

Three *Salmonella* targets— one rapid PCR test

Thermo Scientific RapidFinder *Salmonella* species,
Typhimurium and Enteritidis Multiplex Kit

Actionable answers for three *Salmonella* targets

Thermo Scientific™ RapidFinder™ *Salmonella* Multiplex PCR Kit

- Designed as a tool specifically for *Salmonella* control programs in pork and poultry production
- First validated multiplex PCR assay for simultaneous detection of *Salmonella* species and *Salmonella* serovars; Typhimurium and Enteritidis
- Combined *Salmonella* species and serovar results from a single well in as little as 16 hours
- Streamlines testing workflow and reduces waiting time for product release or intervention



Save time and boost efficiency without losing confidence

The RapidFinder *Salmonella* Multiplex PCR Kit addresses the process challenges of the pork and poultry production industry by offering a simple, all-in-one solution for *Salmonella* identification.



Speed: Detect and identify *Salmonella* species, Typhimurium, and Enteritidis in under 16 hours



Simplicity: Simple sample preparation step provides scalability to higher-throughput and sample volumes



Accuracy: Applied Biosystems™ TaqMan™-based qPCR technology for sensitivity, specificity and reliability

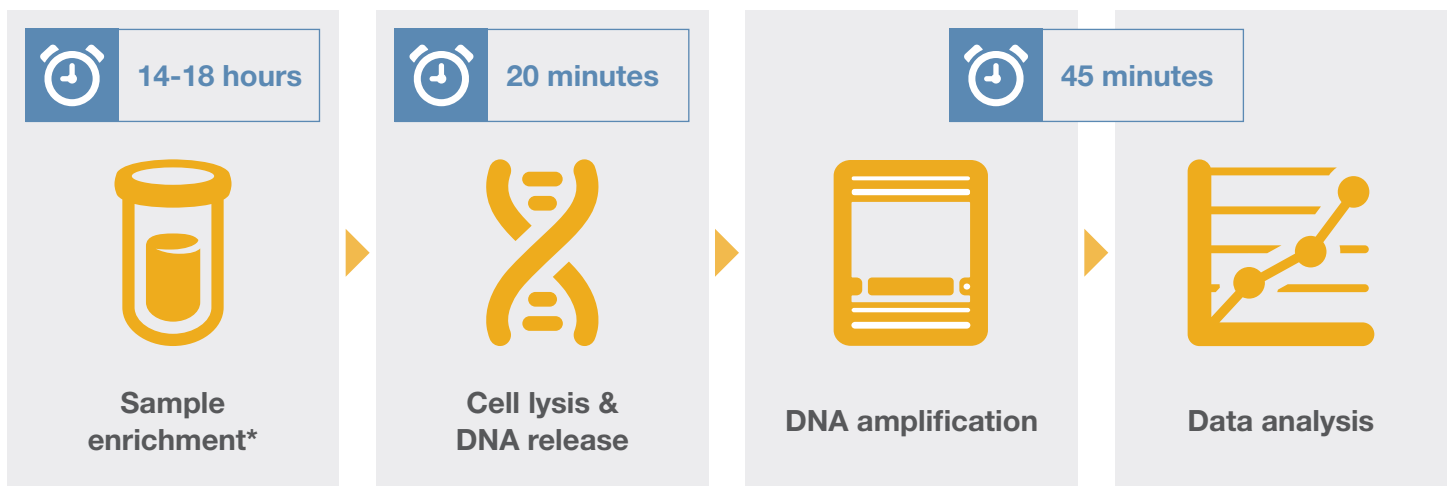


Figure 1. The RapidFinder *Salmonella* Multiplex PCR System offers a simple workflow with flexible and adaptable sample testing options.

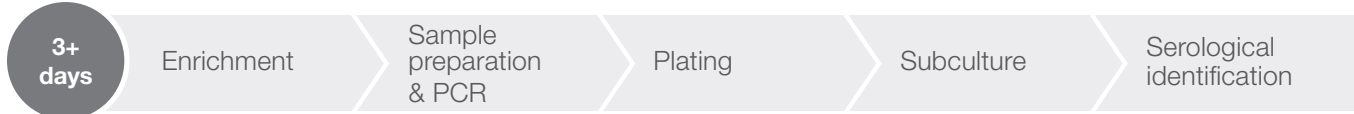
*Sample enrichment for raw and cooked poultry and pork products and production environment samples according to the AOAC-RI PTM certified protocol: 25g in 225ml BPW (ISO Formulation) + 12mg/ml novobiocin 41.5°C +/-1°C for 14-18 hours.

