

# BAMBANKER™

## Serum-Free Cell Freezing Medium

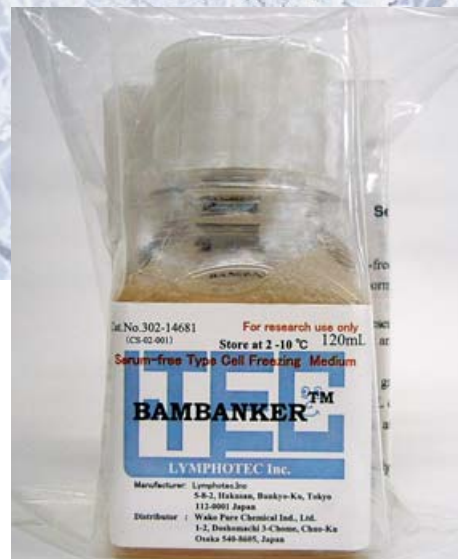
For Research Use Only

**Wako Catalog No. 302-14681 120 mL**

Manufactured by LYMPHOTEC Inc.

Lymphotec's product No.CS-02-001

Keep at 2~10°C



**BAMBANKER™** is a serum-free medium for long-term freezing at -80°C and preservation of valuable culture cells such as tumor cells and normal cells.

### Features ●●●●

- ◆ Ready-to-use medium for preservation of cells
- ◆ Usable without diluting
- ◆ No program freezer is required
- ◆ Rapid and long-term freezing and preservation in a deep freezer (-80°C)
- ◆ 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 this medium, and place the cells in cryotubes for freezing and preservation. Then, freeze and preserve the cells at -80°C without preliminary freezing. The cells frozen at -80°C can be preserved subsequently in liquid nitrogen.
- 3) Thawing must be carried out quickly in a constant-temperature chamber or a bath.

★: 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 will be issued upon request.)

**Wako**

## Applications ●●●●

[Cells preserved well by cryopreservation test]:

- P3U1 (mouse myeloma cell line), K562 (human leukemia cell line), human gastric epithelial cells, human  $\gamma\delta$ T 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 only for research purposes, not for human use.
- ◆ Prior to using this medium, perform the confirmation test on the cells under study.
- ◆ The manufacturer shall not be responsible for any accident or damage caused by the use of this product.
- ◆ If you have any questions on the use of this medium, please contact the local distributor.

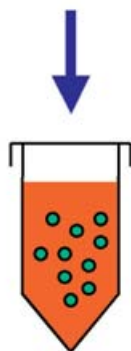
Wako Catalog No.	Description	Package Size	Storage	Expiration period
302-14681	<b>BAMBANKER™</b> Serum-Free Cell Freezing Medium, containing 10% DMSO (Lymphotec's product No.CS-02-001)	120 mL	Keep at 2~10°C	2 years after manufacture

**BAMBANKER™** is manufactured by **TEC LYMPHOTEC Inc.**  
<http://www.lymphotec.co.jp>



# BAMBANKER™

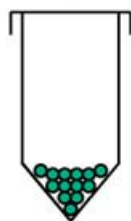
## Operating Procedure ●●●●



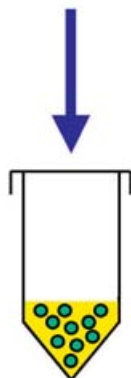
Transfer cell suspension from culture vessel to a centrifuge tube



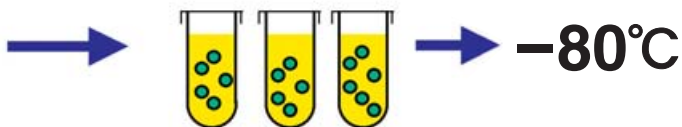
Centrifuge



Remove the supernatant



Add BAMBANKER™ and suspend cells at  $5 \times 10^5 \sim 1 \times 10^7$  cells/mL



Aliquot the suspension into cryotubes.



# Comparison of Bambanker™ with other relevant products ••••

## -Cryopreservation Test-

### Result

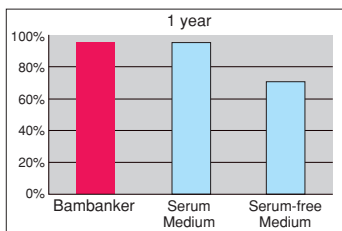
\*1: Storage period of Cell Line at -80°C

Media tested 1. Bambanker™ (LYMPHOTEC Inc.)  
2. Medium with serum (Company A)  
3. Serum-free Medium (Company A)

#### P3U1 (mouse myeloma cell line)

Storage Period	1 year	*1
<b>Bambanker</b>	<b>95%</b>	
Serum Medium	95%	
Serum-free Medium	70%	

