More and better bone
Significantly more bone formation and better defect closure were observed underneath Geistlich Bio-Gide®. Defects without a membrane showed a 32.8% defect closure after 12 weeks of healing, whereas similar defects covered by Geistlich Bio-Gide® presented a 90.0% closure (measured by microradiography and micro-CT imaging in a rat model).

More bone volume and improved bone quality lead to a higher implant survival rate.
Covering the defect with Geistlich Bio-Gide® increases the bone density after 16 weeks significantly by 37.3% compared to the use of Geistlich Bio-Oss® alone. Bone density in the regenerated defect area (dog mandible) was measured by CT scan and compared to the intact adjacent alveolar bone.


Geistlich Bio-Gide® is a native, porcine, resorbable collagen membrane. Due to its two layers (bilayer structure), it supports both bone and soft tissue regeneration. The natural 3D structure of Geistlich Bio-Gide® is degraded without inflammation and thus is highly biocompatible.


