

Recover cells from hydrogel in 15 min



VitroGel® Cell Recovery Solution

- **FAST** - Recover cells from hydrogel in 15 min
- **SAFE** - Maintain high cell viability
- Recovered cells can be sub-cultured in both 2D and 3D culture
- Enzyme-free formulation
- Neutral pH and works at 37°C

VitroGel Cell Recovery Solution is a ready-to-use, enzyme-free solution to harvest 2D or 3D cultured cells from hydrogel fast and safely. The solution is compatible with VitroGel hydrogel system and can recover cells from VitroGel in 15 minutes. The solution is room temperature stable, has a neutral pH and work at 37°C operating temperature, which can maintain high cell viability during the recovery process. Cells can be sub-culture in both 2D and 3D culture after recovery.

The VitroGel Cell Recovery Solution can be used before or after the fixation and stained preparation of hydrogel specimens to ensure high quality of downstream data analysis.

Cell Viability After Recovery

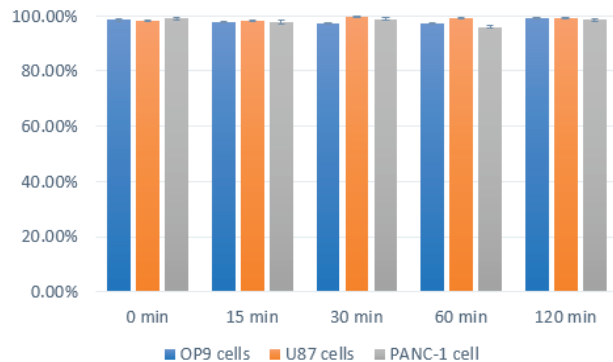


Figure 1. Cell viability of OP9, U87-MG and PANC-1 cells after adding to recovery solution at time 0, 15, 30, 60 and 120 min. Cells maintain over 95% cell viability after suspending in VitroGel cell recovery solution for 2 hours.

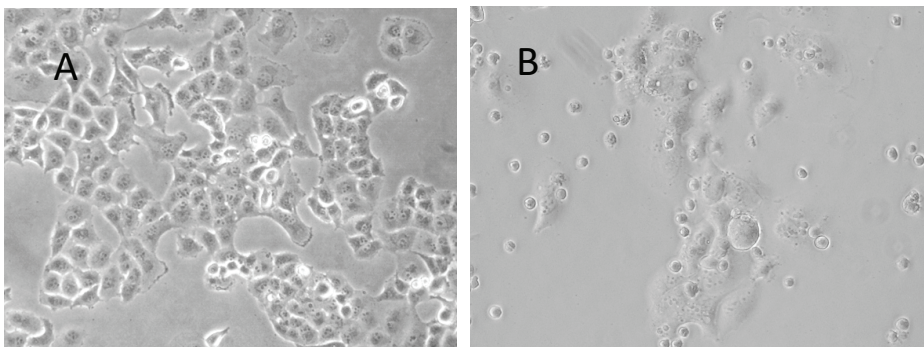


Figure 2. A) PANC-1 cells growth on 2D well plate before transfer to cell recovery solution; B) PANC-1 cells suspended in cell recovery solution for 24 hours then re-culture on 2D well plate for 5 days. Cells has been successful re-culture after suspend in cell recovery solution for 24 hours.

Cells cultured in 3D hydrogel system can be safely harvested and sub-cultured in both 2D and 3D again

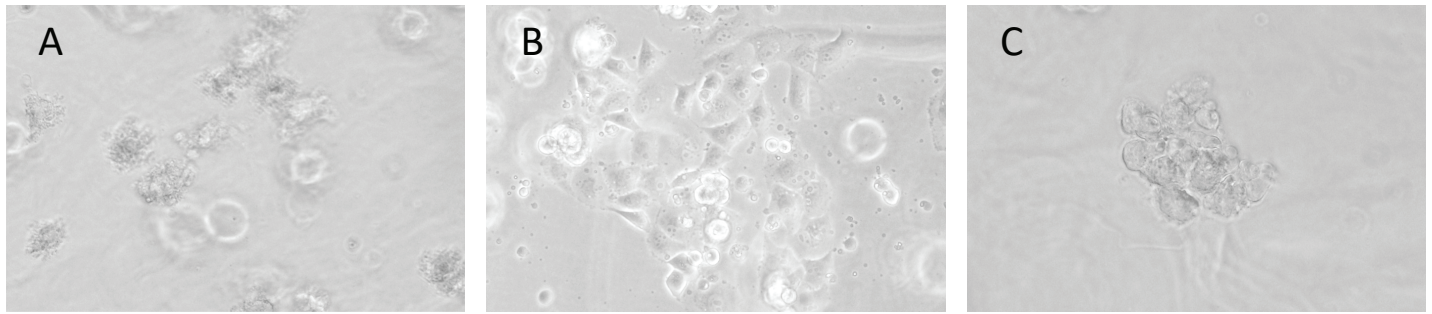


Figure 3. A) PANC-1 cells growth on 3D hydrogel before harvested by VitroGel cell recovery solution; B) PANC-1 cells have been harvested from 3D hydrogel by using VitroGel cell recovery solution and subculture on the surface of hydrogel (day 2); C) PANC-1 cells have been harvested from 3D hydrogel by using the cell recovery solution and 3D subculture in the hydrogel system again (day 2).

