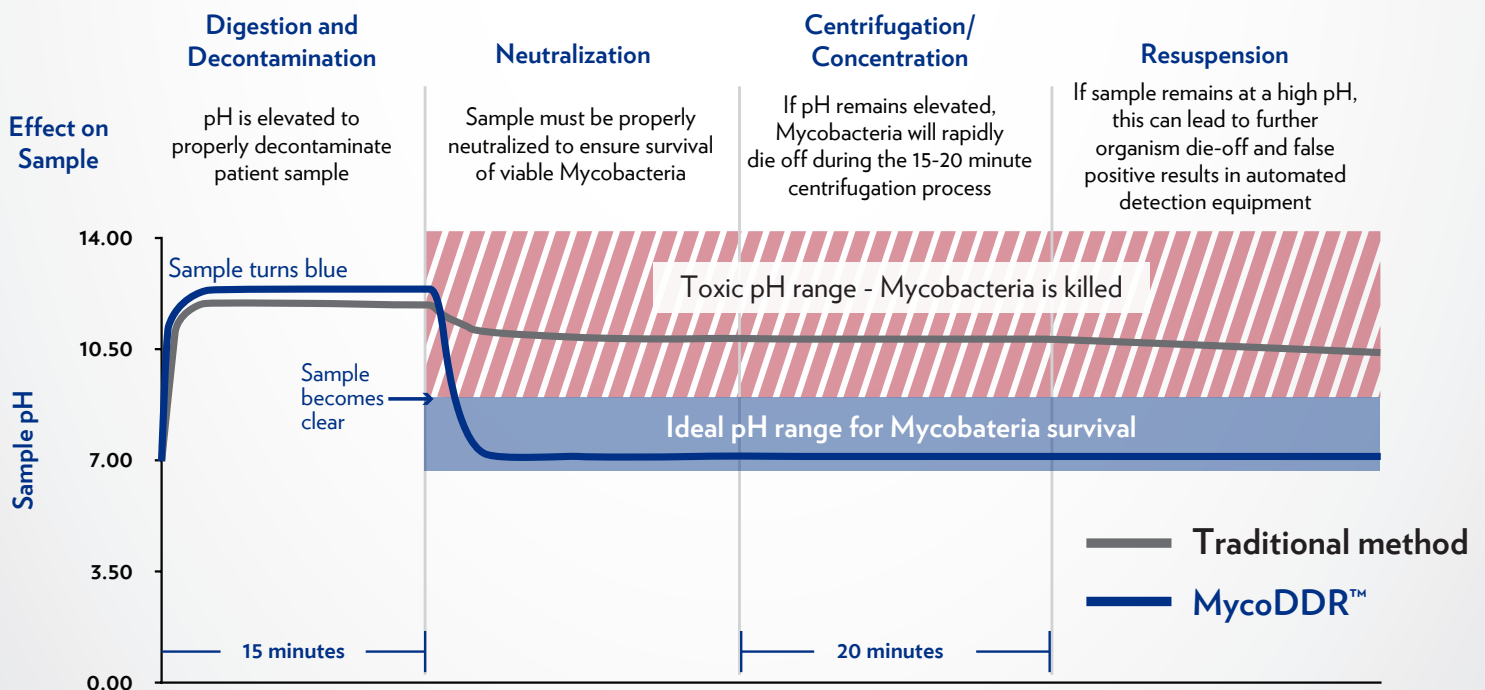


Rigid pH Control leads to greater retention of viable Mycobacteria

- Smears are easier to interpret
- Culture results are obtained faster
- Less specimens need to be reprocessed

Reduce Risk of Cross-Contamination • Less Tech Variability
Easy to Process Specimens Containing Blood • Decrease Sample Splitting Workload

The Importance of Rigid pH Control



Redefining AFB processing is as easy as ABC

NaOH/NALC Reagent A

The NaOH/NALC Reagent A uses an integrated blue, color changing, pH indicator, which enables labs to maintain rigid pH control throughout the entire digestion/decontamination process. Unlike other commercial reagents the NaOH/NALC Reagent A is available in varying concentrations, offering a unique solution for every laboratory. It also maintains stability for 72 hours after the NALC is mixed with the NaOH solution.

Neutralization Buffer B

Following the 15 minute decontamination process it is critical to return the sample to a neutral pH to ensure the maximum recovery of viable Mycobacteria. If the solution is not properly neutralized, the pH will remain at a level that will continue to kill Mycobacteria.

A major shortcoming with common digestion/decontamination methods is that the standard neutralizing agent, m/15 Phosphate Buffer, is incapable of reducing a sample's pH to the optimum level for Mycobacteria survival. Samples neutralized with phosphate buffer will generally remain at a pH of around 10-12, and viable Mycobacteria will continue to be rapidly killed off during the 15-20 minute centrifugation.

The MycoDDR™ Neutralization Buffer B has an extremely high buffering capacity, allowing it to rapidly neutralize solutions to the optimal range for Mycobacteria survival. Proper neutralization of samples is confirmed via a visual color change. When the sample changes from blue to clear, it is at the correct pH. This ensures maximum recovery of viable Mycobacteria, leading to quicker detection in automated equipment, and reduced risk of missing positive patients.

Resuspension Buffer C

In order to obtain optimal results with downstream testing, it is essential to obtain a uniform sample pellet within the appropriate pH range. The MycoDDR™ Resuspension Buffer C enables labs to obtain a clean, uniform pellet at a pH between 6.8-7.2, which ensures the sample will be accepted in the sensitive environment for all rapid automated growth detection instruments.

Rigid pH Control is EASY with MycoDDR™

NaOH/NALC Reagent A

Turns sample blue



Neutralization Buffer B

Solution turns clear at optimal pH range
NO MEASURING NECESSARY



Properly Neutralized

Ensuring maximum recovery of viable mycobacteria

