

Colorado State Public Health Laboratory

Shiga Toxigenic Escherichia Coli (STEC) Quik Chek™ Rapid Test

Appendix C: Job Aid

1. Prep sample by specimen type

- Direct Fecal and samples in transport media: mix thoroughly, begin test
- Broth: Mix thoroughly, culture 25μL (~2 mm diameter) of specimen in 5mL MacConkey or 8mL GN broth. Incubate 16-24 hours at 35-39°
- Fecal specimens in Cary Blair or C&S transport media: culture 100µL of specimen in 5mL of MacConkey or 8mL of GN broth. Incubate 16-24 hours at 35-39°

2. Bring reagents to room temperature

3. Label 2mL tubes

4. Add Diluent

- Add 750μL diluent, 2nd graduation, for Unpreserved Fecal Specimens, Plate Cultures, and External Controls
- Add 650μL diluent, 1st graduation, for Broth Cultures and Transport Media Specimens

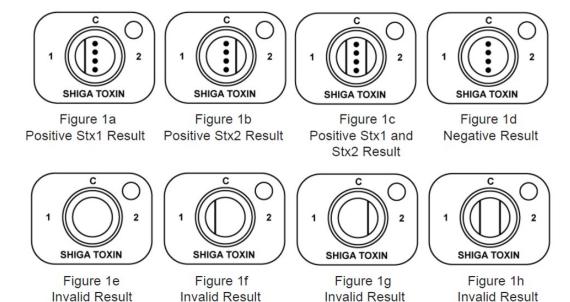
5. Add 1 drop of Conjugate

6. Add specimen

- Direct Fecal- Add 25µL of specimen (~2mm diameter portion). Emulsify with stick or transfer pipette
- Broth Cultures/Fecal Specimens in transport media- Transfer 100µL of specimen with transfer pipette
- Plate cultures: Sweep swab through confluent area several times, rotating against side of tube to release sample. Incubate at room temp for 30 min

7. Vortex thoroughly

- Once samples are in the Diluent/Conjugate mix, they may incubate for up to 2 hours before adding to Membrane Device
- 8. Transfer 500µL to Sample Well
- 9. Incubate for 15 minutes
- 10. Add 300µL Wash Buffer to Reaction Window
- 11. Add 2 drops of Substrate to Reaction Window
- 12. Incubate for 10 minutes
- 13. Read results immediately.



TECHLAB[™] Shiga Toxin Quik Chek[™] Package Insert