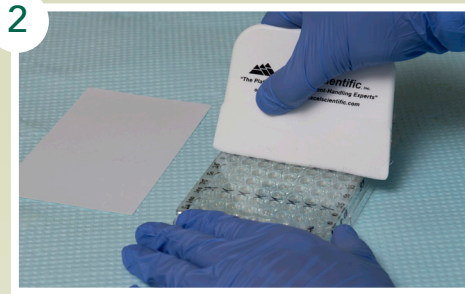




Pre-set the heat sealer to 130°C.

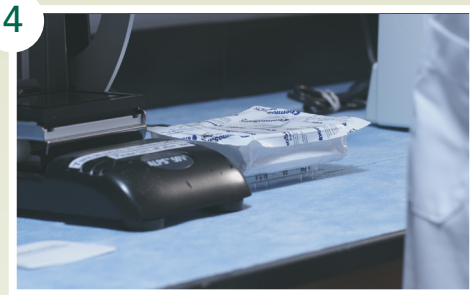
Note: if a heat sealer is not available, review steps in the training manual for manual sealing.



Use a flat object to press the sealing membrane down to remove any air.



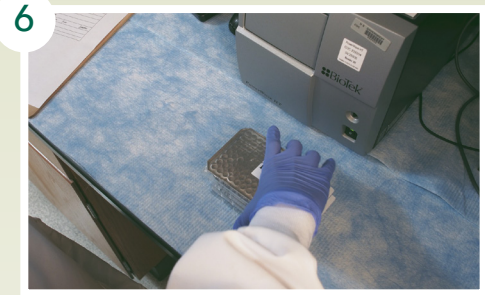
Once the temperature is stable, place a piece of aluminum foil on top of the sealing membrane. Place the plate on the holder and apply heat for 5 sec.



Remove the aluminum foil and immediately place an ice pack on top of the plate for a few seconds to cool down the membrane.



Apply additional manual sealing to prevent leakage and improve precision. Use a flat object to press the sealing membrane down and to carefully seal all edges and corners.



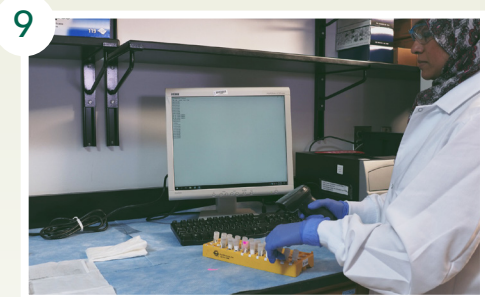
Once properly sealed, the plates are ready for incubation. Stack the plates and sandwich them in between two empty plates.



Make sure the temperature in the incubator is within $\pm 2^\circ\text{C}$ of 37°C and that the fan works to distribute the heat evenly. Place the plates in the center of the incubator. Keep the plates incubated for approximately 42 hours.



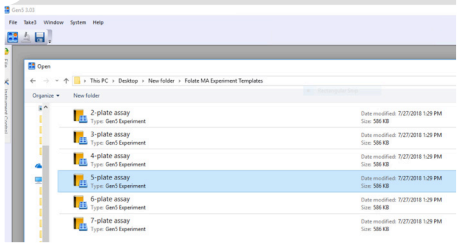
Remember to time the start and end of this process carefully so you aren't forced to remove the plates in the middle of the night. Note incubation time on the run sheet.



Scan the sample ID's for the unknown samples into Notepad in the same sequence as they were diluted. Return the sample vials to the freezer.

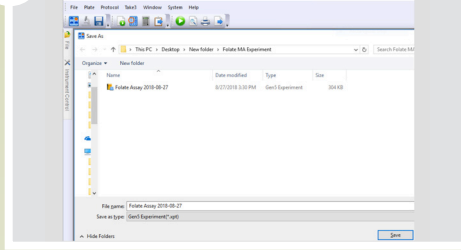


10 Open experiment template for 5-plate assay



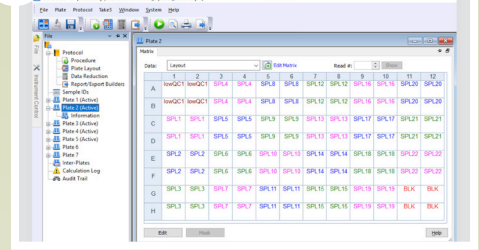
In your microplate reader software, open the experiment template that corresponds to the number of plates in your run.

11 Save template as new experiment with current date



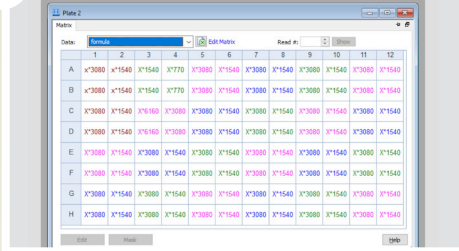
Save the experiment template with a new name, such as today's date.

12 Plate layout for sample plate



Check the layout for the calibrator plate and for the sample plates and make changes as necessary.

13 Plate layout with different sample dilution factors



Upload your sample ID file from Notepad into this newly created experiment. Make sure correct dilution factors are indicated; edit the dilution factors if irregular dilutions are used.

14



Conduct clean-up and disposal as shown in poster part 8 and as required by your local safety regulations.