

YPD

- Yeast Extract Peptone Dextrose Medium
- Makes 1L

10 g yeast extract
20 g peptone
20 g agar (optional, for making plates or slants)

1. Dissolve the above in 900mL ddH₂O
2. Autoclave 20 minutes on liquid cycle
3. Add **100 mL of filter-sterilized 20% dextrose.**
4. Cool the solution to less than 60⁰C before adding blasticidin. *Note that blasticidin in only necessary for selection of Pichia transformants; once transformants are established, blasticidin can be omitted from expression studies.*
5. Store slants/plates at 4⁰C in the dark. Plates are stable for 2 weeks, unless they do not contain blasticidin, in which case they are stable indefinitely.

YPDS Agar

- Yeast Extract Peptone Dextrose medium with Sorbitol
- Makes 1L

10g yeast extract
182.2g sorbitol
20g peptone
20g agar

1. Dissolved the above in 900mL ddH₂O
2. Autoclave 20 minutes on liquid cycle
3. Add **100 mL of filter-sterilized 20% dextrose solution**
4. Cool to less than 60⁰C before adding blasticidin. Concentration of blasticidin required for selection varies depending on the strain, plasmid, etc. 300 ug/mL is the suggested concentration of blasticidin to use for selection, but this may depend on *Pichia* strain.
5. Store slants/plates at 4⁰C in the dark. Plates are stable for 2 weeks. (Obviously, if no antibiotic is included, plates are stable more or less indefinitely.)