

## Product Information

### TrueGel3D crosslinker

PEG non cell-degradable crosslinker

Catalog Number **TRUEPEG**

Storage Temperature  $-70\text{ }^{\circ}\text{C}$

### Product Description

PEG non cell-degradable crosslinker consists of thiol groups at each end of polyethylene glycol that react with the polymer to encapsulate cells in a hydrogel. PEG based crosslinkers are suitable for biological applications because they do not elicit an immune response.

The chemically defined hydrogel formed from PEG non cell-degradable crosslinker and polymers (DEXTRAN/PVA) are transparent, which can mimic natural extracellular matrix environment (ECM) with complete control over gel stiffness.

### Components

- PEG non cell-degradable crosslinker, 200  $\mu\text{L}$  lyophilized  
Each tube contain 20 mmol/L of reactive groups  
Catalog Number TRU-PEG
- Water 600  $\mu\text{L}$   
Catalog Number TRUWA

### Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Safety Data Sheet for information regarding hazards and safe handling practices.

### Preparation Instructions

- Centrifuge the vial to make sure entire material is at the bottom of the tube.
- Add 188  $\mu\text{L}$  of water to make a concentration of 20 mmol/L thiol groups.
- Vortex until all material is dissolved.
- Incubate at room temperature for 5 minutes.
- Vortex and centrifuge the tube.
- PEG non cell-degradable crosslinker is now ready to use

### Storage/Stability

- The lyophilized powders may be stored unopened in the original bottles at  $-70\text{ }^{\circ}\text{C}$  for up to one year.
- Do not expose the PEG non cell-degradable crosslinker to air longer than necessary to avoid oxidation of thiol groups. After reconstitution, it can be stored at  $-20\text{ }^{\circ}\text{C}$  or  $-70\text{ }^{\circ}\text{C}$ .
- Water can be stored between  $-70\text{ }^{\circ}\text{C}$  and room temperature.

BG,MAM 01/18-1