



Check & Trace Salmonella 2.0

Save valuable lab time with our molecular *Salmonella* serotyping workflow using real-time PCR multiplexing technology.

Get results in under two hours.



Get in touch with
our experts
www.checkandtrace.com



Rapid and actionable

Confirm *Salmonella* presence and identify the top 59 serotypes of concern in under 2 hours.

Typing is essential to eliminate *Salmonella* from the production chain.

Multiplex real-time PCR-based technology detects 27 target genes in parallel.



Efficient and easy-to-use workflow

Easy sample preparation process.

Plug-and-play assay with ready-to-use reagents saving precious lab time.

Use standard laboratory equipment and a Bio-Rad real-time PCR cyclor to run the test.

Access and manage data anytime, anywhere with our cloud-enabled services.



Objective results

Proprietary software interprets results and provides a simple readout of the *Salmonella* serotype, based on a unique profile of genetic markers.

How it works: Check & Trace Salmonella 2.0 workflow

1. Sample preparation	2. Amplification	3. Result interpretation
<ul style="list-style-type: none"> – Take sample from pure culture (XLD or NA medium plate) using colony sampler – Add buffer, mix and heat to extract DNA 	<ul style="list-style-type: none"> – Mix DNA sample with Master Mix (reaction mix) – Aliquot reaction mix into prefilled strips – Run real-time PCR (90 mins)* 	<ul style="list-style-type: none"> – Upload cycler results to the Check & Trace analysis software to receive results in minutes

*For use with Bio-Rad® CFX96™ / CFX Opus 96. Soon available for QuantStudio™ 5.

Salmonella serotypes identified

Salmonella discrimination is of paramount importance when carrying out source-tracking investigations. Early *Salmonella* detection and discrimination with Check & Trace Salmonella 2.0 (Cat. No. 18-2020) enables rapid decisions and responses.



Abaetetuba	Choleraesuis	Havana	Molade	Paratyphi B. (Java)	Tennessee
Agona	Corvallis	Heidelberg	Montevideo	Poona	Thompson
Alachua	Cubana	Idikan	Muenchen	Pullorum	Typhimurium
Albany	Derby	Infantis	Muenster	Reading	Typhimurium monophasic (1,4,[5],12:i:-)
Anatum	Dublin	Javiana	Newport	Rissen	Uganda
Bovismorbificans	Enteritidis	Kentucky	Ohio	Saintpaul	Virchow
Braenderup	Gallinarum	Livingstone	Oranienburg	Sandiego	Worthington
Brandenburg	Give	London	Orion	Schwarzengrund	Yoruba
Bredeney	Goldcoast	Mbandaka	Ouakam	Senftenberg	4,[5],12:d:-
Cerro	Hadar	Minnesota	Panama	Stanley	

Certification pending:

Aberdeen	Bareilly	Emek	Hvittingfoss	Kiambu	Manhattan	Soerenga
Abortusovis	Berta	enterica 47:z4,z23:-	Indiana	Kingston	Meleagridis	S. bongori (V)
Adelaide	Blockley	Fresno	Isangi	Kottbus	Nottingham	Taksony
Agama	Bracknell	Gaminara	Jerusalem	Lexington	Offa	Urbana
Altona	Chailey	Gloucester	Johannesburg	Litchfield	Ordenez	Weltevreden
Amsterdam	Chester	Haifa	Kapemba	Liverpool	Putten	4,12:i:- (Not Typhimurium)
Banana	Eastbourne	Hartford	Kedougou	Llandoff	Ruiru	

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