



BAMBANKER™ DIRECT

Serum-Free Cell Freezing Medium

For research only.
Store at 2-10°C.

BAMBANKER™ DIRECT is a novel cell freezing medium which can be added directly to culture medium without centrifuging the collected cells. Then after suspending the cells, the user can freeze and preserve the cells in a deep freezer at -80 °C. In order to meet customers' requests, this product has been modified not to require tiring preparation steps for freezing. This newly developed medium maximizes the work efficiency significantly.

Features

- Tiring preparation steps for freezing are not necessary.
- No programmable freezer is required.
- Add Bambanker™ DIRECT to culture medium without centrifuging the cells.
- Ready-to-use without dilution.
- Rapid and long-term freezing and preservation in a deep freezer (-80 °C).
- Serum-free.

Operating procedure

Freezing of suspended cells

1. Make sure the cells are in logarithmic growth phase* before proceeding.
2. volume of Bambanker™ Direct as that of the culture medium.
3. Conduct a gentle pipetting so that the culture medium and Bambanker™ Direct are uniformly mixed.
4. Transfer the mixed solution to cryo-tubes for freezing and preservation.
5. Freeze cells at -80 °C.

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

Freezing of adherent cells

1. Make sure the cells are in logarithmic growth phase* before proceeding.
2. Remove the culture medium.
3. Rinse the cells twice with PBS. Then add cell detachment solution and detach cells as described by the manufacturer.
4. Add the same amount of Bambanker™ Direct as that of the detachment solution.
5. Conduct a gentle pipetting so that the detachment solution and Bambanker™ Direct are uniformly mixed.
6. Transfer the mixed solution to cryo-tubes for freezing and preservation.
7. Freeze cells at - 80 °C.

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



Thawing

1. Rapidly thaw the cells at 37 °C.
2. Suspend the cells in culture medium.
3. Centrifuge the cells and then remove the supernatant.
4. Suspend the cells in culture medium and then start the seeding and cell culture.

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)

- OKT4 (mouse hybridoma) line)
- HEK293 (human embryonic kidney cell line)
- HEK293T (human embryonic kidney cell line)
- HeLa (human uterine cervical cancer cell line)
- K562 (human chronic myeloid leukemia cell line)
- C2C12 (mouse skeletal muscle cell line)
- PC12 (rat adrenal medulla tumor cell line)
- etc.

Precautions

- For research use only, not for human use.
- This product contains bovine serum-derived compounds.
- 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™ DIRECT Serum-Free Cell Freezing Medium	BBD01	20 mL	Keep at 2-10°C	1 year after manufacture
	BBD02	10 mL		

Manufactured by:

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