

mimsys G

Specifications

Reference No: PB-060201-1000
060201

Intended use Research Use Only

Description: mimsys G is a methacrylated ester of gellan-gum which forms hydrogels by ionic force or photo-polymerization.

The material shows high biocompatibility, versatility and is capable of cell encapsulation, incorporation of biomolecules and therapeutic drugs useful for general R&D, cell culturing, tissue engineering and other regenerative medicine applications.

It is possible to work with this hydrogel at physiological temperatures and the gel transparency facilitates the fluorescent microscopy and cell label assays.

Characteristics: Color off-white
Soluble in deionized water/PBS at room temperature;
Xeno-free;
Gelation by ionic-force;
Possible use of photo-crosslinking for gelation.

Notable Features: User friendly at physiological temperatures;
High reproducibility;
Crosslinking in situ;
Injectable material for cellular and acellular systems;
Suitable platform for peptides/growth factor integration/incorporation;
Customize your hydrogel stiffness;
Gelation will occur in less than 5 minutes.

Applications: 3D cell culture; experiments concerning cell viability and cell proliferation; studies concerning tissue engineering and regenerative medicine applications.

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