

# Product Information



- Product name:** *3-D Life* Maleimide-PVA Set
- Description:** *3-D Life* Maleimide-PVA Set is a component of the *3-D Life* Hydrogel system. It contains maleimide-functionalized polyvinyl alcohol (Mal-PVA) 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. 10 x CB (pH 7.2) and 10 x CB (pH 5.5) 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](http://www.cellendes.com/pdfs/manual_hydrogel.pdf).
- Catalog number:** M80-3
- 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-PVA 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 <sup>1</sup>	Quantity	Storage Temperature
	Mal-PVA (30 mmol/l maleimide groups)	3x 170 $\mu$ l	-80°C
	Thioglycerol (20 mmol/l thiol groups)	180 $\mu$ l	-20°C or -80°C
	10 x CB (pH 7.2)	600 $\mu$ l	-20°C or -80°C
	10 x CB (pH 5.5)	600 $\mu$ l	-20°C or -80°C
	Water	2x 1200 $\mu$ l	any

<sup>1</sup> All materials are filter-sterilized.

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