

Kentucky Department for Environmental Protection
Division of Water; Drinking Water Branch
Laboratory Certification Program
DOWLabCertification@ky.gov

FACTSHEET

Kentucky Microbiology Technician

Kentucky Laboratory Certification Program strongly recommends the following training and documentation procedures for all laboratory personnel interested in a microbiology technician position. Modifications to the following are certainly an option, however informing and working with microbiology laboratory certification officers is always preferred.

The technician role is critical in the development of future microbiology analysts as they focus their efforts on the understanding of fundamental laboratory procedures, maintaining sample integrity, learning various microbiology methodologies, instrumentation employed, media preparation/storage and the processing/analysis of environmental compliance samples.

All work performed by technicians must be documented on daily bench sheets and performed under the direct supervision of a certified microbiology analyst. Bench sheets must be verified and signed by the certified analyst at the end of each working day.

The following activities should be documented for microbiology laboratory technicians, as they progress their career advancement:

- Copies of bench sheets, including quality control – recommend minimum of seven days processing and reading samples
- Performing quality control and a blind sample consisting of three samples
- Methodology utilized and quality control quiz – maintain records in training file
- Training courses, including date(s), overview of content and duration.

Microbiology Career Path:

Technician > Analyst > Supervisor/Consultant

If you have any questions regarding the above information please contact:

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