



PVA (SG)-based PEG-Link Hydrogel Kit (slow)

Cat. No. HG024

Lot. No. (See product label)

Product Description

The PVA (SG)-based PEG-Link Hydrogel Kit provides reagents for setting up slow gelling, cell-compatible hydrogels. Its major components are the polymeric SG-PVA and the crosslinker PEG-Link. When the two reagents are combined, thiol groups on PEG-Link form stable thioether bonds with thiol-reactive groups on SG-PVA, which results in the formation of the gel. The components are mixed at physiological pH (pH 7.2) for optimal cell compatibility. The slow gelation kinetics allows enough time to conveniently manipulate the solution before the onset of gel formation.

Prior to the crosslinking step, peptides can be covalently attached to a portion of the SH-reactive groups of SG-PVA to provide a cell-adhesive matrix.

Application	3-D cell culture
Components	SG-PVA, lyophilized: 170 μL^* , 30 mmol/L* PEG-Link, lyophilized: 200 μL^* , 20 mmol/L* 10x CB (pH 5.5): 200 μL Water: 2 x 1500 μL
Note	Allows formation of up to 2 mL PVA(SG)-based PEG-Link Hydrogel depending on the grade of stiffness of the gel.

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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