



Cell Freezing Media

Bambanker™

Nippon Genetics Europe GmbH

It was never easier to freeze and preserve cells



Bambanker™, manufactured by Lymphotec (Japan), is a serum free medium for long term storage at -80°C. The media can be used to freeze and preserve any cultured cells.



BEFORE

AFTER

Universal

All common cell lines can be preserved resulting in higher numbers of intact cells after thawing. Recovery rates even of sensitive cells are much higher compared to regular cell freezing media.



User-friendly

No diluting, no addition of components (like DMSO or glycerol). No programmable freezer and no sequential freezing steps are required - saves a lot of time.

Stability

Shelf life is 24 months, when stored in a fridge (2° - 10°C).



Flexible

We offer variety packs with 1 x 20 ml, 5 x 20 ml and 1 x 120 ml bottles.

Serum free media

No risk of contamination or interaction with cells by serum proteins.

Innovative

Because of the unique formulation, Lymphotec has got a patent in Europe (Japan and the US are pending).

European patent
EP 1347040





BAMBANKER COMES IN 2 FORMATS

Offered in a 20 ml or 120 ml bottle

Why serum free media?

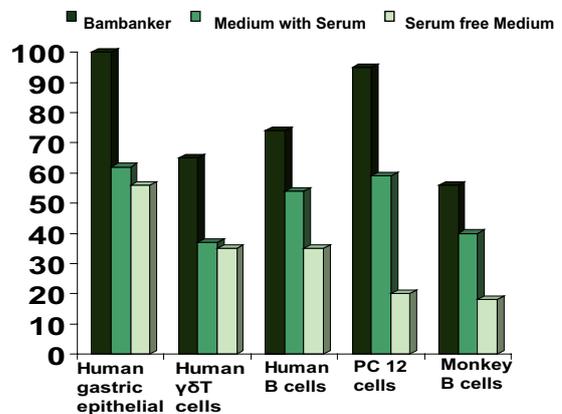
No risk of contamination from serum such as unidentified ingredients, virus particles or mycoplasma. Unidentified ingredients may interfere with cells, especially stem cells.
No risk of „batch to batch inconsistency“ due to serum.

Technical performance

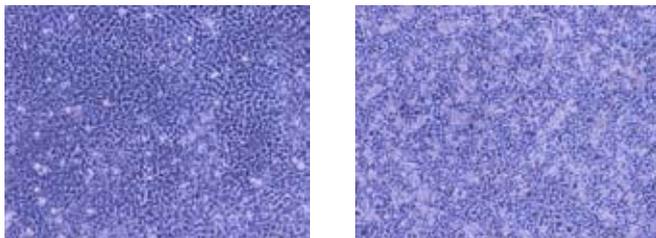
Centrifuge the cells in logarithmic growth phase, and collect $5 \times 10^5 \sim 1 \times 10^7$ cells/ml medium. Suspend the collected cells in 1 ml Bambanker medium and place the cells in cryo tubes for freezing and preservation. Then, freeze and preserve the cells at -80°C without preliminary freezing. The frozen cells can be preserved subsequently in liquid nitrogen.

Quality control

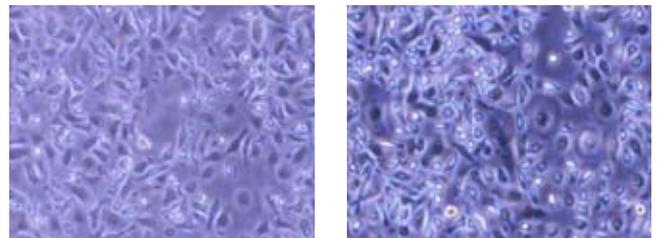
- Endotoxin: Chromogenic substrate method.
- Mycoplasma: Fluorescent antibody method.
- Sterility test: Certificate of analysis will be issued upon request.
- Fungi and bacteria: As per Japanese Pharmacopoeia.



Recovery rate of five different cell lines, preserved in three different media. Cells were incubated as described in the protocols. Cell viability was determined after twelve months



Cell freezing experiment with Ca9-22 cell (17×10^6 cells), a human gingival squamous carcinoma cell line. The left picture shows the cells before freezing and the right after freezing and thaw up.



Cell freezing experiment with HSC ($8,8 \times 10^6$ cells), hematopoietic stem cells. The left picture shows the cells before freezing and the right after freezing and thaw up.

Ordering information

BB01	Bambanker, 120 ml serum free cell culture media
BB02	Bambanker, 5 x 20 ml serum free cell culture media
BB03	Bambanker, 20 ml serum free media

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