

What is the point of Mol Biol

- Study of gene regulation
- Ability to isolate one gene from an organism for study.
 - Allows a link to be established with an observation

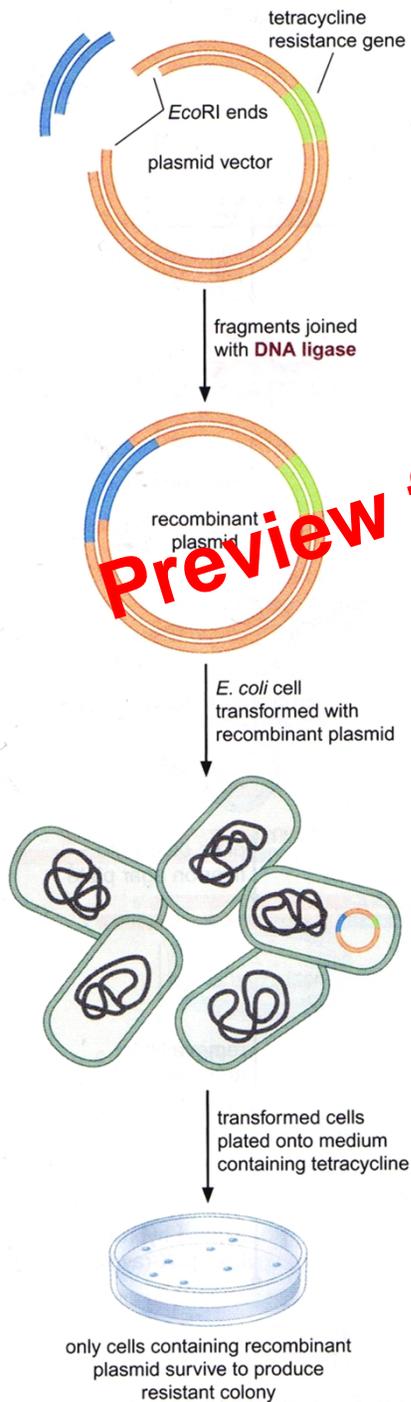
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Inducible promoter

- Lactose operon promoter
 - Tryptophan operon promoter
 - T7 viral promoter
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- Allow the experimenter to chemically ask the cells to express from the promoter
 - We will examine Lactose operon in later lecture

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Outline of gene cloning



- Isolate gene fragment
- Join it to vector
 - Called ligation
- Introduce it into *E. coli* cell
 - Called transformation
- Plate on media
- Select for clones

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