



# Vivo Biosciences Inc.

*Accelerating Preclinical Research & Drug Discovery  
Through 3D Human Bioassay Technology*

## Current Biomatrix Culture Systems:

**Purified:** Collagen, Gelatin, Fibrin gels  
**Synthetic:** PLA, Alginate, Hydrogel, Puramatrix  
**Reconstituted:** Matrigel, Cultrex, Geltrex

## Now... Human Biomatrix Culture System

Properties	Novelty of HuBiogel™
Source:	Human Amnions (IRB-approved, Pooled, Pathogen-free)
ECM nature:	Natural Biomatrix (GLP/QC-production facility)
Key Components:	Col-I (38%), Laminin (22%), Col-IV (20%), Col-III (7%), Entactin & HSPG (<3%)
GFs/ Proteases:	Undetectable levels of EGF, VEGF, PDGF, TGF, FGF
Unique Biology:	Maintains cell phenotypes, Controlled differentiation, Physiologic gene/biomarker profiles (1-4 wk assays)

(USPTO# 7727550 granted in 2010)

## HuBiogel Technology Highlights:

- Supports long-term cultivation of single or multiple cell types
- Offers physiologically relevant cell-matrix environment
- 2D & 3D culture designs for basic and preclinical research
- Develop normal and disease biology models
- Defined formulations for In vitro and In vivo experiments

**Products:** 2D HuBiogel™ culture reagents (LD-HG)

**Services:** 3D HuBiogel™ assay models (HD-HG)

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