

Product Data Sheet



Product Name *3-D Life* HyLink

Catalog Number L70-1

Description *3-D Life* HyLink is a component of the *3-D Life* Hydrogel system. The HyLink molecule consists of hyaluronic acid carrying thiol groups along its backbone. When combined with SG-Polymers of the *3-D Life* Hydrogel system, thiol groups on HyLink form stable thioether bonds with the thiol-reactive groups on the polymers, which results in the formation of the hydrogel. HyLink can be used with *3-D Life* functionalized polymers SG-PVA and SG-Dextran. For using this product please consult General Protocol GP-4 "Preparation of *3-D Life* Hyaluronic Acid (HA) Hydrogels" and the *3-D Life* Hydrogels User Guide on www.cellendes.com.

Quantity Sufficient for 1.6 ml hydrogel of a crosslinking strength of 1.2 mmol/l when used with SG-Polymers of the *3-D Life* Hydrogel system.

Components

Material	Quantity	Concentration of reactive groups	Storage
 HyLink, lyophilized	200 µl*	10 mmol/L* thiol groups	Lyophilisate and after reconstitution: -70°C
 Water	600 µl	n/a	Room temperature or lower

All materials are filter-sterilized.

*Volume/concentration after reconstitution of lyophilisate.

Reconstitution HyLink:

1. Briefly centrifuge vial containing HyLink 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 10 mmol/L thiol groups.
3. Close tube and briefly vortex.
4. Incubate for 60 min at room temperature.
5. Briefly vortex and centrifuge again.
6. HyLink is now ready for use.

Notes

After reconstitution, HyLink is a viscous solution. Low binding pipet tips are recommended for accurate pipetting up to 20 µl. For volumes above 20 µl use wide orifice pipet tips.

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