

Culture Yeast

Yeast cultures should always be grown from a single colony picked from a freshly streaked selective plate. Incubate the plates at 30°C until yeast colonies reach ~2mm in diameter, this takes about 3 days. Use these colonies as your working stock.

Materials:

- Plate with yeast colonies
- SC selective medium

Protocol:

Pre-culture:

1. Add 5 ml SC medium to a culture tube
2. Inoculate with a yeast colony from the agar plate
3. Culture at 30°C, 250 RPM. For ~ 18 hours
4. Measure the OD₆₀₀. Continue when OD₆₀₀ is about 2 to 5.

Culture:

5. Prepare e.g. 500 ml SC medium in a 2.5 liter Erlenmeyer flask. Autoclave
6. Add the pre-culture to the fresh medium
7. Culture at 30°C, 250 RPM
8. Measure the OD₆₀₀ until the desired value is reached, then harvest by centrifuging