RECOVER CELLS/ORGANOIDS FROM ECM IN 15 MINUTES

TheWell BIOSCIENCE

VitroGel® Organoid Recovery Solution

Non-enzymatic cell harvesting solution for quick and efficient recovery of cells/organoids from VitroGel or an animal-based ECM.

Fast ECM Dissociation

2 minute dissociation of animal-based ECM for intact organoids/cells.

High Yield

Complete ECM dissociation for a high recovery rate for organoid expansion.

Stable Formulation

Enzyme-free. Stable for 15 months. No cold pack shipping.

Safe Harvesting

Recovery of intact organoids or 3D cells with high viability.

Room Temp Operation

Easy-to-use with operation at room temperature.

3D and 2D ECM

Also supports cell recovery from 2D ECM coating plates.

VitroGel Organoid Recovery Solution is an easy-to-use cell recovery solution compared to other leading products. It can recover cells/organoids cultured with VitroGel hydrogels or an animal-based ECM more quickly and efficiently while maintaining high cell viability during the recovery process. The cell harvesting solution is enzyme-free and room temperature stable, with a neutral pH. This solution can also be used to harvest cells from 2D ECM coating plates. Harvested cells can be sub-cultured for both 3D and 2D cultures. VitroGel Organoid Recovery Solution supports a high recovery rate and cell viability of intact cells/organoids for passaging, cryopreservation, or subsequent biochemical analysis.

HIGH-YIELDING

FAST/SAFE

STABLE

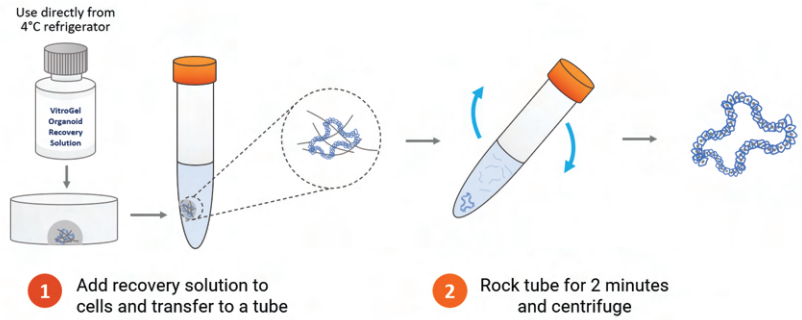
VitroGel® Organoid Recovery Solution Compared to Others

	VitroGel	Company C	Company R	Company S
Dissociation From Animal-based ECM	**2 min**	≈60 min	≈60 min	>30 min
High Cell Recovery & Cell Viability	●	◒	◒	◒
Room Temp Operation/Easy-To-Use	●			◒
Cell Recovery from 2D ECM Coating Plate	●			
No Cold Pack Shipping	●			●
Storage	**2-8°C**	2-8°C	2-8°C	15-35°C
Shelf Life	**15 mo**	3 mo	2 mo	N/A

Cell/Organoid Recovery from Animal-Based ECM* (e.g. Matrigel)

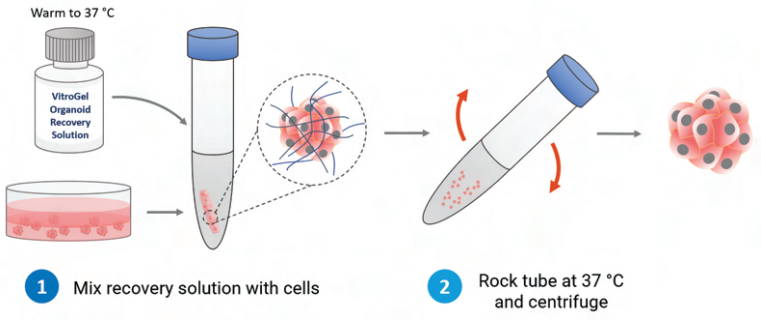
- **Fast 2 minute ECM dissociation**
- **10 min protocol**

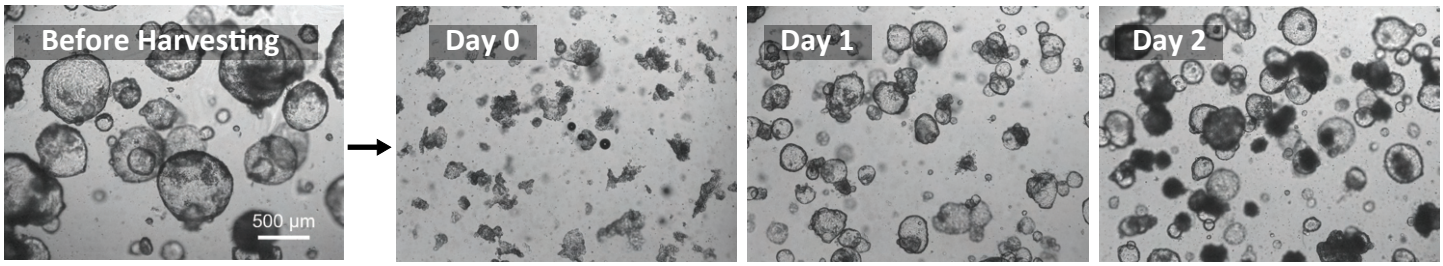
*Extracellular matrices like Matrigel, Cultrex, and Geltrex



Cell/Organoid Recovery from VitroGel® Hydrogels

- **5-15 min protocol**
- **Improved formulation over previous cell harvesting solution**





Organoids recovered from Matrigel by using VitroGel Organoid Recovery solution

Figure 1. Re-suspend organoids in VitroGel Organoid Recovery Solution by pipetting to break organoids into small fragments for sub-culture/expansion. VitroGel Organoid Recover Solution was kept in a 4°C refrigerator to maintain a low temperature before use. The organoids/Matrigel and VitroGel Organoid Recovery Solution mixture were incubated at room temperature for 2 min before centrifuging. Day 0 images show the morphology of organoids right after harvesting.

iPSC harvesting from 2D Matrigel® coating plate

Figure 2. VitroGel Organoid Recovery Solution can be used to harvest iPSC cells from a 2D Matrigel coating plate. The solution was warmed up to room tempera-ture before use. **A)** Morphology of cells detaching from the Matrigel coating plate. (3 min after adding VitroGel Organoid Recovery Solution), **B)** Image of the well plate after cell harvesting. (Shows all cells were removed from the Matrigel coating plate), **C)** Morphology of cells after re-seeding to a new Matrigel coating plate (Day 3).

Product	Cat No.	Size
VitroGel® Organoid Recovery Solution	MS04-100	100 mL
	MS04-500	500 mL

TheWell BIOSCIENCE
JUST ADD CELLS - VITROGEL

Phone: 866-3D-CELLS | 973.855.4955 | Email: info@thewellbio.com | Web: **thewellbio.com**

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