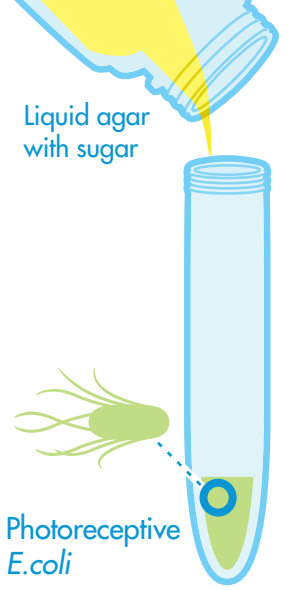


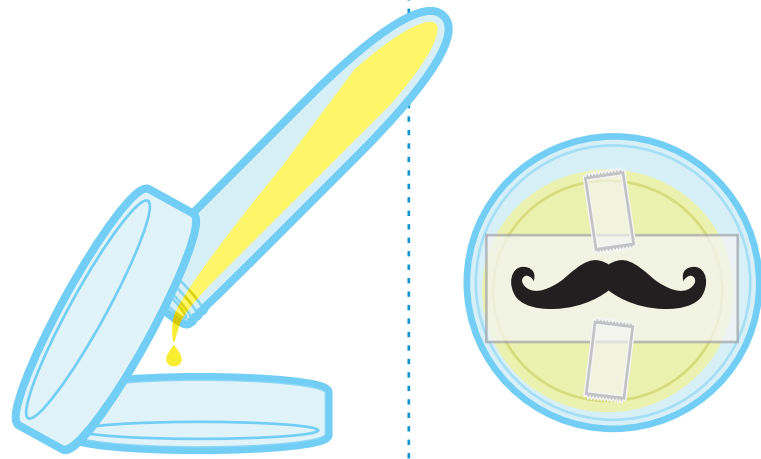


THE PREPARATION

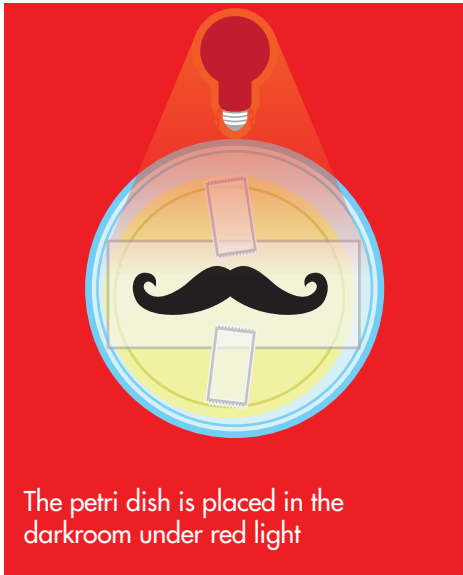


Liquid agar solidifies to create a evenly distributed lawn on which the *E. coli* chimera can grow

A transparent film with an opaque image is taped onto the top of the petri dish to obstruct the red light

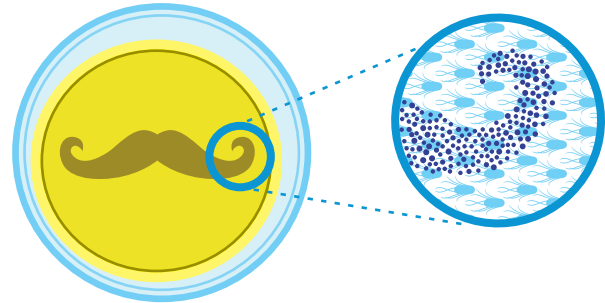


THE DARKROOM



THE *E. coli* PHOTOGRAPH

Bacteria that grew in the dark digested the sugar in the agar and produced a color precipitate



Bacteria that was exposed to red light and did not produce the sugar digesting enzyme

THE MICROORGANISMS

THE BIOCHEMISTRY: EnvZ - OmpR, 2 COMPONENT SYSTEM IN *E. coli*

PICTURE THIS

