

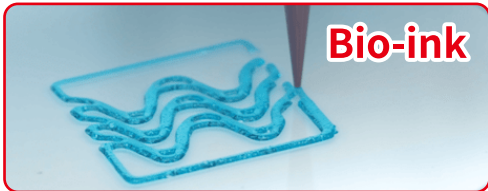


Injectable

3D Cell Culture

VitroGel® Hydrogel Matrix

Xeno-free, 실온, No희석, 바로 사용



Bio-ink



Reproducible
Batch-to-batch consistency.



Easy Harvest
Recover cells in 20 min
with our enzyme-free solution.

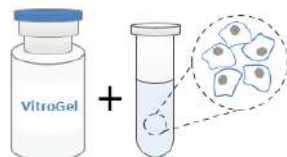


Xeno-free
100% animal origin-free
hydrogel system.

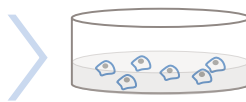


Ready-to-use
Just add cells. No activation
agent/adjustment required.
20 min protocol.

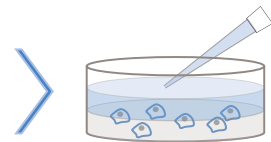
Injectable
Injectable for cell
therapy and drug delivery
applications & automation.



1 Add cells



2 Wait 10-15 min
(gelation)



3 Add top medium
& incubate



VitrINk RGD



VitrINk 3D

BioInk 이용 가능!

- Xeno-free
- Ready to Use
- No UV
- Store 2-8°C
- 3mL, 10mL

*문의요망



용비메디텍
02.881.5432



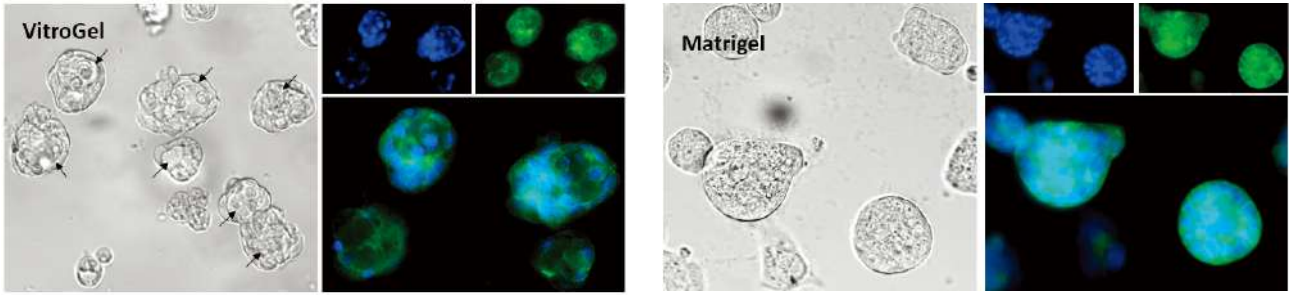
용·비·나



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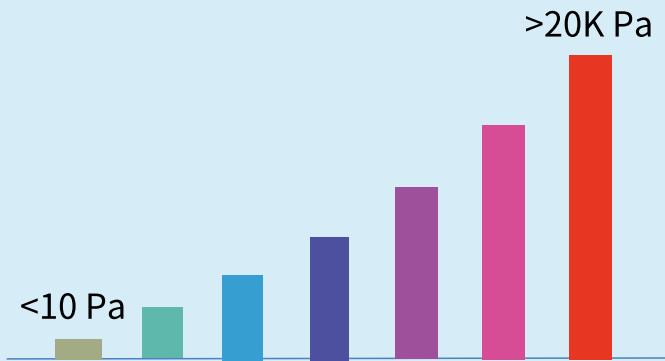
TheWell
BIOSCIENCE



Human mammary breast cancer cells cultured in VitroGel® Hydrogel Matrix and Matrigel®

Fig 1. VitroGel과 타 matrix를 이용하여 MCF-7 의 3D culture 비교. 둘 다 Day1에 콜로니 형태로 나타나지만 VitroGel의 luminal 구조를 보이는 반면 다른 제품은 spheroids 상태일 뿐입니다.

Tunable hydrogel strength



10 ~ 4000 Pa of G' of regular products at dilutions. Customized high concentration product to reach over 20K Pa

Compare VitroGel to other 3D methods

	VitroGel	Basement Membrane Matrix	Polymer Matrix	Hanging Drop Plate
Xeno-free	●		●	●
Tunable	●			
Easy-to-use	●		●	●
Multi-funtional ligands	●	●		
Mimic natural ECM	●	●		
Batch-to-batch consistency	●		●	●
Room temperature stable	●		●	●
Neutral pH	●		N/A	N/A
Easy cell harvesting	●			●
Transparent	●		●	●
Injectable	●			
Automation friendly	●		●	●

VitroGel™ Cell Recovery Solution



- Fast - VitroGel 로 부터 15분 내 Cell recovery
- SAFE – Maintain High Cell Viability
- Enzyme Free
- Neutral pH
- Works at 37 °C
- Store at 15-30 °C

** Order Information

Cat #	Products	Size	Cat #	Products	Size
VHM01	VitroGel Hydrogel Matrix	10mL	VHM02	VitroGel STEM	10mL
VHM01S	VitroGel Hydrogel Matrix	2mL	VHM02S	VitroGel STEM	2mL
VHM04-K	VitroGel Discovery Kit	Each 2mL	VHM03	VitroGel MSC	10mL
VHM04-1	VitroGel Organoid-1	10mL	VHM03S	VitroGel MSC	2mL
VHM04-2	VitroGel Organoid-2	10mL	VHM05	VitroGel HEK293	10mL
VHM04-3	VitroGel Organoid-3	10mL	VHM05S	VitroGel HEK293	2mL
VHM04-4	VitroGel Organoid-4	10mL			
MS03-100	VitroGel Cell Recovery Solution				100mL

