



SERIOSS

Nextgen bone repair solution

...Powered by silk



SERIGEN

An innovation-driven tissue regeneration company

Connect with us at www.serigenmed.com info@serigenmed.com



Serigen is an innovation-driven tissue regeneration products company. We leverage the materials science of natural silk proteins to develop unique biomedical products.

The Serigen Team

Serigen is led by a stellar team of engineers and scientists with training in leading academic institutes such as MIT, University of Delaware and IIT-Bombay and prior work experience in premier corporate and government R&D labs such as GE-Jack Welch Technology Center and National Chemical Laboratory. The team includes members who have previously successfully developed and commercialized medical products for orthopaedics and head & face surgery. Serigen is backed by a team of clinical advisors, regulatory specialists, medical industry experts and angel investors.

The 'Seri' Technology Mastery in materials science of natural silk proteins

At the heart of Serigen's technology platform is mastery in materials science of silk-based polymers and deep understanding of biomedical materials.

Silk is a "green" sustainable material extracted from the cocoons of silkworm. It is a shiny, lustrous and royal fiber that has dominated the textile market for several centuries. The silk thread has also been used to stitch wounds and thus has a very long history of safe medical use.

At Serigen, we have developed novel and innovative processing protocols that convert silk threads into a solution which can be structured and shaped in various forms suitable for unique biomedical products. The science has been published in prestigious international journals and the technology is protected via patents.



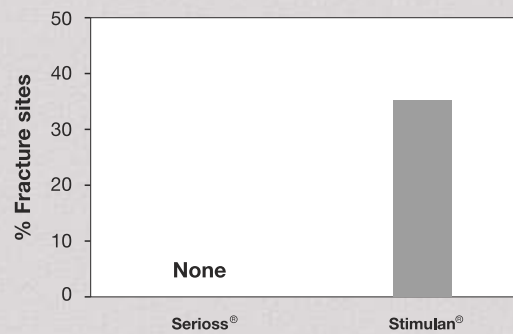
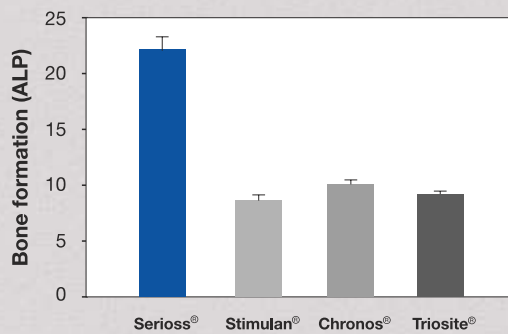
SERIOSS®



Serioss is an osteoconductive bone void filler that can be used to fill cavities in bone which are caused due to trauma, infection or cancer etc.

Serioss provides the appropriate environment for bone cells to thrive and function. In animal and lab studies, Serioss has outperformed leading global ceramic based bone void fillers by a factor of two in all bone repair parameters.

Serioss : Comparison with competition



In lab and animal studies, 2X improvement in bone repair parameters lead to reduced post-surgical complications.

Serioss is available in a variety of forms, such as putty, powder, blocks, pellets and wedges

Shape	Volume (cc)	
Powder	5	
Pellets	5	
Cylinder (small)	1.2	D - 14 H - 8
Cylinder (large)	2.2	D - 14 H - 14
Wedge	3.3	W - 23 H - 23
Putty	3	
	5	
	7	

D - Diameter in mm **H** - Height in mm **W** - Width in mm





Recognitions

- National Winner of empoWer-TiE Women 2021 India Finals
- Winner of 9th National Awards for Technology Innovation in "Polymers in Public Health Care 2019-2020"
- INAE Young Entrepreneur Award, 2020



Serigen has established a government-approved pilot manufacturing facility that is compliant with ISO 13485, a global medical device quality standard.

Our Proud Associations



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