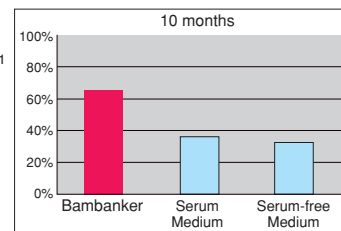
Cell number/vial  $2.0 \times 10^6$



#### human $\gamma\delta$ T cells

Storage Period	10 months	*1
<b>Bambanker</b>	<b>65%</b>	
Serum Medium	37%	
Serum-free Medium	35%	

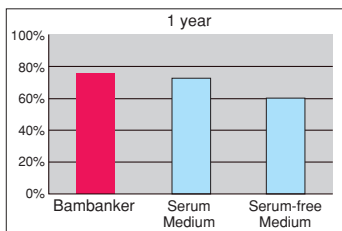
Cell number/vial  $1.0 \times 10^6$



#### K562 (human leukemia cell line)

Storage Period	1 year	*1
<b>Bambanker</b>	<b>73%</b>	
Serum Medium	70%	
Serum-free Medium	60%	

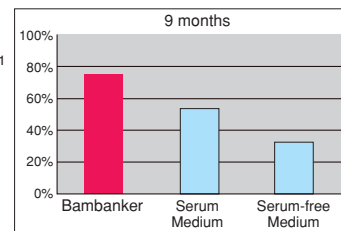
Cell number/vial  $3.0 \times 10^6$



#### human B cell line

Storage Period	9 months	*1
<b>Bambanker</b>	<b>74%</b>	
Serum Medium	54%	
Serum-free Medium	35%	

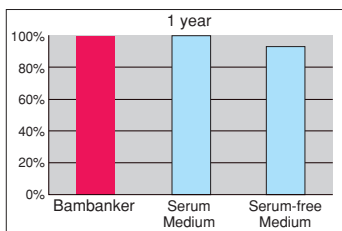
Cell number/vial  $1.0 \times 10^6$



#### OKT4 (mouse hybridoma)

Storage Period	1 year	*1
<b>Bambanker</b>	<b>100%</b>	
Serum Medium	100%	
Serum-free Medium	92%	

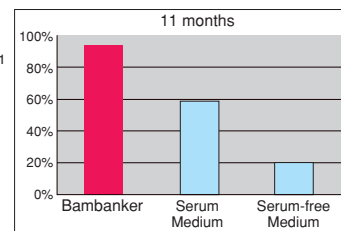
Cell number/vial  $1.3 \times 10^6$



#### PC12 (rat-derived adrenal pheochromocytoma)

Storage Period	11 months	*1
<b>Bambanker</b>	<b>95%</b>	
Serum Medium	59%	
Serum-free Medium	20%	

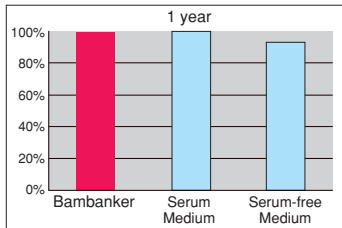
Cell number/vial  $1.0 \times 10^6$



#### Daudi (human B cell line)

Storage Period	1 year	*1
<b>Bambanker</b>	<b>100%</b>	
Serum Medium	100%	
Serum-free Medium	92%	

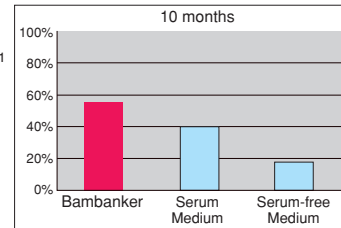
Cell number/vial  $9.2 \times 10^5$



#### monkey B cell line

Storage Period	10 months	*1
<b>Bambanker</b>	<b>56%</b>	
Serum Medium	40%	
Serum-free Medium	18%	

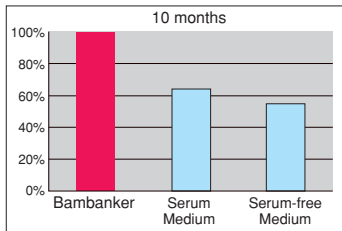
Cell number/vial  $1.0 \times 10^6$



#### human gastric epithelial cells

Storage Period	10 months	*1
<b>Bambanker</b>	<b>100%</b>	
Serum Medium	62%	
Serum-free Medium	56%	

Cell number/vial  $1.0 \times 10^6$



**BAMBANKER™** is manufactured by **LYMPHOTEC Inc.**

Distributed by:

#### Wako Pure Chemical Industries, Ltd.

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