



NQAC

Nestlé Quality Assurance Center
Dublin

Technical Datasheet

Analysis Name: Coliform/*E. coli* Presence/Absence by Colilert

Method Number: SMEWW 9223B

Scope of Application: Potable Water

Description: A qualitative method determining the presence or absence of *coliforms* and/or *E. coli* in water. Colilert enzyme substrate is added to 100 mL of water, incubated at 35°C for 24-28 hours, then observed for color change and/or fluorescence.

Sample Weight

Required: 150 mL

Method Reference: Standard Methods for the Examination of Water and Wastewater, 23rd edition.

Analytical Platform: Cultural method

Special Information: LOD₅₀ may vary significantly for tap water depending on the chemical composition (i.e. chlorine, disinfection byproducts, minerals, etc.)

Analyte Reported	Alias	Unit of Measure	Limit of Quantification	Reproducibility
Total Coliforms Result		Per 100 mL	Presence/Absence	
<i>E. coli</i> Result		Per 100 mL	Presence/Absence	