

| <b>HETEROTROPHIC BACTERIA DETECTION<br/>IN POTABLE AND NON-POTABLE WATER</b> |  |
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| <b>Test Description</b>  | Determination of heterotrophic bacteria in water.  |
| <b>Test Use</b>  | Useful for evaluating potable and non-potable water.   |
| <b>Test Department</b>   | Environmental Microbiology: Phone 860-920-6699<br>Fax 860-920-6703   |
| <b>Methodology</b>   | SM9215: Heterotrophic Plate Count  |
| <b>Availability</b>  | Year-round   |
| <b>Sample Requirements</b>   | One (1) sample collected in a sterile 250 mL bacteriological collection bottle, provided by the CT DPH Laboratory.   |
| <b>Container type /Preservative</b>  | Sterile 250 mL bacteriological bottle.<br>Sodium Thiosulfate preservative.   |
| <b>Collection Instructions (Note 1)</b>                                      | For taps, remove aerators and let water run 4-5 minutes. For outdoor locations, sampling location should be in accordance with a preapproved quality assurance project plan.   |
| <b>Sample Holding Time &amp; Transport</b>                                   | Samples are iced or refrigerated and kept below 10°C from time of collection until analysis.<br>Water samples must be analyzed within 8 hours of collection.   |
| <b>Unacceptable Conditions</b>   | Incomplete requisition form.<br>Insufficient sample volume.<br>Samples received beyond the acceptable holding time.<br>Samples that have been frozen.<br>Samples with residual chlorine present.<br>Samples collected in non-sterile containers. |
| <b>Requisition Form</b>  | Use the Environmental Microbiology Drinking Water or Pool Water.   |
| <b>Required Information</b>  | Fill out entire requisition form.  |
| <b>Limitations</b>   | Samples must be submitted by 2 P.M. Monday through Thursday to ensure processing that day.   |
| <b>Additional Comments</b>   |  |

Note 1: See *New England States Environmental Sampling Guide*, latest edition.

<https://www.epa.gov/sites/production/files/2015-06/documents/NE-States-Sample-Collection-Manual.pdf>