

Introduction to Competent Cells ?Two main methods: Chemical Competence ( $\text{CaCl}_2$ ) and Electroporation. Provides preclinical data before moving to human trials. Dilute 1:100 into fresh LB broth .and incubate until  $\text{OD}_{600} = 0.4\text{--}0.6$ . Essential for genetic engineering applications. LB broth ???2