Reagent for research

MedGel™ II

For sustained release of bioactive substances
Biodegradable and absorbable gelatin hydrogel

- A bio-absorbable gelatin hydrogel capable of sustained release of physiologically active substances.
- MedGel™ was developed based on research results of Prof. Yasuhiko TABATA, at the Institute for Life and Medical Sciences, Kyoto University.

Application fields Cell / Regenerative medicine research, 3D-organ, Pharmacology research, Drug delivery, Biomaterial

Categories Cell research products, Biotechnology research support products, Animal experiment related products

MedGel™ sheet II (pI5)

- Storage : Room temperature
- Expiration : 2 years from date of manufacture
- pI (isoelectric point) : approximately 5, negative charge in physiological pH

MedGel™ particle II (pI5)

- Storage : Room temperature
- Expiration : 2 years from date of manufacture
- pI (isoelectric point) : approximately 5, negative charge in physiological pH

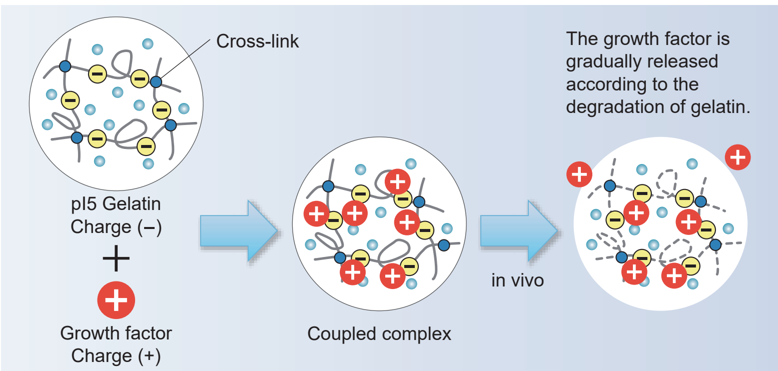
Use case

A

B

After 1 week embedded in the dorsal area of mouse, remarkable angiogenesis was observed in the MedGel™ sheet II (pI5) with bFGF (Fig. A*) compared to bFGF only (Fig. B)

Mechanism of DDS



Can conjugate with bioactive substances by simple adsorption

Stabilize bioactive substances which tends to degrade easily in vivo

Comes in two forms sheets & particle [γ-ray irradiated]

MedGel™ sheet II (pI5)

MedGel™ particle II (pI5)

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