary bypass
- Femoral bypass
- Surgery of the aorta or any peripheral arteries

## **Examples**

- Endoscopic mucosal resection (EMR) of GI tract
- Endoscopic submucosal dissection (ESD) of GI tract
- Laparoscopic resection of GI tract organs

PuraStat is also indicated for the **reduction of delayed bleeding** following gastrointestinal endoscopic submucosal dissection (ESD) procedures in the colon.

Please read carefully the Instructions for Use for indications and contra-indications.

Available in 1 ml (621-034), 3 ml (621-035) and 5 ml (621-036)

# **Advantages**



# Transparent Haemostat

 Maintains clear sight of bleeding point



### Reapplicable & Removable

- Can be used repetitively during the same procedure
- Can be removed easily if desired



## **Synthetic Peptide**

- Inert material
- Well accepted by the body



## Easy to Use

- Single prefilled, ready-to-use syringe
- No preparation required
- Does not obstruct the applicator (4)



## **Suitability**

- Suitable for endoscopic/laparoscopic use
- Possible to place sutures, cauterize
- Applicable to narrow spaces
- Covers well uneven surfaces