



BioCera Fibers (Formerly ReBossis-85)

**A Biosynthetic, Fibrous Scaffold
with the Handling Characteristics of Cotton**

**ELECTROSPUN MICROFIBER
CONSTRUCTION**

Product Description

BioCera Fibers (Formerly ReBossis-85)

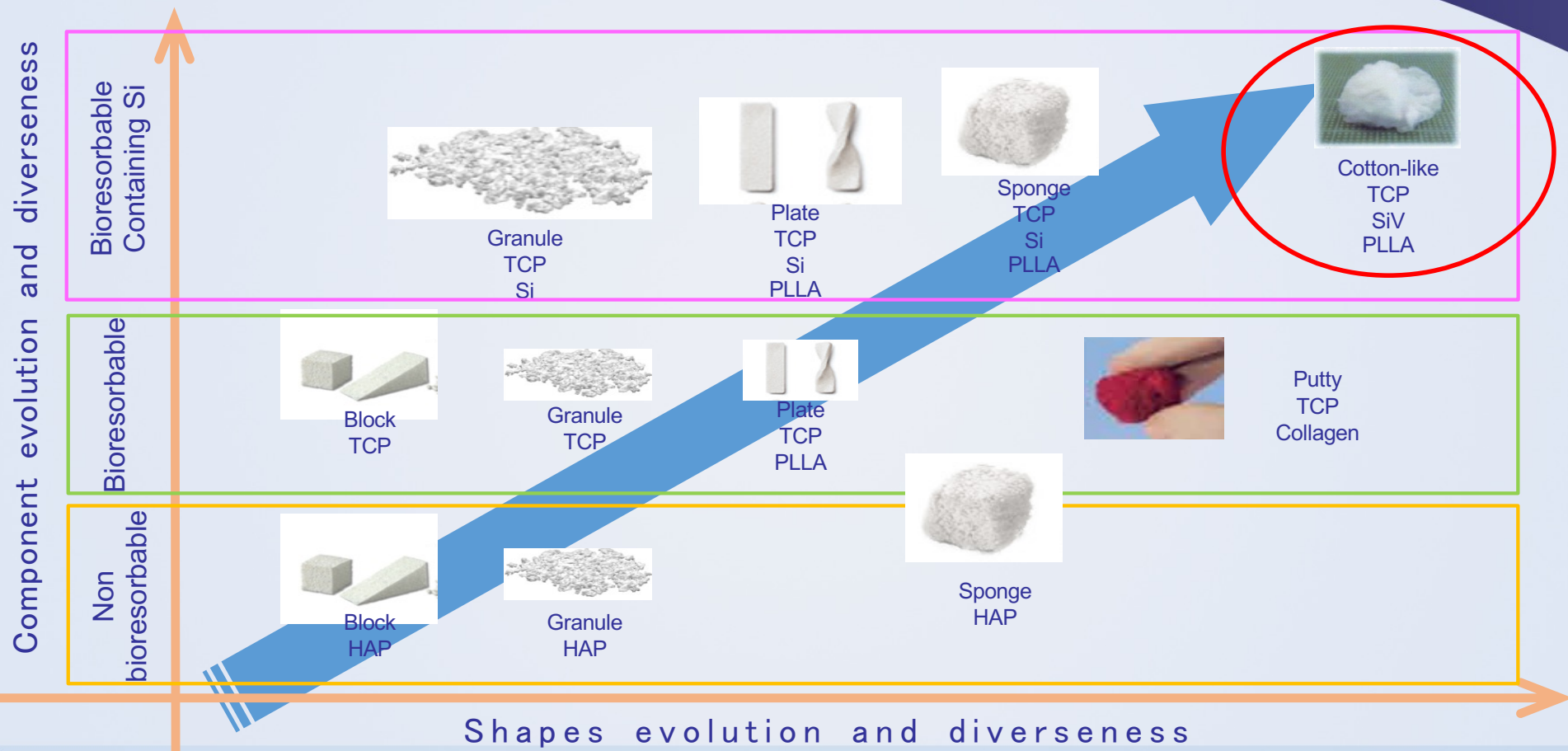
- BioCera is a synthetic bioresorbable bone void filler for the repair of bone defects
- Novel, proprietary electrospinning process produces a composite scaffold with the consistency and moldability of cotton
- Approved by the FDA in 2014

The main ingredients include:

- β -TCP (β -tricalcium phosphate, which has known bioabsorbable properties)
- PLGa (Poly(lactic-co-glycolic) Acid) used for the manufacturing process)
- Siloxane-containing vaterite (a form of calcium carbonate)
- Silicon (1% by weight, comparable to the level found in natural bone)

