



# BAMBANKER™ hRM Serum-Free, Xeno-free Cell Freezing Medium

For research only. Store at 2-10°C.

**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**

- BAMBANKER™ hRM is a ready-to-use medium and can be used directly without any preparation or dilution.
- A controlled-rate freezer is not required.
- 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.
- BAMBANKER™ hRM is xeno-free, contains no serum.

## Operating procedure

#### Freezing

- 1. Pellet the cells in logarithmic growth phase\*.
- 2. Suspend the collected cells with BAMBANKER<sup>™</sup> hRM at a concentration of 5 x 10<sup>5</sup> 1x10<sup>7</sup> viable cells/mL and dispense aliquots of this suspension into cryogenic tubes.
- 3. Freeze and preserve the cells at -80°C without step-wise freezing. The frozen cells at -80°C can subsequently be preserved in liquid nitrogen though it is not necessary.

#### Thawing

- 1. Thaw the frozen cells in a cryogenic tube quickly in a constant-temperature chamber or water bath.
- 2. Suspend the thawed cells into approximately 10 times the volume of fresh culture medium.
- 3. Mix well and spin down at 300-400 x g for 3 minutes, remove the supernatant. The cells are now ready for culturing and other downstream experiments.

## Sterility test\*\*

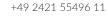
Endotoxin	Colorimetric method
Mycoplasma	Culture method
Fungi and bacteria	Agar streak test

<sup>\*\*</sup>Certificate of analysis can be issued upon request.



+49 2421 55496 0

info@nippongenetics.eu







<sup>\*</sup>The cells must be frozen in logarithmic growth phase in order to secure a high rate of viable cells after thawing.



## Applications (cells preserved well by cryopreservation test)

Human T cells

Common Marmoset ES cells

Human iPS cells

etc.

#### **Precautions**

- For research use 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.

Description	Catalog No.	Package size	Storage	Expiration period
BAMBANKER™ hRM Serum-Free Cell Freezing Medium, containing 10% DMSO	BBH01	1 x 20 mL		1 year after manufacture
	BBH04	1 x 100 mL		

# Manufactured by:

LYMPHOTEC Inc.

18-4, Fuyuki, Koto-Ku, Tokyo135-0041 Japan

Telephone: +81-3-3630-2530 / Fax: +81-3-3630-2531

## Distributed by:

## NIPPON GENETICS EUROPE GmbH

Mariaweilerstraße 28 a, 52349 Düren, Germany

Telephone: +49 2421 55 496 0 / Fax: +49 2421 55 496 11

Copyright © NIPPON Genetics EUROPE GmbH - All Rights Reserved





