Thermo Scientific SureTect Staphylococcus aureus PCR Assay

INTRODUCTION

*Staphylococcus aureus* and its associated enterotoxins have been linked to food illness connected with powdered infant formula worldwide. It is a misconception that powdered infant formula products are sterile and so a robust screening method is required to ensure presence of *S. aureus* in infant formula is eliminated to prevent contaminated product reaching a consumer.

The Thermo Scientific™ SureTect™ Staphylococcus aureus PCR Assay detects *Staphylococcus aureus* from food, including powdered infant formula, and environmental samples.

KIT FORMAT

The SureTect *S. aureus* PCR Assays utilizes a PCR reaction for detection of *S. aureus*.

Results are automatically analysed and interpreted by the Thermo Scientific™ RapidFinder™ Analysis software.

WORKFLOW

Matrix Selection → Enrichment → Lysis → PCR

CONFIRMATION TECHNIQUES

Samples that returned a positive PCR result are confirmed with a direct streak of the enrichment broth onto selective plating medium, Baird-Parker Agar or Brilliance Staph 24 Agar, followed by species confirmation of presumptive-positive colonies.

VALUE ADDED

- Rapid Time to Result
  - The workflow of 22 hours enrichment allows for on-screen results in as little as 24 hours

INSTRUMENTATION

- QuantStudio 5 Food Safety System
- Applied Biosystems™ SimpliAmp Thermal Cycler
- Laptop with RapidFinder Analysis software
- SureTect PCR Assays

TRADEMARKS/LICENSING

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