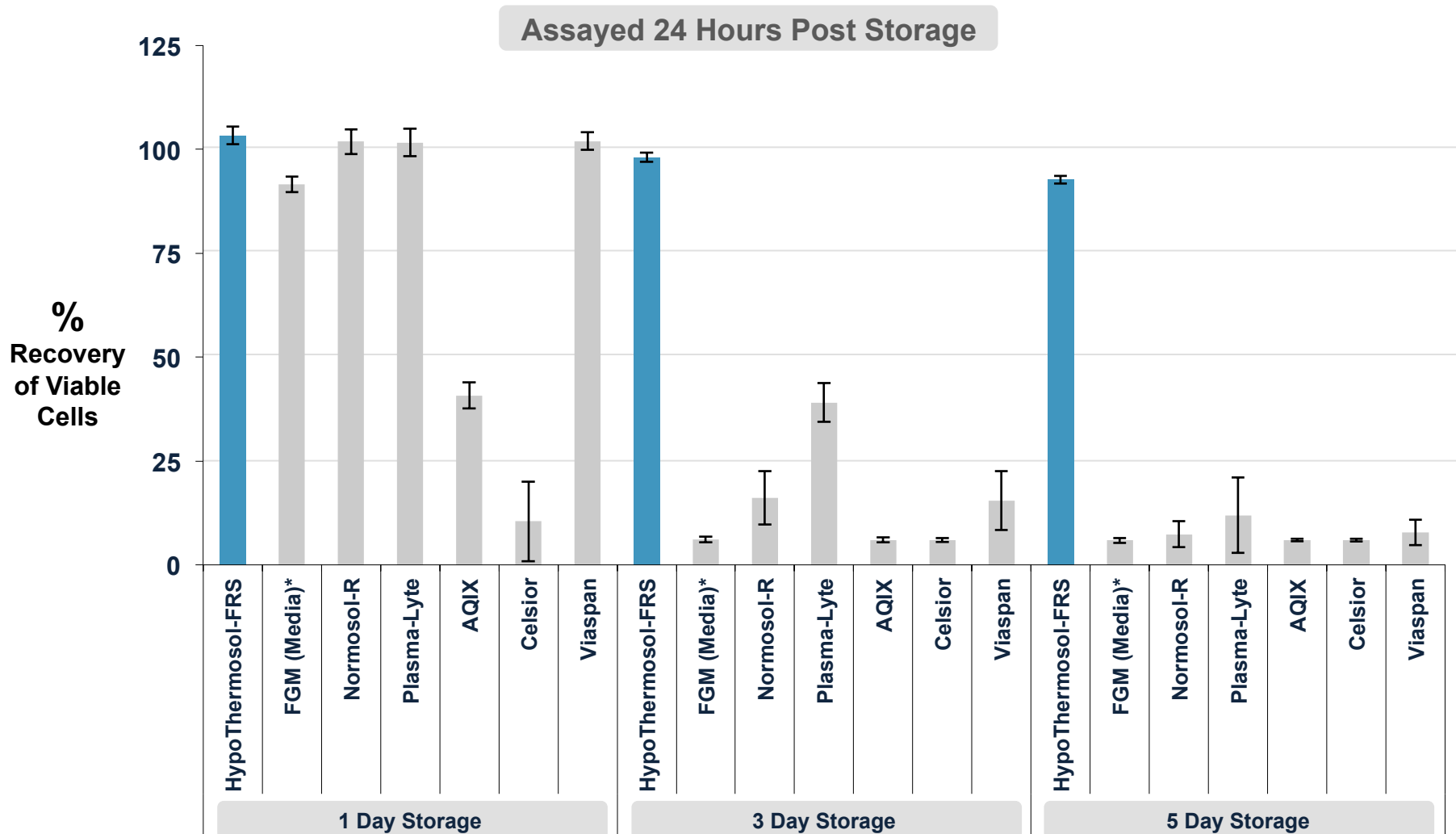


The background of the slide is a dark blue gradient with numerous overlapping circles of varying sizes and opacities, creating a bokeh effect. The circles are in shades of blue, from light cyan to deep navy.

