

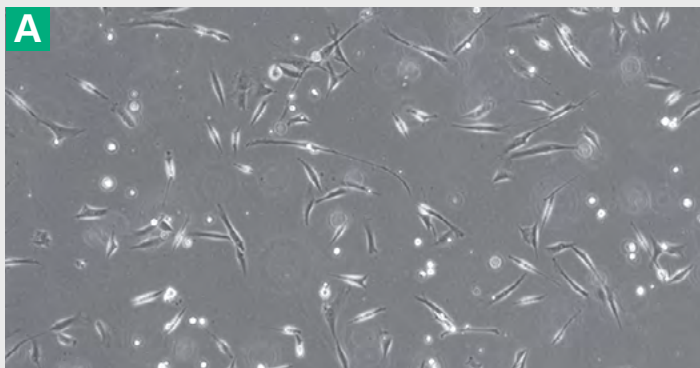
# PRIME-XV FreezIS

Protein-free, Animal Component-free,  
Chemically Defined Cryopreservation Solution

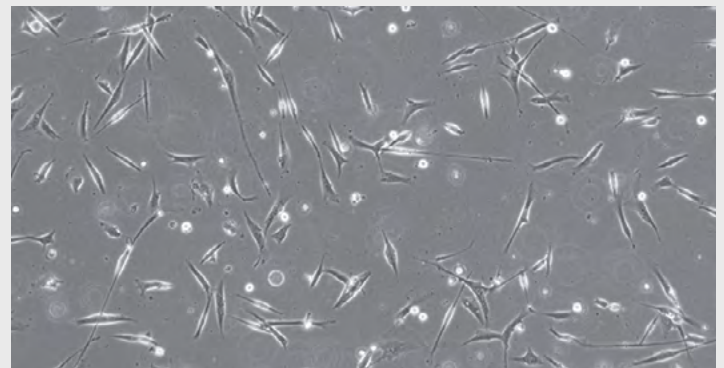
- Enables preservation for short-term storage at -80°C and long-term storage in liquid nitrogen to -196°C
- High post-thaw viability and growth
- Maintains cell surface marker expression of mesenchymal stromal/stem cells (MSCs) and T cells post-thaw
- Complete, ready-to-use medium
- Contains DMSO in the formulation



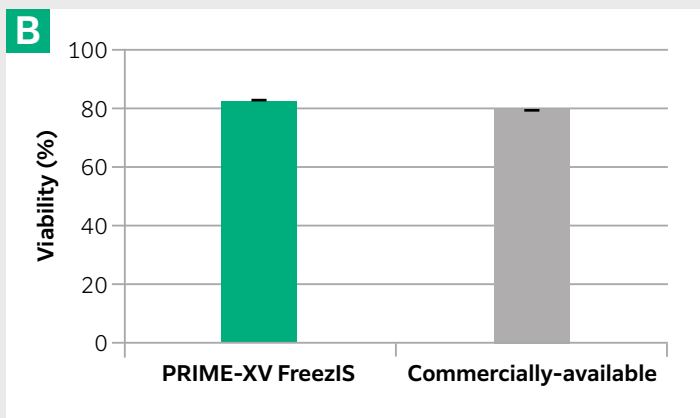
Maintains High Post-thaw Viability of MSCs



