

## Preservation system for microbial strains.

**Cryopreserve Beads** is a unique strain preservation technique that harnesses the ability of microorganisms to survive at low temperatures in a broth supplemented with a cryoprotectant.

In addition, using porous beads as microorganism carriers results in a simple and safe method.

**Cryopreserve Beads** is a ready-to-use system for any microbiology lab such as:



PHARMACEUTICAL  
AND VETERINARIAN



CLINICAL



RESEARCH  
CENTERS (R&D)



FOOD



WATER AND  
BEVERAGES



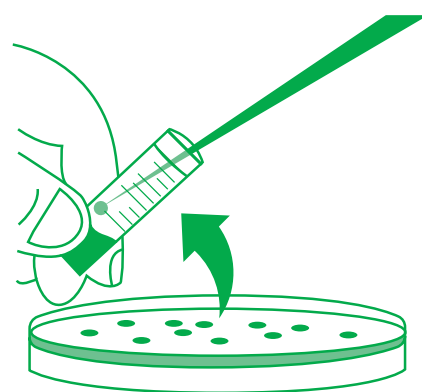
BIOTECHNOLOGY



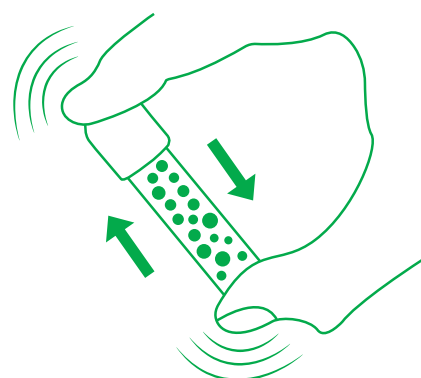
COLLEGES  
AND UNIVERSITIES

# Instructions for use.

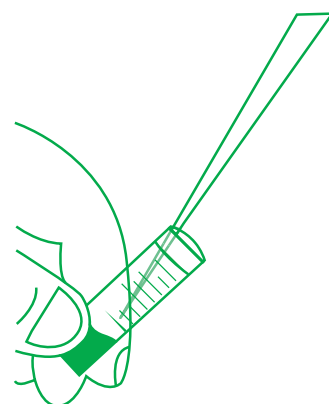
## Freezing



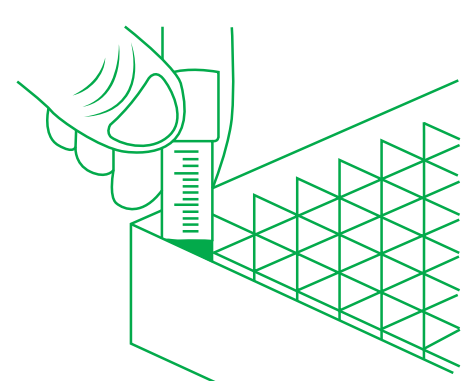
**01.** Under sterile conditions, inoculate a vial of Cryopreserve Beads with a pure culture, and with a density of 3 to 4 in the MacFarland turbidity standard.



**02.** After closing the vial, emulsify by manual inversion 4 to 5 times to distribute the microorganisms homogeneously in the beads.

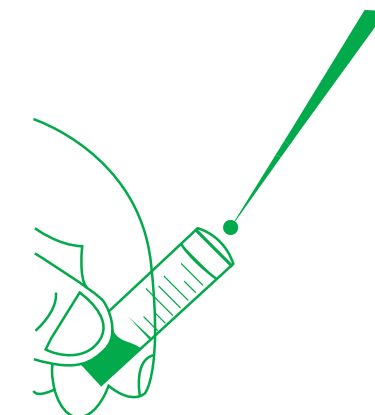


**03.** Remove as much liquid as possible from the vial with a sterile pipette, leaving only the beads in the vial.

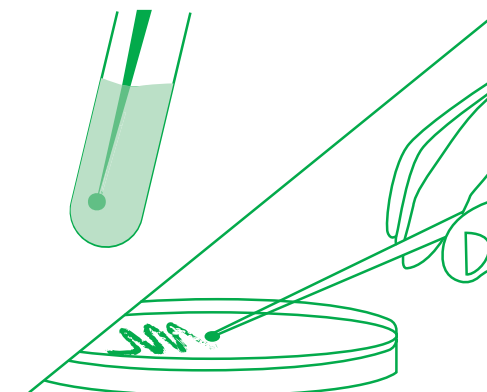


**04.** Keep the inoculated Cryopreserve Beads vial in freezing at  $-70^{\circ}\text{C}$  for best long-term results.

## Recovery



**05.** Under sterile conditions, remove the desired Cryopreserve Beads vial from the freezer. Using a sterile handle or forceps, remove a bead.



**06.** Cultivate the bead directly on a solid medium in a plate or on a liquid medium, ensuring that the entire surface of the bead is in contact with the medium.

**Cryopreserve Beads offers the safest method for long-term preservation and is easy to use:**

**Universal** and independent of the target microorganism

Eliminates microorganisms' **genetic variation**

**Sterility and recovery** monitoring per batch

Minimizes **cross-contamination**

## List of products.

CAT.	PRODUCT	FORMAT
6086	Cryopreserve Beads Mixed	50 cryotubes / box
6087	Cryopreserve Beads Red	50 cryotubes / box
6082	Cryopreserve Beads Blue	50 cryotubes / box
6083	Cryopreserve Beads Green	50 cryotubes / box
6084	Cryopreserve Beads Yellow	50 cryotubes / box
6085	Cryopreserve Beads Natural	50 cryotubes / box