

CryoCare X™ BACTERIAL PRESERVERS w/o Beads KS70X

INTENDED USE

CryoCare is a method of preserving bacterial and other cultures for long periods avoiding freeze drying or daily culture transfers. CryoCare is a sterile vial containing TSB + glycerol with a hypertonic additive. .

PROCEDURE FOR PREPARATION

1. Remove the cap being careful not to contaminate the contents. (the GRIPPER helps with this) Inoculate the CryoCare vial with young (18-24 hours) colonial growth of a pure culture of the organism being preserved, to approximate a McFarland 3-4 standard, using a sterile loop. (optional method) Use a sterile pipette to harvest and emulsify the colonies into the CryoCare vial by using a squeezing action. Liquid cultures can be lightly centrifuged and the deposit used as above. 2. Cap the tube and mix gently. DO NOT VORTEX. 3. Record the culture details on the vial and store at minus 70°C. (see PRECAUTIONS, paragraph 3)

PROCEDURE FOR USE - RECOVERY

1. Remove the vial from the freezer. 2. Carefully open the vial and remove a small portion of the liquid, inoculating onto an appropriate growth medium.

STORAGE PRIOR TO USE

Unused CryoCare X may be stored at room temperature up to 28°C. Shelf life of frozen organisms is dependent upon freezer temperature and frequency of use and must be determined by each user by periodical testing. (see notation under PRECAUTIONS, paragraph 3.)

PRECAUTIONS AND LIMITATIONS

1. CryoCare provides a method of extending storage of microorganisms and is intended for laboratory use only. Aseptic procedures should be observed at all times to ensure the integrity of the organism and for safety of the microbiologist. Observe biohazard precautions when disposing of used vials. 2. When removing the organism, precautions should be taken to avoid thawing of the remaining liquid. If defrosted the organism may not be reusable. CRYOSAFE is available for

this purpose. Freezing the cryosafe and placing the vial into it while out of the freezer extends the life of the organism. The cryoblock may also be used for quick freezing fastidious organisms by keeping it frozen and placing the inoculated vial into it immediately upon setup.

3. Users have reported successful recovery up to 2 years from setup when storing at warmer temperatures (as warm as minus 10°C) although minus 70°C is the desired temperature. (see STORAGE)

4. CryoCare X should not be used if any of the following conditions are present:

a) turbidity in the vial before inoculation which indicates possible contamination. b) before use, any evidence of leakage (loss of cryopreservative).

6. CryoCare X is non-hazardous. Discard spills of uninoculated product as normal waste. Spills of inoculated product should be treated as biohazard material.

CryoCare™ is sold in boxes of 50 in reusable, autoclavable polypropylene containers as described below. Containers may also be purchased separately.

CryoSafe- KSC18847- 12 well cold box keeps vials frozen 1 ½ hours at -15°C when taken from -20°C freezer. May also be used for quick freezing on the counter.

KSEV265 - THE GRIPPER holds cap securely for removing and replacing without risking contamination of the contents of the vial.

REFERENCES

1. Medical Laboratory Sciences, 1985,42:289-290 2. Feltham et al, Journal Applied Bacteriology, 1978, 44:313-316 3. Nagel, Janice G. and Cunz, Applied Microbiology, 1971, 23:837-838 4. White & Sand RL, Medical Laboratory Sciences, 1985, 42:289-290 (UK) 5. Park, Choong H., Am. J. of Clin. Pathology, 1976, Vol. 66, 927-928. 9507k

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KEY SCIENTIFIC PRODUCTS
1113 E. REYNOLDS ST
STAMFORD, TEXAS 79553
800-843-1539
www.keyscientific.com

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