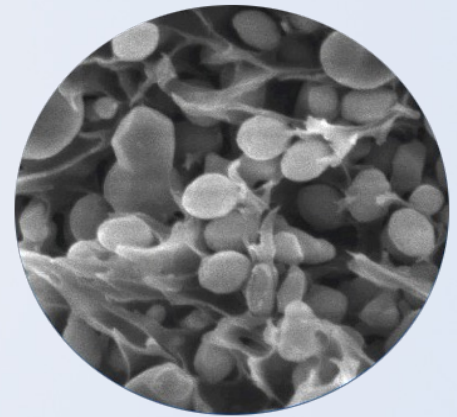
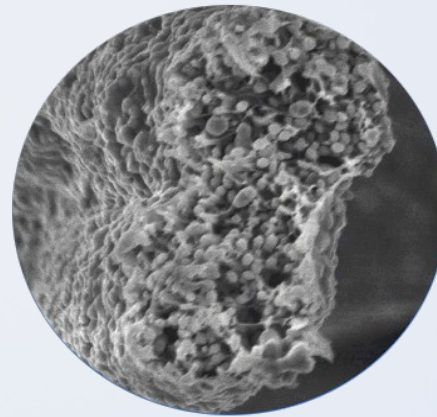
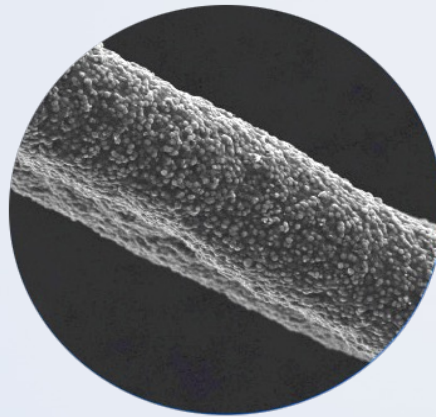
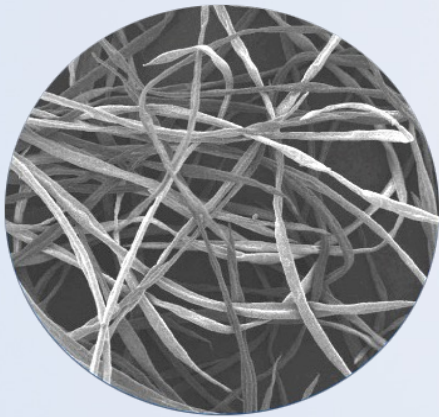


Clinical Advantages of BioCera Fibers



Structure of BioCera Fibers

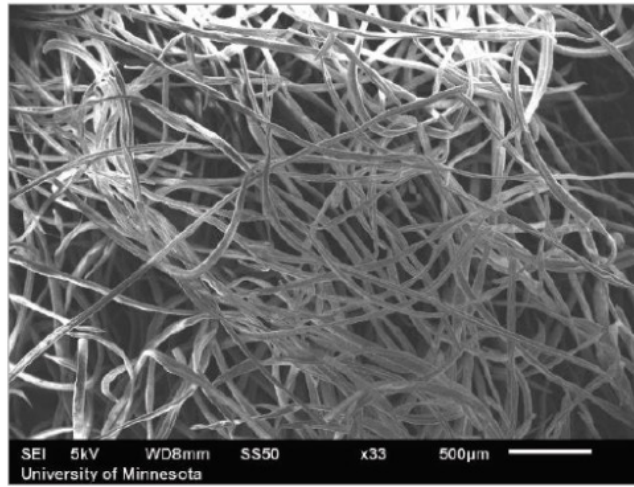
The porous structure of the material allows for the formation of new bone and for the growth of capillary blood vessels.



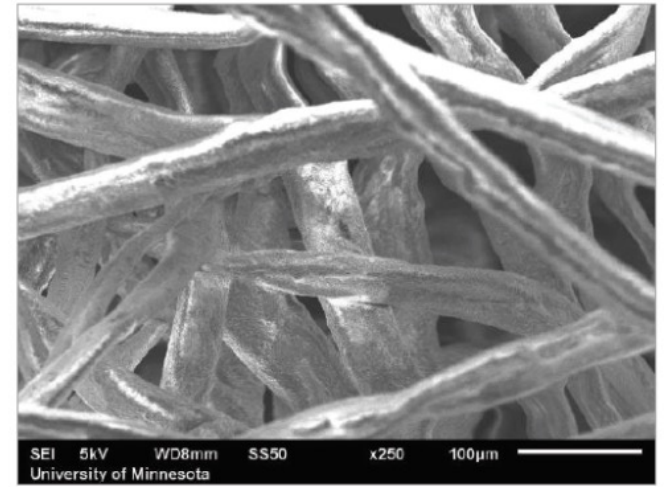
SEM Native BioCera Fibers



Actual Size



33x



250x

Features

- BioCera Fibers are a cotton-like material that, when hydrated, becomes a cohesive and moldable graft that easily conforms to fit and fill voids.
- The microfibers are prepared by an electrospinning method.
- The diameter of these fibers is less than 0.25 μm .
- The entwined structure of its fine fibers makes BC Fibers an ideal scaffold for cell infiltration and colonization.





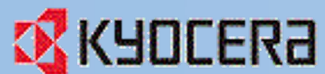
What makes BioCera Fibers Unique?

- The novel, proprietary “electrospinning” process creates a cotton-like texture with an interconnected porous network that mimics the structure of natural bone
- BioCera Fibers maintain their integrity even when hydrated, making it easy to pack into bone voids or gaps
- Once packed into the void, BioCera Fibers expand, allowing for an intimate fit of the bone graft to the surrounding bone
- BioCera Fibers stay where they are placed and won’t wash away with irrigation or blood



Financial Advantages of BioCera Fibers

- Maintains integrity during and after graft placement, which reduces operative time, waste, and the need for re-implantation.
- Molds to fit the bone void, meaning surgeons can better predict the needed dosage, reducing time and waste.
- Packages of varying quantities are available, which allows surgeons to select appropriate amount of material.
- Recommended use of autologous tissue as cellular source, a clinically proven strategy that uses the least costly biologic material.
- No mixing or special handling required in the OR, reducing intraoperative time.
- Shelf-stable format, no special shipping or storage required reducing handling cost.



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Thank You!