



# FreezeMe ZERO Primary

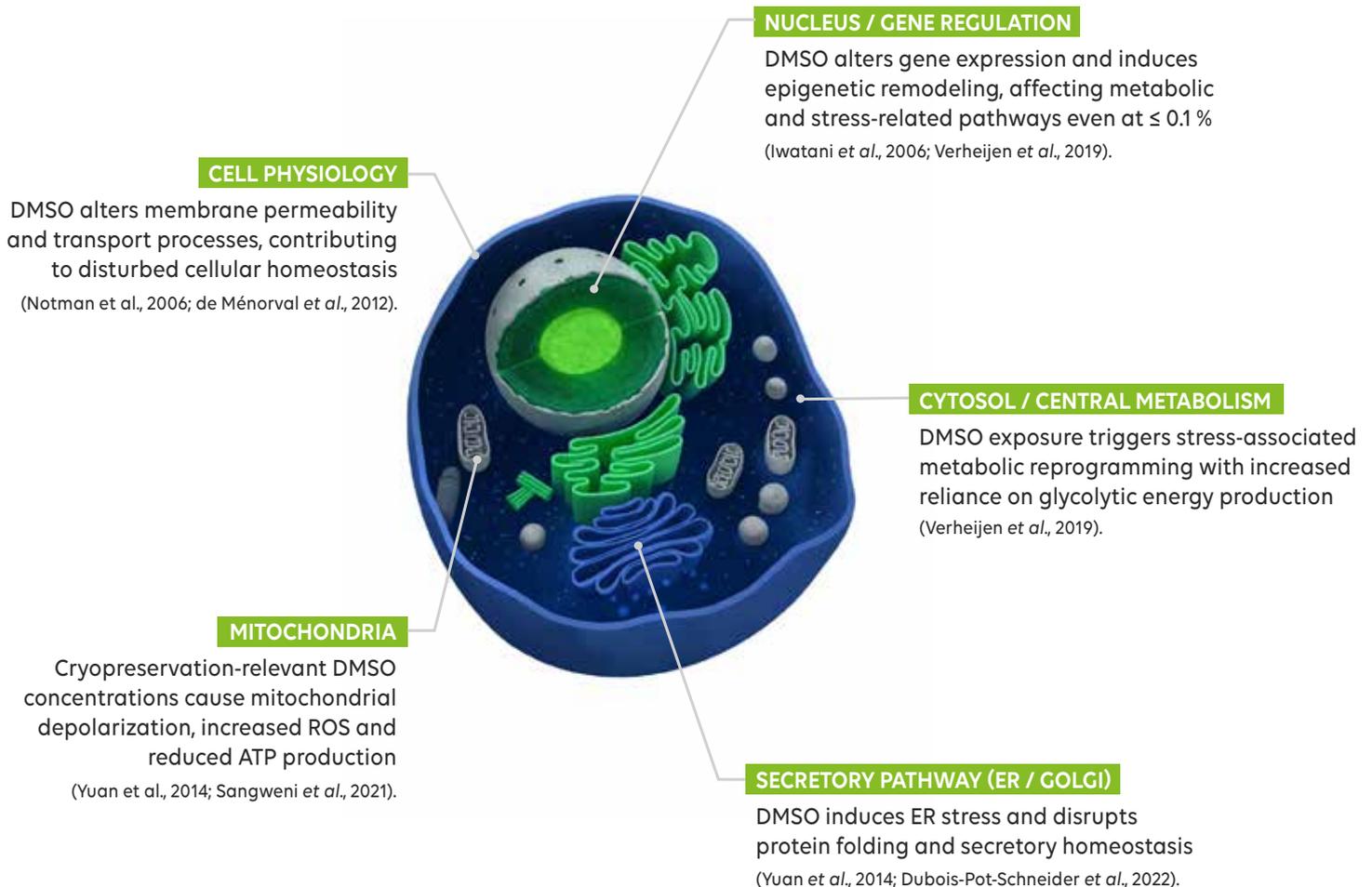
*DMSO-free Cryo* » *Stable Gene Expression*  
» *Healthy Cells*

# DMSO – A SERIOUS RISK IN CRYOPRESERVATION

For decades, DMSO has been the standard cryoprotectant for PBMCs, stem cells and other primary human cells in biobanking. Modern transcriptomic, epigenetic, and metabolic data clearly demonstrate that DMSO is biologically active and alters key cellular processes essential for reliable diagnostics, immune profiling, and clinical sample stability.

However, sensitive cell preservation requires methods that avoid these disruptions.

## CELLULAR EFFECTS OF DMSO



At Capricorn Scientific, this prompted a fundamental question: can cryopreservation preserve more than just survival? Through systematic development across diverse primary cell types, we therefore pursued a DMSO-free cryopreservation strategy focused on long-term primary immune cell stability and primary stem cell multipotency.

**Our remarkable solution: FreezeMe ZERO Primary**

# FREEZEME ZERO PRIMARY

## DMSO-FREE CRYO

- » STABLE GENE EXPRESSION
- » HEALTHY CELLS

FreezeMe ZERO Primary minimizes freeze-thaw-induced biological changes and supports stable, reproducible preservation of primary immune and stromal cells used in diagnostics, immunomonitoring, and clinical research.



- » **DMSO-free, Chemically Defined Formulation**

Cryopreservation without transcriptomic, metabolic, or epigenetic perturbation while maintaining the native physiological state

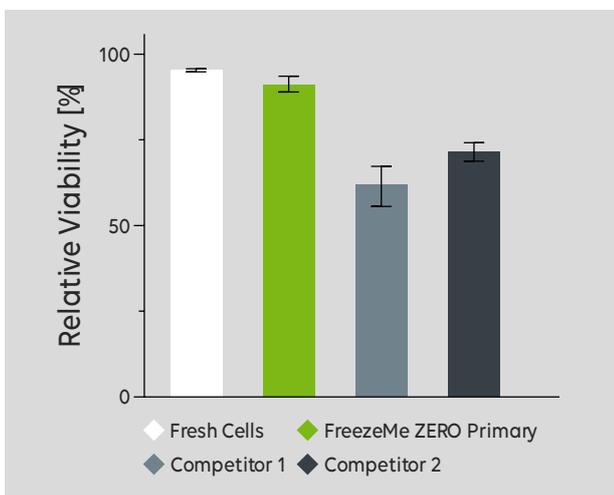
- » **Optimized for Highly Sensitive Cell Populations**

Designed to preserve differentiation potential, activation thresholds, cytokine responsiveness and surface marker fidelity.

- » **Robust Post-Thaw Viability and Expansion**

Primary cells recover rapidly and reproducibly, enabling consistent immune profiling, cytokine assays, scRNA-seq, and functional tests

### HIGHER POST-THAW VIABILITY ACROSS SENSITIVE PRIMARY CELL TYPES



### ORDER INFORMATION

#### PRODUCT

**FreezeMe ZERO Primary**  
DMSO-free Cryopreservation  
Medium for Primary Immune  
and Stromal Cells

#### VOL. CAT.NO.

50 ml	FMZP-50ML
5 x 10 ml	5-FMZP-10ML

For further support, feel free to contact our experts at [techservice@capricorn-scientific.com](mailto:techservice@capricorn-scientific.com) or phone (+49 6424 944 64 0).

**WANT TO LEARN MORE?**  
[www.capricorn-scientific.com](http://www.capricorn-scientific.com)

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## THE RIGHT CHOICE FOR YOUR CELLS



Fast and Efficient  
Order Processing



Customer-Oriented  
Product Flexibility



Your Partner in  
Cell Culture



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