



Innovative Life Science Solutions™

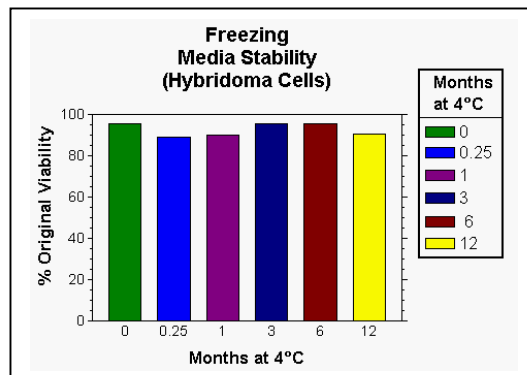
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Product Description ©2008

EZ-CPZ™ Cryopreservation Media

General Description

EZ-CPZ™ is a proprietary formulation of clinical grade components, cryoprotectant agents and DMSO. EZ-CPZ™ is a ready-to-use serum-free and protein-free freezing media that does not contain fetal bovine serum or other animal derived products. EZ-CPZ™ supports post-cryopreservation retention of high viability and subsequent growth capability for a variety of cells, including primary tumor and normal cells, blood cells, and hybridoma, CHO, and BHK cell lines. EZ-CPZ™ has been developed for clinical applications and for use with cells grown in serum-free media (such as INCELL's ACE™ medium) where cryopreservation methods and components need to meet "animal component free" standards. When used in the 1:1 mix protocol, its final dimethylsulfoxide (DMSO) concentration is 5% v/v.



General Use

Cells from adherent or suspension cultures are gently mixed 1:1 with EZ-CPZ™ at $\sim 10^6$ cells/ml or other preferred cell density. Tumor cells or blood cells freshly collected in media with or without autologous or heterologous plasma or serum with anticoagulant can also be mixed 1:1 with EZ-CPZ™. Alternatively, EZ-CPZ™ can be used as a standard 10% (v/v) DMSO cryopreservation medium to re-suspend cell concentrates or pellets. Cryovials containing cells are placed in a controlled rate freezing container and frozen at -80°C for at least 12 hours. Cryovials are transferred to a -135°C or liquid nitrogen freezer. Recovery of frozen cells is done rapidly by placing cryovials in a 37°C water bath for ~ 1 min until most of the medium has thawed. The cells are immediately placed in pre-warmed cell culture media. Cells are extremely fragile at this time and must be handled gently. Usually cells are centrifuged to remove the cryoprotectant media and gently re-suspended in growth media. However, some cells show a better recovery from cryopreservation if they are grown for a few hours or overnight before the medium is changed.

Manufacturing

EZ-CPZ™ is manufactured using cGMP standards in an ISO Class 7 clean room and ISO Class 5 biosafety cabinet. All components are endotoxin-tested and filtered through a 0.22 micron filter and checked for sterility (bacteria, fungi, mycoplasma). Each lot of EZ-CPZ™ is performance-tested for cell viability and growth effects. A Certificate of Analysis assures that each lot meets specifications for acceptance.

Storage of EZ-CPZ™

EZ-CPZ™ must be stored in a light-protective bag or other container at 4°C . Shelf-life is 12 months from the manufacture date.

Packaging

EZ-CPZ™ is packaged in 20ml (Cat # EZCZ-20) bottles or special order custom sizes ready for use.

Ordering Information

Either MasterCard or Visa or a purchase order may be used to purchase EZ-CPZ™ from:

INCELL Corporation, LLC
12734 Cimarron Path, San Antonio, TX 78249
Phone: 1-210-877-0100 Toll-free: 1-800-364-1765 Fax: 210-877-0200
www.incellonline.com

Technical Assistance

The scientists at INCELL are available to discuss the particular needs of your cells and to assist you in your cell culture applications. Call 1-800-364-1765 or e-mail info@incell.com.

Master Files Applications Note

EZ-CPZ™ is in FDA Drug and Device Master Files but has not been tested by INCELL for any specific diagnostic or therapeutic use. To request use of a Master File call, fax, or email to masterfiles@incell.com.