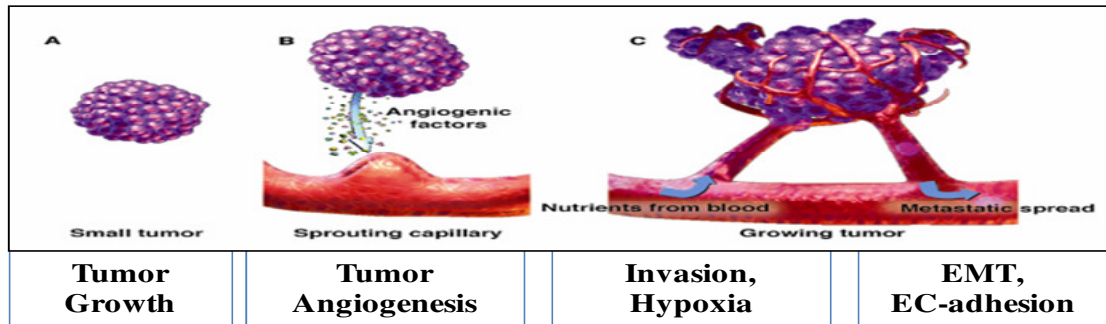


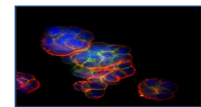
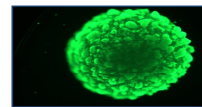
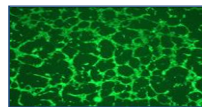
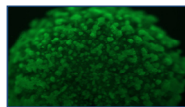


HuBiogel™ & HuTumor Bioassay Technology

New fully-human culture & assay conditions
Supports long-term growth & functions of many cell types



3D-HuBiogel Assay Models:

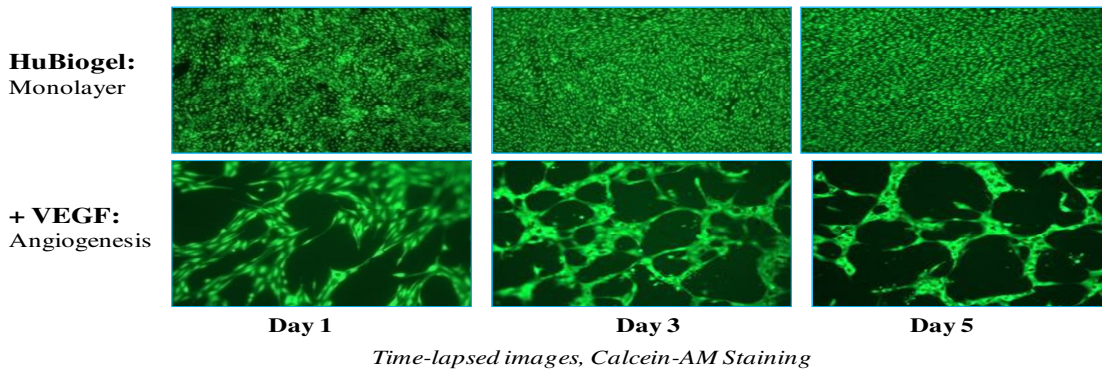


Replicating Human Tumor Microenvironment In Vitro

Monotypic & Heterotypic HuTumor Assay Models

3D HuBiogel Culture	Assay Endpoints
Tumor-Fibroblast	Growth, Invasion
Tumor-Endothelial	Angiogenesis
Tumor-Immune	Hypoxia
Tumor-MSC	EMT, Metastasis

Real-time Angiogenesis Assay: VBI has developed a novel bioassay for studying EC morphogenesis or capillary-formation: **AngioStart™**, which allows rapid analysis of both pro- and anti-angiogenesis agents. GF-free status of HuBiogel allows ECs to maintain undifferentiated monolayer (for days) and angiogenesis can be induced by specific GFs or co-culture with tumor cells/media.



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