



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 2 hours.



Rapid & actionable

Confirm *Salmonella* presence; identify and differentiate 106 relevant serotypes 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.



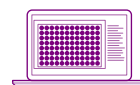
Efficient & easy-to-use workflow

Easy sample preparation process.

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

Uses standard laboratory equipment and compatible real-time PCR cyclers to run the test (two platform options).

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.

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Check & Trace Salmonella 2.0 has obtained the Microval certificate for confirmation and typing of *Salmonella*. Laboratories now have an officially certified alternative for the ISO-6579 workflows for confirmation and typing.



How it works

1. Sample preparation	2. Amplification 	3. Result interpretation 
- Take sample from pure culture (XLD or NA medium plate) using the colony sampler - Add sample buffer and heat to extract DNA	- Mix DNA sample with Master Mix (reaction mix) - Aliquot reaction mix into prefilled strips - Run real-time PCR (90 mins)	Upload cycler results to the Check & Trace analysis software to receive results in minutes

Salmonella serotypes identified

Check & Trace Salmonella 2.0 is MicroVal approved for all serotypes listed below. *AOAC certification pending; all others are AOAC approved.

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

One powerful technology. Two platform options.



Check & Trace Salmonella 2.0 (Cat. no. 18-2020)

- For Bio-Rad® CFX96™ / CFX Opus 96 PCR cyclers
- MicroVal certified
- AOAC PTMSM certified method (No. 072301)
- Validated ISO 6579 alternative



Check & Trace Salmonella 2.0 QS5 (Cat. no. 18-2050)

- Platform-specific configuration for QuantStudio™ 5
- Same workflow and analysis software
- Includes chimney caps for 0.2 mL block format
- Not AOAC performance tested or MicroVal certified

INDICAL
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Check-Points B.V.
An INDICAL BIOSCIENCE Company
Binnenhaven 5, 6709 PD Wageningen
The Netherlands

Contact information:
Visit: www.checkandtrace.com
Support & Orders: info@check-points.com
Phone: +31 (0) 317 453 908

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