

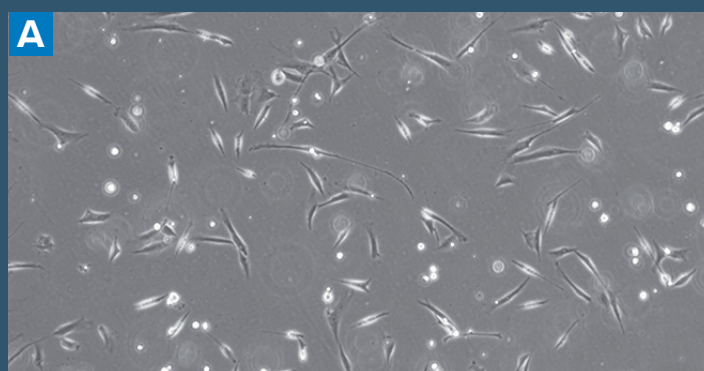
PRIME-XV FreezIS

Protein-free, animal component-free,
chemically defined cryopreservation solution

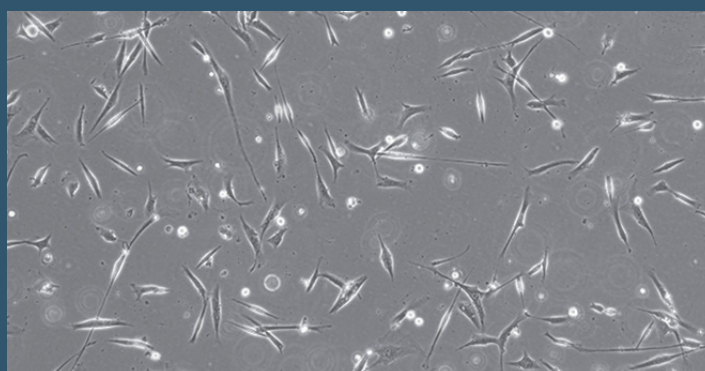
- Enables preservation for short-term storage at -80°C and long-term storage in liquid nitrogen to -196°C
- High post-thaw viability and growth
- Maintains cell surface marker expression of mesenchymal stem cells (MSCs) and T cells post-thaw
- Complete, ready-to-use medium
- Contains DMSO in the formulation



Maintains high post-thaw viability of MSCs



PRIME-XV FreezIS



Commercially-available

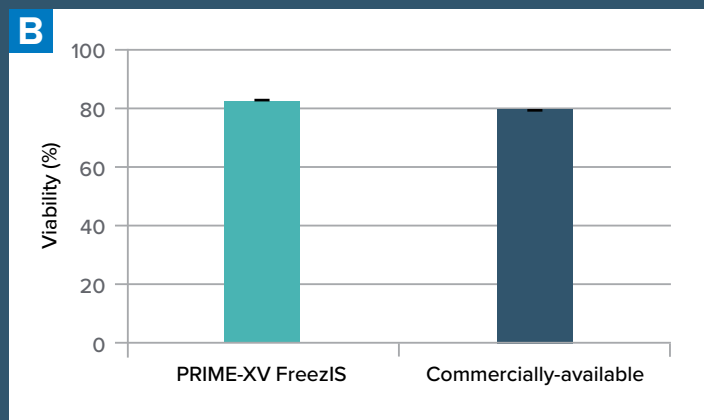


Figure 1. PRIME-XV FreezIS supports high post-thaw viability of MSCs. Human adipose-derived mesenchymal stem cells (MSCs) had high plating efficiency (A) and viability (B) 24 hours post-thaw after cryopreservation in PRIME-XV FreezIS compared to a commercially-available cryopreservation solution. Images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

