Synthetic Bone Graft with Excellent Osteogenesis and Bone Replacement
(Synthetic Bone Substitute)

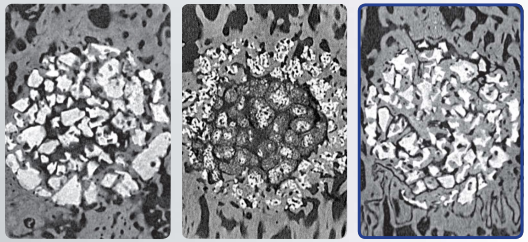
Q-Oss+

- Optimal composition for osteogenesis (β-TCP 80% + HA 20%)
- Outstanding pore structure and blood wettability
- Excellent bone replacement capacity is appropriate for use at sites requiring bone tissue replacement

Optimal Composition for Osteogenesis

- Q-Oss+ is composed of β-TCP 80% + HA 20%, which is the optimal composition for osteogenesis

3 : 7 | 10 : 0 | **8 : 2** (Q-Oss+)

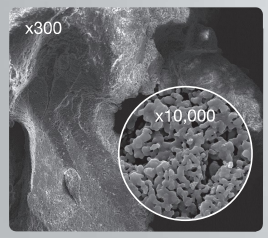


Low osteogenesis | Unstable volume maintenance | High osteogenesis and stable volume maintenance

Outstanding Pore Structure and Blood Wettability

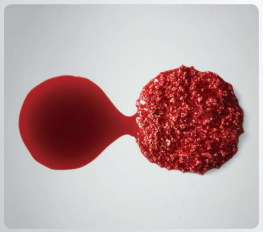
- Inter-connected micropores create high specific surface area (mean 2.0 m^2/g)
- Outstanding blood permeability and osteoblasts in blood lead to osteogenesis

Pore Structure

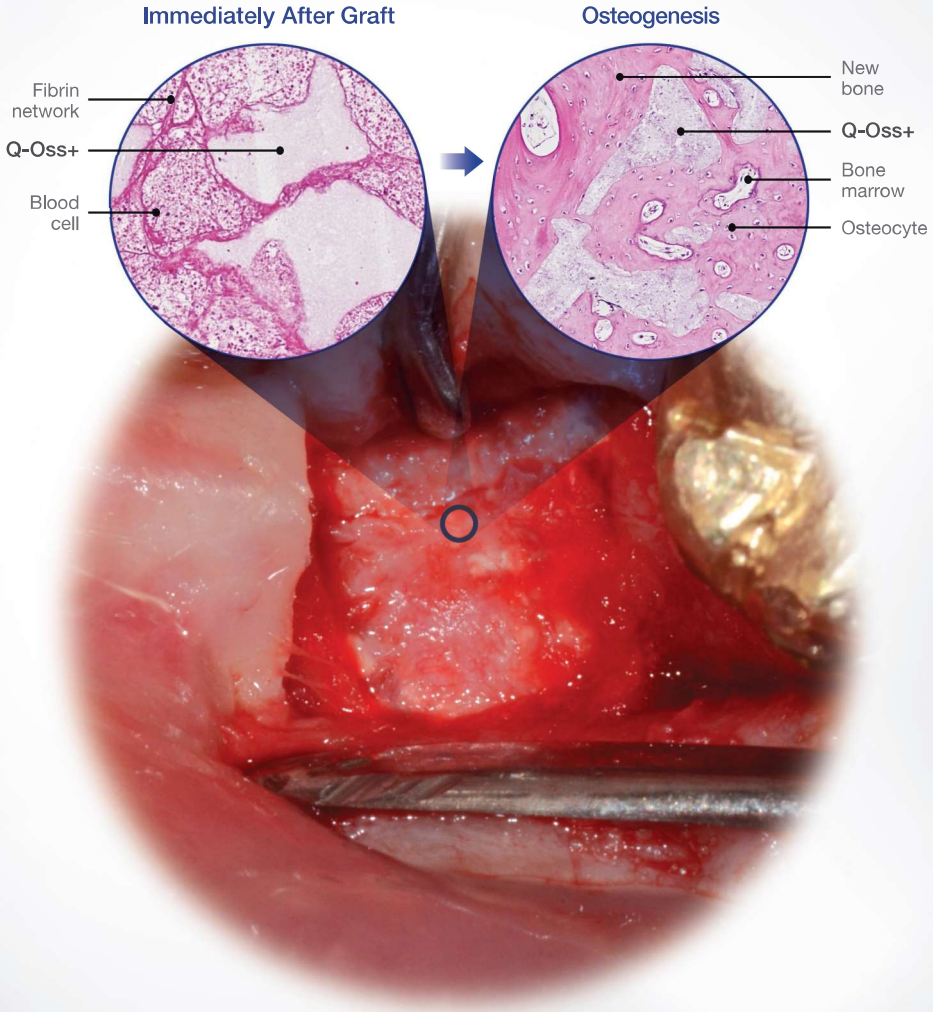


Macropores & micropores

Blood Permeability



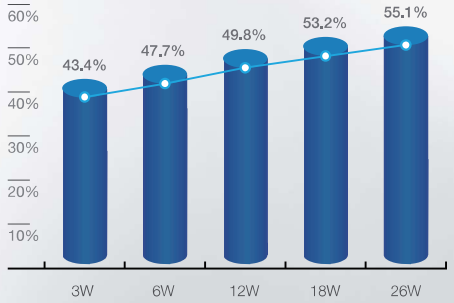
Q-Oss+ 1.0cc, contains 1.0cc of blood



Outstanding Pore Structure and Blood Wettability

- Q-Oss+ is gradually disintegrated / absorbed during the period of new bone formation
- Appropriate for implant surgeries and posterior areas where bone replacement is required

Osteogenesis



Bone Replacement (Micro-CT)