



Job Title: Bacteriophage Laboratory Technician

Department: Technical Service

Reports to: Bacteriophage Supervisor

Perform duties needed to test bacteriophage samples including but not limited to the following:

- Log in samples and assign number to each sample:
 - Using Microsoft Access program to log in and label all samples
 - Record all samples in log book specific to each customer
- Set up and transfer bacteria strains used in testing:
 - Label petri plates with the bacteria strain information
 - Use of the following laboratory equipment:
 - Multi-channel pipette
 - Single pipette
 - Small centrifuge
 - Vortex
 - Bunsen burner
 - Aseptic technique to transfer bacteria strains
- Dilutions and “Spotting” the samples onto petri plates:
 - Using multi-channel and single pipettes to perform necessary dilutions
 - “Spot” the samples and dilutions on petri plates
 - Incubate samples at assigned temperature for specific programs
- Read and record bacteriophage analysis worksheet:
 - Analyze the test(s) and interpret the results
 - Record all necessary information correctly
 - Submit reports to supervisor
- Reading, reporting and interpretation of results:
 - Generate and archive bacteriophage analysis reports for both in-house and customers
 - Record in-house bacteriophage results in QC data book
 - Maintain bacteriophage testing programs
- Propagation of phage:
 - Set up propagation process according to procedure
 - Maintain propagation records
- Miscellaneous:
 - Autoclave trash
 - Assist media technician in pouring Lac plates
 - Make and maintain inventory of phage kits for customers
 - Environmental swab bi-weekly for bacteriophage testing

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