

## Product Information

### TrueGel3D Polymer

Modified for slow gelling (SLO-PVA)

Catalog Number **TRUEPVAS**

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

Synonym: SLO-PVA Polymer

### Product Description

SLO-PVA polymer is a synthetic non-degradable polymer functionalized with thiol-reactive groups, which react slowly with crosslinkers (PEG or CD cell-degradable crosslinker) to form biomimetic hydrogels. It can be customized by adding RGD peptide to provide attachment sites for cells. TrueGel3D buffer, pH 7.2, provided in the kit helps to control pH and osmotic conditions during gel formation.

The chemically defined hydrogels formed from SLO-PVA polymer and crosslinkers are transparent and can mimic natural extracellular matrix environment with complete control over gel stiffness. The slow gelling hydrogels formed from SLO-PVA polymers are used in microchannels or syringes.

### Components

- SLO-PVA solution in phosphate buffer (Each tube contain 30 mmol/L of reactive groups) Catalog Number TRU-SPVA  $3 \times 170\text{ }\mu\text{L}$
- TrueGel3D buffer, pH 7.2, 10 $\times$  Catalog Number TRUEBUF-72PH  $600\text{ }\mu\text{L}$
- Water Catalog Number TRUWA  $4 \times 1,500\text{ }\mu\text{L}$

### 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.

### Storage/Stability

- SLO-PVA may be stored at  $-70\text{ }^{\circ}\text{C}$  for long term and  $4\text{ }^{\circ}\text{C}$  for short term.
- Buffers are stored at  $4\text{ }^{\circ}\text{C}$  for short term (<2 months) and between  $-20\text{ }^{\circ}\text{C}$  and  $-70\text{ }^{\circ}\text{C}$  for long term.
- Water can be stored between  $-70\text{ }^{\circ}\text{C}$  and room temperature.

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