

DETECT WITH CONFIDENCE

# SHIGA TOXIN CHEK™

*Provide complete and accurate results*

- Direct detection of STEC toxins from primary fecal specimens
- Simultaneously detect Stx1 and Stx2
- Detect serogroups O157 and non-O157 (non-O157 is not easily detectable by culture)
- Shorter time to result than other ELISA assay or culture method



SHIGA TOXIN CHEK™

## Product Order Information

Product Name	Cat. No.	Sample Type	Time to Result	Format
<b>SHIGA TOXIN CHEK™</b>	T30696	Fresh and frozen fecal sample (unpreserved), Cary Blair, C&S, broth (GN or MAC), plate culture (SMAC, CT-SMAC, CHROMagar® O157)	50 minutes, or 20 minutes (rapid)	Microplate ELISA

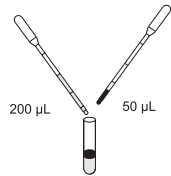
# SHIGA TOXIN CHEK™

## Specimen Preparation

### Direct Fecal Method

Add to a test tube:

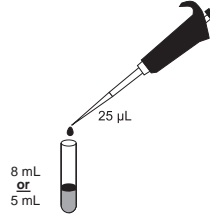
- 200 µL *Diluent* (3rd graduation)
- 50 µL (1st graduation) of specimen\*
- Mix thoroughly.



\*For specimens in transport media, use 100 µL *Diluent* and 100 µL Specimen (2nd graduation)

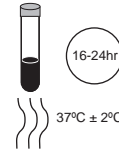
### Broth Method

- A** Add 25 µL of specimen\* to a tube containing 8mL of GN or 5mL of MacConkey Broth



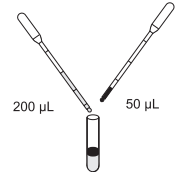
\*For specimens in transport media, use 100 µL Specimen

- B** Loosely cap the inoculated broth and incubate for 16-24 hours at 37°C ± 2°C. Examine the tube for growth. If no growth, do not proceed with testing.



- C** Add to a test tube:

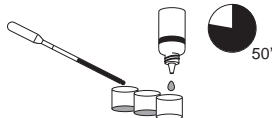
- 200 µL *Diluent* (3rd graduation)
- 50 µL (1st graduation) of broth culture.
- Mix thoroughly.



## Assay Protocol

- 1** Add to wells:
- 1 drop *Conjugate*
  - 100 µL (2nd graduation) of diluted specimen or diluted broth culture, or appropriate amount of controls

Incubate wells for 50 minutes at 37°C ± 2°C

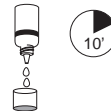


Note: A 20-minute alternate expedited incubation step is possible if the specimen is incubated at 37°C with shaking.

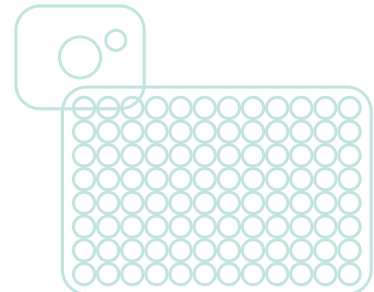
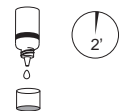
- 2** Wash wells with diluted *Wash Buffer* 5 times. Slap inverted plate firmly on paper towels between each wash.



- 3** Add 2 drops of *Substrate* to all test wells. Incubate wells at room temperature for 10 minutes. Tap wells gently to mix during incubation.



- 4** Add 1 drop *Stop Solution*. Tap to mix. Wait 2 minutes before reading. Refer to the package insert for interpretation of results.



[www.cdc.gov/ecoli](http://www.cdc.gov/ecoli)  
SHIGA TOXIN CHEK™ Package Insert

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**keydiagnostics**

T: 02 8212 4074 F: 02 9423 6992  
info@keydiagnostics.com.au  
www.keydiagnostics.com.au  
PO Box 1038, Gymea, NSW, 2227

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TECHLAB, Inc. is a leading developer and manufacturer of infectious disease diagnostics products worldwide. Since 1989, the company has offered a quality portfolio of diagnostic tests which now includes assays for *C. difficile*, *Campylobacter*, Shiga toxin producing *E. coli*, *H. pylori*, protozoan parasites, and biomarkers of intestinal inflammation.

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