

ZOOA-CC5-12-TH

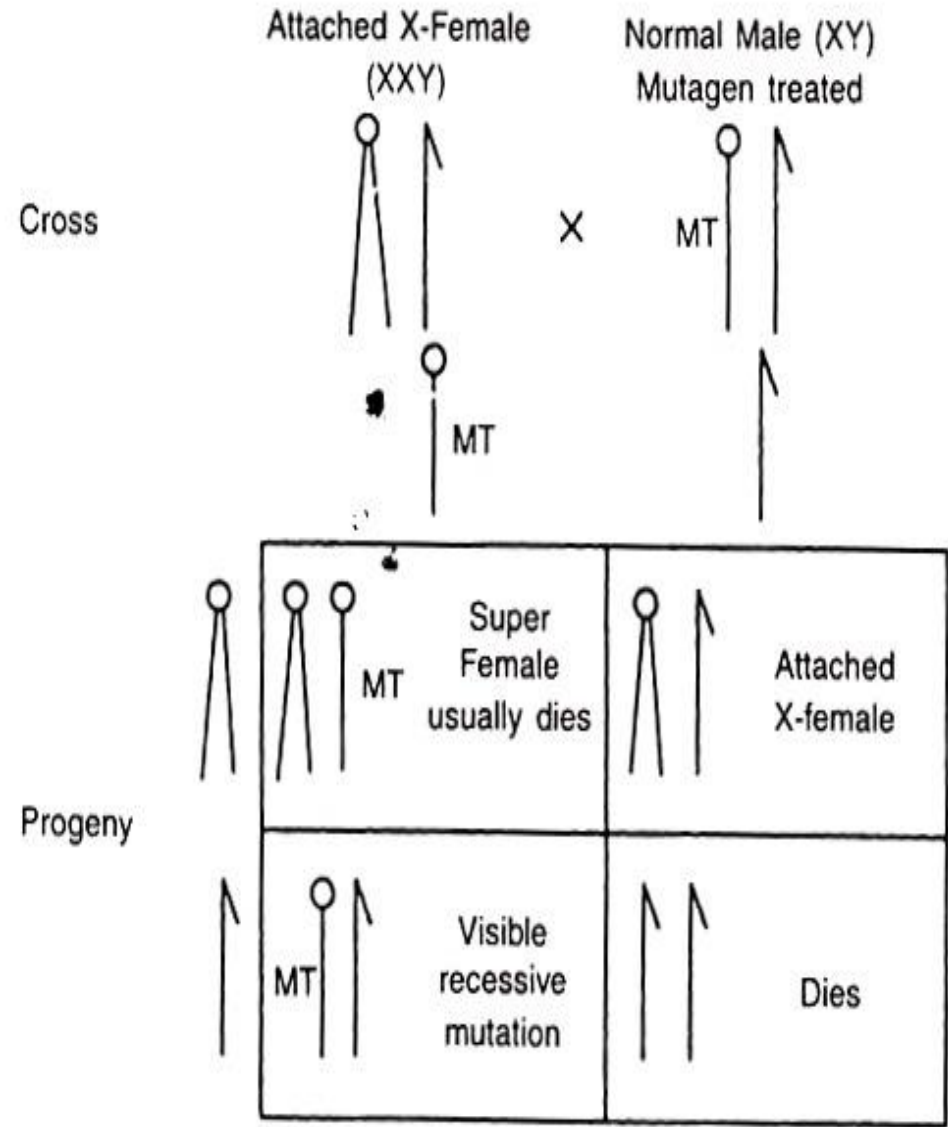
Unit 3: MUTATION

Topic: MUTATION DETECTION

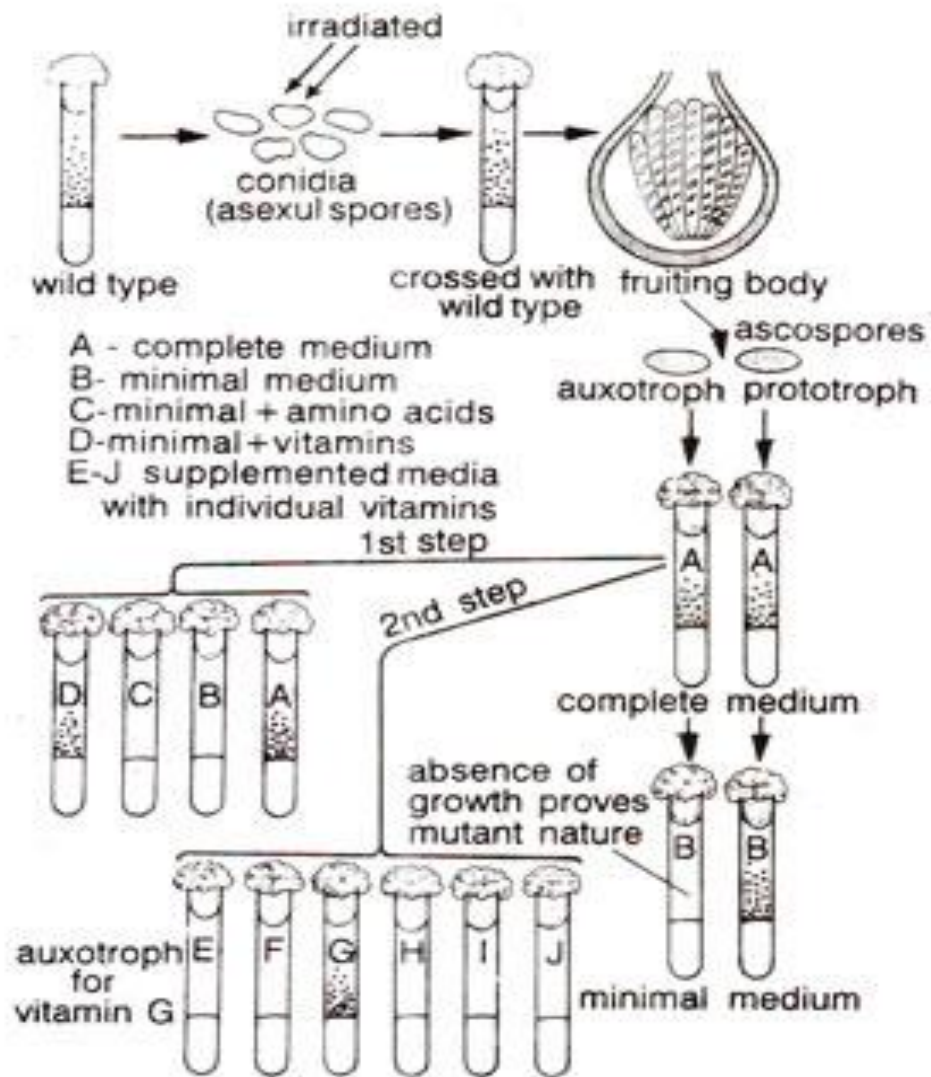
CONTENT

1. Mutation detection in *Drosophila* by attached X method
2. Biochemical mutation detection in *Neurospora*

Detection of Induced Visible Mutation in Drosophila



Detection of Biochemical Mutation in *Neurospora* (*Neurospora crassa*: Bread mold)



Prototroph: are the molds which can synthesize all nutrients (amino acid and vitamins). They grow on complete as well as minimal medium.

Auxotroph: are the molds which are deficient in one or more nutrients (amino acid and vitamins). They grow only on complete medium.

Complete medium: The medium of culture which contains all nutrients (amino acid and vitamins) and special salts.

Minimal medium: The medium of culture which contains sugar, some inorganic acids, a nitrogenous source and vitamin biotin. No nutrients are present in the medium.

