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| **Across**  **3.** inverted tube in phenol red test  **4.** \_\_\_\_\_\_\_\_\_\_\_\_\_\_ dilution  **6.** Doubling time (with time)  **8.** Bacterial growth on a plate  **10.** Assay used to determine relative fitness  **13.** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ coli  **14.** Media used in the lab  **17.** Gram positive colour  **19.** Gram's counterstain  **20.** Used with microscope 100X objective | **Down**  **1.** Method used to sterilize inoculating loop.  **2.** Colour of spores in Schaeffer-Fulton stain  **5.** Operational \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ unit  **7.** Used to sterilize media  **9.** Generates isolated colonies  **11.** Kirby \_\_\_\_\_\_\_\_\_\_\_ diffusion assay  **12.** Add bacteria to fresh growth media.  **15.** Growth phase with exponential growth  **16.** Gelling agent added to growth media.  **18.** Method used to amplify DNA |