

Product Information



Product name: *3-D Life* Maleimide-Dextran Set







Description: *3-D Life* Maleimide-Dextran Set is a component of the *3-D Life* Hydrogel system. It contains maleimide-functionalized dextran (Mal-Dextran) that can be used together with PEG-Link (Cat. No. L50-1 or L50-3) or CD-Link (Cat. No. L60-1 or L60-3) to set up biomimetic hydrogels for 3-D cell culture. The use of Mal-Dextran allows degradation of the hydrogel by addition of dextranase, and thus recovery of cells for further cultivation or post-culture analyses (e.g. RT-PCR). 10 x CB (pH 5.5) and 10 x CB (pH 7.2) are buffers to control pH and osmotic conditions during gel formation in the presence of cells. Thioglycerol is a control reagent which can be used to maintain hydrogel strength in experiments, where cellular phenotypes are analyzed in peptide-modified versus unmodified hydrogels. Further information and detailed protocols are available in the *3-D Life* Hydrogels User Guide, http://www.cellendes.com/pdfs/manual_hydrogel.pdf.

Catalog number: M90-3

Quantity: For modification with 1 mmol/l adhesion factor (e.g. peptides) and formation of 3 ml *3-D Life* Hydrogel at a concentration of 4 mmol/l of reactive groups, if used together with thiol-functionalized polymers.

Application: *3-D Life* Maleimide-Dextran Set can be used together with PEG-Link (Cat. No. L50-1 or L50-3) or CD-Link (Cat. No. L60-1 or L60-3) to establish hydrogels for 3-D cell cultures.

Components:

	Materials provided ¹	Quantity	Storage Temperature
	Mal-Dextran (30 mmol/l maleimide groups) ²	3x 170 μ l	-20°C or -80°C
	Thioglycerol (20 mmol/l thiol groups)	180 μ l	-20°C or -80°C
	10 x CB (pH 7.2)	600 μ l	-20°C or -80°C
	10 x CB (pH 5.5)	600 μ l	-20°C or -80°C
	Dextranase (avoid frequent freeze-thawing)	3x 500 μ l	4°C or -80°C
	Water	2x 1200 μ l	any

¹ All materials are filter-sterilized.

² Lyophilized; reconstitute as described in the Data Sheet provided with the product.

NOTE: INTENDED FOR RESEARCH USE ONLY. NOT FOR USE IN HUMAN THERAPEUTIC OR DIAGNOSTIC APPLICATION.