IDEXX Summary #:5BP

Topic: Colilert®, Colilert-18®, Quanti-Tray® and Quanti-Tray® 2000, are included in the Australian Standard™ as acceptable methods for Coliform and/or *E coli* enumeration method

Title: Australian Standard™: "Water Microbiology Method 21: Examination for coliforms and Escherichia coli – Determination of most probable number (MPN) using enzyme hydrolysable substrates"

Author(s): Australian Standard™

Source: AS 4276.21-2005

Date: 2005

Report Highlights:

- For complete reference, refer to www.standards.com.au
- Use of ONGP and MUG for the detection of coliforms and *E. coli* (referred to as EHS: Enzyme hydrolysable substrate)
- Section B2 refers to the paper: Edberg, S.C. *et al*: "Defined Substrate Technology Method for rapid and specific simultaneous enumeration of total coliforms and *Escherichia coli* from water". *J. Assoc. Off. Anal. Chem.*, 74(3): 526-529.
- IDEXX products use the patented Defined Substrate Technology® (DST®) to simultaneously detect total coliforms and *E. coli* *http://www.idexx.com/water/colilert/science.jsp*
- The multiple-well technique, used with a heat sealer, was compared to the conventional multiple tube method
- EHS medium, mixed with samples, is distributed into wells in pre-sterilized trays which are sized and arranged so that it is possible to determine a MPN of target microorganisms based on the number of positive wells