



PVA (Mal)-based PEG-Link Hydrogel Kit (Fast)

Cat. No. HG022

Lot. No. (See product label)

Product Description

The PVA (Mal)-based PEG-Link Hydrogel Kit provides reagents for setting up fast gelling, cell-compatible hydrogels. Its major components are maleimide-functionalized polyvinyl alcohol (Mal-PVA) and the crosslinker PEG-Link. When the two reagents are combined, thiol groups on PEG-Link form stable thioether bonds with maleimide groups on Mal-PVA, which results in the formation of the gel.

Prior to the crosslinking step, cell adhesion peptides can be covalently attached to a portion of the maleimide groups of Mal-PVA to provide a cell-adhesive matrix.

Application

3-D cell cultures
Hydrogel barriers

Components

Mal-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(Mal)-based PEG-Link Hydrogel depending on the stiffness of the gel.

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

www.matexcel.com/hydrogel

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