



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 106 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 cycler 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	Brandenburg	Gloucester	Kiambu	Nottingham	Soerenga
Aberdeen	Bredeney	Goldcoast	Kingston	Offa	Stanley
Abortusovis	Cerro	Hadar	Kottbus	Ohio	S. bongori (V)
Adelaide	Chailey	Haifa	Lexington	Oranienburg	Taksony
Agama	Chester	Hartford	Litchfield	Ordonez	Tennessee
Agona	Choleraesuis	Havana	Liverpool	Orion	Thompson
Alachua	Corvallis	Heidelberg	Livingstone	Ouakam	Typhimurium
Albany	Cubana	Hvittingfoss	Llandoff	Panama	Typhimurium monophasic (1,4,[5],12:i:-)
Altona	Derby	Idikan	London	Paratyphi B. (Java)	Uganda
Amsterdam	Dublin	Indiana	Manhattan	Poona	Urbana
Anatum	Eastbourne	Infantis	Mbandaka	Pullorum	Virchow
Banana	Emek	Isangi	Meleagridis	Putten	Weltevreden
Bareilly	enterica 47:z4,z23:-	Javiana	Minnesota	Reading	Worthington
Berta	Enteritidis	Jerusalem	Molade	Rissen	Yoruba
Blockley	Fresno	Johannesburg	Montevideo	Saintpaul	4,12:i:- (Not Typhimurium)
Bovismorbificans	Gaminara	Kapemba	Muenchen	Sandiego	4,[5],12:d:-
Bracknell	Gallinarum	Kedougou	Muenster	Schwarzengrund	
Braenderup	Give	Kentucky	Newport	Senftenberg	

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