HypoThermosol[®] Performance Evidence

5-Day Hypothermic Storage of Human Dermal Fibroblasts Enabled by HypoThermosol®

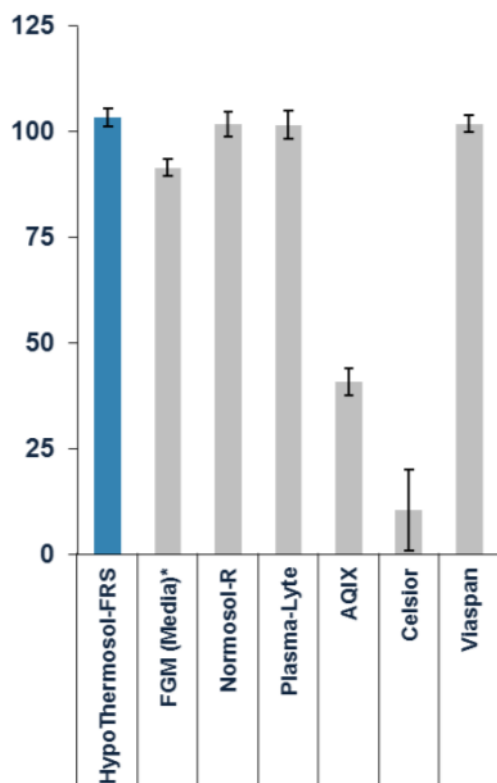


* Contains serum

alamarBlue® stain for metabolic activity

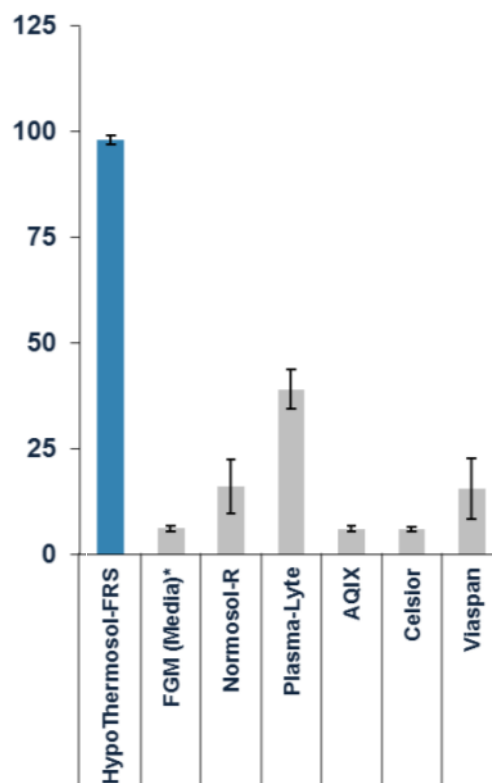
5-Day Hypothermic Storage of Human Dermal Fibroblasts Enabled by HypoThermosol®

Assayed 24 Hours Post Storage - % Recovery of Viable Cells



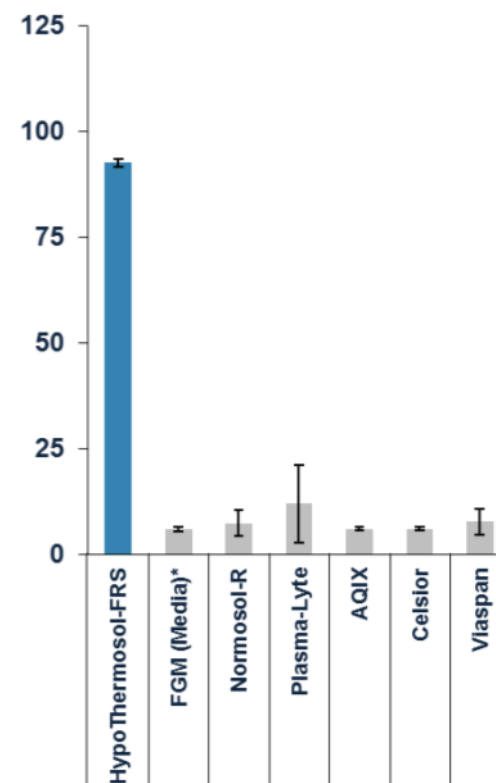
1

DAY STORAGE



3

DAY STORAGE

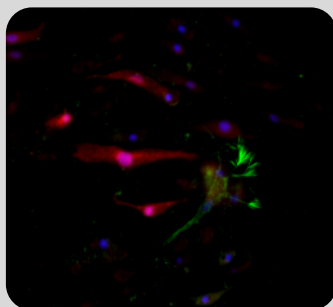


5

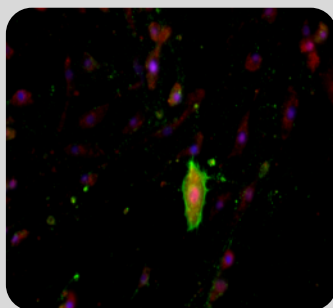
DAY STORAGE

Representative Fluorescent Micrographs Illustrating Morphology of Normal Human Dermal Fibroblasts Stored in HypoThermosol®

Media with Serum

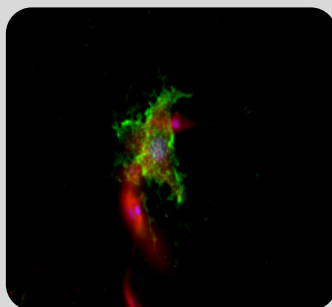


3 Day Storage

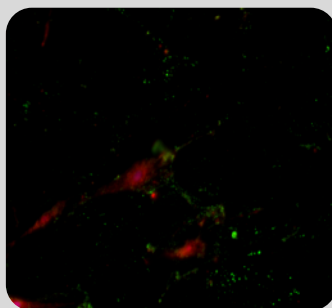


5 Day Storage

Celsior®

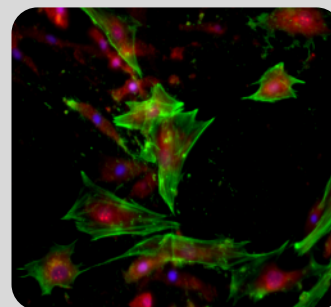


3 Day Storage

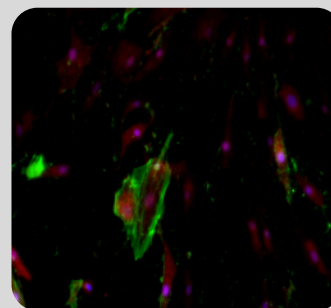


5 Day Storage

Viaspan®

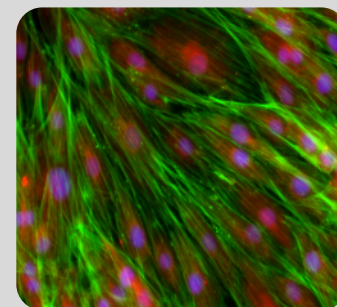


3 Day Storage

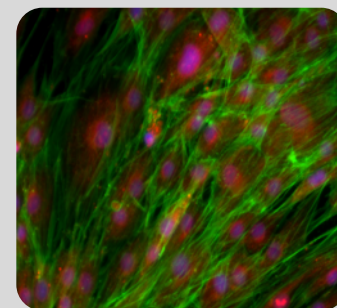


5 Day Storage

HypoThermosol®



3 Day Storage



5 Day Storage

Green

Actin Cytoskeleton
Phalloidin (FITC)

