

Product Data Sheet

Product Name *3-D Life* SG-Dextran

Catalog Number M91-3




Description *3-D Life* SG-Dextran is a component of the *3-D Life* Hydrogel system. It contains dextran functionalized with thiol-reactive groups (SG-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 slow gelling, cell-compatible hydrogels.

When crosslinked with PEG-Link or CD-Link Dextran-based *3-D Life* Hydrogels can be dissolved by the addition of dextranase (*3-D Life* Dextranase, Cat. No. D10-1), which allows the recovery of chemically fixed or live cells for post-culture analyses (e.g. RT-PCR) or for further cultivation. Dextran hydrogels crosslinked with HyLink cannot be dissolved by dextranase.

10 x CB (pH 7.2) is a buffer to control pH and osmotic conditions during gel formation in the presence of cells. For more information and instructions, please consult the General Protocol GP-2 "Preparation of *3-D Life* Slow Gelling Hydrogels" and the *3-D Life* Hydrogels User Guide on www.cellendes.com.

Quantity Allows formation of up to 6 ml *3-D Life* Hydrogel depending on the stiffness of the gel, if used together with thiol-functionalized polymers (*3-D Life* PEG-Link or CD-Link).

Components

Material	Quantity	Concentration of reactive groups	Storage
 SG-Dextran	3x 170 µl	30 mmol/L thioreactive groups	Short term (≤2 months): 4°C Long Term: -80°C
 10x CB (pH 7.2)	600 µl	n.a.	Short term (≤2 months): 4°C. Long term: -20°C to -80°C.
 Water	4x 1500 µl	n.a	Room temperature or lower

All materials are filter-sterilized.

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