



TAAG F39 Triplex Ecoli STEC-O157-Salm SPID

Ready-to-use multiplex real-time PCR kit for the detection and identification of STEC strains, *Escherichia coli* O157:H7 and *Salmonella* spp.

INTENDED USE

Qualitative detection and identification of STEC strains (Shiga Toxin *Escherichia coli*), *Escherichia coli* O157:H7 and *Salmonella* spp. in leafy greens samples. Intended for use in low or high-complexity microbiology and food safety laboratories.

MAIN INDUSTRIES



Food safety
laboratories



Microbiology
laboratories



Agriculture

PRINCIPLE

The TAAG F39 Triplex Ecoli STEC-O157-Salm SPID product is a real-time PCR kit for the simultaneous detection and identification of STEC strains, *Escherichia coli* O157:H7 and *Salmonella* spp. in recovered DNA from enriched samples. Pathogens are detected by real-time PCR using fluorescent probes for the specific recognition of each sequence.

TABLE 1. TECHNICAL SPECIFICATIONS

Microorganisms	STEC strains, <i>Escherichia coli</i> O157:H7 and <i>Salmonella</i> spp.
Performance	LoD: 10 ⁰ EGC/μL for STEC strains (gene <i>stx1/stx2</i> and gene <i>eae</i>). 10 ¹ EGC/μL for <i>Escherichia coli</i> O157:H7 and <i>Salmonella</i> spp. Includes an internal control of the PCR run to ensure the reliability of the results
Validated samples	Enriched samples of leafy greens.
Time	Enrichment: 24 hours PCR: 1 hour 40 minutes
Technology	Real-time PCR
Detection chemistry	Fluorescent probes Detection channels FAM [gene <i>stx1/stx2</i>], HEX [gene <i>eae</i>], ROX [<i>E. coli</i> O157:H7], Cy5 [<i>Salmonella</i> spp.] and Cy5.5 [Internal control].

KIT CONTENT

- 12 preloaded PCR strips
- 1 tube of Positive control TAAG F39 – 100 μL
- 1 tube of Negative control – 352 μL

STORAGE

- Store between -25°C to -15°C
- Shelf life: 6 months
- Protect from direct light exposure

CERTIFICATIONS

- Certified by AOAC by extension of License Number 032501
- Manufactured under an ISO 13485:2016 certified quality management system

ORDER INFORMATION

Catalog #	Product	Size
V-FF30-1	TAAG F39 Triplex Ecoli STEC-O157-Salm SPID	12 PCR strips 100 µL - 96 reactions

ORDER INFORMATION – ADDITIONAL SUPPLIES

Catalog #	Product	Size	Description
V-FP25	TAAG E92 Buffered Peptone Water	1 Jar - 500 g	Dehydrated enrichment media for growing pathogens from surfaces and food samples.
V-EQ19	Nucleia 2 Tez-Q Plus	96 tubes Tez-Q 5 bottles - 10 mL resuspension solution	Bacterial DNA extraction kit from enriched food samples and different matrices.

Este producto se encuentra sujeto a los términos y condiciones de TAAG Technologies S.A., que pueden ser encontrados en <http://www.taag-genetics.com/terms>

TAAG Technologies S.A.

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