Red

Mitochondria Activation
MitoTracker® Red

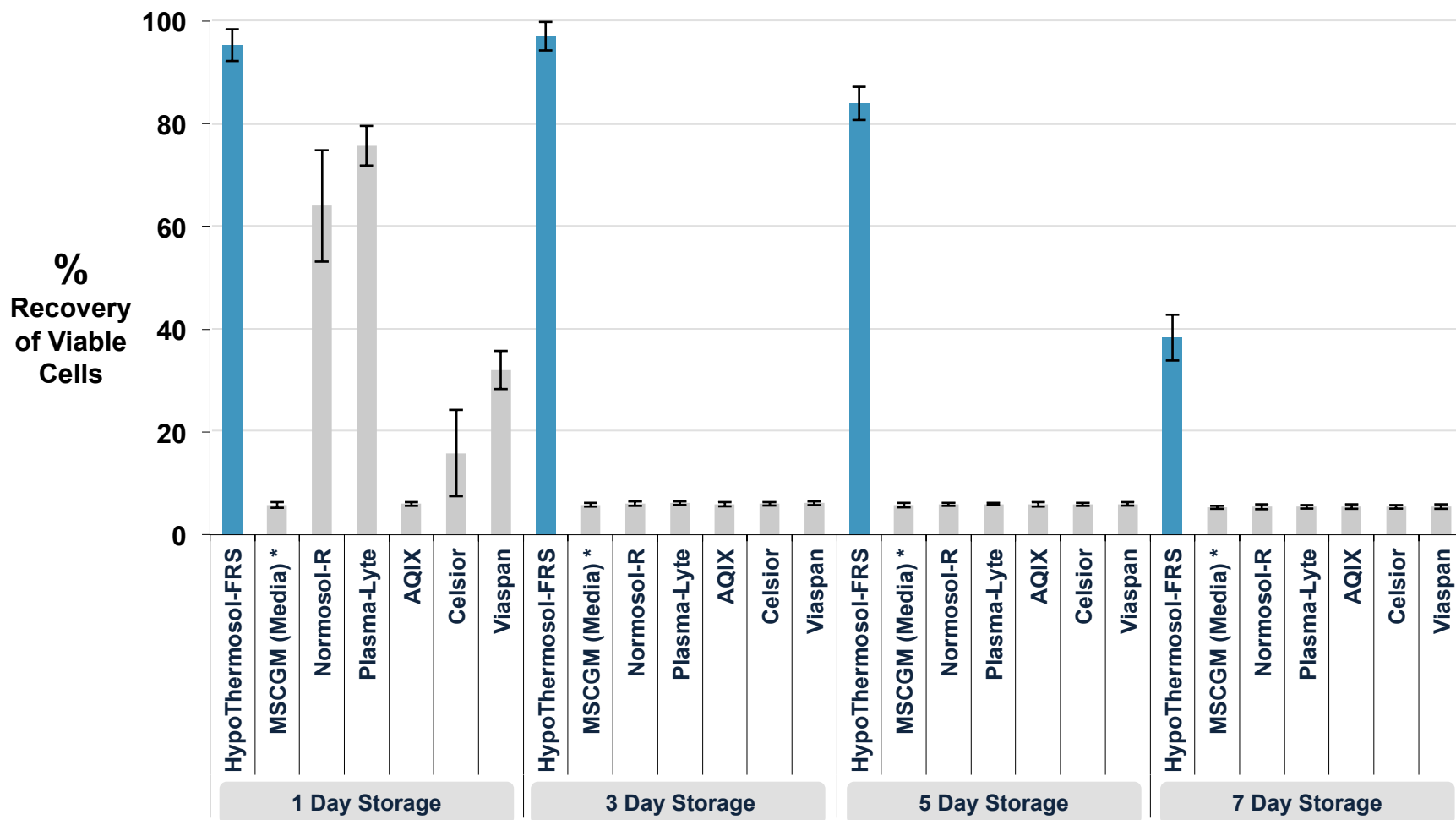
Blue

Nuclear Stain
Hoechst

40X magnification

Extended Hypothermic Storage of Human Mesenchymal Stem Cells Enabled by HypoThermosol®

