

C05A MICROBIOLOGICAL IN WATER

1.0 Sample Reception

- 1.1 All breakages and shortages must be reported within 24 hours of sample receipt. Due to sample stability, replacement samples will not be available beyond 96 hours of the shipping date.
- 1.2 Store samples at $4\pm 2^{\circ}\text{C}$, preferably in the dark. Non-diluted samples are stable for at least 96 hours after shipping date.
- 1.3 The samples are ideally tested around 20°C . If the temperature of the samples is lower than 10°C it is best to leave the samples at room temperature for about 30 minutes to an hour before testing.
- 1.4 Check that all the parameters for which you are registered are correctly identified in the PTC portal.
- 1.5 Inquiries regarding sample shipments and sample preparation may be directed to:

Ms. Esther Kwok
CMPT - UBC Pathology
T: 604-827-1754
F: 604-827-1338
email: cmpt.path@ubc.ca

cc: PT Canada, Program Officer
email: programofficer@PTcanada.org
cc: Nadine Lewis, PTC Executive Director
email: nlewis@PTcanada.org

Inquiries should be made by email. When reporting damage upon receipt, please provide a picture of the damaged samples. Please include your PT Canada laboratory number on all correspondence.

2.0 Sample Analysis: Heterotrophic Plate Count

- 2.1 No dilution is required. Mix vial well and analyse as per the laboratory's registered method.
- 2.2 Sample concentration ranges are on an interval below approximately 1000 counts/ml.

3.0 Sample Analysis: Total Coliforms, Fecal Coliforms And E.Coli

- 3.1 Samples are provided as a concentrate and must be diluted 1.0mL to 1000mL to obtain the sample to be analyzed. Do not apply this dilution to your final reporting result. The reporting results range is typically between 20-100 CFU/100mL (200-1000 CFU/mL). Mix vial well to dilute the 1.0mL to 1000mL with sterile dilution water. Mix well and analyse the diluted sample as per the laboratory's registered test method.
- 3.2 Sample concentration ranges, for the diluted samples, are on an interval below approximately 100 counts/100mL in the diluted sample (Please refer to the PTC Catalogue for concentration ranges).

4.0 Reporting Results

- 4.1 Results must be reported by midnight of the study deadline in the PTC portal.

5.0 Safety

- 5.1 The PT samples are designed for use by laboratory professionals familiar with environmental samples and potentially hazardous materials.