

Products for the formation of tunable 3D Hydrogels by photo-crosslinking:

Product	Photoinitiator	CatNo.	Application
ECM Glycosaminoglycan			
PhotoHA®-Stiff Methacrylated Hyaluronic Acid (HA), sterile	100 mg (HA only) with Irgacure Kit with LAP Kit with Ruthenium Kit	#5212-100MG #5220-1KIT #5274-1KIT #5275-1KIT	For native-like 3D HA Hydrogels with tunable gel stiffness as well as bioprinting.
PhotoHA®-Soft Methacrylated Hyaluronic Acid (HA), sterile	100 mg (HA only)	#5388-100MG	For native-like 3D HA Hydrogels with tunable stiffness and bioprinting. PhotoHA®-Soft forms softer hydrogels than PhotoHA®-Stiff
Methacrylated ECM Proteins			
PhotoCol® Methacrylated Collagen (Col), sterile	100 mg (Collagen only) with Irgacure Kit with LAP Kit with Ruthenium Kit	#5198-100MG #5201-1KIT #5270-1KIT #5271-1KIT	For 3D Hydrogels and tunable gel stiffness as well as bioprinting.
PhotoGel® Metacrylated Gelatin (Gel) ~95% DOM DS, sterile	2x500 mg (Gelatin only) with Irgacure Kit with LAP Kit with Ruthenium Kit	#5208-1GM #5215-1KIT #5272-1KIT #5273-1KIT	For 3D Hydrogels and tunable gel stiffness as well as bioprinting.
PhotoGel® Metacrylated Gelatin (Gel) ~50% DOM, sterile	2x500 mg (Gelatin only)	On request	For 3D Hydrogels and tunable gel stiffness as well as bioprinting.
Methacrylated Polysaccharides			
PhotoDextran® Methacrylated Dextran	1 g (Dextran only) with Irgacure Kit with LAP Kit with Ruthenium Kit	#5311-1GM #5331-1KIT #5332-1KIT #5333-1KIT	For 3D Hydrogels and tunable gel stiffness as well as bioprinting.
PhotoAlginate® Methacrylated Alginate	200 mg (Alginate only) with Irgacure Kit with LAP Kit with Ruthenium Kit	#5310-200MG #5353-1KIT #5354-1KIT #5355-1KIT	For 3D Hydrogels and tunable various gel stiffness. It is unique in that it can also be crosslinked using calcium.
PhotoChitosan® Methacrylated Chitosan	100 mg (Chitosan only) with Irgacure Kit with LAP Kit with Ruthenium Kit	#5428-100MG #5443-1KIT #5441-1KIT #5442-1KIT	Advanced material for tissue engineering, drug delivery and regenerative medicine applications. For 3D Hydrogels and tunable various gel stiffness.
Methacrylated Sericin			
PhotoSericin® Methacrylated Sericin	1 g (Sericin only) with LAP Kit with Ruthenium Kit	#5430-1GM #5431-1KIT #5432-1KIT	Advanced material for tissue engineering, drug delivery and regenerative medicine applications. For 3D Hydrogels and tunable various gel stiffness.
Diacrylates			
PEGDA (Polyethylen Glycol Diacrylate) Bulk Powder, non-Sterile	1000 MW, 1 g 3400 MW, 1g 3400 MW, 5g 6000 MW, 1g 10.000 MW, 1g 20.000 MW, 1g	#5337-1GM #GS700-1G #GS705-5G #5339-1GM #5340-1GM #5341-1GM	Blank slate Hydrogel, gels rapidly at room temperature. For 2D and 3D culture, tissue engineering and photolithography. Can be customized to include a variety of biological molecules.



Your Partner for Life Science Products for more than 30 years.