



Detect **STEC toxins** direct from fecal samples with the new **SHIGA TOXIN QUIK CHEK** test.

NEW ENTERIC PRODUCT

Shiga toxin producing *E. coli* (STEC) represents a significant threat to public health causing food-borne and water-borne diarrheal disease and mortality worldwide. Prompt detection is necessary to prevent outbreaks, secondary transmission and to direct appropriate treatment therapies.¹ The new **SHIGA TOXIN QUIK CHEK** test is the **only rapid test able to detect STEC Toxins directly from fecal samples.**

Traditional methods focus on O157 STEC species which means non-O157 serotypes often go undetected.² If left undetected, these conditions can progress to life-threatening diseases such as Hemolytic Uremic Syndrome (HUS).¹ The recent non-O157 outbreak in Germany caused substantial mortality and has highlighted the need for new diagnostics to address this pathogen.³

Unique Product

- Direct detection of STEC Toxins from primary fecal samples
- No overnight culture required
- Diagnosis up to 24 hours earlier than other rapid tests or traditional methods
- Analytical Sensitivity: 0.04 ng/mL Stx1 and Stx2
- Differentiation of Shiga Toxins (Stx1 and Stx2)

Easy to Use

- Utilizes the popular TECHLAB® “QUIK CHEK” format
- Results in under 30 minutes
- Compatible with primary fecal samples, broth, plate cultures and specimens in transport media



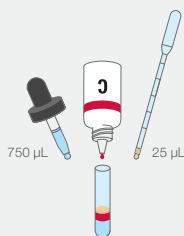
Actual size

To learn more about cost-effective, sensitive, rapid detection of **STEC**, contact your local Alere Representative.

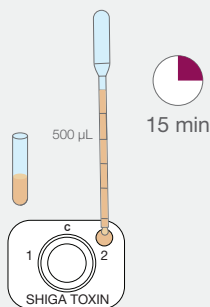
Easy to Use

Direct Fecal*

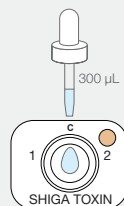
- 1 Add to a test tube:
 - 750 μ L *Diluent**
 - 1 drop *Conjugate*
 - 25 μ L of *Specimen**
 Mix thoroughly.



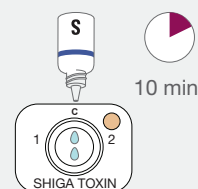
- 2 Transfer 500 μ L from tube to small *Sample Well*. Incubate 15 minutes at room temperature.



- 3 Add 300 μ L *Wash Buffer* to large *Reaction Window*.



- 4 Add 2 drops *Substrate* to large *Reaction Window*. Read results after 10 minutes.



*For broth specimens and specimens in transport media, use 650 μ L *Diluent* and 100 μ L *Specimen*. For complete instructions for use, see the package insert.

Easy to Read



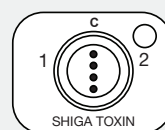
Positive STX1
Positive STX2



Positive STX1
Negative STX2



Negative STX1
Positive STX2



Negative STX1
Negative STX2

Direct Fecal Testing Results

	Vero Cell Cytotoxin	
n = 887	Stx1 +	Stx1 -
STQC Stx1 +	48	2
STQC Stx1 -	1	836

Sensitivity: 98% | Specificity: 99.8% | Accuracy: 99.7%

	Vero Cell Cytotoxin	
n = 887	Stx2 +	Stx2 -
STQC Stx2 +	48	0
STQC Stx2 -	1	838

Sensitivity: 98% | Specificity: 100% | Accuracy: 99.9%

Product order information:

SHIGA TOXIN QUIK CHEK

Fisher Catalog#: **23900553 (25 tests)**

Other tests in the TECHLAB® range:

C. DIFF QUIK CHEK COMPLETE® - Simultaneous detection of GDH and Toxins A and B from *Clostridium difficile*.

GIARDIA/CRYPTOSPORIDIUM QUIK CHEK - Simultaneous detection and differentiation of the parasites *Giardia lamblia* and *Cryptosporidium parvum*.

LEUKO EZ VUE® - Detect elevated levels of fecal lactoferrin, a marker of fecal leukocytes and an indicator of intestinal inflammation.

Distributed by:

Developed and
Manufactured by:



Fisher HealthCare

For customer service, call 1-800-640-0640.
To fax an order, use 1-800-290-0290.
To order online: www.fisherhealthcare.com

1. Pennington (2010). *Escherichia coli* 0157. The Lancet 376: 1428-35

2. Johnson et al (2006). The emerging clinical importance of Non-0157 Shiga-Toxin producing *Escherichia coli*. Clin. Infect. Dis. 43: 1587-95

3. STEC Workshop Reporting Group (2012). Experiences from the Shiga Toxin-producing *Escherichia coli* 0104:H4 outbreak in Germany and research needs in the field. Euro Surveill. 17(7): pii=20091

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