Biolab -> Treams formation.

The mooker tout we are using amp - ampicillin. Itina PET plasmid.

Now we add to 1. ml LB thun inculate at 37 Cfor 50 min . Why?

It produces the product that the plannid codes for z deving this time, gaining scesistance.

How does penicillin work ?

It prewents cell wall biosynthesis. How does it do that? The protein that links sugar and amino acids. binds to perialtin to produce peptido glycern binds

to penicillin. Ampicillin worknakin to this.

> B-lactam ring in that proxim

y binds to penicillin/ ampicillin.

In the plannid, Thuris ORF that codes for p-lactamare which cuts the sing and maker if not bind to

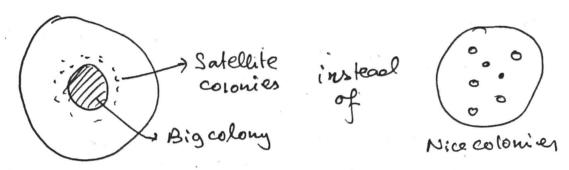
ampicillin We add 5 × 10 8 alls in competent phase, plasmid (5KB)

(Iam not going to do calculation) 16pis 600 Dalton. 5 Kb -> 3 x 115 100 100 1

in => 5×109 De Plannids.

This is in excess. compared to number of of cells.

If we come late to see persudish, we will see,



Because ofhor non-treamsformed bouteria. are alive just unable fogrow. When firm passes, the gener leak out and allow satellites to grove. We use 100 pg/ml ampivillin asit is above lethal dose.