**PRIME-XV FreezIS**

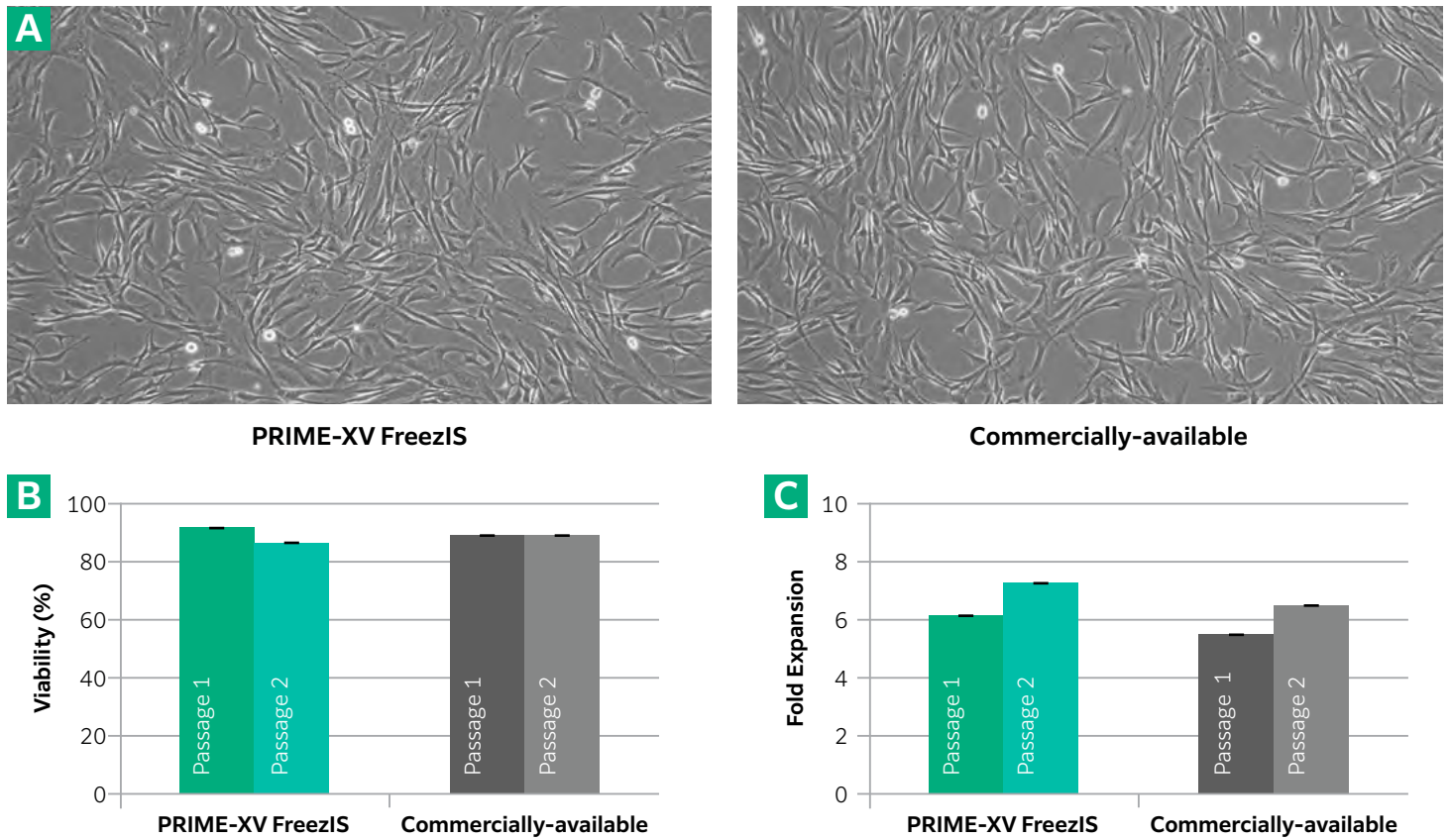


**Commercially-available**

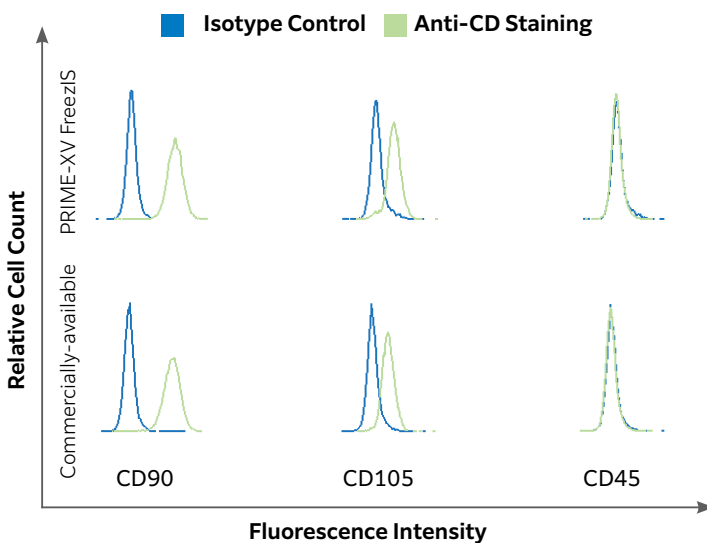


**Figure 1. PRIME-XV FreezIS supports high post-thaw viability of MSCs.** Human adipose-derived mesenchymal stem cells (MSCs) had high plating efficiency (A) and