

Appendix B - Validated test kits for microbial testing of spent irrigation water during sprout production

Sampling and Testing Procedures

Follow the sampling and testing procedures as described in the FDA guidance document (Guidance for Industry: *for industry: sampling and microbial testing of spent irrigation water during sprout production*)

Test Kits

A. Cited by the 1999 FDA guidance

Escherichia coli O157:H7

1. VIP EHEC, Biocontrol Systems, Inc., Bellview, WA., (AOAC Official method # 996.09) or
2. Reveal *E. coli* O157:H7, Neogen Corp., Lansing, MI.

Salmonella

1. Assurance Gold *Salmonella* EIA, (AOAC Official method # 999.08) or
2. Visual Immunoprecipitate (VIP) Assay for *Salmonella*, (AOAC Official method 1B 999.09)

(Both kits are manufactured by BioControl Systems, Inc., 12822 SE 32nd Street, Bellevue, WA 98005).

B. Additional AOAC Performance tested rapid methods validated for sprouts

Reveal® *Salmonella* 2.0 Test System (Neogen Corp, Lansing, MI)

BAX® System with Automated Detection PCR Assay for Screening *Salmonella* (DuPont Qualicon Inc., Wilmington, DE)

Transia Plate *Salmonella* Gold (Raisio Diagnostics AB, Raisio, Finland)

VIDAS® Easy SLM (*Salmonella*) with ChromID™ *Salmonella* (SM2) Agar (BioMerieux, Durham, NC)

E. coli O157, Stx-productin *E. coli* (STEC) with Intimin and *Salmonella* Test System (IEH Laboratories and Consulting Group, Lake Forest Park, WA).