



Get an inside look at what to expect when our lab kits arrive!

Microbiology

Understand standard core competencies with methods for aseptic techniques, incubating cultures, and more.

With our sophisticated microbiology lessons, students will gain standard core competencies including methods for aseptic technique, collecting and incubating cultures, and describing and identifying microbes. These lessons can be customized to suit a variety of courses, including those requiring non-virulent sterile microbe cultures and those utilizing environmentally collected samples. Both physical and virtual microscope experiences are available.

Standard Kit Lessons – LP-2222-MB-03

Food Safety	Microscopy for Microbiology Use and Function
Fomite Transmission	Microbiology Laboratory Preparation (included with all kits)
Environmental Influences on Microbial Growth – Salt Tolerance and pH Testing	Bacterial Morphology and Staining Techniques
Biochemical Testing for Microbial Identification – Methyl Red, Vogues-Praskauer, and Catalase Testing	Bacterial Enumeration – Dilutions and Plate Counts
Biochemical Testing for Microbial Identification – Carbohydrate Fermentation Testing	Aseptic Technique and Culturing Microbes
Bacterial Identification Through Functional Media – Motility Testing	Antibiotic Sensitivity – Kirby Bauer Diffusion Test

Additional Lessons

Hand Washing and Normal Flora	Ubiquity of Microorganisms
Bacteria Identification Through Selective and Differential Media	Antiseptics and Disinfectants



Redefining Online Lab Science