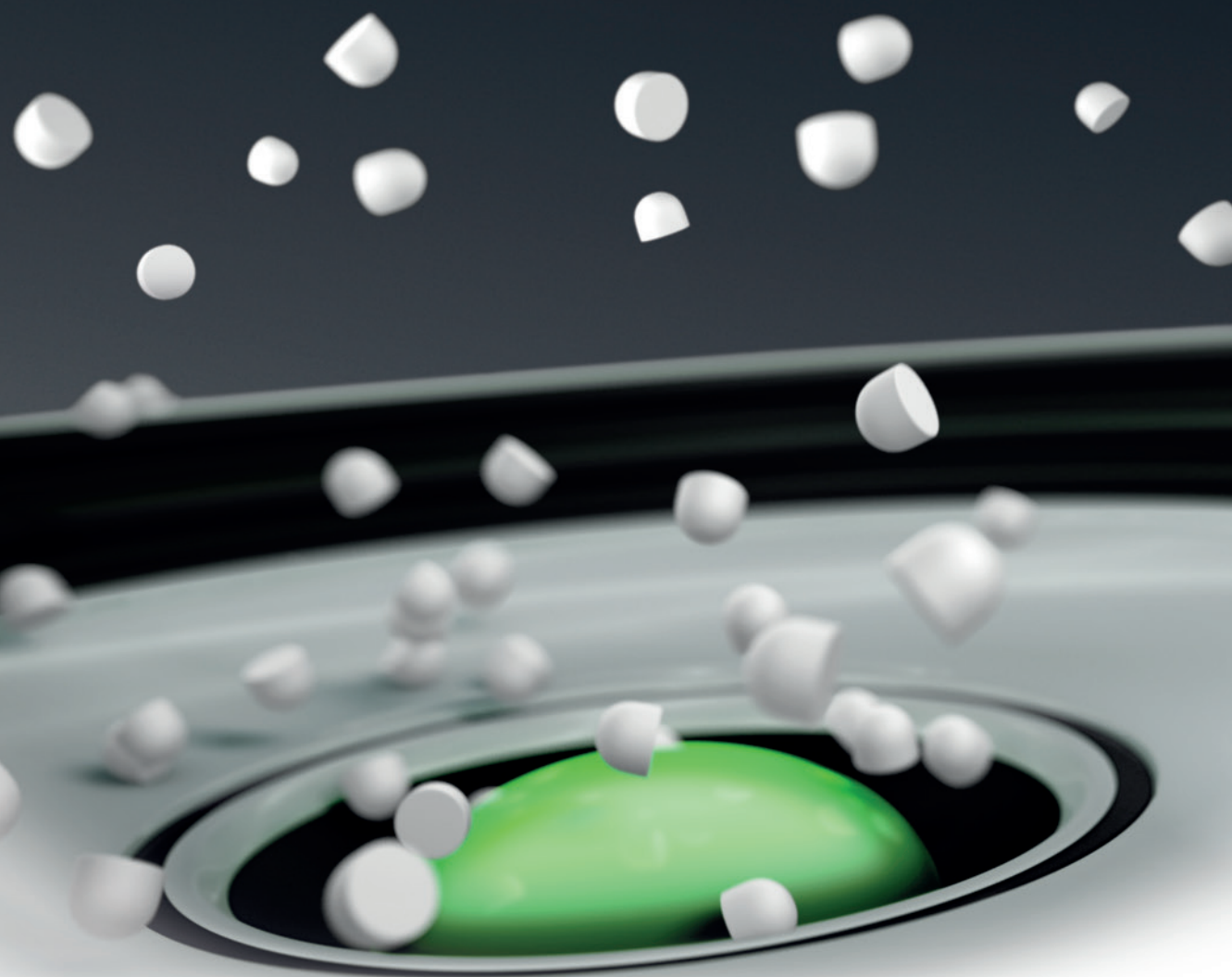


# STIMULAN<sup>®</sup>

POWER TO TRANSFORM OUTCOMES<sup>™</sup>

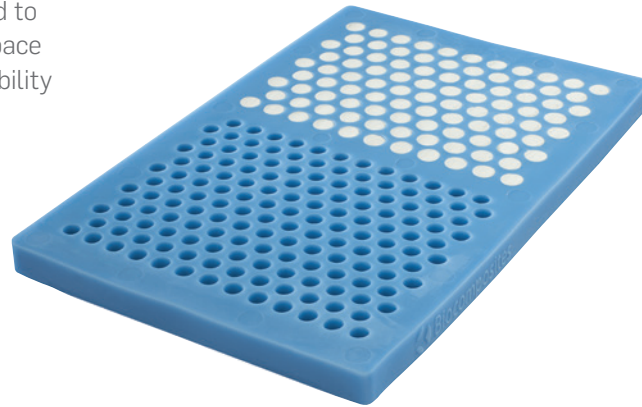


# STIMULAN<sup>®</sup>

## Perfect partner for your infection management strategy

STIMULAN is a truly absorbable, calcium sulfate antibiotic carrier – specifically designed to support the proactive management of dead space and surgical site infection with unrivalled flexibility and the broadest surgical application.<sup>1</sup>

- ✓ the only calcium matrix approved for use in bone and soft tissue
- ✓ approved for mixing with vancomycin, gentamicin and tobramycin
- ✓ can be placed directly into infected and non-infected sites

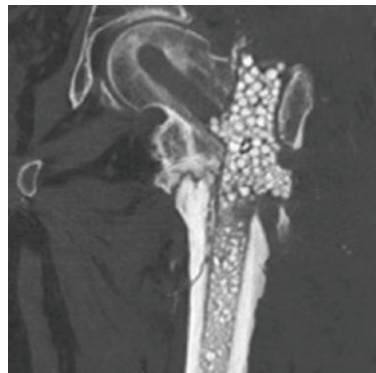


## Bring the challenge of infection under your control

Placing antibiotics directly into bone voids and soft tissue with STIMULAN effectively and comprehensively targets a broad spectrum of infection risks across a variety of settings – at concentrations unachievable with systemic administration.



