

Xeno-free 3D Culture Hydrogel VitroGel®



Xeno-free

동물 유래 성분 없이
더 확실한 xenograft 가능!



Injectable

이온 농도 변화에 의한 soft
gelling 형성으로 injection 용이



Biocompatible

in vivo 안정성 및 cell activity 보장



Room temperature stable

Ready to use!

얼음을 준비할 필요 없어요!



Automation friendly

상온에서 액체상태로 존재
Pipetting/automation에 최적화

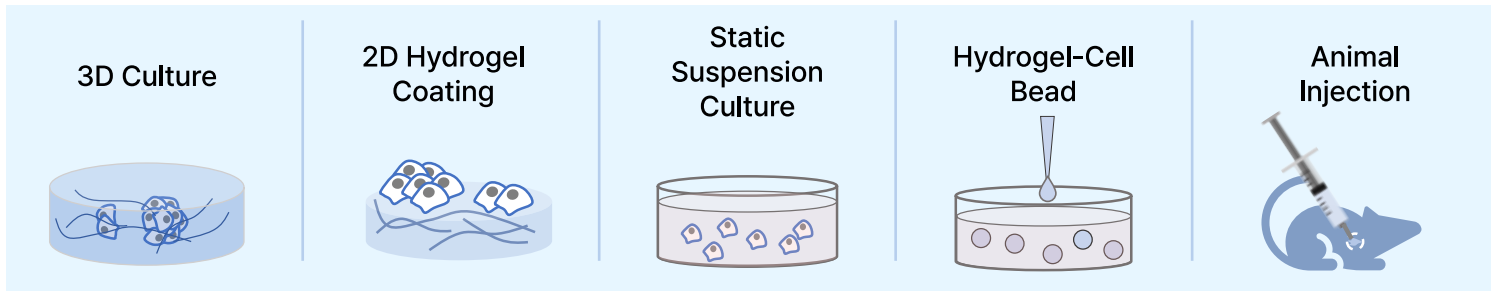


Easy harvesting

15분 안에 harvesting 완료!



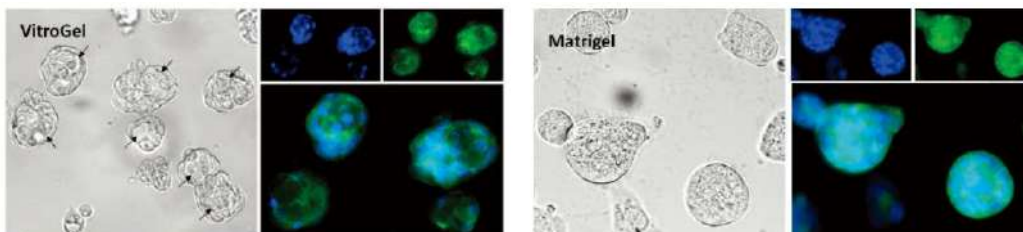
VitroGel® Application



VitroGel® Order Information

Ready to Use Hydrogel		High Concentration Hydrogel		
Cat#	Name	Cat#	Name	Specification
VHM01	VitroGel® Hydrogel Matrix	TWG001	VitroGel® 3D High Concentration	
VHM02	VitroGel® STEM	TWG003	VitroGel® RGD High Concentration	
VHM03	VitroGel® MSC	TWG009	VitroGel® COL High Concentration	Collagen-mimetic peptide
VHM04-1~4	VitroGel® ORGANOID	TWG010	VitroGel® MMP High Concentration	MMP sensitive peptide (MMP-1,-2,-3,-9,-13)
VHM05	VitroGel® HEK293	TWG007	VitroGel® IKVAV High Concentration	Collagen-mimetic peptide
		TWG008	VitroGel® YIGSR High Concentration	Collagen-mimetic peptide

VitroGel® Data



Human mammary breast cancer cells cultured in VitroGel Hydrogel Matrix and Matrigel
VitroGel과 Matrigel을 이용해서 MCF-7 3D culture한 data. 두 matrix 모두 culture 1일차에 포도송이 형태의 colona가 생성됐지만, VitroGel에서만 3D luminal 형태 (검정색 화살표)가 관찰됨.