

SAMPLE & LREB ENRICHMENT



**Environmental
Sponge**
90 mL ± 10 mL



Frankfurter
125 g
1 L ± 50 mL



**Soft Fresh
Cheese**
25 g
225 mL ± 15 mL



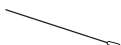
Chicken Salad
25 g
225 mL ± 15 mL



Cooked Eggs
25 g
225 mL ± 15 mL



Pasteurized Milk
25 g
225 mL ± 15 mL



**Environmental
Swab**
9 mL ± 1 mL



**AFD MEMP
Reserve Swab**
9 mL ± 1 mL



**RTE Sliced
Turkey**
125 g
1 L ± 50 mL



Ice Cream
25 g
225 mL ± 15 mL



**Frozen/Cooked
Shrimp**
25 g
225 mL ± 15 mL

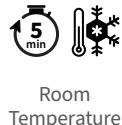


Incubate for 30-36 hours
at 30°C ± 1°C

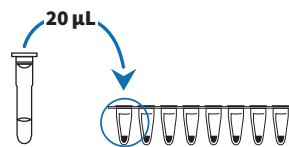
SAMPLE LYSIS

5 µL
Sample

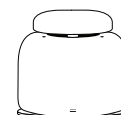
400 µL
Lysis Buffer



SET-UP SIMUL-QPCR ASSAY



Place strips in PCR and run



REVIEW SIMUL-QPCR ASSAY

Results within 1 hour

Negative



**Positive:
C_q FAM Channel**



**Positive:
C_q 560 Channel**



AOAC PTM WORKFLOW CONCLUSION

WORKFLOW	RESULTS		TARGET INTERPRETATION	
	SIMUL-qPCR ASSAY <i>Listeria</i> spp.	SIMUL-qPCR ASSAY <i>Listeria monocytogenes</i>	<i>Listeria</i> spp.	<i>Listeria monocytogenes</i>
<i>Listeria</i> spp. PCR Screen	No C _q	NDC ¹	Negative	
	C _q	NDC ¹	Positive	
<i>Listeria monocytogenes</i> PCR Screen	NDC ¹	No C _q		Negative
	NDC ¹	C _q		Positive
<i>Listeria</i> spp. / <i>monocytogenes</i> PCR Screen	No C _q	No C _q	Negative	Negative
	C _q	No C _q	Positive	Negative
	C _q	C _q	Positive	Positive

C_q = C_q with typical amplification / sigmoidal curve
1 – NDC (No data collected), Target not selected during PCR setup, analysis not performed