Assayed 24 Hours Post Storage

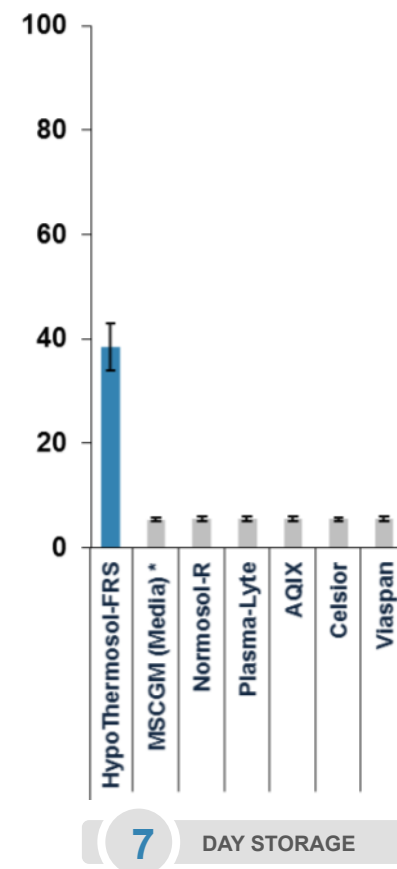
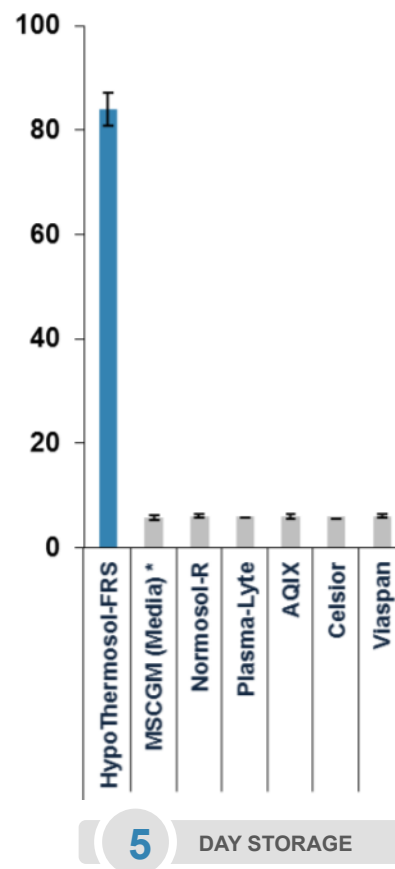
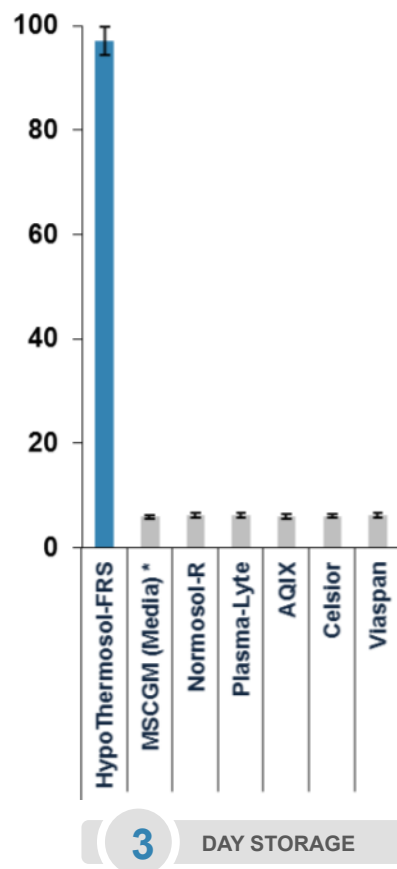
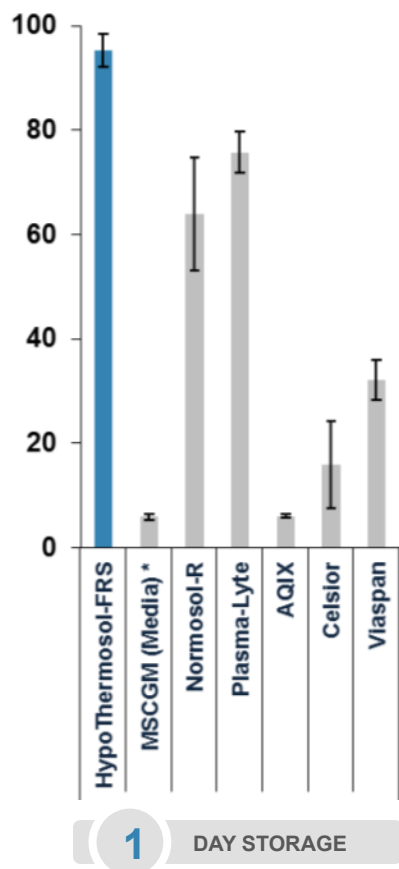


* Contains serum

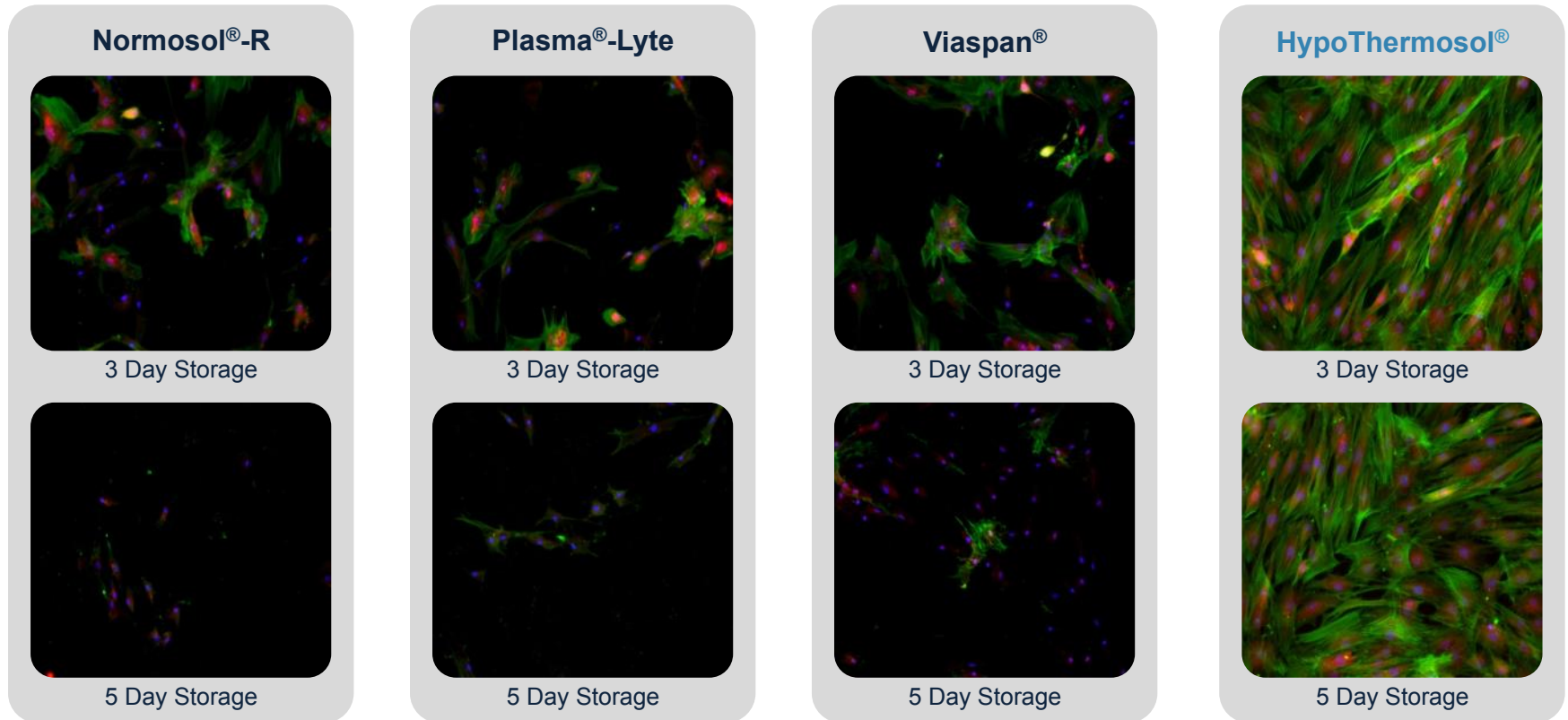
alamarBlue® stain for metabolic activity

