

Competitor Fact Sheet: OSTEASET®



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Feature	STIMULAN®	OSTEOSET® Wright Medical®
Composition	Powder: 100% Pharmaceutical-grade CaSO_4 Mixing solution: Sterile water	Powder: 98.5% Mined CaSO_4 , 1.5% Calcium stearate Mixing solution: Sterile saline ⁴
Cleared for infected sites	Yes ¹	Yes ^{4, 5}
Available sizes	Rapid Cure: 3cc, 5cc, 10cc, 20cc Kit: 5cc, 10cc	5cc, 25cc
Product volume per cc	<ul style="list-style-type: none"> 3cc box = 7cc bead volume 5cc box = 12cc bead volume 10cc box = 25cc bead volume 20cc box = 50cc bead volume 	5cc box = 5cc bead volume 25cc box = 25cc bead volume ²
Setting options and times	Rapid Cure: 4 minutes Kit (Standard set): 8 minutes	Fast cure: 5 minutes Standard cure: 20 minutes ^{5, 6}
Formats	3 bead sizes, 2 bullet sizes, paste, injectable	3 bead sizes, paste, injectable ⁴
Bead and bullet sizes	3.0mm, 4.8mm, 6.0mm beads 7.0mm, 9.0mm bullets	3.0mm, 4.8mm, 7.0mm beads ^{5, 6, 7}
Bead or bullet mat included	<ul style="list-style-type: none"> Universal bead mats are included in 5cc, 10cc and 20cc boxes A combination bead and bullet mat is included in the 3cc box A bullet mat and introducer system is available for order 	<ul style="list-style-type: none"> Bead mat included in 5cc box for 3.0mm and 4.8mm beads⁶ Two bead mats are included in 25cc box for 7.0mm beads⁷
Impurities	No impurities ²	Contains 1.1% non-absorbable impurities ^{2, 8}
Claimed absorption rate	4-8 weeks ¹	4-8 weeks ⁵

Feature	STIMULAN [®]	OSTEOSET [®] Wright Medical [®]
Fully absorbs	Yes ¹	May not fully absorb ²
pH	Physiologic ²	Acidic ²
Hydrophilic or Hydrophobic	Hydrophilic ²	Hydrophobic ²
Third body damage	<ul style="list-style-type: none"> No third body damage to articulating surfaces² Less scratching than Osteoset² Not contraindicated in articulating surfaces¹ 	<ul style="list-style-type: none"> May cause third body damage² Contraindicated in articulating surfaces⁵
Key selling points and weaknesses	(+) Can be used at infected sites ¹ (+) Only STIMULAN undergoes a proprietary DRY26 [®] recrystallization method which consists of 26 steps over 6 weeks and results in its consistent and reliable performance ³ (+) 100% Pharmaceutical-grade CaSO ₄ (+) Contains no impurities ² (+) Physiologic pH ² (+) No third body damage ² (+) No contraindication against use in articulating surfaces ¹ (+) More product volume per cc ² (+) Bullet format available (+) Comprehensive support network for our customers and hospitals (+) 50,000 cases per year ²	(+) Can be used at infected sites ^{4, 5} (+) Low pricing (-) Composed of 98.5% mined CaSO ₄ ⁸ (-) Contains 1.1% insoluble impurities ⁸ (-) Acidic pH ² (-) May cause third body damage ² (-) Contraindicated in articulating surfaces ⁵ (-) Less product volume per cc ² (-) Wright Medical was acquired by Stryker in 2019 - continued support of product is unknown * (+) = competitor selling points (-) = competitor weaknesses

References:

1. Biocomposites Ltd, STIMULAN Instructions for Use.
2. Biocomposites, Data on file.
3. Cooper, J.J., Method of producing surgical grade calcium sulphate; Patent. 1999.
4. Wright Medical Technology OSTEOSET[®] BVF Kit 5I0(K) Summary of Safety and Effectiveness. K0I0532. 2001.
5. Wright Medical OSTEOSET[®] Bone Graft Product IFU. October 2013.
6. Wright Medical Technology OSTEOSET[®] Resorbable Mini-Bead Kit brochure. 008901B I6-Oct-2017.
7. Wright Medical Technology OSTEOSET[®] Resorbable Bead Kit brochure. 009269A I6-Dec-2013.
8. Wright Medical Technology OSTEOSET[®] Bone Graft Substitute Technical Monograph. 0I0662A_2I-Jul-2014.

For indications, contraindications, warnings and precautions see Instructions for Use. Concurrent use of locally administered antibiotics may affect setting time. 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 I204599 B1, US 6780391, EP 2594231 B1, US 88883063, 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

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