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Lesson Outline

- Introduction
- Gene/ Allele Location and Symbols
- Gametes
- Yeast Lab
 - Gloves and Goggles
 - Saccharomyces cerevisiae*
 - Media Yeast Extract Dextrose (YED) and Yeast Extract Adenine Dextrose (YEAD)
 - Gametes- Haploid Cells: a1, a2, α (alpha)1, α (alpha) 2
 - Characteristics- Pigmentation
 - Predict Dominant Trait
 - Mating Grids
 - Gamete Incubation
 - Mating
 - Incubation
 - Diploid Cells
 - Characteristics- Pigmentation
 - Determine Dominant Trait
 - Specimen Disposal
- Media Preparation
 - Bottled YED and YEAD

* Procedure a modification based on WARD's *Saccharomyces cerevisiae* supplies and protocol.