



## Ampliora 6.1 WaterScan Plus SPID

Ready-to-use multiplex real-time PCR kit for the simultaneous detection and identification of enterobacteria *Escherichia coli*, *Citrobacter* spp., *Klebsiella* spp., *Enterococcus* spp., *Enterobacter* spp., and *Escherichia* spp. in water samples.

### INTENDED USE

Qualitative detection and identification of enterobacteria *Escherichia coli*, *Citrobacter* spp., *Klebsiella* spp., *Enterococcus* spp., *Enterobacter* spp., and *Escherichia* spp. in water samples using real-time PCR. Designed for use in food safety laboratories, high and low complexity microbiology laboratories, and production plants.

### MAIN INDUSTRIES



Food safety  
laboratories



Microbiology  
laboratories



Food processing  
plants

### PRINCIPLE

The detection and identification are carried out using real-time PCR technique with the use of fluorescent probes for the recognition of specific sequences of *Escherichia coli*, *Citrobacter* spp., *Klebsiella* spp., *Enterococcus* spp., *Enterobacter* spp., and *Escherichia* spp. from enriched samples of water filtered through cellulose membrane.

TABLE 1. TECHNICAL SPECIFICATIONS

Microorganisms	<i>Escherichia coli</i> , <i>Citrobacter</i> spp., <i>Klebsiella</i> spp., <i>Enterococcus</i> spp., <i>Enterobacter</i> spp. and <i>Escherichia</i> spp.
Performance	LoD (pre-enriched sample): from $5 \times 10^0$ – $5 \times 10^1$ UFC/mL LoD (from genetic material): <i>Escherichia coli</i> $5 \times 10^1$ CGE/ $\mu$ L; <i>Citrobacter</i> spp. $5 \times 10^1$ CGE/ $\mu$ L; <i>Klebsiella</i> spp. $5 \times 10^1$ CGE/ $\mu$ L; <i>Enterococcus</i> spp. $5 \times 10^1$ CGE/ $\mu$ L; <i>Enterobacter</i> spp. $5 \times 10^1$ CGE/ $\mu$ L and <i>Escherichia</i> spp. $5 \times 10^1$ CGE/ $\mu$ L
Validated matrices	Enriched samples of water filtered through 0.45 $\mu$ m cellulose membrane
Time	PCR: 120 minutes
Technology	Real-time multiplex PCR
Detection chemistry	Fluorescent probes <b>MIX 1:</b> Detection channel FAM [ <i>Escherichia coli</i> ], HEX [ <i>Citrobacter</i> spp.], ROX [ <i>Klebsiella</i> spp.], Cy5 [Internal control] <b>MIX 2:</b> Detection channel FAM [ <i>Enterococcus</i> spp.], HEX [ <i>Enterobacter</i> spp.], ROX [ <i>Escherichia</i> spp.], Cy5 [Internal control]

### KIT CONTENT

- 24 preloaded PCR strips (12 MIX 1 strips and 12 MIX 2 strips)
- 2 tubes of positive control TAAG SP Water- 100  $\mu$ l
- 2 tubes of negative control - 352  $\mu$ l

### STORAGE

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

### AWARDS AND CERTIFICATIONS

- Manufactured under an ISO 13485:2016 certified quality management system

## ORDER INFORMATION

Catalog #	Product	Size
V-SF88	Ampliora 6.1 WaterScan Plus SPID	12 PCR strips 100 µL - 96 reactions

## ORDER INFORMATION - ADDITIONAL SUPPLIES

Catalog #	Product	Size	Description
V-EQ19	Nucleia 2 Tez-Q Plus	96 tubes Tez-Q 5 bottles - 10 mL wash buffer	Bacterial DNA extraction kit from enriched food samples and different matrices

This product is subject to TAAG Technologies' Terms and Conditions, which you can find at <http://www.taag-genetics.com/terms>

**TAAG Technologies S.A.**

Av. Rio Refugio 9641. Pudahuel, Santiago de Chile

Phone: +56 2 29 353216

Email: [customersupport@taag-tech.com](mailto:customersupport@taag-tech.com)Web: <https://taag-technologies.com/>