Product Data Sheet

Product Name	*3-D Life* PEG-Link

Catalog Number L50-1

Description *3-D Life* PEG-Link is a component of the *3-D Life* Hydrogel system. The PEG-Link molecule consists of polyethylene glycol carrying a thiol at each end. When combined with polymers of the *3-D Life* Hydrogel system, thiol groups on PEG-Link form stable thioether bonds with the thiol-reactive groups on the polymers, which results in the formation of the hydrogel. PEG-Link can be used with *3-D Life* functionalised polymers Mal-PVA, Mal-Dextran, SG-PVA and SG-Dextran.For using this product please consult General Protocols GP-1 "Preparation of *3-D Life* Fast Gelling Hydrogels" or GP-2 "Preparation of *3-D Life* Slow Gelling Hydrogels" and the *3-D Life* Hydrogels User Guide on www.cellendes.com.

Quantity When used with polymers of the *3-D Life* Hydrogel system up to 2 ml *3-D Life* Hydrogel can be generated, depending on the stiffness of the gel.

Components

	Material	Quantity	Concentration of reactive groups	Storage
●	PEG-Link, lyophilized	200 µl*	20 mmol/L* thiol groups	Lyophilisate and after reconstitution: -20°C to -80°C
○	Water	600 µl	n/a	Room temperature or lower

All materials are filter-sterilized.
*Volume/concentration after reconstitution of lyophilisate.

Reconstitution PEG-Link:

1. Briefly centrifuge vial containing the PEG-Link lyophilisate to make sure that the entire material is at the bottom of the reaction tube.
2. Add 188 µl *3-D Life* Water per tube for a concentration of 20 mmol/L thiol groups. This results in a 200 µl PEG-Link solution.
3. Close tube and briefly vortex.
4. Incubate for 5 min.
5. Briefly vortex and centrifuge again.
6. PEG-Link is now ready for use.

Intended for research use only. Not for use in human therapeutic or diagnostic applications.

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