Supports high viability and marker expression over multiple passages

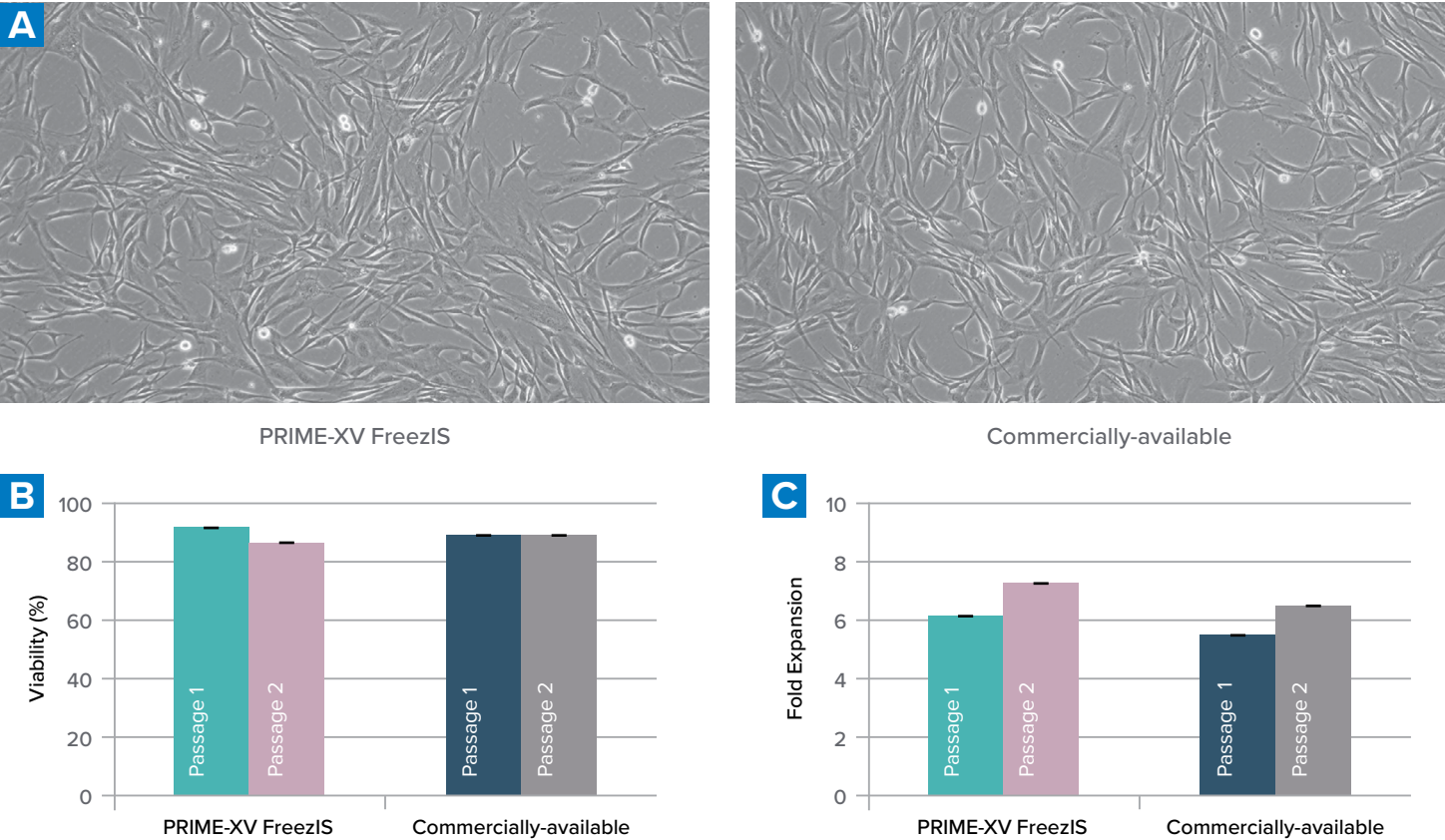


Figure 2. PRIME-XV FreezIS supports high viability and expansion of MSCs. Human-adipose derived MSCs showed good morphology and growth (A), high percent viability (B), and higher viable cell count (C) over 2 passages after cryopreservation in PRIME-XV FreezIS compared to a commercially-available cryopreservation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

