

BAMBANKER® hRM
Serum-Free, Xeno-free Cell Freezing Medium

<For Research Use Only>

BAMBANKER® hRM is a xeno-free, serum-free cryopreservation medium used for cryopreserving variety of human derived cells including T lymphocytes. The cells are cryopreserved in a ultra low temperature freezer immediately after suspending with **BAMBANKER® hRM**.

Features

- 1) **BAMBANKER® hRM** is a ready-to-use medium, directly from a container without any preparation or dilution.
- 2) A controlled-rate freezer is not required.
- 3) **BAMBANKER® hRM** allows rapid freezing and preserving cells immediately after placing the cells suspended with **BAMBANKER® hRM** in a ultra low temperature freezer at -80°C.
- 4) **BAMBANKER® hRM** is xeno-free, contains no serum.

An example of standard cryopreservation procedure

- 1) Pellet the cells in logarithmic growth phase.
 - 2) Suspend the collected cells with **BAMBANKER® hRM** at a concentration of $5 \times 10^5 \sim 1 \times 10^7$ viable cells/mL and dispense aliquots of this suspension into cryogenic tubes.
 - 3) Then, freeze and preserve the cells in cryogenic tubes at -80°C without preliminary freezing. Transfer the frozen cells into liquid nitrogen as required.
 - 4) In use, thaw the frozen cells in a cryogenic tube quickly in a constant-temperature chamber or water bath.
 - 5) Suspend the thawed cells into approximately 10 times the volume of fresh culture medium.
 - 6) Mix well and spun down at 1,200rpm for 3 minutes, remove the supernatant. Now the cells are ready for culturing and following procedures.
- ★ It is quite important to collect cells growing at logarithmic phase in order to secure a high rate of viable cells after thawing.

Sterility test

Endotoxin, Mycoplasma, Fungi, and bacteria are determined according to the methods that Japanese Pharmacopoeia recommended.

Applications

Human T cells, Human iPS cells, Common Marmoset ES cells

Precautions

- ◆ Use only for research purposes, not for human uses.
- ◆ Prior to use the product, perform a confirmation test of freezing and preservation on the cells under study.
- ◆ The manufacturer shall not be responsible for any accident of damage caused by the use of this product.
- ◆ For further assistance on the use of this medium, please contact the local distributor.

Genetics Catalog No.	Description	Package Size	Storage	Expiration period
BBH01	BAMBANKER® hRM Serum-Free Cell Freezing Medium, containing 10% DMSO	20mL	Keep at 2~10°C	1 year after manufacture

Manufactured by:

LYMPHOTEC Inc.

18-4 , Fuyuki , Koto-Ku, Tokyo 135-0041, Japan

Tel: 81-3-3630-2530/ Fax: 81-3-3630-2531/ <http://www.lymphotec.co.jp>

Distributed by:

NIPPON Genetics Co.,Ltd

Hongo Tsuna Bldg., 17-9, Hongo 6-Chome, Bunkyo-ku, Tokyo, 113-0033, Japan