Extended Hypothermic Storage of Human Mesenchymal Stem Cells Enabled by HypoThermosol®

Assayed 24 Hours Post Storage - % Recovery of Viable Cells



Representative Fluorescent Micrographs Illustrating Morphology of Human Mesenchymal Stem Cells Stored in HypoThermosol®



Green

Actin Cytoskeleton
Phalloidin (FITC)

Red

Mitochondria Activation
MitoTracker® Red

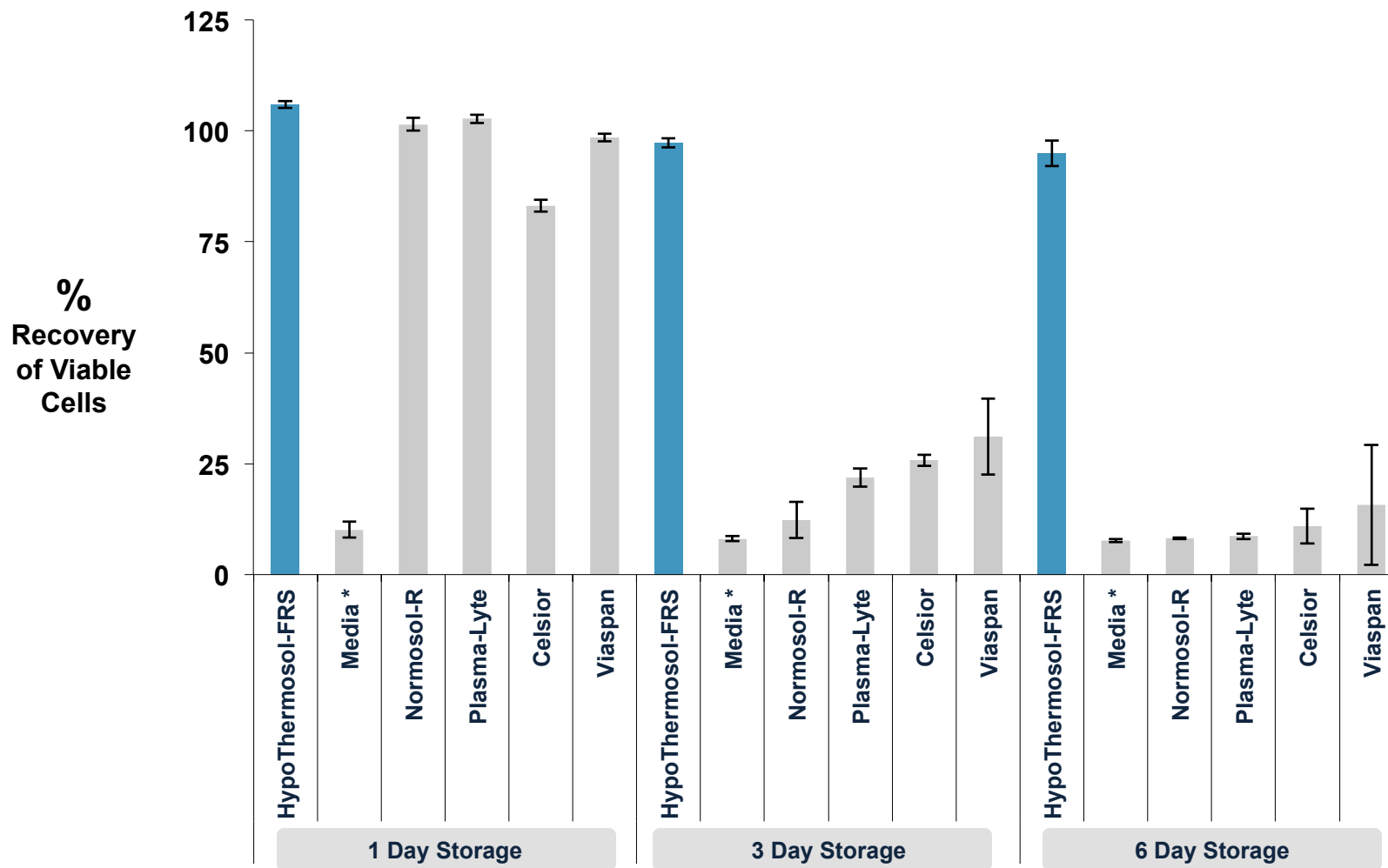
Blue

Nuclear Stain
Hoechst

20X magnification

Recovery of Human Osteoblast Cells Following Hypothermic Storage Assayed 24 Hours Post Storage

