

## Cryo Preservation

## DMSO

**Description**

DMSO (Dimethylsulfoxide) is a colourless organic solvent which enters the cell and distributes inside the cell to prevent the formation of damaging ice crystals during the freezing procedure.

Dimethylsulfoxide (DMSO)	100 ml	P60-15840100
Dimethylsulfoxide (DMSO) for cell culture	100 ml	P60-36720100

## Freezing Medium

**Description**

Our freezing medium is recommended for the cryo-conservation of cells. The medium is based on DMEM, supplemented with a mix of fetal bovine serum and DMSO. This composition guarantees a high survival rate and excellent cell growth after thawing.

Freezing medium <sup>(1)</sup>	50 ml	P07-90050
--------------------------------	-------	-----------

## Cryopan

**Description**

Cryopan I is a serum-free freezing medium for the cryo-conservation of cells in a nitrogen storage tank or an ultra-low temperature freezer (< -150° C). It contains DMSO.

**Freezing procedure**

- Refrigerate freezing medium, culture medium and freezing tubes!
- Trypsinize cells, transfer the cells into the culture medium and centrifuge. Discard the supernatant and resuspend in culture medium
- Cell count should be adjusted to 1 - 5 x 10<sup>6</sup>/ml. The cells should be carefully resuspended to avoid clustering
- Spin down and resuspend the cells in an appropriate volume of cool freezing medium by pipetting only once or twice. Distribute 1 ml cell suspension per freezing tube
- To achieve a defined freezing rate of about 1° C per minute, manual freezing devices or computer-controlled freezing may be used

**Ideal freezing rate: decrease of 1° C per minute**

Cryopan I <sup>(3)</sup>	10 ml	P07-92010
	50 ml	P07-92050

(1) usually on stock, (2) minimum order 10 l, (3) available upon request

## Disinfectants

Barrycidal 36 spray bottle	50 ml	360050
Barrycidal 36 dispenser bottle	500 ml	360400
Barrycidal 36 spray bottle	1 l	361000
Barrycidal 36 can	5 l	365000
Barrycidal 36 can	10 l	360000
Barrycidal dispenser box	100 cloths	360101
Barrydin can	5 l	465000
Desipure can	10 l	660000
Spray head for 500 ml bottles		700500
Spray head for 1 l bottles		701000
Dosage pump for 500 ml bottles		710500
Wall-mounted dispenser for 500 ml bottles		
E24 (short handle)		720500
ELS24 (long handle)		720501
Dosage pump for cans		730010
Tap for cans		740010