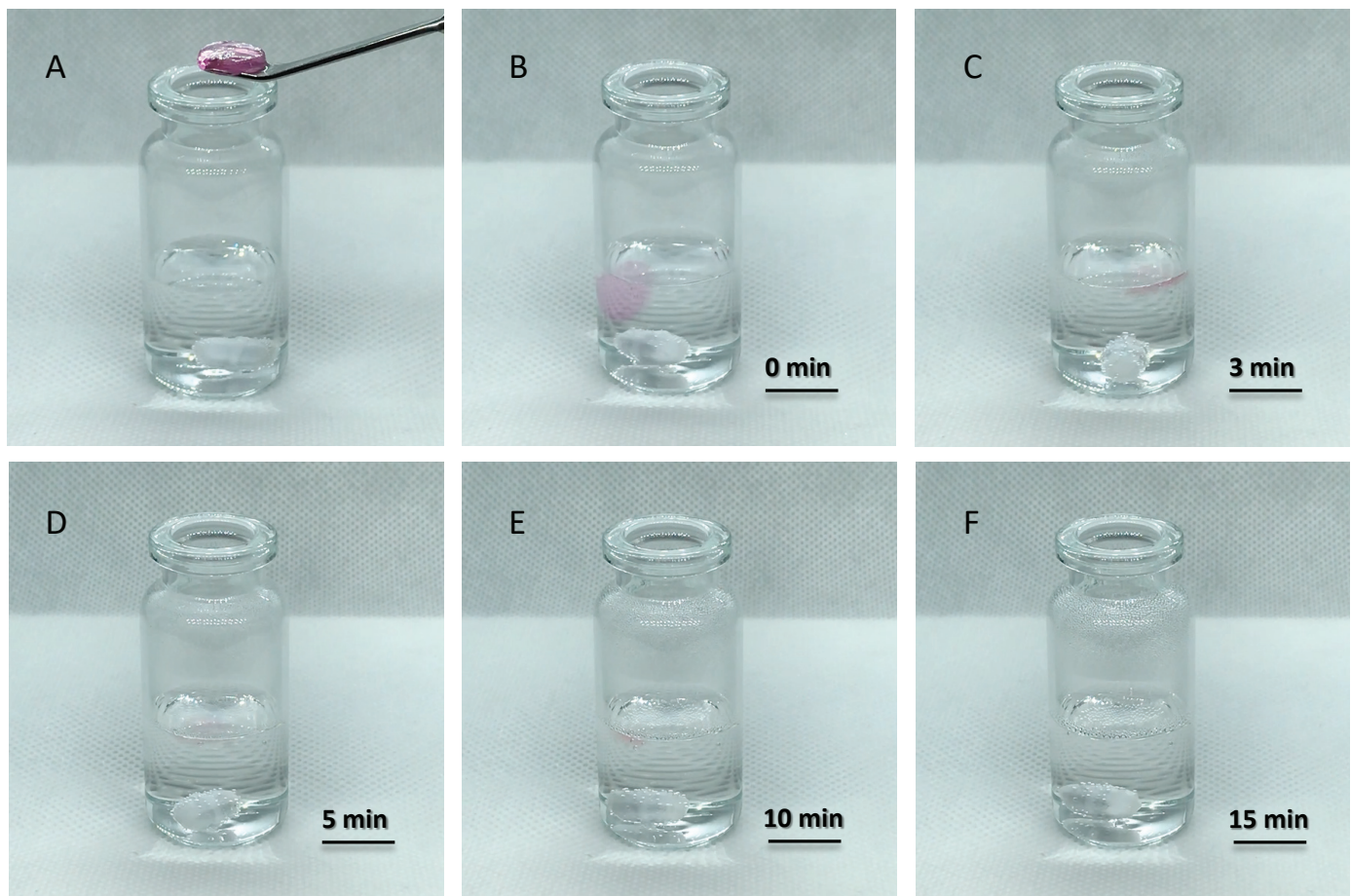


Figure 4. Hydrogel dissolved in cell recovery solution. A) hydrogel before adding to recovery solution, B-F) Time 0 to 15 min after adding hydrogel to recovery solution (at 37 °C, 20 rpm).

Product Information

MS03-100 VitroGel Cell Recovery Solution (100 mL)

[Video Protocol Online](#)



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