CryoBanker® Cell Freezing Medium, Serum Free

Cat. No. CB-50, CB-100
Storage Temperature 4℃

CRYOBANKER is a serum-free cell cryopreservation medium with unique complete formulation for broad spectrum of mammalian cell cultures. The unique formulation allows for stable cryopreservation and high viability after freeze-thaw procedure, without potential risk of contamination by serum. Optimum for serum-free cultured cells and peptide/protein expressing cells cryopreservation.

1. Characteristics

- High cell viability,
- No risk of contamination by serum derived pathogens
- Batch-to-batch stability.
- Complete formulation,
- No further preparation,
- Direct freezing at -80℃,
- No programmable freezer required, etc.

2. Contents

- Serum-free formulation.
- Contains DMSO.

Cat. No.	Quantity
CB-50	50ml
CB-100	100ml

3. Storage/Stability Conditions

The medium is shipped on cool packs. Upon receipt, store at 2~8℃. The medium is stable until the expiration date stated on the label.

4. Protocols

I. Freezing

For optimum results, cells for cryopreservation should be in log phase of growth. Similar or standard freezing protocols may be substituted.

1) Examine and make sure the cell culture free of contamination, in healthy situation and proper confluency, etc.
2) Perform a cell count to determine the viability of cells.
3) Gently pellet the cells by centrifugation (3 - 5 minutes at 1,000~2,000rpm, 4℃). Remove the supernatant by using an aspirator.
4) Gently suspend the cells with CRYOBANKER® cryopreservation medium (1 ml for $5\times10^{5\sim6}$ cells).
5) Dispense the cell suspension in 1ml aliquots to cryopreservation vials that have been labeled with the cell line name, cell concentration, passage date and other essential information.
6) Place the vials directly -80℃ for storage. If necessary, transfer the frozen vials to a liquid nitrogen storage tank after the vials have been frozen for at least 24 hours.

II. Thawing

1) Remove the frozen cell from storage and quickly thaw in a 37℃ shaking water bath.
2) Immediately dilute and gently mix each 1ml of cells with 10ml of complete cell culture medium.
3) Gently pellet the cells by centrifugation (3-5 minutes at 1,000 ~ 2,000rpm, 4℃). Remove the supernatant by aspirator.
4) Gently suspend the cells with appropriate volume of complete cell culture medium. And plate in a culture flask.
5) Continue the further culture procedures according to standard protocols.

5. Quality Control

Quality Control TESTS	SPECIFICATION
Endotoxin tested	Not more than 6 EU/ml
Mycoplasma tested	Not detected
Cell culture tested	Hela cell
Sterile-filtered	0.2um

6. Applicable cell lists

A10	CHO	ELM-D	Kato-III	NIH3T3	Vero
A2781	CHO-K1	HeLa cell	KM12-LX	P388	WEHI3B
Ac2F	Colo203	Hep3B	L5178Y	PC12	WiDr
AtT20	COS1	Hepal-6	L929	Raji	293
Ba/F3	COS7	HepG2	LM	RAW264.7	293T
BHK-21	CTLL-2	HL-60	LNCap	sf9	32D
C2C12	DLP-1	HT-2	MCF-7	SK-N-MC	3LL
C3H10T1/2	DT40	Huh-7	MDCK	SN12C	
Caco-2	DU145	Jurkat	Molt-4	THle3	
CHL/1U	EJ-1	K-562	NCI-H441	T24	

7. Related Products

BioMycoX® Mycoplasma Detection Kit
Cat. No. D-25, D-50, D-100

BioMycoX® Mycoplasma Elimination Kit
Cat. No. E-01 (1 application)

BioMycoX® Mycoplasma Prevention Spray
Cat. No. P-1000 (1 L)