



ibidi Freezing Medium is a serum-free medium for long-term freezing at - 80 °C or liquid nitrogen and preservation of valuable culture cells such as tumor cells and normal primary cells. ibidi Freezing Medium is designed for rapid and long-term freezing and preservation in a deep freezer (- 80 °C) or liquid nitrogen. Sequential freezing with defined cooling rates is not required.

Material

ibidi Freezing Medium is a ready-to-use medium for preservation of cells. It is usable without diluting and serum-free (no cell differentiation, same rate of living cells with cellular protectors like Bovine Serum Albumin). ibidi Freezing Medium contains 10% DMSO (dimethyl sulfoxide). There is no addition of DMSO needed. ibidi Freezing Medium is tested for sterility, endotoxins, mycoplasma, fungi, and bacteria.

Why serum-free?

- 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' because of serum.
- Stable product supplying and lower cost. 'Serum' is an expensive and unstable material for manufacturing, because of BSE.

Precautions

- Use only for research purposes, not for human use.
- Prior to using this medium, perform the confirmation test on the cells under study.
- The manufacturer shall not be responsible for any accident or damage caused by the use of this product.

Cell freezing procedure

- Detach and suspend cells as usual.
- Centrifuge the cells in logarithmic growth phase and collect 5×10^5 - 1×10^7 cells. The cells must be frozen in logarithmic growth phase.
- Suspend the collected cells in 1 ml of ibidi Freezing Medium and place the cells in appropriate cryo tubes for freezing and preservation. Then, freeze and preserve the cells at - 80 °C without prior freezing. Cells frozen at - 80 °C can be preserved subsequently in liquid nitrogen.

Thawing must be carried out quickly in a constant-temperature chamber or bath. Thaw cells as usual.

Selected cell tests

ibidi Freezing Medium was successfully tested (9 - 12 months) with a variety of cell lines and primary cells such as P3U1 (mouse myeloma cell line), K562 (human leukemia cell line), PC12 (rat-derived adrenal pheochromocytoma), OKT4 (mouse hybridoma), human gastric epithelial cells, human lymphocytes, human fibroblasts, and human hematopoietic stem cells.

Storage

Keep dark and cool at + 2 °C to + 10 °C. The date of expiration is imprinted on each bottle.

ibidi Freezing Medium family

ibidi Freezing Medium is available in different product versions.

Ordering number	Pack size
80021	1 x 10 ml
80022	5 x 20 ml
80023	1 x 120 ml

For research use only!

Further technical specifications can be found at www.ibidi.com. For questions and suggestions please contact us by e-mail info@ibidi.de or by telephone +49 (0)89/520 4617 0. All products are developed and produced in Germany.

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