

## INVIVO GEL For Your RESEARCH



# INVIVO GEL For Your RESEARCH

GelMA based versatile bioink platform

### **INVIVO** Gel Lines

**INVIVO GEL** 

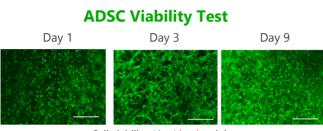
**INVIVO GEL Essential** 

INVIVO GEL VEGF

INVIVO GEL TGF-B

## INVIVO GEL

### Cell proliferation assay (Live & Dead assay)



Cell viability: Live/dead staining

Seeding density: 6 x 105 cells/ml (ADSC) UV exposure time: 45sec Scale bar - 500um

INVIVO GEL showed excellent cell viability, promoting long term culture

### Structural stability



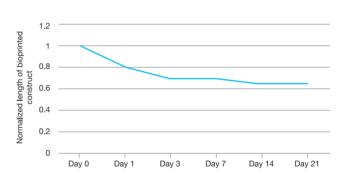


MATERIALS: INVIVO-GEL (GeLMA) CONDITION Seeding density: 5 x 105 cells/ml (ADSC), 1 x 105 cells/ml (RFP-HUVEC) UV exposure time: 45sec Scale bar - 100um 3D Vascularization test Day 0 Day 3 Day 10 Day 10

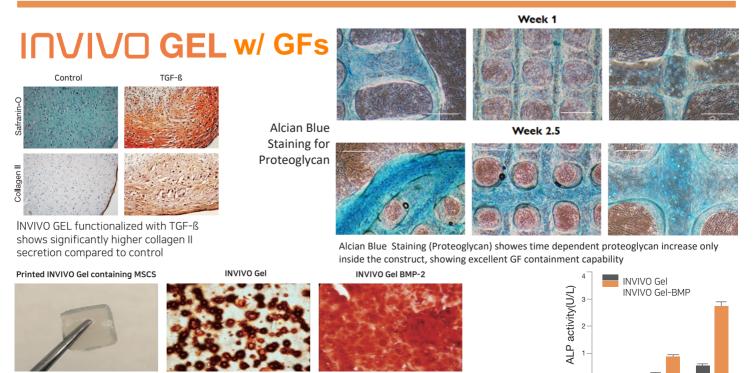
**3D Vascularization Assay** 

**INVIVO GEL BMP-2** 

INVIVO GEL supported rapid HUVEC migration and 3D tubular network formation



Structural stability maintained well after 21 days



INVIVO GEL functionalized with BMP-2 strongly promotes osteogenic differentiation

2 Culture time (week)