Differentiated Following 5-Day Hypothermic Storage of Undifferentiated hMSC in HypoThermosol®

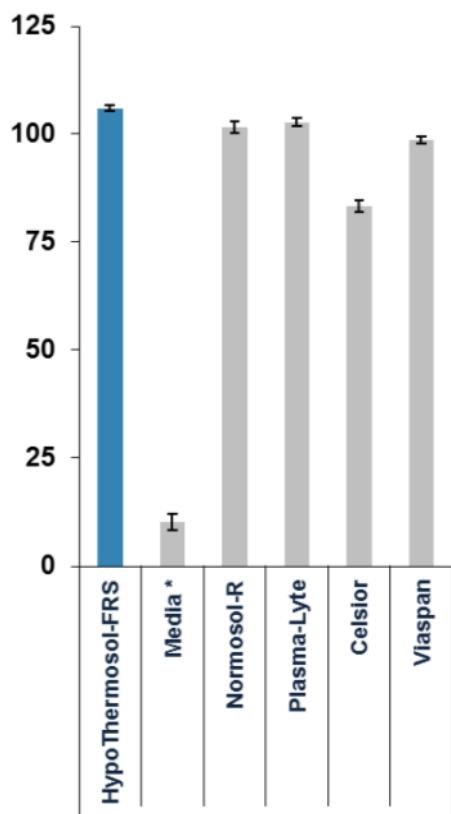


* Contains serum

AlamarBlue® stain for metabolic activity

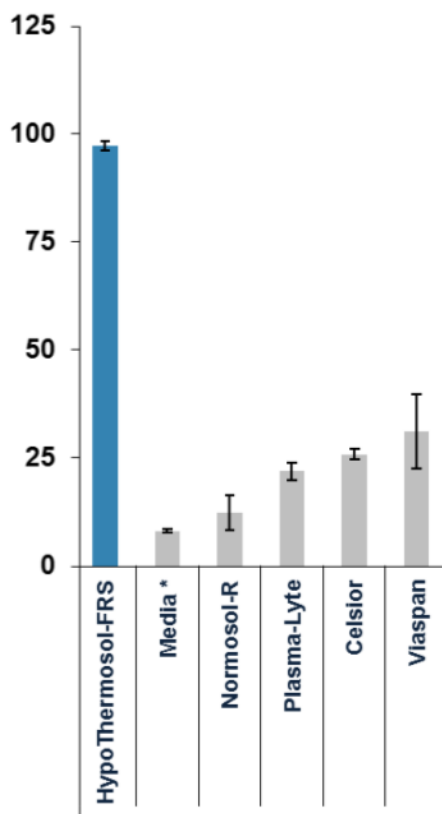
Recovery of Human Osteoblast Cells Following Hypothermic Storage Assayed 24 Hours Post Storage

Differentiated Following 5-Day Hypothermic Storage of Undifferentiated hMSC in HypoThermosol® Assayed 24 Hours Post Storage - % Recovery of Viable Cells



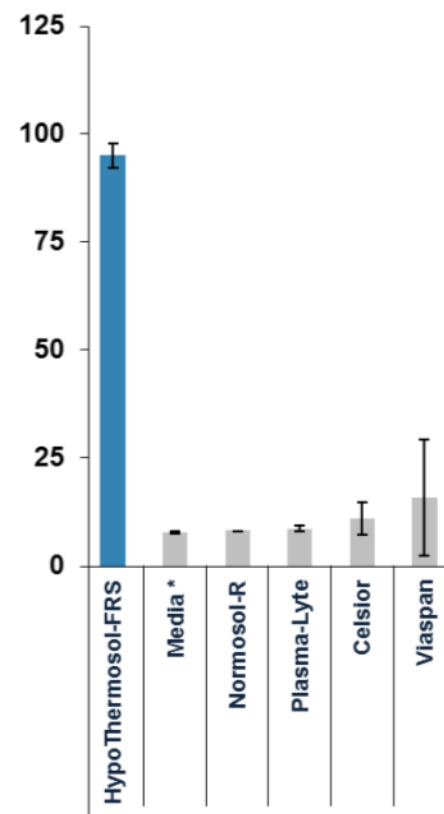
1

DAY STORAGE



3

DAY STORAGE



6

DAY STORAGE

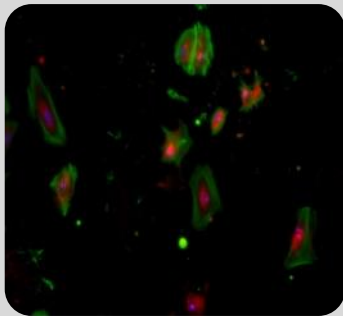
* Contains serum

alarmarBlue® stain for metabolic activity

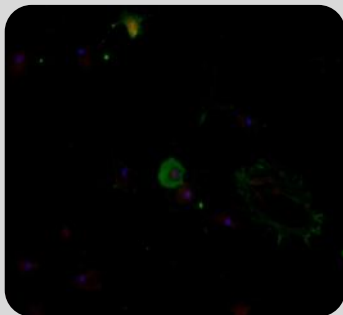
Representative Fluorescent Micrographs Illustrating Morphology of Human Osteoblast Cells Following Hypothermic Storage

