CITAGENIX
The Regen Company

Regen is our business. It's what we do!

ECLIPSE™

Synthetic Resorbable Bone Substitute

100% Synthetic - Completely transforms to natural bone. Using the mineral building blocks naturally found in human bone, **Eclipse™** goes a step beyond the realm of everyday hydroxyapatite (HA) and tricalcium phosphate (TCP) with its unique combination of micro and macroporosity technology.

Product composition: 70% overall porosity
- 2/3 macroporosity
- 1/3 microporosity

FEATURES AND BENEFITS

- For patients who express concerns with allografts and xenografts
- 25 years of clinical experience
- Macro and Micro pores allow complete remodeling
- Completely remodels to host bone while preserving volume (12-18 months*)

APPLICATIONS

- Ridge preservation
- Extraction site repair
- Sinus lift procedures
- Ridge augmentation
- Osseous defects
- Periodontal defects

*Resorption and bone regeneration times are estimates as each patient and case is unique.

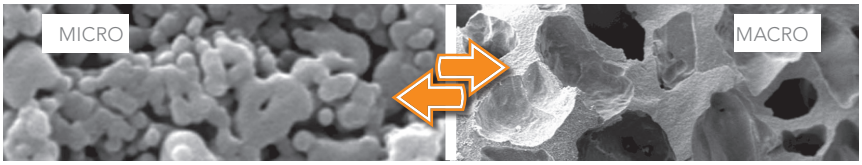
AVAILABILITY

Granules (0.5 - 1 mm) available in syringes of 0.5 cc & 1 cc or in vials of 0.25 cc, 0.5 cc & 1 cc

Granules (1 - 2 mm) available in vials of 2 cc

Putty available in syringes of 0.5 cc & 1 cc

Microporosity (pores <10µm) allows the diffusion of biological fluids, by the capillary action, into the three-dimensional matrix. Inside the fine pores of the matrix, biological fluids dissolve ß-TCP producing calcium phosphate ions that are released back into the biological fluids. This saturation of ions leads to precipitation of apatite crystal identical to that of the natural bone minerals. Shortly afterwards, this process creates a surface that promotes bone cell adhesion.



Macropores (300 to 600 µm) promote a deep invasion of osteogenic cells by osteoconduction. Through the same resorption and formation cycle as the natural bone remodeling process, new bone increases progressively at the expense of Eclipse.

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