

### Freeze Medium CM-1 - 50 ml | 800050

## Long-term storage

In biological research, the cryopreservation of mammalian cells is an invaluable tool. Successful preservation of cells is a top priority given that losing a cell line to contamination or improper storage conditions leads to lost time and money, ultimately delaying research results. Once the cells have been transferred from a cell growth medium to a freezing medium, the cells are typically frozen at a regulated rate and stored in liquid nitrogen vapor or at below -130°C in a mechanical deep freezer. The freeze medium CM-1 enables cryopreservation of cells at below -130°C (or in liquid nitrogen), essentially eliminating the need for an additional, costly ultralow freezer and eliminating time-consuming and demanding controlled rate freezing processes. Simply collect the cells, aspirate the growth medium, resuspend in CM-1, transfer to a cryovial, and store the vial at below -130 °C.

## Long shelf-life

CM-1 is a serum-containing, ready-to-use cryopreservation medium that can be stored in the refrigerator for up to one year.

## Trusted by hundreds of researchers

Our advanced cell freezing medium CM-1 is a market-leading product in Germany and Europe and is distinguished by numerous publications involving hundreds of different cell lines worldwide. We tested it with more than 1000 cell lines from our proprietary cell bank.

## Optimized ingredients

CM-1 does contain serum products. Serum-containing cryopreservation mediums optimally protect the cells whilst being frozen and have the advantage of high recovery rates. As CM-1 has been tested with a multitude of cell lines, you can rest assured that your cells always recover well.

- Contains FBS, DMSO, glucose, salts
- Buffering capacity pH = 7.2 to 7.6

## Applications & Validation

The cells preserved in our CM-1 freeze medium can be used for cell counting, viability and cryopreservation, cell culture, mammalian cell culture, gene expression analysis and genotyping, in vitro transcription, and polymerase chain reactions. Each batch's efficacy is evaluated using CHO-K1 cells. Each batch is tested for pH, osmolality, sterility, and endotoxins to ensure high quality.