viability (B) 24 hours post-thaw after cryopreservation in PRIME-XV FreezIS compared to a commercially-available cryopreservation solution. Images were taken at 10X magnification.

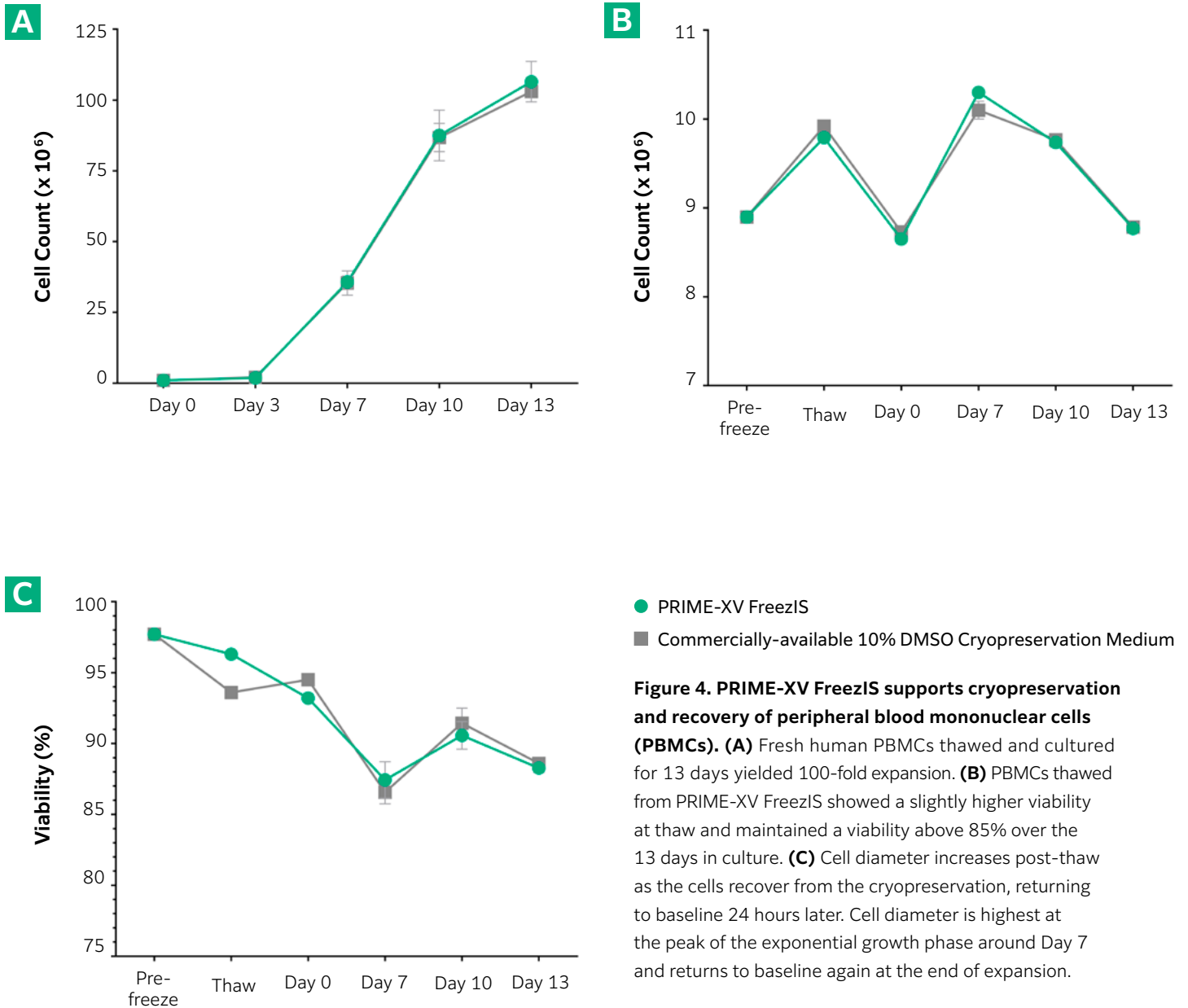
## Supports High Viability and Marker Expression over Multiple Passages



