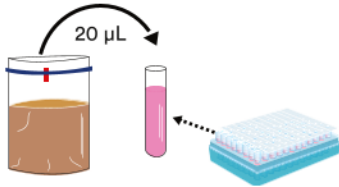


# Protocol Reference Guide

## Neogen<sup>®</sup> Molecular Detection Assays 2



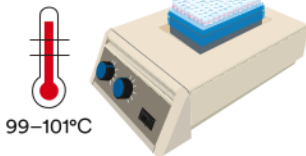
**1** Invert the capped Lysis Solution (LS) tubes to mix.



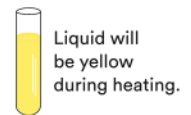
**2** Transfer 20 µL sample to individual LS tube.  
*If lysate will be retained for re-test, place caps into a clean container for later use.*



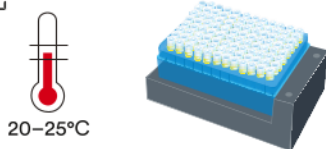
00:15:00



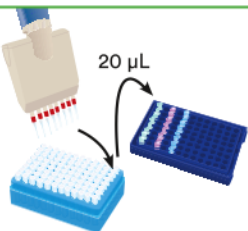
**3** Heat uncovered LS tube rack on heating block at 100°C (±1°C) for 15 minutes.  
*Do not re-cover the LS tube rack.*



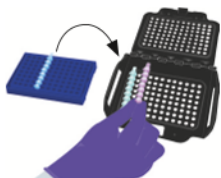
00:05:00



**4** Cool LS tube rack without lid on chill block at room temperature (20–25°C) for 5 minutes.  
*Do not freeze the chill block nor use the tray.*



**5** Transfer 20 µL sample to individual reagent tube.  
Pipet up and down 5 times to mix.



**6** Transfer closed tubes to speed loader tray.



**7** Start the run using the software. Place speed loader tray into instrument and close the lid.  
*If lysate will be retained for re-test, wash hands, re-glove and then re-cap the LS tubes after this step. Store capped LS tubes at 4–8°C.*

00:75:00



**8** Presumptive positive results as early as 15 minutes.  
Negative results at 60–75 minutes.  
*Salmonella, E. coli O157 (including H7), Cronobacter, Campylobacter, STEC Gene Screen (stx) and STEC Gene Screen (stx and eae) at 60 minutes. Listeria and Listeria monocytogenes at 75 minutes.*