

RocketCell™ Cell Viability Enhancer (1000X)



TheWell
BIOSCIENCE

Maximize cell recovery and growth during passaging, thawing, and cryopreservation.

Learn more about
**RocketCell™ Cell Viability
Enhancer (1000X)**
[thewellbio.com/
rocketcell-cell-viability-enhancer/](http://thewellbio.com/rocketcell-cell-viability-enhancer/)



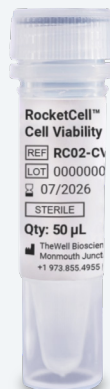
Superior Growth Kinetics

Outperforms Y-27632 and Thiazovivin (TZV), in long-term expansion assays.



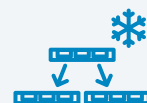
Metabolic Support

Actively assists cells in recovering from the metabolic stress of detachment and enzymatic dissociation.



Versatile

Optimized for use during passaging, thawing, and cryopreservation to ensure maximum plate-down efficiency.



Proprietary Protection

Contains a potent ROCK inhibitor integrated with secondary metabolic stabilizers to prevent apoptosis and promote rapid cell-cycle re-entry.



The **RocketCell™ Cell Viability Enhancer (1000X)** is a proprietary, high-potency small-molecule cocktail engineered to maximize the survival and metabolic recovery of sensitive cell types, including, but not limited to, organoids, induced pluripotent stem cells (iPSCs), and other iPSC-derived cells, such as neural stem cells.

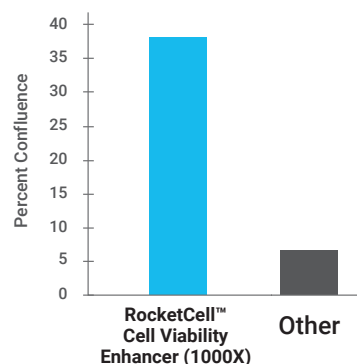
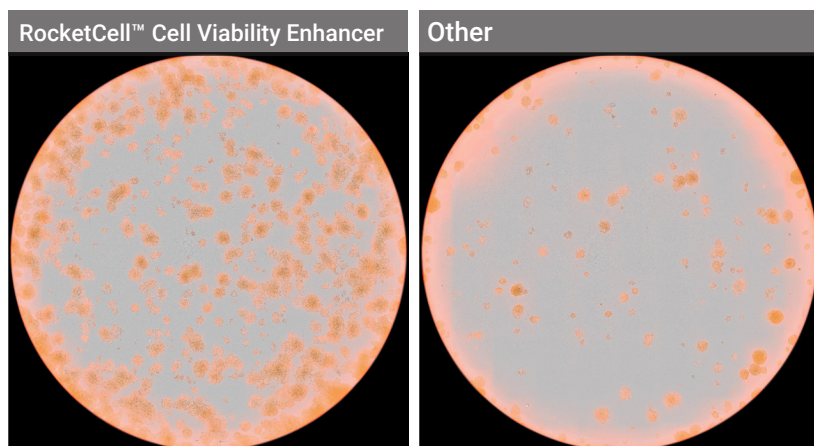
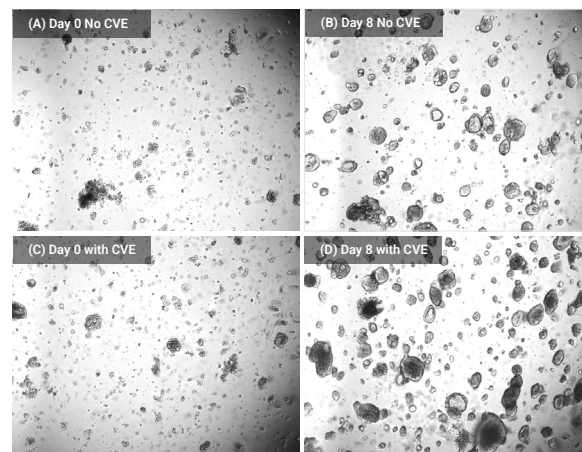


Figure 1: RocketCell™ Cell Viability Enhancer Significantly Improves Human iPSC Recovery and Expansion at Low Seeding Density.

Human iPSCs were seeded at a very low density (25,000 cells/well; approximately 2,600 cells/cm²) onto CytoGrow™ Vitronectin-coated VitroPrime™ Spread-Attach 6-Well Plates. Cells were cultured for 7 days in either RocketCell™ iPSC Xeno-Free Growth Medium supplemented with RocketCell™ Cell Viability Enhancer or a commercially available formulation ("Other") for comparison.

Representative images demonstrate that RocketCell™ Cell Viability Enhancer substantially improves cell recovery compared to a commercially available formulation. Quantitative confluence analysis further shows that RocketCell™ Cell Viability Enhancer supports up to 6-fold greater cell expansion under low-density seeding conditions, resulting in enhanced survival, attachment, and proliferation of human iPSCs over the 7-day culture period.



