



The ibidi Freezing Medium family consists of ready-to-use and serum-free media for the cryopreservation of valuable culture cells. They are 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.

Overview

The ibidi Freezing Medium Classic is designed for the preservation of tumor cells, stem cells and primary cells. It contains 10% DMSO (dimethyl sulfoxide) and can be used directly without preparation of dilutions. The ibidi Freezing Medium Classic is serum-free, but contains cellular protectors like Bovine Serum Albumin, granting both, high cell viability and no cell differentiation.

Shipping and Storage

The storage and shipping conditions are listed in the following table:

	Specifications
Shipping conditions	Ambient
Storage conditions	In the dark at 2-8°C
Shelf life	Under proper storage conditions as indicated on vial
Quality Control	See Certificate of Analysis (on request)

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.

Precautions

- Use only for research purposes, not for human use.
- This product contains bovine serum albumin.
- Prior to using this medium, perform the recommended compatibility test for the appropriate cell type.
- The manufacturer shall not be responsible for any accident or damage caused by the use of this product.

Selected Cell Tests

The ibidi Freezing Medium Classic was successfully tested 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.

Cell Freezing Protocol

- Harvest the cells in the logarithmic growth phase and determine the cell number.
- Resuspend the cells in ibidi Freezing Medium Classic and adjust the cell concentration to $5 \times 10^5 - 1 \times 10^7$ viable cells/ml.
- Pipette 1 ml cell suspension into each cryogenic tube and freeze the cells at -80°C for 24 - 72 hours without preliminary freezing.
Note: Freezing the cells in a freezing container with defined cooling rates is also possible.
- If required, transfer the frozen cells into liquid nitrogen.

Cell Thawing Protocol

- Thaw the frozen cells in a constant-temperature chamber or water bath at 37°C.
- Suspend the cells into approximately 10 times the volume of fresh culture medium.
- Mix well and spin down the cell suspension at 200 ×g for 3 minutes. Remove the supernatant. Now, cells are ready for culturing and following procedures.

Ordering Information

ibidi Freezing Medium is available in different product versions.

Cat. No.	Description	Amount
80022	ibidi Freezing Medium Classic: with Bovine Serum Albumin	5 × 20 ml
80023	ibidi Freezing Medium Classic: with Bovine Serum Albumin	120 ml
80024	ibidi Freezing Medium Direct: no cell centrifugation required, with Bovine Serum Albumin	20 ml
80025	ibidi Freezing Medium HRM: for ES and iPS cells, with Human Serum Albumin, no animal components	20 ml
80026	ibidi Freezing Medium DMSO-Free: for sensitive cells, with Bovine Serum Albumin	20 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.

© ibidi GmbH, Am Klopferspitz 19, 82152 Martinsried, Germany.