

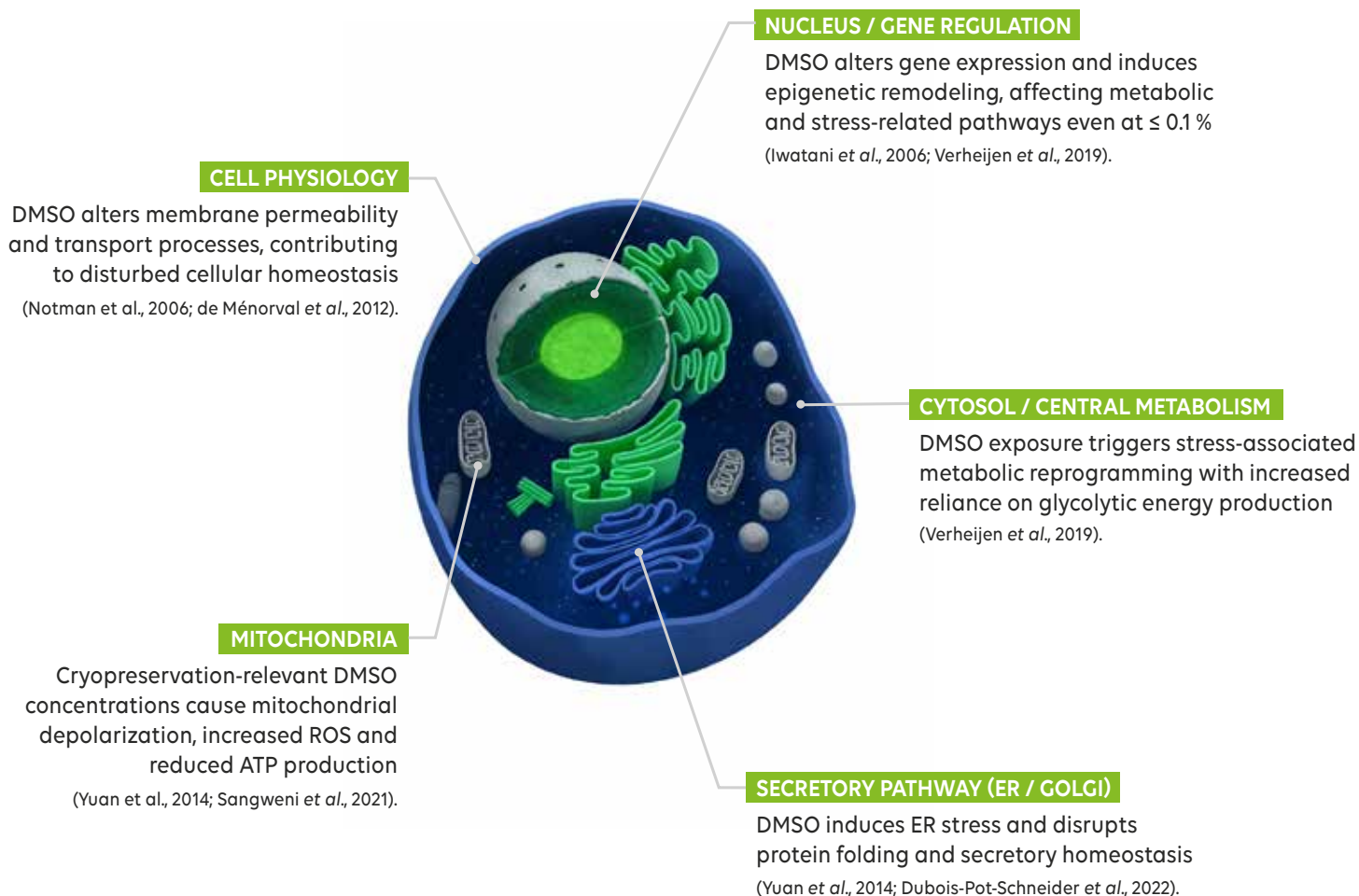
FreezeMe ZERO

DMSO-free Cryo » Stable Gene Expression
» Healthy Cells

DMSO – A SERIOUS RISK IN CRYOPRESERVATION

For decades, DMSO has been the standard cryoprotectant for mammalian cell lines. Modern transcriptomic, epigenetic, and metabolic data clearly demonstrate that DMSO is biologically active and alters key cellular processes critical for sustained cell performance. However, stable cell banks require cryopreservation 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 mammalian cell types, we therefore pursued a DMSO-free cryopreservation strategy focused on long-term cell line stability.

Our remarkable solution: FreezeMe ZERO.

FreezeMe ZERO

DMSO-FREE CRYO

» STABLE GENE EXPRESSION

» HEALTHY CELLS

FreezeMe ZERO minimizes freeze-thaw-induced biological changes and supports stable, reproducible preservation of conventional and engineered cell lines.



» DMSO-free, Chemically Defined Formulation

Cryopreservation without transcriptomic, metabolic, or epigenetic perturbation

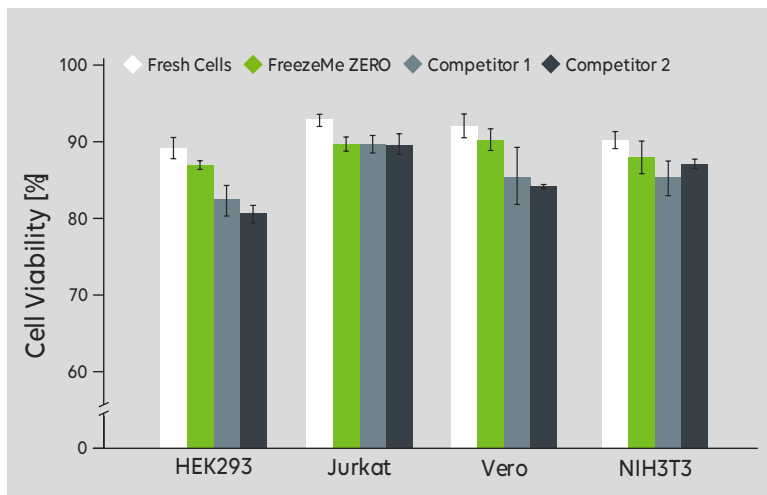
» High-Density Cryopreservation

High cell concentrations of 50×10^6 cells/ml can be preserved enabling efficient generation of cell banks

» Robust Post-Thaw Viability and Expansion

Cells recover rapidly and reproducibly, shortening post-thaw recovery

HIGH POST-THAW VIABILITY ACROSS DIVERSE CELLS



ORDER INFORMATION

PRODUCT

FreezeMe ZERO
DMSO-free Cryopreservation
Medium for Cell Lines

VOL. CAT.NO.

50 ml	FMZ-50ML
5 x 10 ml	5-FMZ-10ML

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

WANT TO LEARN MORE?
www.capricorn-scientific.com

Check out our Capabilities!



THE RIGHT CHOICE FOR YOUR CELLS



Fast and Efficient
Order Processing



Customer-Oriented
Product Flexibility



Your Partner in
Cell Culture



Capricorn Scientific GmbH
Auf der Lette 13 A
35085 Ebsdorfergrund
Germany

Tel.: +49 6424 944 64 0
Fax: +49 6424 944 64-20
info@capricorn-scientific.com
techservice@capricorn-scientific.com

www.capricorn-scientific.com

