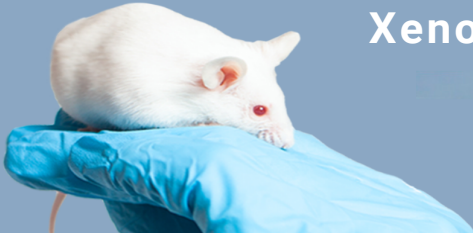


Xenograft Applications

VitroGel® for PDX & CDX



VitroGel® xeno-free hydrogels are excellent for injection and a superior alternative to animal-based or plant-based extracellular matrices (ECM) for patient-derived or cell-derived xenograft (PDX & CDX) applications. By avoiding the uncertainty of unknown components from animal-based ECM, VitroGel hydrogels give well-defined - and full control of the - microenvironment for consistent results.



VitroGel Hydrogel Matrix
Cat. No. VHM01

VitroGel vs Matrigel Comparison in Lung Cancer Cell Line

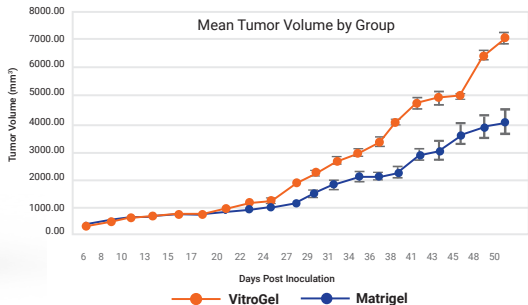
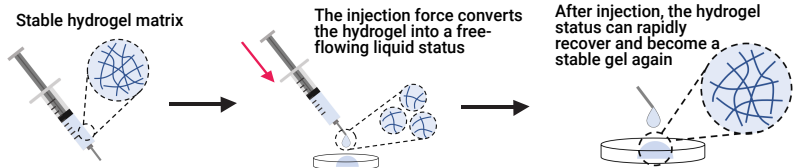


Fig 1. Lung cancer cell line H2170 xenografted into Hera BioLabs' OncoRat using VitroGel and Matrigel.

Long Term Injectability - VitroGel has a unique rheological property that can maintain an excellent injectable status for hours after mixing with cells. Researchers do not need to worry about fast gel crosslinking and the need to rush for injection or keep the solution on ice.



To learn more visit:
thewellbio.com/xenograft-injection
E: info@thewellbio.com P: +1 973.855.4955

 **TheWell**
BIOSCIENCE
thewellbio.com

Superior Hydrogel Properties for Injection

VitroGel®

Ready-to-use. User-friendly setup and protocols at room temperature.



Room Temp Stable

100% animal origin-free. Reproducible assays with no lot-to-lot variation.



Xeno-Free

Maintains an injectable status for hours at room temperature. Can prepare samples in large volumes.



Long Injectable Status

Extremely smooth for injection and excellent cell retention after injection.



Smooth Injection & High Cell Retention

Full control of the ECM supplements to boost cell growth. Neutral pH. Biodegradable and supports cell activities.



Full ECM Control

V.S.

Matrigel®



Cold Temp Requirement

Requires cold temperature for setup and operation. Not user-friendly.



Animal-Based

Animal-based with undefined compounds. Lot-to-lot variation.



Rush for Injection

Crosslinking is temperature sensitive. Samples need to be prepared in small volumes.



Possible Needle Clogging

Requires quick injection. Temperature fluctuation can cause needle clogging.



Undefined Compounds

> 2,000 undefined compounds which can interfere with accurate tumor growth.

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