



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™ hRM at a concentration of $5 \times 10^5 - 1 \times 10^7$ 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.

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

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

***Certificate of analysis can be issued upon request.*



Applications (cells preserved well by cryopreservation test)

- Human T cells
- Human iPS cells
- Common Marmoset ES 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	Keep at 2-10°C	1 year after manufacture
	BBH04	1 x 100 mL		

Manufactured by:

LYMPHOTEC Inc.

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

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

Distributed by:

NIPPON GENETICS EUROPE GmbH

Mariaweyerstraße 28 a, 52349 Düren, Germany

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