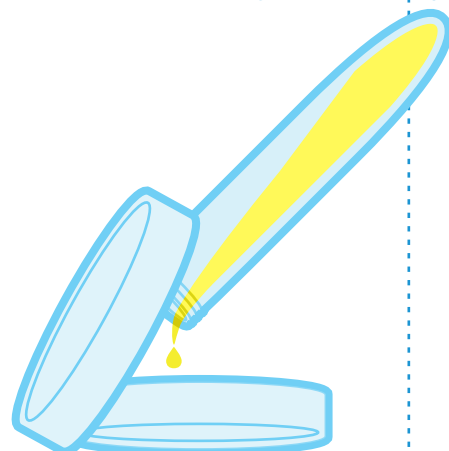


THE PREPARATION



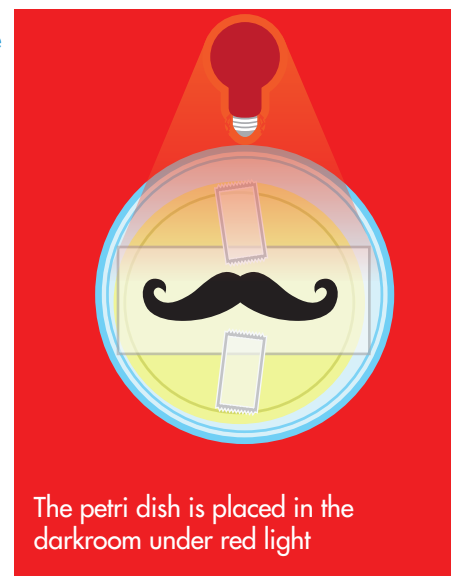
Liquid agar solidifies to create a evenly distributed lawn on which the E-coli chimera can grow



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



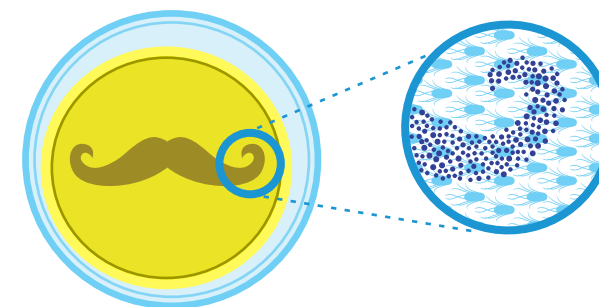
THE DARKROOM



The petri dish is placed in the darkroom under red light

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*

