

TECRA® unique™

SALMONELLA

Fast, Convenient, Reliable Salmonella Detection

with TECRA's patented Immunoenrichment™ technology

PATHOGENS

Fast

- From sample to result in less than 22 hours!

Cost Effective

- Rapid results ensure product can be released sooner, reducing holding costs

Reliable

- Extensively tested for a wide range of food and environmental samples
- Independently validated or approved by:

AOAC (USA)	EMMAS (UK)
AQIS (Australia)	MIMM (NZ)
VDIA (Australia)	NKML (Scandinavia)
Ministry of Agriculture (Brazil)	AFNOR (France)
- High sensitivity: 1 cfu/25g sample
- Immunoenrichment™ technology significantly reduces background flora, making Salmonella isolation extremely reliable
- Detects motile and non-motile Salmonella

Convenient

- One simple enrichment step, saving you time and money
- For even greater convenience, use Quick-Enrich MBPW: 225mL of ready-to-use MBPW, sufficient for one 25g sample, in a stand-up bag
- No toxic selective enrichment media required
- Each module can be used manually for a single test, or automated using the UNIQUE PLUS™ instrument for up to 30 tests/run
- Minimal hands-on time
- All reagents provided in ready-to-use self contained modules
- Compact modules for easy storage
- Support tray for handling and storing modules

Customer Support

- You can rely on the extensive training, technical and sales support from Biotrace International and its TECRA brand distributors

Why test for Salmonella?

Salmonellosis is one of the most common and widely distributed foodborne diseases. Millions of human cases are reported worldwide every year and the disease results in thousands of deaths.¹ It is estimated that 2 to 4 million cases occur annually in the US alone.²

Salmonellosis is generally contracted through the consumption of food of animal origin (mainly meat, poultry, eggs and milk), although other foods, including green vegetables contaminated from manure, have been implicated in its transmission.¹

Regulatory bodies provide guidance on the acceptability of foodstuffs with regard to microbiological criteria. Testing for Salmonella is a requirement for many foods.



Built-in positive and negative controls



Easy-to-read results

-ve +ve

unique™ Salmonella AOAC Official Method 2000.07 Collaborative Study Summary³



Reference Method: US FDA BAM

Trial Parameters: 41 collaborators
3 inoculum levels:

- Uninoculated
- Low Level (1-5 cells/25g)
- High level (10-50 cells/25g)

1200 food samples tested

Outcome: The TECRA UNIQUE™ Salmonella method is equivalent to the US FDA BAM Reference Method.

unique™ Salmonella gave 100% inclusivity and 100% exclusivity in validation trials⁴

Summary:

- 91 strains of Salmonella representing 81 serotypes were tested and shown to be positive.
- 29 strains of non-Salmonella from 23 species were tested and gave negative results.

Product Information

TECRA Product code	Min. No tests	Max. No tests
SALUNQ20	1	20
SALUNQ40	1	40

TECRA Products Recommended for use with UNIQUE™ Salmonella

TECRA Product	TECRA Product Code	Pack Size	Sufficient for
Quick-Enrich MBPW	QE-MBPW-225-20	20 bags (225mL each)	20 samples
Modified Buffered Peptone Water	MBPMED500	500g	20 litres of medium
	MBPMED2000	2kg	80 litres of medium
TECRA Salmonella Supplement	SALSUP250	250 mL	5 litres of medium
Imbentin Supplement	IMBSUP50	50 mL	22 samples
Filter Sample Bags	FSTBAG100	100 bags	
Meat Pack (Imbentin & Filter Sample Bags)	MEATPK20	50 mL Imbentin	
		20 Sample bags	
TECRA ENVIROSWAB™	ENVSWB25 or 500	25 or 500 Swabs	
Sealing Tape - green	UNQTAPEGI	1 Roll	
Support Tray	UNQTRAY10	10 Trays	
For automated option: UNIQUE PLUS Instrument			up to 30 tests/run

References

- 1 World Health Organisation. Fact Sheet No. 139 (April 2005) at <http://www.who.int/mediacentre/factsheets/fs139/en/>
- 2 Bad Bug Book. Foodborne Pathogenic Microorganisms and Natural Toxins Handbook. U.S. Food and Drug Administration Center for Food Safety and Applied Nutrition at <http://www.foodsafety.gov/~mow/chap1.html>
- 3 Hughes, D. et al: Journal of AOAC International 84(2), 2001
- 4 European Microbiological Method Assessment Scheme, September 2001

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