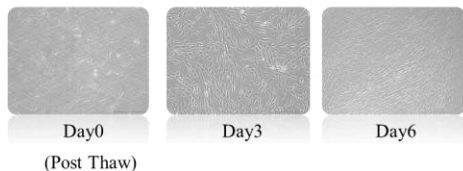
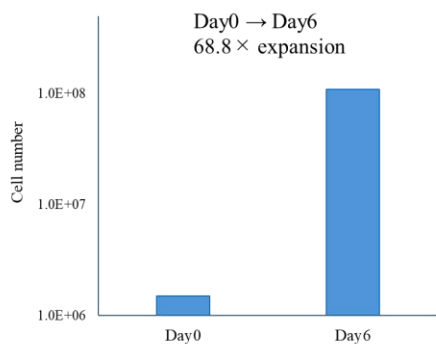


Primary hMSC Cryopreserved with BAMBANKER™ iStock Maintain High Viability, Expansion Capacity, and Multipotency



The following shows the results of cryopreserving primary hMSCs (derived human adipose-derived cryopreserved at BAMBANKER™ iStock after 2 passages, then thawed and cultured for 6 days).

Suspend 2×10^6 cells in 1 mL of BAMBANKER™ iStock and freeze at -80°C . The next day, the cells were transferred to liquid nitrogen. One week later, they were thawed in a 37°C water bath, suspended in washing solution (saline + 0.1% HSA [human serum albumin]), and centrifuged at 200 G for 5 minutes. The supernatant was then discarded, the cells were suspended in medium (for MSC), seeded into dedicated flasks.

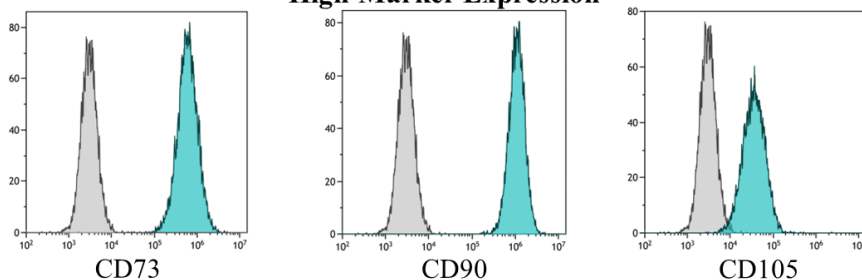
Results

hMSC cryopreserved with BAMBANKER™ iStock have been shown to possess the ability to differentiate into Adipocyte, Osteoblast, and Chondrocyte and to express cell surface markers (CD73, CD90, and CD105). BAMBANKER™ iStock maintain High Viability, Expansion Capacity, and Multipotency.

Multi-lineage Differentiation Potential



High Marker Expression



PARAMETER	RESULT
Frozen cells	$2.0 \times 10^6/\text{Vial}$ Final cells 1.1×10^8
Viable cells (Post-Thaw)	1.6×10^6 Total expansion $68.8 \times$
Recovery	80% CD Marker Exp $90\%>$
Expantion Time	6 Days

BAMBANKER™ iStock is a Xeno-Free cell cryopreservation medium suitable for human ES/iPS cells and regenerative medicine research.

Features

- Preparation of preservative solution is not required. Can be used without diluting.
- Program freezer is not required.
- Frozen cells can be frozen rapidly and for long periods at deep freezer (-80°C).
- Contains no serum or components derived from other species.

contact us!

Free samples (10 mL) are available



GC Lymphotec