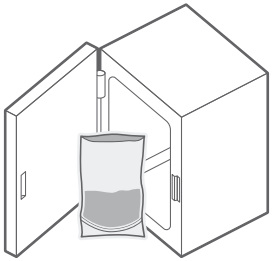
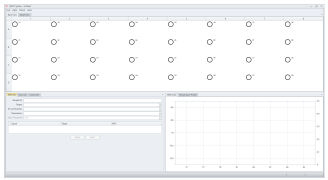
BAX® System X5

Ready Reference for X5 PCR Assays

Enrich samples. (See User Guide)



1. Create rack file with data on each sample.



2. Prepare the Automated Thermal Block.

Load Samples GmNeg

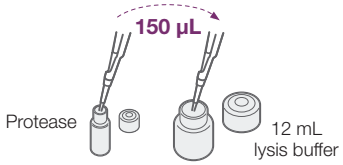
For *E. coli* and *Salmonella* assays

Load Samples RTLis

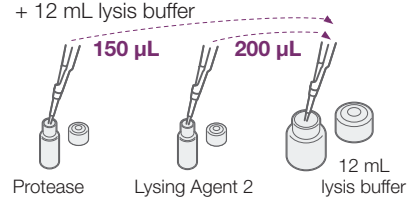
For Genus *Listeria* and *L. monocytogenes* assays

3. Prepare BAX® System Lysis Reagent.

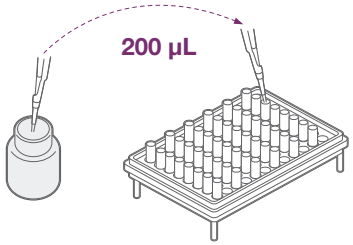
For *E. coli* O157:H7 and *Salmonella*
150 µL Protease +
12 mL lysis buffer



For Genus *Listeria* and *L. monocytogenes*
150 µL Protease + 200 µL Lysing Agent 2
+ 12 mL lysis buffer

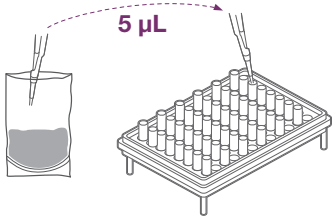


4. Dispense lysis reagent into cluster tubes



5. Transfer 5 µL* enriched samples to cluster tubes.

*20 µL for *E. coli* O157:H7 samples enriched with BAX® System MP Media



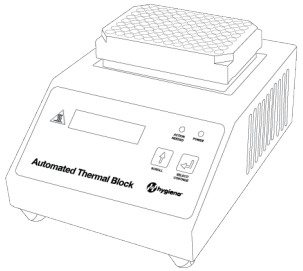
For regrown samples, use multi-channel pipettor

6. Perform Sample Lysis*

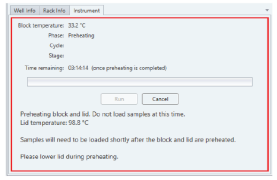
Place cluster tubes on the Hygiena™ Automated Thermal Block

- Press the SELECT/CONTINUE button
- Lysis is complete when the Hygiena™ Automated Thermal Block beeps and displays the message “Sample PCR Ready”

* Sample Lysis (Step 5) can also be performed using analog heat blocks. See the BAX® System X5 User Guide for details and instructions.

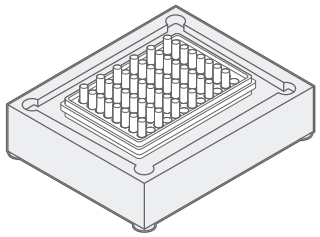


6. Initialize Instrument

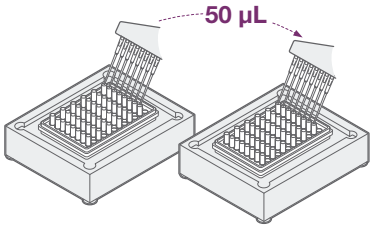


In the Instrument tab, click the RUN button. You must load samples within 20 minutes of clicking the RUN button.

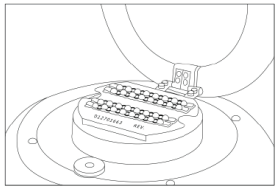
8. Arrange PCR tubes in cooling block using sample carrier.



9. Hydrate PCR tablets with 50 µL lysate from step 5.*



10. Open the BAX System X5 Instrument lid. Insert PCR tubes in a symmetrical, balanced layout. Close lid; run begins automatically.



Ensure PCR tubes are clean with no air bubbles

11. Unload samples and review results on screen. See User Guide for details.

- Negative
- Positive
- Indeterminate
- Signal error