A faster path to actionable answers

RapidFinder Salmonella Multiplex PCR Kit method



FSIS-MLG PCR-based method



FSIS-MLG culture-based method

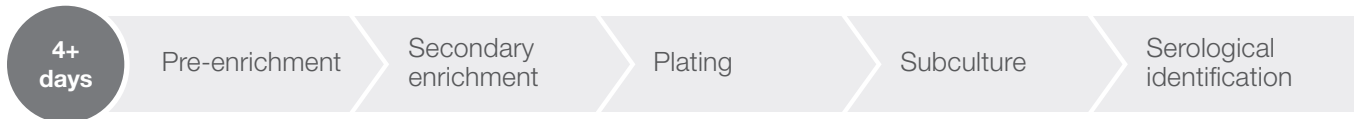
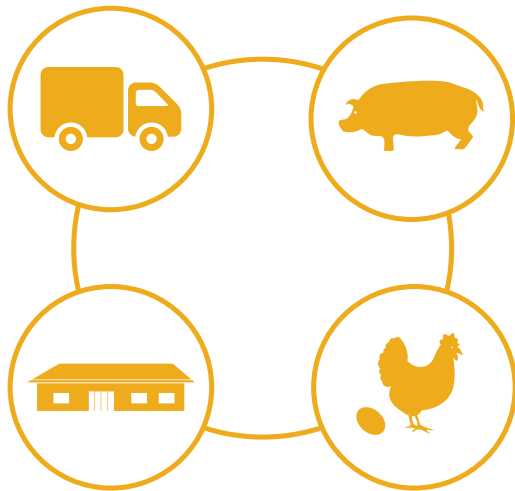
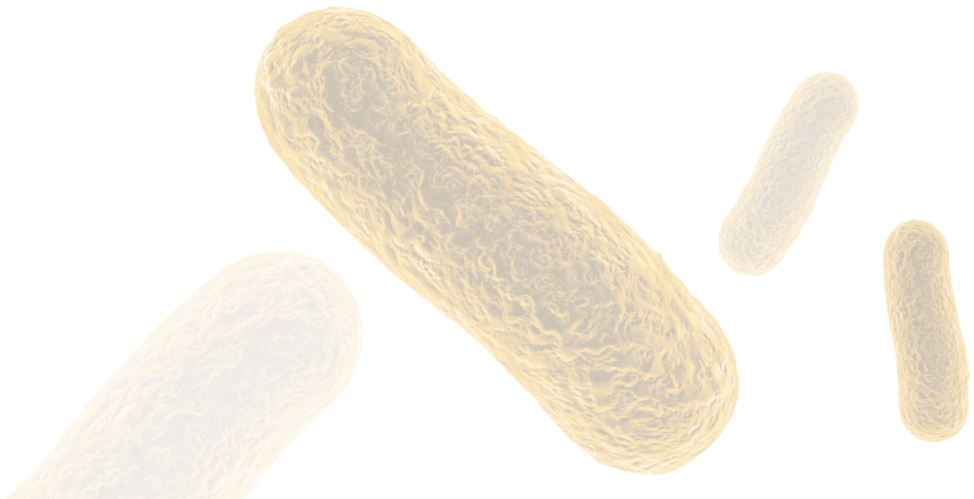


Figure 2. Comparison of the minimum time taken to achieve identification of *Salmonella* Typhimurium and *Salmonella* Enteritidis using the RapidFinder Salmonella Multiplex PCR Kit method and the FSIS-MLG culture- and PCR-based methods (FSIS-MLG 4.09: Isolation and Identification of Salmonella from Meat, Poultry, Pasteurized Egg and Siluriformes (Fish) Products and Carcass and Environmental sponges).

Globally accredited, multiplex PCR assay



From animal rearing to distribution, the food industry is regulated differently at each stage. The RapidFinder Salmonella Multiplex PCR Kit is the first validated multiplex PCR assay for simultaneous detection of *Salmonella* species, Typhimurium, and Enteritidis. Our validation plan addresses all stages of the poultry and pork production process.



Platform choice to suit your needs

The RapidFinder Salmonella Multiplex PCR Kit is part of a broad range of Real-Time PCR tests dedicated to food safety. Our kits are validated with our world-class Applied Biosystems™ 7500 Fast Food Safety Real-Time PCR System and Applied Biosystems™ QuantStudio™ 5 Food Safety Real-Time PCR System.



7500 Fast Food Safety Real-Time PCR System

- Enables testing for a broad range of food safety parameters including other pathogens
- Equipped with Applied Biosystems™ RapidFinder™ Express v2.0 Software for all validated workflows



QuantStudio 5 Food Safety Real-Time PCR System

- Specifically for RapidFinder Salmonella Multiplex PCR Kit
- Equipped with Thermo Scientific™ RapidFinder™ Analysis v1.0 Software

Your *Salmonella* control program partner

Whether you are testing in-house, or are a contract testing laboratory, our team of microbiology experts is ready to provide the technical expertise and best-in-class support that you need to power up your *Salmonella* screening.

Product	Format	Order Code
RapidFinder Salmonella species, Typhimurium and Enteritidis Multiplex PCR Kit	96 reactions	A33227
Applied Biosystems™ SimpliAmp™ Thermal Cycler (Sample preparation step)	1 unit	A24811
7500 Fast Food Safety Real-Time PCR System with RapidFinder Express v2.0 Software	with desktop	A30304
	with laptop	A30299
QuantStudio 5 Food Safety Real-Time PCR System with RapidFinder Analysis v1.0 Software	with desktop	A36320
	with laptop	A36328
Enrichment media, plating media, Salmonella species Latex Test, and agglutinating sera for confirmation of <i>Salmonella</i> species, <i>Salmonella</i> Typhimurium, <i>Salmonella</i> Enteritidis, and other <i>Salmonella</i> serovars are available. Please refer to the RapidFinder Salmonella Multiplex Kit User Guide or contact your Thermo Fisher Food Safety representative for details.		

For fast, reliable molecular food testing, contact your regional Thermo Fisher Scientific Food Safety Specialist, or visit thermofisher.com/power-up

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