

BICELL (BIO FREEZING VESSEL)

Cryopreservation vessel for animal cells

- Cells can be preserved by freezing without programmable freezers.
- BICELL offers high viability and retrieval of cells.
- BICELL involves no operation expense.
- Usage of BICELL is easy. Keep BICELL at 4°C. Prepare specimen with your ordinary procedure for cryopreservation of cells. Insert sealed ampuls or serum tubes into BICELL. Place BICELL into a -80°C freezer. A freezing process is completed within approx. 3 hours.



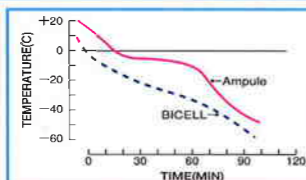
BICELL

Specifications

Heat resistant range	-80°C~+40°C
External dimensions	φ88x H109 mm (Inclusive of lid)
Internal dimensions	φ50×H69mm
Weight	Approx. 200g
Freezing buffer	Approx. 100 ml
Capacity	Serum tube (1.8~2ml): Approx. 7 to 8 Glass ampuls (1ml): Approx. 9 to 10

TEST DATA

Medium : EMEM + FCS10% + DSO5%
 Specimen Tube : Glass ampule (1ml)
 (Equivalent to 0.5cc plastic tube)
 Specimen : VERO (African green Monkey)
 Cell Density : 5×10^6 /ml
 (Sealed Glass Ampules placed into BICELL were stored in -80°C freezer.)



DATA OF BICELL

ASCITES TUMOR CELLS

Name of cells	Kind of animal	Years of preservation	Name of viable cells (%)		
			Before freezing	After thawing	Survival rate
M-1498	Mouse C57BL	0.5	99	95	96
MM-102	Mouse	1.5	90	83	92
	C3H/He	2.5	90	72	80
FM3A	Mouse	2.0	94	90	96
	C3H/He	5.0	97	93	96
S-37	Mouse	3.0	91	71	78
	JCR/JCL	5.0	88	79	90
Yoshida-Sarcoma	Rat	3.0	91	31	34
	Donryu	4.0	91	54	59

INCUBATION CELLS

Name of cells	Years of preservation	Survival rate (%)
HeLa-S ₃	3	95.5
Vero	10	90
BHK21-C1 ₁₃	12	65
*Primary culture of Human fibroblast	12	75
MDCK	7	85
FM ₃ A	12	93
*Primary culture of chick embryo cells	13	55

NIHON FREEZER

GENERAL CATALOGUE



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