

### Freeze medium CM-ACF - serum free - 100 ml | 806100

## 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-ACF 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-ACF, transfer to a cryovial, and store the vial at below -130 °C.

## Long shelf-life

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

## Trusted by hundreds of researchers

Our advanced, serum-free cell freezing medium CM-ACF 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 serum-free ingredients

CM-ACF does not contain serum products. Serum-containing cryopreservation mediums have the disadvantage of fluctuating recovery rates and unclear composition. Since the composition and concentration of proteins and other biological components vary from batch to batch in serum, the reproducibility of experiments with cells that were frozen in a serum-containing medium may be compromised. As each component of CM-ACF is carefully defined, you can rest assured that cells always recover identically.

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

## Universal - even for stem cell preservation

All common cell lines can be frozen and thawed to yield many viable cells. Compared to standard media, the rate of recovery of even the most delicate cells is significantly higher. Using CM-ACF, we store over 1000 different cell lines with outstanding success.

## Applications & Validation

The cells preserved in our CM-ACF 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.