



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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