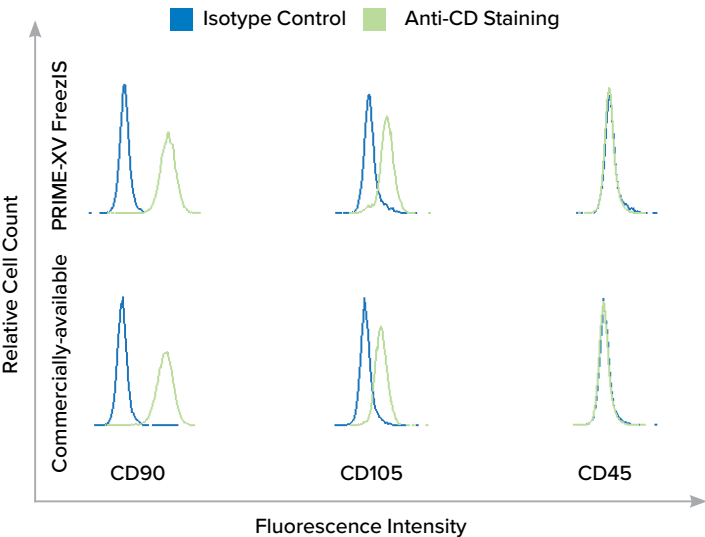
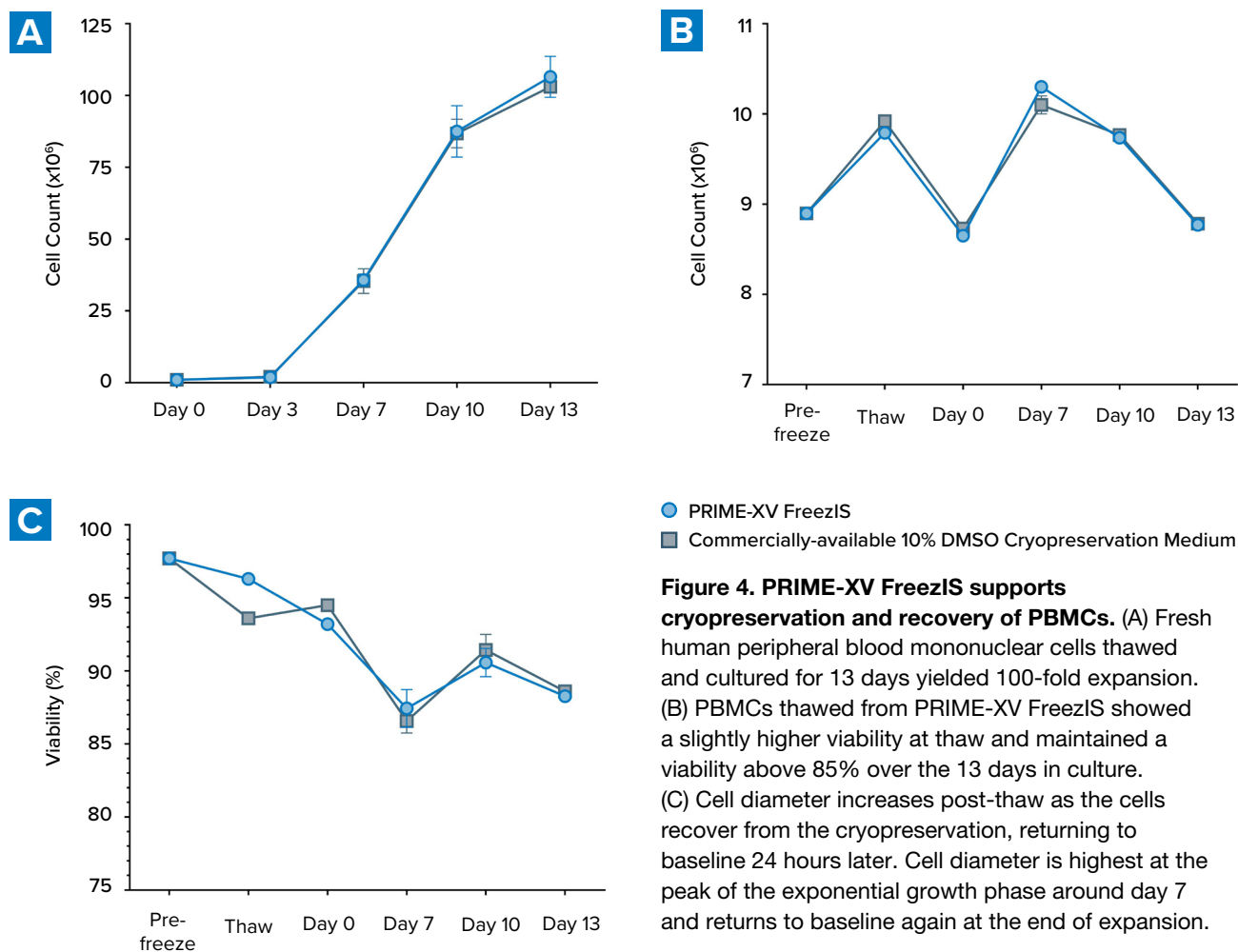


Figure 3. PRIME-XV FreezIS maintains desired marker expression. Human adipose-derived MSCs were cultured for 2 passages post-thaw after cryopreservation in PRIME-XV FreezIS and a commercially-available cryopreservation solution. Analysis by flow cytometry showed MSCs were positive for CD90 and CD105 cell surface markers but lacked CD45 expression.

Maintains PBMC viability and cell recovery



- FDA, Federal, and State registered - cGMP-compliant manufacture
- EN ISO 13485:2016 certified
- MDSAP 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

To discuss your requirements, contact us at getinfo@irvinesci.com or visit our website at www.irvinesci.com/contact-us.

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 rh IL-2 _{C126S}	500-01	50 µg 100 µg 1 mg	Manufactured following cGMP practices 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 rh IL-7	500-07	50 µg 100 µg 1 mg	Manufactured following cGMP practices 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 rh IL-15	500-08	50 µg 100 µg 1 mg	Manufactured following cGMP practices 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 rh IL-21	500-09	50 µg 100 µg 1 mg	Manufactured following cGMP practices 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.

*Custom sizes and packaging available upon request.



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