

IDEXX

Literature Cover Sheet

IDEXX Library #: 5AH

Topic: IBWA Approval of Colilert, Colilert-18 and Colisure

Title: "Model Code"

Author(s): International Bottled Water Association (IBWA)

Date: 1999 Model Code

Source: <http://www.bottledwater.org/public/model.htm#RULE 1: DEFINITIONS>

Highlights:

- "A representative unit of production for each package size shall be tested for total coliform during each daily production"
- "If positive for total coliform, an *E. coli* determination is performed from that test."
- Coliform and *E. coli* methods from in *Standard Methods for the Examination of Water and Wastewater*, 20th Edition should be used. (Note: Colilert, Colilert-18 and Colisure are all included in the 20th Edition.)

**International Bottled Water Association
(IBWA)
Model Code**

Copied from <http://www.bottledwater.org/public/model.htm#RULE 1: DEFINITIONS 5/00>

Appendix C Escherichia coli and Total Coliform Standard and Policy

IBWA STANDARD OF PRODUCT QUALITY

- No *Escherichia coli* detectable in a 100 ml portion/sample. No validated total coliform detectable in a 100 ml portion/sample as substantiated by retesting.

PROCEDURE FOR RESPONSE TO COLIFORM AND ESCHERICHIA COLI TESTING RESULTS

A representative unit of production for each package size shall be tested for total coliform (which includes *E. coli* in this group) during each daily production. If positive for total coliform, an *E. coli* determination is performed from that test. When a unit of production results in a positive result for coliform organisms by a total coliform method in *Standard Methods for the Examination of Water and Wastewater*, 20th Edition, the following policy and procedure should be employed:

1. Immediately analyze 4 additional samples from the same production lot for total coliform. Also examine the original sample for presence of *Escherichia coli* (*E. coli*) by a method in *Standard Methods*, 20th Edition.
2. Review sampling and analytical procedures to determine if the original sample contamination may have occurred due to sampling or laboratory error. If the review of sampling and analytical procedures demonstrates a source of contamination, such as contaminated media or analyst error, INVALIDATE results and proceed with total coliform analysis of five additional samples from the same lot using uncontaminated media and proper technique.
3. Company plant personnel should use the following guidelines for decisions on the disposition of the lot:
 - a. If the re-sampling does not show *E. coli* or total coliform, consider the first sample an invalid result.
 - b. If the original sample AND any of the additional four samples collected are positive for total coliforms or *E. coli*, consider the results valid and conduct follow up actions pursuant to the company's recall plan.
 - c. If the original sample contained *E. coli*, conduct follow up actions pursuant to the company's recall plan.