



NQAC

Nestlé Quality Assurance Center
Dublin

Technical Datasheet

Analysis Name: Total Coliform, Membrane Filtration

Method Number: SMEWW 9222B

Scope of Application: Potable Water

Description: Membrane filter method used to quantify total coliforms in water using m-Endo MF media. 100 mL sample of water is aseptically filtered through 0.45 μ m filtration. The filter is placed on m-Endo MF plate. Plate is incubated at 35 ± 0.5 °C for 22-24 hrs. Typical colonies are counted and confirmed. Typical colonies are transferred to smLST/LTB and BGLBB tubes for confirmation. smLST/LTB and BGLBB tubes are incubated 35 ± 0.5 °C for 22-48hrs. Gas production in all tubes are indicative of coliforms.

Sample Weight Required: 150 mL

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

Analytical Platform: Cultural method

Special Information: Colonies that exhibit typical morphology of coliforms will automatically undergo confirmation.

| Analyte Reported | Alias | Unit of Measure | Limit of Quantification | Reproducibility |
|-----------------------------------|-------|-----------------|-------------------------|-----------------|
| Verified (Total) Coliforms Result | | CFU/100 mL | <1 CFU/ 100 mL | |