Double Helix Brewing Consulting, LLC
Info@DHBrewingConsulting.com
DHBrewingConsulting.com

Propagation Instructions

Propagating Yeast from a Slant or Plate

1. Allow slant to warm up to room temperature (approximately 15-20 minutes).
2. Make your desired volume of extract media using DME (104g/L) and yeast nutrient. Boil for at least 20 minutes or sterilize in a pressure cooker (15 psi for 15 minutes) and cool to room temperature. You'll need at least 10mL now but if you plan on continuing to propagate it to a pitchable quantity you'll need more.
3. Place 10mL of extract media into a sanitized or sterilized jar and cover with a piece of sterile aluminum foil.
4. Clean your working area with sanitizer or 70% ethanol.
5. Light an alcohol lamp or Bunsen burner and work in the clean area created by the updraft.
6. Place the plate (media side up) or slant near the flame.
7. Sterilize your metal inoculation loop by running it the braded part through the flame until it glows red. Or un-wrap a disposable plastic inoculation loop.
8. If using a slant remove the cap and flame the opening. Touch the media to cool the loop then pick up a single healthy colony from either the plate or slant.
9. Swirl the loop in the 10mL of extract media and ensure the yeast has fallen off the loop.
10. Incubate at room temperature for 24-48 hours using a stir plate. If you don't have a stir plate, swirl the jar as much as possible in the 24-48 hour period – you may have to wait 48 hours until step 11.
11. Add the 10mL of yeast and extract media to 100mL of extract media (10 fold increase).
12. Repeat step 10 until you have reached your desired volume of yeast, note that the max increase for each step is 10 fold.

Propagating Bacteria from a Slant or Plate

1. Same as above just avoid the introduction of oxygen and try to keep the propagation around 90-110 ^{o}F.