



ECM0628N Euromed Freezing II

Description	Euromed Freezing II
Format	50 ml
Producer	Euroclone
Code Producer	

Cryopreservation is a procedure to stabilize cells at cryogenic temperatures for long term storage in liquid nitrogen. During the freezing process the usage of cryoprotective additives protects fragile membranes and organelles of the cells by minimizing the damage associated with ice crystal formation.

Composition

Euromed Freezing contains DMEM with FBS and DMSO.

Features

Ready to use solution

Contains cryoprotective agents to minimize dehydration effects

High viability of cells after thawing

Cryopreservation protocol

- Count the number of viable cells to be cryopreserved. Cells should be in mid-log phase of growth. Centrifuge the cells for 5 min to pellet cells (200 to 400 x g). Remove the supernatant down to the smallest volume without disturbing the cells.
- Resuspend cells in pre-cooled (4°C to 8°C) Euromed Freezing to a concentration of 1- 5 x 10⁶ cells/ml.
- Aliquot into cryogenic storage vials. Place vials at 4°C and start the freezing procedure within 5 min.
- Cells are frozen slowly at 1°C/min (by programmable coolers or by placing vials in an insulated box in a -70°C to -90°C freezer).
- Storage vials in the gas phase of liquid nitrogen.

Storage and Stability

Store at - 20°C

Once thawed store at 4-8°C , it is stable for 4 weeks



freez-thaw cycles are not recommended, prepare aliquots and refreeze.

For research use only

Euroclone S.p.A.