

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/



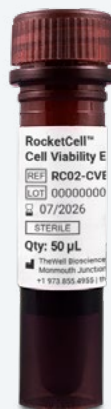
Superior Growth Kinetics

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



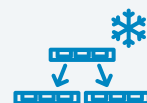
Metabolic Support

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.

Up to 6X Greater Cell Expansion for 2D iPSC Recovery

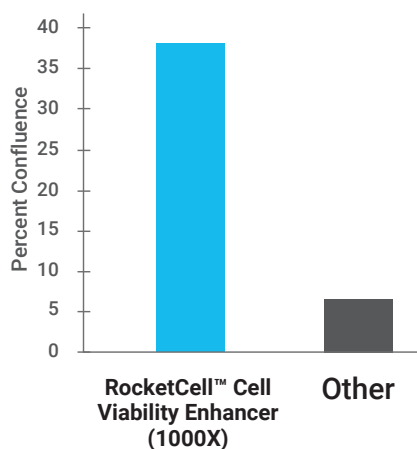
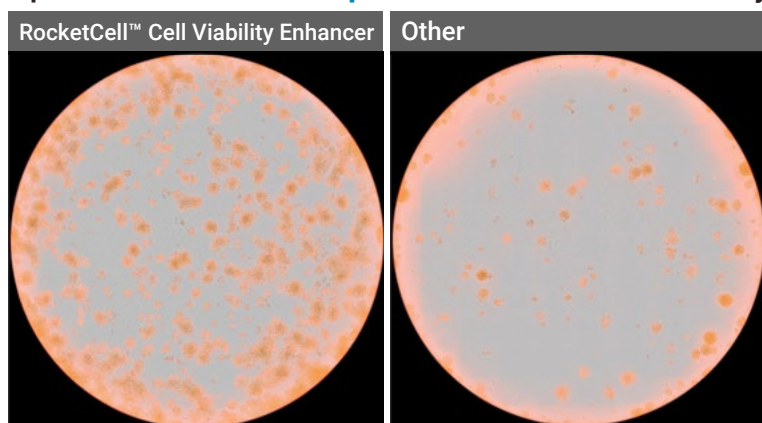


Figure 1: RocketCell™ Cell Viability Enhancer Significantly Improves Human iPSC Recovery and Expansion at Low Seeding Density.

Human iPSCs were seeded at a low density (25,000 cells/well) on CytoGrow™ Vitronectin-coated VitroPrime™ Spread-Attach 6-Well Plates and cultured for 7 days in RocketCell™ iPSC Growth Medium, AOF with either RocketCell™ Cell Viability Enhancer or a commercially available formulation.

Representative images show that RocketCell™ Cell Viability Enhancer significantly improves cell recovery. Confluence analysis demonstrated up to 6x greater cell expansion under low-density seeding, resulting in better survival, attachment, and proliferation of human iPSCs over 7 days.

Up to 70-80% Higher Organoid Recovery

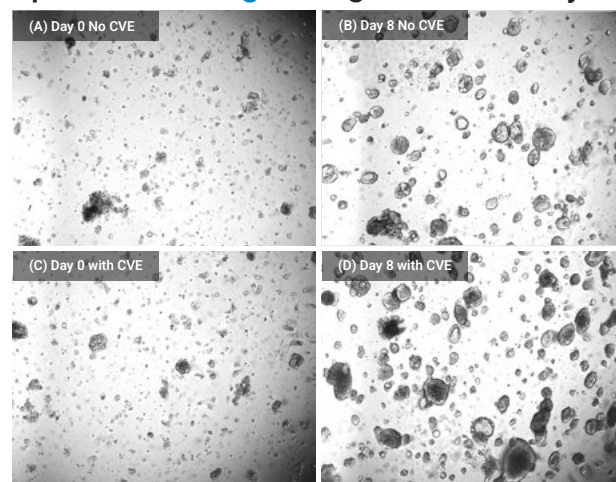


Figure 2: RocketCell™ Cell Viability Enhancer Improves Intestinal Organoid Recovery and Growth

