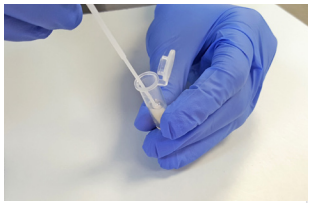
APPLIED FOOD DIAGNOSTICS

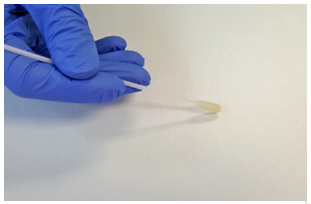
Visual Quick Reference

For MEMP qPCR Assays

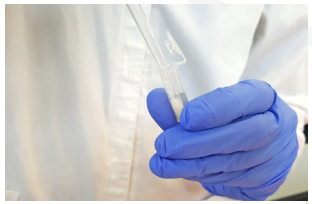
Swab Environment



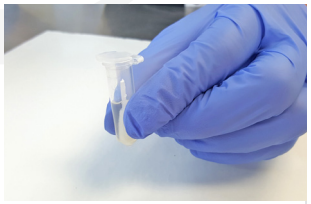
1 Hydrate Swab with Neutralizing and Recovery Broth (NRB).



2 Swab 1" x 1" area of surface in both horizontal and vertical directions.



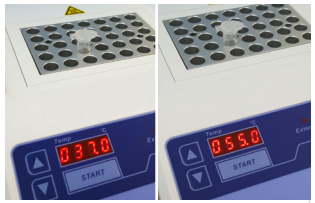
3 Express swab in Swab Collection Tube with Swab Expression Solution.



4 Break off swab tip at 30 mm break point.

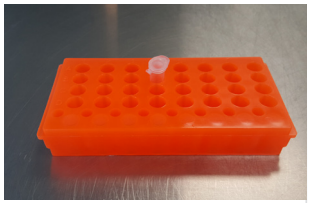
Lyse Sample

1 Pipette 500 µL of expressed sample into lysis tube. Reserve swab.

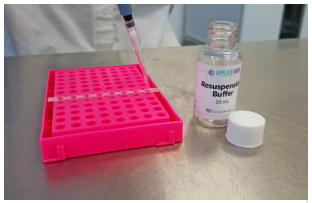


2 Heat the lysis tube to 37°C ± 2°C for *Salmonella* and 55°C ± 2°C for *Listeria* 15 minutes.

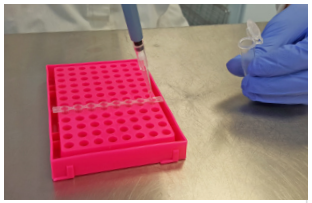
3 Then heat the lysis tube to 95°C ± 3°C for 10 minutes.



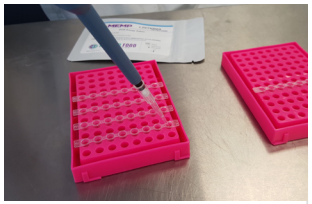
4 Cool to room temperature for 5 minutes.



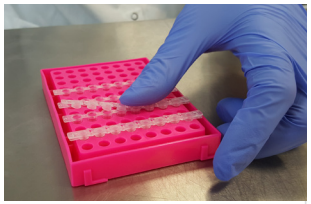
5 Add 180 µL of resuspension buffer to empty resuspension strips.



6 Pipette 20 µL of lysed sample into the resuspension buffer.

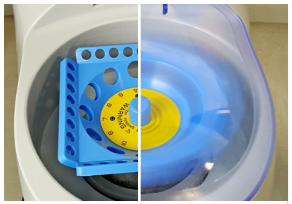


7 Pipette 20 µL of the lysate resuspension into the PCR strips.

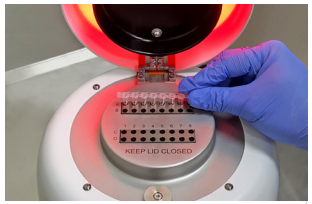


8 Press lids tightly closed on PCR strips.

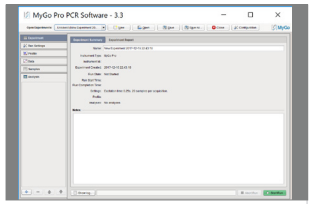
9 Flick tubes to remove any air bubbles.



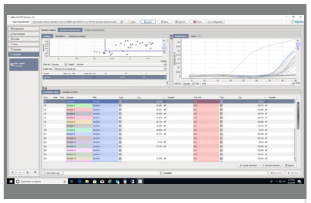
10 Briefly spin down reaction tubes.



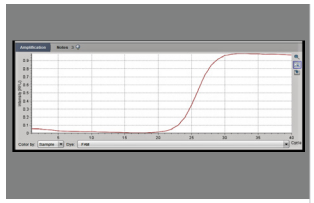
11 Load PCR strips into the instrument.



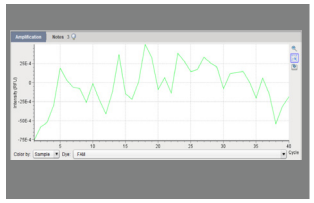
12 Set up the PCR experiment file (refer to the PCR Set Up Guide). Start run.



13 Review and interpret results.



14 Positive result



15 Negative result