

Long Term Storage for non-Phytophthora Fungal and Bacterial Cultures

Xanthomonas

Storage: Fill a cryotube with 1mL sterile 50% glycerol. Using a sterile loop, pick up a colony from a plate and twirl colony into glycerol. Store on ice until all tubes are ready, then place in -80 freezer.

Alternate method: Add 500µl luria bertani broth to a cryotube. Using a sterile loop, pick up a colony from a plate and twirl colony into broth. Incubate at 25C for 24-48 hours. Add 500µl glycerol and invert several times to mix. Store on ice until all tubes are ready, then place in -80 freezer.

Revival: Thaw tube on ice. Using a sterile loop, dip into solution and streak onto either nutrient agar or luria-bertani agar. Incubate at 25C.

Alternaria

Storage: Grow culture on PDA. Place 5 plugs in a cryotube and add 1mL of 50% glycerol. Store on ice until all tubes are ready, then place in -80 freezer.

Revival: Thaw tube on ice. Aseptically remove plugs and place in potato dextrose broth at room temperature. Return any unused portion of the tube to -80.

Fusarium

Storage: Grow culture on ¼ PDA (5g agar, 7.6g PDA, 1L dH₂O). Place 5 plugs in a cryotube and add 1mL of 50% glycerol. Store on ice until all tubes are ready, then place in -80 freezer.

Revival: Thaw tube on ice. Aseptically remove plugs and place in potato dextrose broth at room temperature. Return any unused portion of the tube to -80.