

Cryogenic Storage Beads

Applicable to all beads, including:

NCM5000-80	Cryogenic Storage Beads Mixed Caps & Beads
NCM5001-80	Cryogenic Storage Beads Green Cap & Beads
NCM5002-80	Cryogenic Storage Beads Blue Cap & Beads
NCM5003-80	Cryogenic Storage Beads Red Cap & Beads
NCM5004-80	Cryogenic Storage Beads Yellow Cap & Beads
NCM5006-80	Cryogenic Storage Beads Anaerobe Orange Cap & Beads
NCM5007-80	Cryogenic Storage Beads Yeast & Molds Grey Cap & Beads

Intended Use

Cryogenic Storage Beads are for the long-term storage and retrieval of micro-organisms at low temperatures.

Description

Each tube contains 20 ceramic beads covered in a cryopreservative solution, providing 20 identical cultures. Each box contains 80 tubes with either a single-color option, or a mix of green, blue, yellow and red to aid categorization. The boxes conveniently stack in freezer racks and contains a reference grid on the lid for ease of locating vials.

Procedure

Storage of the organism

1. Label the vial with a suitable code for the organism using a permanent marker.
2. Under aseptic conditions, heavily inoculate the organism from a fresh, pure culture.
3. Replace cap.
4. Gently distribute the inoculated broth throughout the beads by inverting the tube 4-5 times. DO NOT VORTEX.
5. With a sterile pipette, decant the surplus preservative fluid.
6. Replace cap.
7. Store the inoculated tube in a suitable freezer.

Recovery of the organism

1. Under aseptic conditions, uncap the appropriate cryogenic tube and remove a single bead with sterile forceps or needle.
2. Drop the bead into a suitable recovery broth or streak across the surface of an appropriate solid medium before incubating accordingly.
3. Replace the cap on the cryogenic tube and replace the tube in the freezer as soon as possible.

Expiration

The recommended maximum storage time can vary according to organism.

Limitation of the Procedure

Aseptic technique must be used to avoid cross-contamination. Tubes must be replaced in the freezer as soon as possible after removing the required bead, ensuring the complete tube does not thaw. If freezer failure occurs, any stored beads must be re-evaluated as they may need to be discarded.

Storage

Tubes (as supplied): store at ambient (2-25°C) in the dark.

Tubes (inoculated): store at -20 to -80°C.