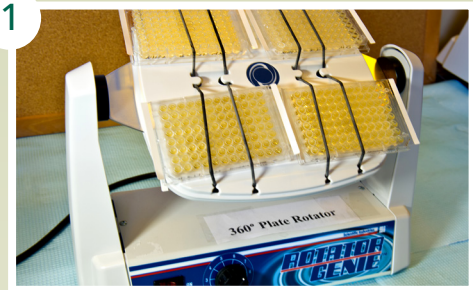
Folate Microbiologic Assay Training Poster

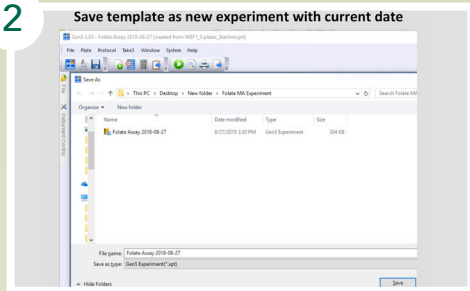
Part 7: Read Plates at 590 nm

1



After 42 hours of incubation, remove plates from the incubator and place them into a 360 degree orbital mixer for 30 min. During this time the plates cool down to room temperature and mix thoroughly.

2

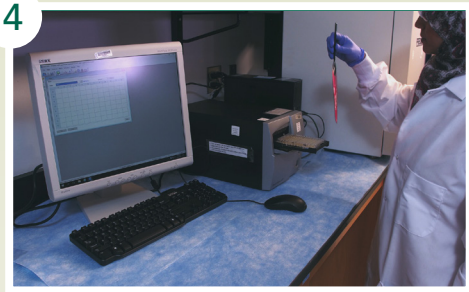


Turn on microplate reader 30 min before use and open corresponding experiment created two days ago.

3

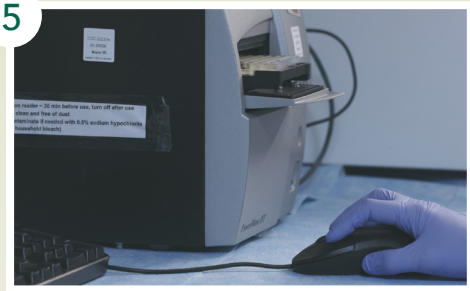
Remove one plate at a time. Strictly control the time from stopping mixing to reading the plate to 1, maximum 1.5 minutes. Make sure that you treat all plates the same (±10 sec).

4



During this minute, wipe the plate bottom to remove any particles or dust, open the sealing membrane carefully to prevent liquid spilling, and place the plate into the plate reader. Gently fan the air above the plate to remove micro-bubbles.

5



Read the plate at 590 nm. After reading each plate, save results.

6

Review the calibrator plate and the sample plates for contamination, leaking, dark color, or abnormal volume. If confirmed as random occurrences, mask the wells.

Centers for Disease Control and Prevention
National Center for Environmental Health

Division of Laboratory Sciences
www.cdc.gov/nceh/dls/nbb.html

CDC Foundation | Nutrition International | Bill & Melinda Gates Foundation

CS299059-B