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Product Information

TrueGel3D Polymer
Modified for slow gelling (SLO-DEXTRAN), allows cell recovery

Catalog Number **TRUEDEXS**
Storage Temperature –70 °C

Product Description

SLO-DEXTRAN polymer is a natural degradable polymer functionalized with thiol-reactive groups, which react slowly with PEG or CD cell-degradable crosslinkers to form biomimetic hydrogels. It can be customized by adding RGD peptide to provide attachment sites for cells. The TrueGel3D buffer, pH 7.2, provided in the kit helps to control pH and osmotic conditions during gel formation. TrueGel3D hydrogel formed from dextran polymers can be dissolved by treatment of TrueGel3D enzymatic cell recovery solution for post culture analysis.

The chemically defined hydrogel formed from SLO-DEXTRAN polymers allows complete control over gel stiffness. The polymers are transparent and mimic the natural extracellular matrix environment. The slow gelling hydrogels formed from SLO-Dextran polymers are used in microchannels or syringes.

Components

- SLO-DEXTRAN 3 × 170 µL
  Solution in phosphate buffer
  Each tube contain 30 mmol/L of reactive groups
  Catalog Number TRU-SGD

- TrueGel3D buffer, pH 7.2, 10× 600 µL
  Catalog Number TRUBUF-72PH

- Water 4 × 1500 µL
  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

- Briefly vortex and centrifuge the tube to make sure entire material is at the bottom of the tube.
- Incubate the tube on ice for 5 minutes.
  Note: Keep on ice while in use.
- SLO-DEXTRAN polymer is now ready to use.

Storage/Stability

- SLO-DEXTRAN may be stored at –70 °C for long term and 4 °C for short term.
- Buffers are stored at 4 °C for short term (<2 months) and between –20 °C to –70 °C for long term.
- Water can be stored between –70 °C and room temperature.

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