

## Instruction Manual

### Bambanker™ DMSO Free

DMSO-Free and Serum-Free cell freezing medium

Cat. No. BBF01 (1 x 20 ml), BBF02 (1 x 10 ml)

#### - For Research Use Only -

**Bambanker™ DMSO Free** is a DMSO- and serum-free medium and preservation for valuable and particular sensitive culture cells. Most preservation media are blended with DMSO in order to avoid formation of ice crystals during storage. DMSO is cytotoxic and hence in particular the survival rate of sensitive cells is decreasing. Bambanker™ DMSO Free is adjusted for this kind of cells.

#### Features:

- 1.) Ready-to-use medium for preservation of cells
- 2.) Usable without diluting
- 3.) No programmable freezer is required
- 4.) DMSO-free and 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 Bambanker™ DMSO Free and place the cells in cryotubes for freezing and preservation.  
Afterwards freeze and preserve the cells at  $-80\text{ °C}$  without preliminary freezing. The cells frozen at  $-80\text{ °C}$  can be preserved subsequently in liquid nitrogen.
- 3.) Thawing must be carried out quickly in a constant-temperature chamber or bath.  
! The cells must be frozen in logarithmic growth phase. !

#### Sterility test:

- Endotoxin: Colorimetric method
- Mycoplasma: PCR method
- Fungi and bacteria: Agar streak test

#### Applications - Cells preserved well by cryopreservation test:

- Jurkat (Human leukemia T cell line)
- HEK293 (Human embryonic kidney cell line)
- HepG2 (Human liver cancer cell line)

**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.

Cat. no.	Description	Package Size	Storage	Expiration period
BBF01	DMSO-free, serum-free cell freezing medium	20 ml	Keep at 2 - 10 °C	12 months after manufacture

**Manufactured by:****LYMPHOTEC Inc.**

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