**Figure 2. PRIME-XV FreezIS supports high viability and expansion of MSCs.** Human-adipose derived MSCs showed good morphology and growth (A), high-percent viability (B), and higher viable cell count (C) over 2 passages after cryopreservation in PRIME-XV FreezIS compared to a commercially-available cryopreservation solution. Images were taken at 10X magnification.



## Maintains PBMC Viability and Cell Recovery



**Figure 4. PRIME-XV FreezIS supports cryopreservation and recovery of peripheral blood mononuclear cells (PBMCs).**

**(A)** Fresh human PBMCs thawed and cultured for 13 days yielded 100-fold expansion. **(B)** PBMCs thawed from PRIME-XV FreezIS showed a slightly higher viability at thaw and maintained a viability above 85% over the 13 days in culture. **(C)** Cell diameter increases post-thaw as the cells recover from the cryopreservation, returning to baseline 24 hours later. Cell diameter is highest at the peak of the exponential growth phase around Day 7 and returns to baseline again at the end of expansion.

To discuss your requirements, contact us at [getinfo@fujifilm.com](mailto:getinfo@fujifilm.com) or visit our website at [fujifilmbiosciences.fujifilm.com/contact-us](http://fujifilmbiosciences.fujifilm.com/contact-us)

- FDA, Federal, and State registered - GMP-compliant manufacture
- EN ISO 13485:2016 certified
- Extensive QC testing including functionality, sterility (USP <71>), endotoxin (USP <85>), and mycoplasma (USP <63>)
- Drug Master Files (DMFs)\* filed with the FDA

\*Available upon request.

## ORDERING INFORMATION

Product Description	Catalog #	Size**	Additional Information
PRIME-XV FreezIS	91139	10 mL 100 mL	Protein-free, chemically defined, animal component-free cryopreservation medium. Contains DMSO.

## RELATED PRODUCTS

Product Description	Catalog #	Size**	Additional Information
PRIME-XV FreezIS DMSO-Free	91140	10 mL 100 mL	Protein-free, chemically defined, animal component-free cryopreservation medium. Does not contain DMSO.
PRIME-XV MSC Expansion XSFM	91149	250 mL 1 L	Xeno-free, serum-free medium for MSC expansion.
PRIME-XV MSC Expansion SFM	91135	250 mL 1 L	Serum-free medium for MSC expansion.
PRIME-XV T Cell Expansion XSFM	91141	1 L	Xeno-free, serum-free T-cell medium. Contains Gentamicin.
PRIME-XV T Cell CDM	91154	1 L	Chemically defined, animal component-free formula. Does not contain antibiotics or phenol red.
PRIME-XV Hematopoietic Cell Basal XSFM	91211	500 mL	Xeno-free, serum-free HSC basal medium.
CTGrade GMP rh IL-2 <sub>c126S</sub>	500-01	50 µg 100 µg 1 mg	Manufactured following GMP in a facility that does not use or process beta-lactam containing materials, no histidine tags, and 0.2 micron filtered. No animal- or human-derived materials were used during manufacturing or as ingredients.
CTGrade GMP rh IL-7	500-07	50 µg 100 µg 1 mg	
CTGrade GMP rh IL-15	500-08	50 µg 100 µg 1 mg	
CTGrade GMP rh IL-21	500-09	50 µg 100 µg 1 mg	

\*\*Custom sizes and packaging available upon request.