

**PROTOCOL FOR DETERMINATION OF MATING TYPE OF
PHYTOPHTHORA (Erwin & Ribeiro, 1996)**

- Cut out mycelial discs of 3mm size from the margins of 72hr old cultures of unknown *Phytophthora* isolate and that of the known isolate (A1 or A2) using a sterile cork borer.
- Plate it on 1.5% Carrot agar medium or Ribeiro's synthetic medium (Ribeiro *et al.*, 1993) in a sterile 9 cm Petri dish at a distance of 30mm apart.
- Incubate the plates in dark at 21-24°C, for 21 days.
- Check the production of oospores by viewing under a microscope at every 7 days interval.
- The presence of oospores shows that the isolates are of opposite mating type.