



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
<i>Coliforms</i>		Per 100 mL	Presence/Absence	
<i>E. coli</i>		Per 100 mL	Presence/Absence	