Differentiated Following 5 Day Hypothermic Storage of Undifferentiated hMSC in HypoThermosol

Normosol®-R

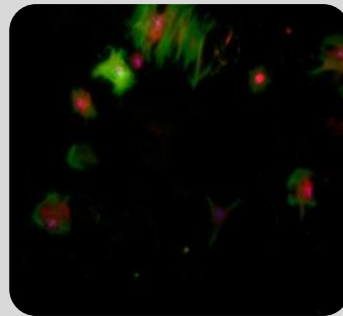


3 Day Storage

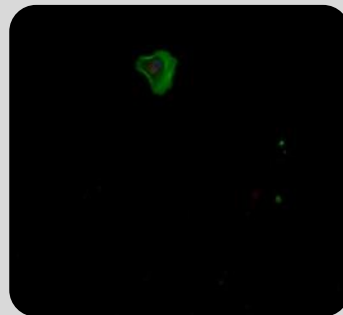


6 Day Storage

Plasma®-Lyte

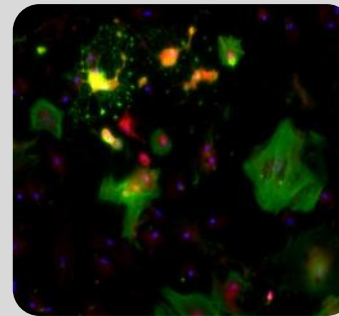


3 Day Storage

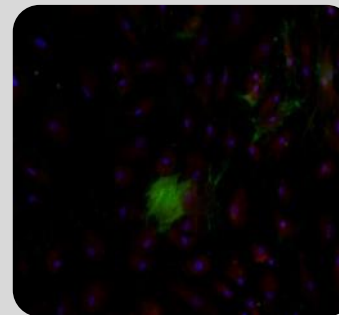


6 Day Storage

Viaspan®

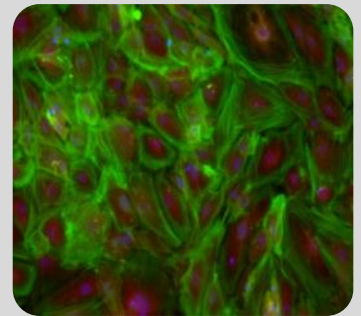


3 Day Storage

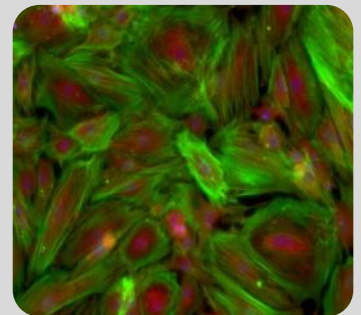


6 Day Storage

HypoThermosol®



3 Day Storage



6 Day Storage

Green

Actin Cytoskeleton
Phalloidin (FITC)

