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Product Name :

Microbe Scavenger Hunt

Product Code :

SLE/EB/18



Science Lab
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Description :

Microbe Scavenger Hunt is a school microbiology kit in which students collect, grow and identify bacteria, fungi and protists from water, air, soil and food. Its ready-to-use growth gel needs no autoclaving or special equipment. A dichotomous key, a viewing guide and a dried Microlife Mix of pond organisms support the microscope work.

Microbe Scavenger Hunt contents and activities

Parameter	Detail
Organisms explored	Bacteria, fungi and protists
Sampling sources	Water, air, soil and food, plus other microhabitats students choose
Growth medium	Ready-to-use, specially formulated gel; no autoclaving or special equipment needed
Identification aid	Dichotomous key to moulds, bacteria and protists
Pond study material	Specially formulated dried Microlife Mix for exploring pond organisms
Guidance	Guide to appropriate viewing techniques
Student activities	Wet mounts and stained slide preparations; identifying microbes under the microscope; pond-life study; growing microbes from different microhabitats
Also needed	Microscope, slides and coverslips (not listed among the contents)
Product code	SLE/EB/18
Minimum order	10 units
Dispatch	Usually within 7 to 10 working days
Supplied by	ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India

Running the microbe hunt in class

Microhabitat survey. Each group chooses one source, such as tap water, a pinch of garden soil, a cut slice of fruit or the air near an open window, and exposes its portion of gel as the kit guide describes. One portion stays unexposed as a control. Over the next few days, students record each colony's shape, colour, edge and texture, then work through the dichotomous key to name its group.

Pond life from the Microlife Mix. Prepare the dried mix as the guide directs, place a drop in a single-cavity slide so the protists have room to swim, and cover it with a coverslip. Start on low power of a student microscope with movable condenser, lower the condenser a little for contrast, and sketch each organism before moving to higher power.

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