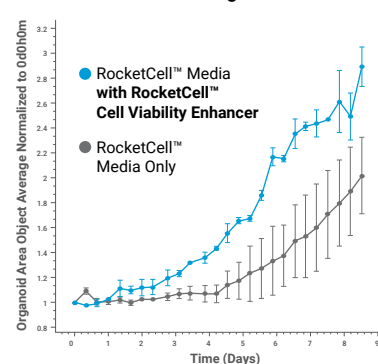


Figure 2: RocketCell™ Cell Viability Enhancer Improves Intestinal Organoid Recovery and Growth

Mouse intestinal organoids (P6) were passaged into VitroGel® ORGANOID-5 and cultured in RocketCell™ Organoid Essential-Core Medium, AOF with or without RocketCell™ Cell Viability Enhancer. The enhancer improved organoid recovery and promoted significantly greater growth over 8 days.

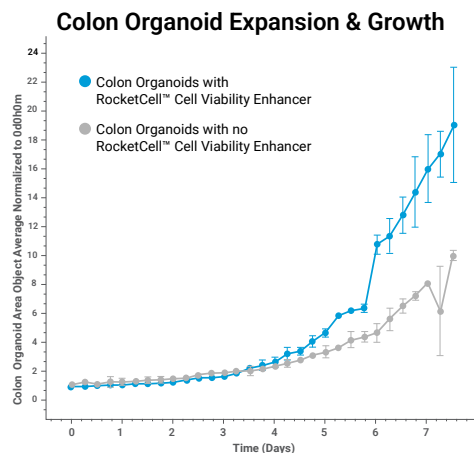
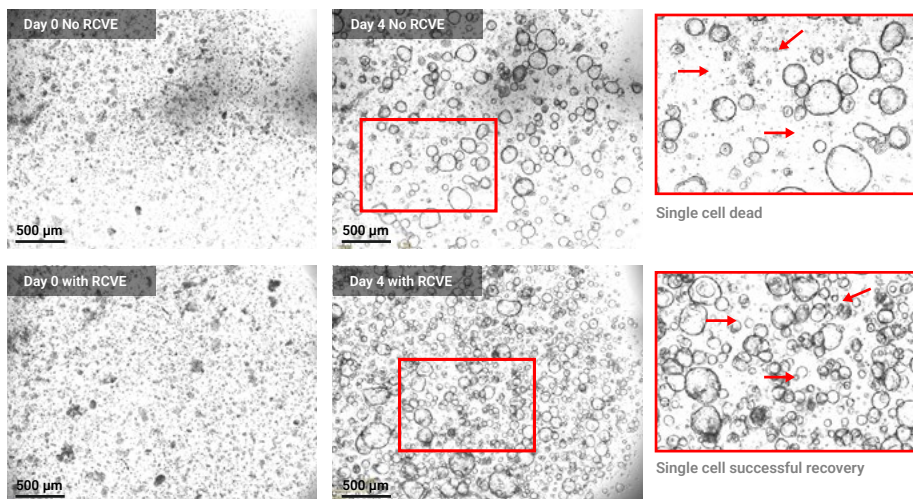


Figure 3. RocketCell™ Cell Viability Enhancer Supports Higher Colon Organoid Recovery and Growth.

Colon organoids (P2) were passaged with TrypLE and re-cultured in Matrigel with or without RocketCell™ Cell Viability Enhancer. The enhancer improved organoid recovery and supported greater growth over 8 days compared to cultures without the enhancer.

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

Related Products



VitroGel® Hydrogels

Synthetic, chemically defined 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™ Supplements

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



RocketCell™ Culture Media

RocketCell™ is a premium portfolio of animal-origin free (AOF) 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, animal origin-free, 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 Animal Origin-Free Platform for 3D Cell Culture

VitroGel® Chemically Defined Hydrogels	RocketCell™ Culture Media & Supplements	CytoGrow™ Premium Growth Factors	VitroPrime™ Culture Vessels	VitroGel® Recovery Solution	Cyto3D® Reagent for 3D Cell Analysis
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