Transform osteomyelitis in diabetic foot<sup>2\*</sup>



Transform trauma infected with *Staphylococcus aureus*<sup>3\*</sup>



Transform revision arthroplasty infected with group B *Streptococcus*<sup>4\*</sup>

\*Additional information and case studies are available on request.

## Truly absorbable, antibiotic carrier recrystallised for enhanced clinical performance

Only STIMULAN undergoes a proprietary DRy26<sup>™</sup> recrystallisation method that starts with pharmaceutical-grade reagents and results in its consistent and reliable performance – suitable for carrying antibiotics to infected sites.<sup>1,5-9</sup>

- ✓ completely absorbs at an optimal rate
- ✓ no third body damage
- ✓ predictable elution profile
- ✓ proven action against biofilms
- ✓ flexibility to tailor antibiotic to clinical need

Discover the true potential at [biocomposites.com](https://biocomposites.com)

## Uniquely engineered for the precision and control you demand every time

With the ability to mix substances according to the specific antimicrobial needs of each infection, STIMULAN combines flexibility with the predictability and consistency necessary to ensure sustained antibiotic cover.



Sets in  
**STIMULAN Rapid Cure<sup>1</sup>**  
For faster setting times

+ antibiotic



Sets in  
**Vancomycin**  
(1000mg powder)



Sets in  
**Gentamicin**  
(240mg in 6ml solution)



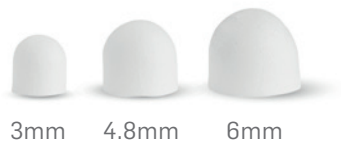
Sets in  
**Tobramycin**  
(240mg in 6ml solution)

# STIMULAN®

## Flexibility at your fingertips

Every part of **STIMULAN** is optimised to work around you according to the clinical and surgical demands of the individual patient. Whatever the time, shape, accessibility or size constraints, **STIMULAN** gives you a way to adapt to each case.

### Beads



### Bullets



### Paste



## STIMULAN Rapid Cure

| Paste volume | Bead volume | Order code |
|--------------|-------------|------------|
| 5cc          | 12cc        | 620-005    |
| 10cc         | 25cc        | 620-010    |
| 20cc         | 50cc        | 620-020    |

## STIMULAN Kit

| Paste volume | Bead volume | Order code |
|--------------|-------------|------------|
| 5cc          | 10cc        | 600-005    |
| 10cc         | 20cc        | 600-010    |

## STIMULAN Bullet Mat and Introducer

| Bullet dimensions | Reamed diameter                | Order code |
|-------------------|--------------------------------|------------|
| 7mm x 640mm       | 10mm reamed diameter (minimum) | 660-001    |
| 9mm x 480mm       | 12mm reamed diameter (minimum) |            |

**References:** **1.** Biocomposites, STIMULAN Instructions for Use. **2.** Data on file, Mr. Rajesh Jogia. **3.** Data on file, Mr. Hemant K. Sharma. **4.** Data on file, Mr. Ramasubramanian Dharmarajan. **5.** Cooper, J.J., Method of producing surgical grade calcium sulphate; Patent. 1999. **6.** Analysis of the Wear Effect 3rd Body Particulate (Bone Cement) has on UHMWPE, Accutest Testing Laboratory, Fairfield OH, K13107732-1, 2014. **7.** Cowie, R.M., et al., The influence of a calcium sulphate bone void filler on the third-body damage and polyethylene wear of total knee arthroplasty. Bone Joint Res. 2019. 8(2): p. 65-72. **8.** Cooper, J.J., et al., Antibiotic stability in a synthetic calcium sulphate carrier for local delivery. Poster presented at European Bone and Joint Infection Society Annual Meeting, Prague, Czech Republic, 2013. **9.** Delury, C., Aiken, S., Thomas, H., et al., Determining the Efficacy of Antibiotic-loaded Calcium Sulfate Beads against Pre-Formed Biofilms: An In Vitro Study. Poster presented at ASM Microbe 2019, 20-24 June 2019, Moscone Center, San Francisco, CA, USA.

For indications, contraindications, warnings and precautions see Instructions for Use. Concurrent use of locally administered antibiotics may affect the setting time, absorption characteristics and/or bone formation. Antibiotics may affect the setting time as exemplified above for 10cc of STIMULAN® Rapid Cure. Only the antibiotics shown can be added and the combination with other antibiotics shall be avoided. It is the surgeon/healthcare professional's responsibility to give due consideration to the details contained in the medicinal product marketing authorisation in deciding whether it is appropriate for the patient under his/her care. The relevant Summary of Product Characteristics (SmPc) must be consulted. The type and dose of medicinal substance should also be assessed according to the individual patient's clinical circumstances. This brochure may include the use of STIMULAN or techniques that go beyond the current clearance/approval granted by the relevant regulatory authority. Please contact your local representative for further information.

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Patents granted: GB2367552, EP 1204599 B1, US 6780391, EP 2594231 B1, US 8883063, CN ZL201210466117.X, GB2496710, EP 3058899 B1, US 10390954  
Patents pending: GB1502655.2, US 15/040075, CN 201610089710.5, GB1704688.9, EP 18275044.8, US 15/933936, CN 108619579A