

13–2 Manipulating DNA

A. The Tools of Molecular Biology

1. DNA Extraction

Homogenization: Cell walls, membranes, and nuclear material are broken

Emulsification: Soap and enzymes break down membranes and emulsify lipids and proteins.

Precipitation: Alcohol is layered on top of the solution. DNA is not soluble in alcohol and precipitates either in the alcohol or at the interface between the alcohol and the rest of the mixture.

Collection: DNA can be pulled up from the interface or alcohol with a paper clip or glass rod.

Section 13 2 Manipulating Dna Answers

Yan Bai



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