Red

Mitochondria Activation
MitoTracker® Red

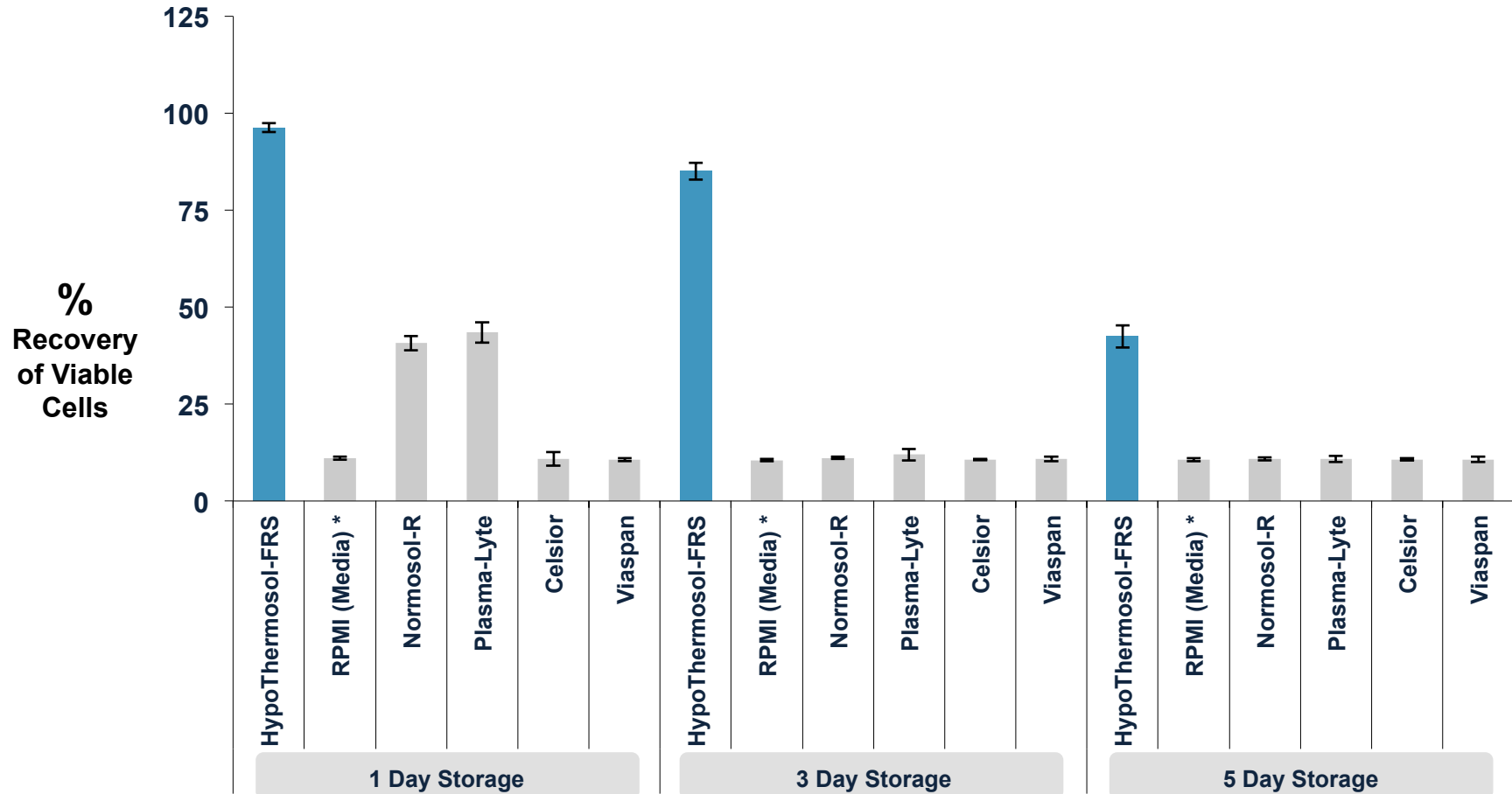
Blue

Nuclear Stain
Hoechst

20X magnification

24 Hour Post Storage Recovery of Human Dental Pulp Stem Cells Following Hypothermic Storage

Commercial Solution Comparison: Serum and Serum-Free Media

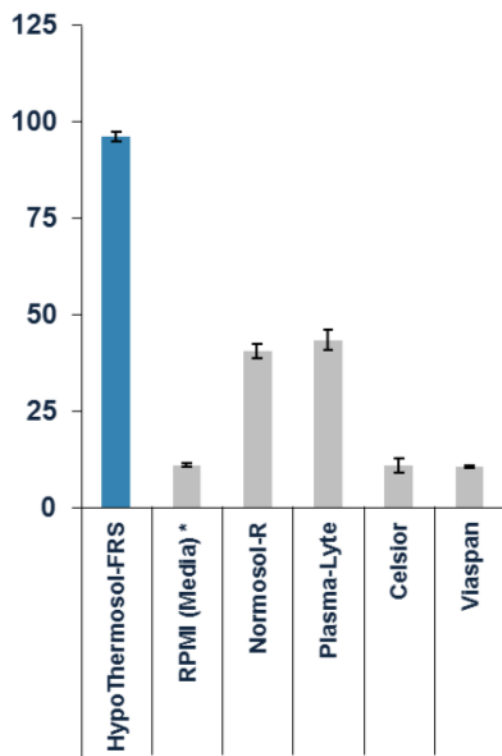


* Contains serum

amarBlue® stain for metabolic activity

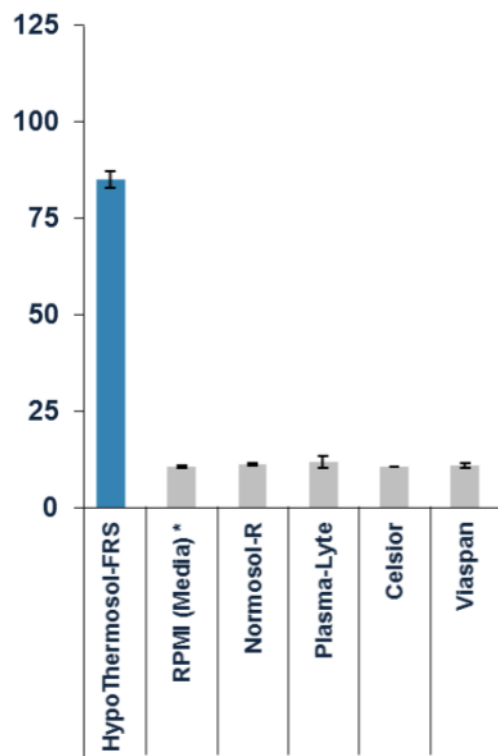
24 Hour Post Storage Recovery of Human Dental Pulp Stem Cells Following Hypothermic Storage

Commercial Solution Comparison: Serum and Serum-Free Media
% Recovery of Viable Cells



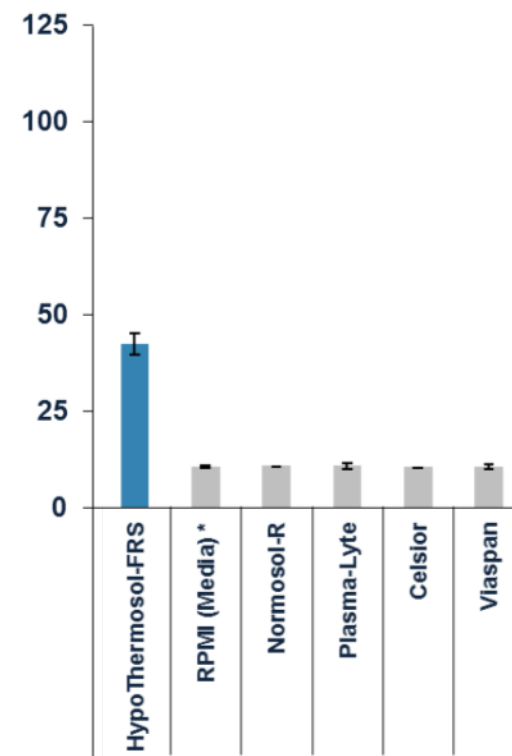
1

DAY STORAGE



3

DAY STORAGE



5

DAY STORAGE

* Contains serum
amarBlue® stain for metabolic activity