

## **BAMBANKER™** Serum-Free Cell Freezing Medium

**For Research Use Only**

**Store at 2~10°C**

**BAMBANKER™** is a serum-free medium for long-term storage of cells at -80 °C and the preservation of valuable cultures such as tumor cells, stem cells and normal cells.

### **Features**

Ready-to-use medium for the preservation of cells.  
No dilutions required for use.  
No programmable freezer system required,  
Rapid and long-term freezing and preservation in a deep freezer (-80 °C) or liquid nitrogen  
Serum-free

### **Operating Procedure**

- 1) Centrifuge the cells in logarithmic growth phase\*, and collect  $5 \times 10^5 \sim 1 \times 10^7$  cells.
- 2) Suspend the collected cells in 1 ml of BAMBANKER™, and place the cells in cryo tubes suitable for freezing and preservation. Then, freeze and preserve the cells at -80 °C without step-wise freezing. If the cells are frozen at -80 °C for at least 12 hours, then subsequently preserve in liquid nitrogen. If there is no -80 °C freezer available, you can store the cells in liquid nitrogen if previously frozen at -20 °C for at least 12 hours. In some cases, the cells can be frozen directly in liquid nitrogen but please keep in mind that some very sensitive cell lines will show a lower viability.

### **Thawing Procedure**

1. Thawing must be carried out quickly in a constant-temperature chamber or water bath (37 °C).
2. To guarantee the cells are in the best condition for culturing, suspend 1mL BAMBANKER™ solution (containing cells) in 10mL fresh culture media.
3. Mix well and centrifuge at 300-400xg for 3 minutes and remove the supernatant. The cells are now ready for culturing and other downstream experiments."

\*The cells must be frozen in logarithmic growth phase.

### **Sterility test\*\***

Endotoxin: Chromogenic substrate method  
Mycoplasma: Fluorescent antibody method  
Fungi and bacteria: As per Japanese Pharmacopoeia.

(\*\*): Certificate of analysis can be issued upon request.)

### **Applications** (Cells preserved well by cryopreservation test):

P3U1 (mouse myeloma cell line), K562 (human leukemia cell line), human gastric epithelial cells, human  $\gamma$ δT cells.  
Daudi (human B cell line), PC12 (rat-derived adrenal pheochromocytoma), human B cell line  
OKT4 (mouse hybridoma), monkey B cell line, activated lymphocyte derived from human peripheral blood, activated lymphocyte derived from mouse spleen.

### **Precautions**

- ◆ Use for research purposes only, not for human use.
- ◆ Prior to using this medium, perform the confirmation test on a sample of the cells under study.
- ◆ The manufacturer is not responsible for any loss or damage caused by the use of this product.
- ◆ If you have any questions on the use of this medium, please contact your local distributor.

Catalog No.	Description	Package Size	Storage	Expiration period
BB01	<b>BAMBANKER™</b> Serum-Free Cell Freezing Medium, containing 10% DMSO	120mL	Keep at 2~10°C	2 years after manufacture
BB02		5 × 20 mL		
BB03		1 × 20 mL		

**Manufactured by:**

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