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Product Information

TrueGel3D RGD
Integrin adhesion peptide

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

Product Description

The TrueGel3D RGD peptide covalently binds to polymers (Dextran/PVA) and promotes cell adhesion by binding to specific integrin receptors on the cell surface. The thiol group at one end immobilizes the peptide on polymers while leaving the other end (containing RGD motif) free to bind with cell surface proteins (integrin receptors).

RGD peptide acts as adhesion factor to culture cells either on the surface of TrueGel3D hydrogels or between two layers of hydrogels to mimic extracellular matrix (ECM) environment.

Components

- TrueGel3D RGD peptide lyophilized — 1 μmol
  Peptide sequence - Acetyl-Cys-Doa*-Doa-Gly-Arg-Gly-Asp-Ser-Pro-NH_2
  * Doa: 8-amino-3,6-dioxaoctanoic acid
  Catalog Number TRU-GD1

- Water — 600 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

- Centrifuge the vial to make sure entire material is at the bottom of the tube.
- Reconstitute a tube with 48 μL of water to make a concentration of 20 mmol/L.
- Vortex until all material is dissolved.
- Incubate reconstituted TrueGel3D RGD peptide for 5 minutes.
- Briefly vortex and centrifuge the tube.
- TrueGel3D RGD peptide is now ready to use.

Storage/Stability

- The lyophilized powders may be stored unopened in the original bottles at –70 °C for up to one year.
- TrueGel3D RGD can be stored between –20 °C to –70 °C after reconstitution.
- Water can be stored between –70 °C and room temperature.

BG,MAM 01/18-1

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