

KM Banker III

Overview

KM Banker III is a ready-to-use cryopreservation solution that does not contain Dimethylsulfoxide (DMSO) which may suppress differentiation induction.

Characteristics

- Chemically-defined and DMSO-free formulation.
- Free of animal-derived components.
- Ready-to-use and simple protocol.

Protocols

1. Make the cell pellet with centrifugation (3-5 minutes at 1000-1300 rpm) and removes the supernatant.
2. Add KM banker III to the pellet and gently suspend (cell concentration from 1.0×10^5 cells/ml to 5.0×10^6 cells/ml).
3. Transfer the suspended cells to the suitable cryopreservation tubes.
4. Place the cryopreservation tubes in a commercial freezing container and freeze it gradually at -80°C .
5. For long-term storage, transfer the tubes to the liquid nitrogen after freezing.



Cryopreservation Test Data

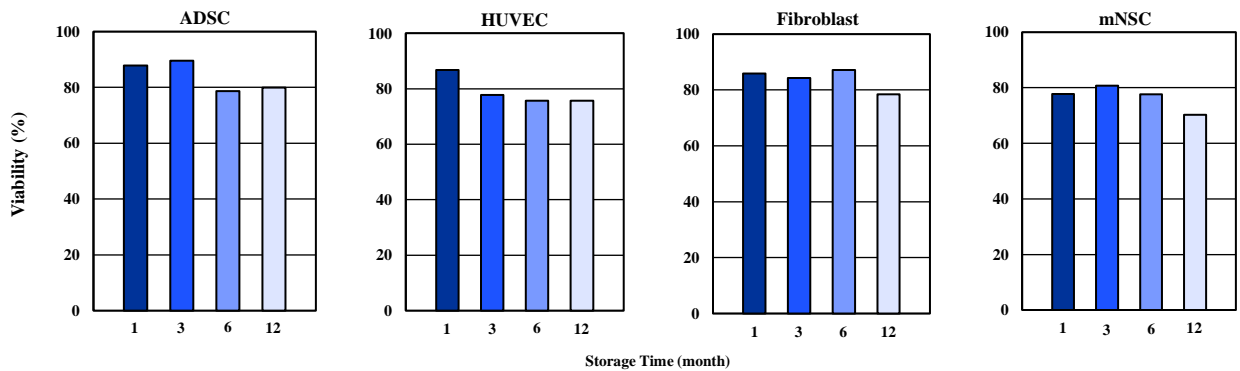


Fig. 1 Comparison of the cell viability by storage period

Cell viability was calculated immediately after thawing the cells cryopreserved for 1, 3, 6, 12 months using KM Banker III.

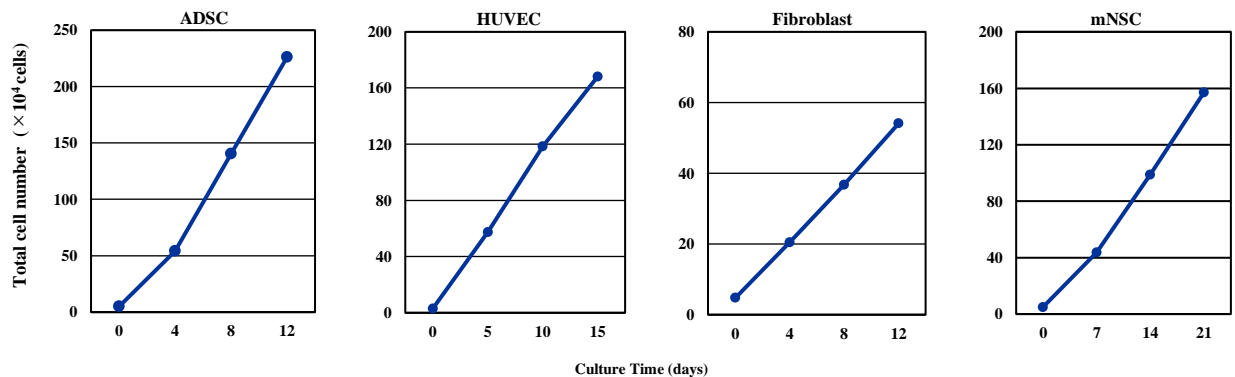


Fig. 2 Proliferation test of the cells cryopreserved in KM Banker III for 12 months

The cells were thawed by a conventional method and cultured under optimal conditions.

Product No.	Product Name	Size	Price	Shelf Life	Storage
16092020	KM Banker III	100 mL	JPY 16,000	2 years *	$-2\text{--}8^\circ\text{C}$

* from production date

* This product is sold for research purposes only.