

## LifeInk 100

Product Number 5204-1EA

LifeInk 100, a purified methacrylated Type I bovine collagen kit, which provides native-like 3D collagen gels with the unique attributes to be prepared at various concentrations and crosslinked to provide various gel stiffness.

The methacrylated Type I collagen is produced from telo-peptide intact bovine collagen where the collagen has been modified by reacting the free amines, primarily the  $\epsilon$ -amines groups of the lysine residues as well as the  $\epsilon$ -amines groups on the N-termini. Approximately 40% of the total lysine residues of the collagen molecule have been methacrylated.

The 20 mM acetic acid solution is provided to solubilize the lyophilized methacrylated collagen at concentrations ranging from 3 to 8 mg/ml. The neutralization solution consists of an alkaline 10X phosphate buffered saline (PBS) solution which provides physiological salts and pH in the final mixture. The photoinitiator solution consists of Irgacure 2959 as a powder to be formulated in methanol, which allows UV crosslinking of the collagen at 365 nm. (Note – Irgacure in solution has a shelf life of 2 weeks. Only dissolve required amount of Irgacure powder in a 10% solution)

### Specifications

Product Number	5204-1EA
Feature	Methacrylated Type I Collagen Kit for Crosslinkable Hydrogels
Size	kit

#### CellSystems GmbH

Langer Ring 5 · D-53842 Troisdorf

Phone +49 (0) 2241.25515 - 0 · Fax +49 (0) 2241.25515 - 30  
Internet <http://cellsystems.de> · Email [info@cellsystems.de](mailto:info@cellsystems.de)