

# Heparin Sodium CEP grade

An essential anticoagulant

- Animal-tissue derived molecule, extracted mainly from the porcine intestinal mucosa.
- Anticoagulant effects proven over 100 years.<sup>(1)</sup>



MOST USED IN THE WORLD



ACTIVE SUBSTANCE OF THE MOST USED ANTICOAGULANT AND ANTITHROMBOTIC DRUGS IN THE WORLD. (1,2)

# **Applications**

Antithrombotic medicinal products

Topical medicinal products for ulcer treatment

Anti-atherosclerotic medicinal products

Anticoagulant medicinal products

Medicinal products for wound management

Medicinal products for hemorrhoids treatment

Anticoagulant coating for medical devices

# Porcine heparin vs Bovine heparin

• Porcine heparin has greater anticoagulant and antiprotease activities than bovine heparin. (3)

HELM'S HEPARIN IS EXTRACTED FROMTHE PORCINE INTESTINAL MUCOSA

# **Competitive edges**



### **SAFETY**

**HELM** works with authorized farms that are properly inspected and cleared by veterinaries before use.



### **FULL TRACEABILITY**

**HELM** ensures safety, quality and full traceability along the whole supply chain of Heparin. Our processes are designed to minimize any possibility of biological risk.



### **FULL TECHNICAL SUPPORT**

**Technical experts dedicated** to Heparin and technical documentation ready to be sent.



### **EXPERTISE**

**HELM** provides its partners with market intelligence about future price development.

# **Key characteristics**

- Shelf life of 36 months
- Package of 5kg and 10kg
- Batch sizes of 25000 28000 mega



**CEP** 



**USDMF** 

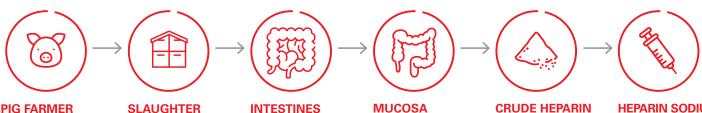


WRITTEN CONFIRMATION



AUDIT REPORT AVAILABLE

# Supply chain



**Healthy pigs that** are inspected by vets and come only from authorized farms

# **HOUSE**

The pig intestines come from governmentinspected slaughterhouses

**Fresh intestines** are inspected

The mucosa is separated from the rest of the intestine

**API Intermediate** 

### **HEPARIN SODIUM**

**Highest quality API fully compliant** with the most demanding international quality standards

### **HELM**

is one of the world's major independent chemicals marketing enterprises with 120 years of history and more than 100 subsidiaries, sales offices, and participations in over 30 countries.



# Want to know more about Heparin? CONTACT

### Jovani Valdovinos

ljvaldovinos@helmportugal.com