Mouse Intestinal Organoid Growth

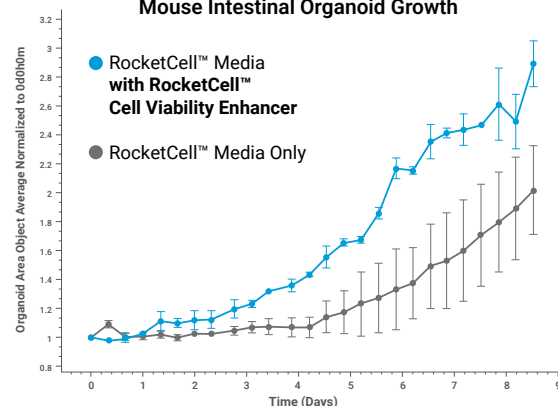


Figure 2: RocketCell™ Cell Viability Enhancer Improves Intestinal Organoid Recovery & Growth

Mouse intestinal organoids (P6) were passaged and re-cultured in VitroGel® ORGANOID-5 using RocketCell™ Organoid Xeno-Free Essential-Core Medium with or without RocketCell™ Cell Viability Enhancer. Organoids cultured with the Cell Viability Enhancer showed improved recovery and significantly greater growth over 8 days compared to cultures without the enhancer.

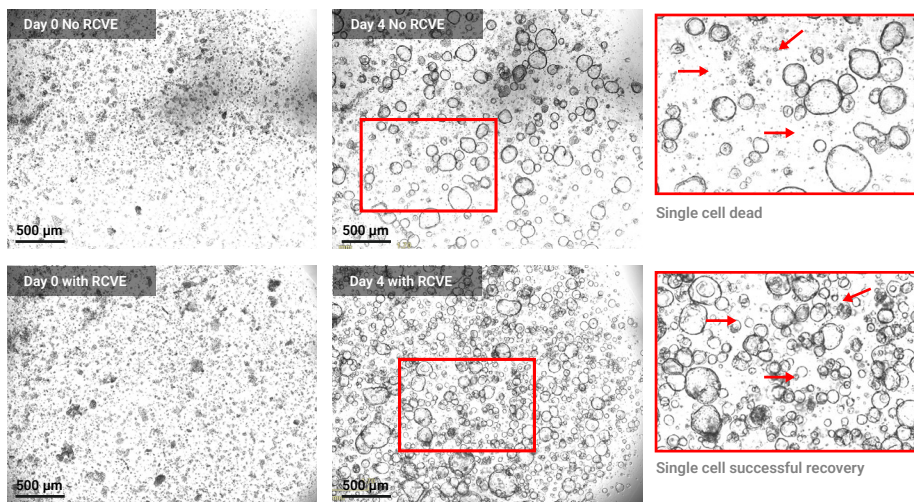
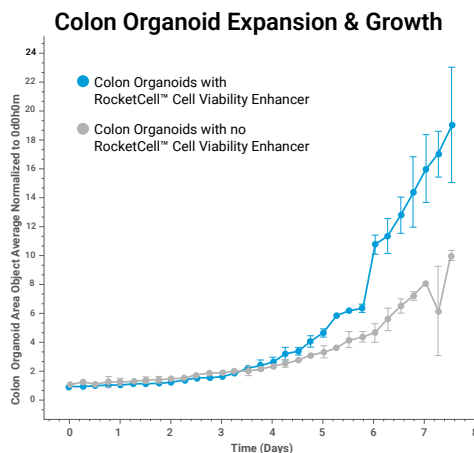


Figure 3. RocketCell™ Cell Viability Enhancer Supports Higher Colon Organoid Recovery and Growth.



Product	Cat. No.	Size
RocketCell™ Cell Viability Enhancer (1000X)	RC02-CV	50 µL
	RC02-CV500	500 µL

Related Products



VitroGel® Hydrogels

Xeno-free, synthetic, biofunctional hydrogel system that can translate your cell culture assays towards clinical applications with full lab automation.



CytoGrow™ Growth Factors

Premium quality growth factors with research-friendly price for advanced 3D/2D cell culture and beyond.



RocketCell™ Xeno-Free Supplements

Chemically defined, xeno-free supplements that provide the essential nutrients needed for cell expansion, differentiation, and long-term maintenance



RocketCell™ Xeno-Free Media

RocketCell™ is a premium portfolio of xeno-free 3D cell culture media designed to support diverse cell culture applications, including organoids, iPSCs, NSCs, and hMSCs.



VitroGel® Cell Recovery Solution

Enzyme-free cell harvesting solution to recover cells from the hydrogel in 20 min.

For Gentle Recovery: Ideal for sensitive cell types and applications such as suspension culture and fragment recovery.



VitroGel® Organoid Recovery Solution

Non-enzymatic cell harvesting solution to recover cells or organoids from hydrogel or an animal-based ECM within 15 minutes.



VitroPrime™ 3D Culture and Imaging Plate

Premium cover-glass bottom plate for zero disruption 3D cell culture workflow.

Plates Available: 6-well, 24-well, 96-well



Cyto3D® Live-Dead Assay Kit

Versatile, live/dead cell viability analysis for 3D and 2D cell culture.



Explore our End-to-End Xeno-Free Platform for 3D Cell Culture

VitroGel®
Xeno-Free Hydrogels

CytoGrow™
Premium Growth Factors

RocketCell™
Xeno-Free Culture Media & Supplements

VitroPrime™
Culture Vessels

VitroGel®
Recovery Solution

Cyto3D®
Reagent for 3D Cell Analysis