Methacrylated Silk Fibroin (SFMA)

Cat. No. BINK-017
Lot. No. (See product label)

PRODUCT INFORMATION

Product Name Methacrylated Silk Fibroin (SFMA)
Synonyms Methacrylated Silk Fibroin (SFMA)

Product overview
1. This product is a photosensitive biological material, which has the same good biocompatibility and cell adhesion as silk fibroin (raw material).
2. This product can be used in conjunction with photoinitiators to cross-link and cure under the action of blue light or ultraviolet light.
3. The higher the concentration of this product, the greater the elastic modulus after curing.
4. This product can be loaded with cells for 3D printing.
5. This product can be mixed with other photosensitive biological materials (such as HAMA, CSMA, etc.)

Morphology & Appearance White Powder
Storage Dark, Dry, -20 to 4 °C
Usage

1. The recommended concentration of this product is 20%-30% (W/V). The dissolution temperature should below 40 centigrade, and the solution can be filtered and sterilized through a 0.22um filter.

2. When using this solution, avoid repeated freezing and thawing.

3. This product is used in combination with LAP, and can be cross-linked and cured under the visible light spectrum of 365-405 nm.