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

NEW ENTERIC PRODUCT

Vero-cytotoxin / Shiga toxin producing *E. coli* (VTEC/STEC) represents a significant threat to public health causing food-borne and water-borne diarrhoeal 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 VTEC/STEC Toxins directly from faecal samples.

Traditional methods focus on O157 VTEC species which means non-O157 serotypes often go undetected.[2] If left undetected, these conditions can progress to life-threatening diseases such as Haemolytic 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 VTEC/STEC Toxins from primary faecal samples
- 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

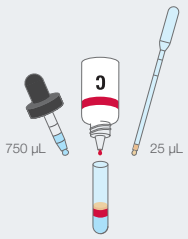
- Utilises the popular TECHLAB® *"QUIK CHEK"* format
- Results in under 30 minutes
- Compatible with primary faecal samples, broth, plate cultures and specimens in transport media

Actual size

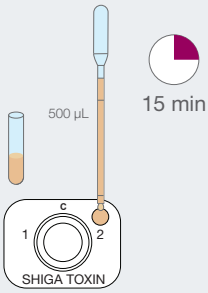
To learn more about cost-effective, sensitive, rapid detection of **VTEC/STEC,** contact your local Alere Representative.

Easy to Use

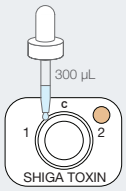
1 Add to a test tube:
- 750 µL (2nd graduation) *Diluent**
- 1 drop *Conjugate*
- 25 µL (1st graduation) of Specimen* Mix thoroughly.



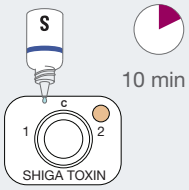
2 Transfer 500 µL (highest graduation on transfer pipette) from tube to small *Sample Well*. Keep the cassette at room temperature and wait 15 minutes.



3 Add 300 µL *Wash Buffer* to large *Reaction Window*. Allow to completely absorb.



4 Add 2 drops *Substrate* to large *Reaction Window*. Keep the cassette at room temperature and wait 10 minutes. Read results.



*For broth specimens in transport media, use 650 µL (1st graduation) *Diluent* and 100 µL (two drops from pipette) 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 Faecal Testing Results

	Vero-cytotoxin Assay	
n = 506	Stx1 +	Stx1 -
STQC Stx1 +	32	0
STQC Stx1 -	1	473

Sensitivity: 97%
Specificity: 100%

	Vero-cytotoxin Assay	
n = 506	Stx2 +	Stx2 -
STQC Stx2 +	32	0
STQC Stx2 -	1	473

Sensitivity: 97%
Specificity: 100%

Product order information:

SHIGA TOXIN QUIK CHEK – Rapid membrane Enzyme Immunoassay (EIA)
Product code: T30625 (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 faecallactoferrin, a marker of fecal leukocytes and an indicator of intestinal inflammation.

Distributed by: Alere™

Developed and Manufactured by: TECHLAB®

To learn more about detecting **VTEC/STEC** Toxins direct from primary samples contact your local Alere Representative.

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

Made in U.S.A.

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