Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Investigating Spontaneous Generation Lab Investigation

Product Code :

SLE/EB/17



Email : sales@scilabexport.com
Phone: +91-7082934803

Description :

Investigating Spontaneous Generation Lab Investigation recreates Louis Pasteur's 1864 experiment to test whether life can arise from non-life. Students compare sterilised nutrient broth in flasks open to airborne particles with broth in flasks whose special S-shaped necks admit air but hold particles back. The activity is designed for a class of 40 students.

Spontaneous generation investigation details

Parameter	Detail
Experiment	Recreation of Pasteur's classic spontaneous generation experiment
Question investigated	Can life arise from non-life?
Test flasks	Flasks exposed to particles in the atmosphere
Comparison flasks	Flasks with special S-shaped necks, exposed to air but not to particulate matter
Principle shown	Microorganisms do not develop spontaneously in a sterilised nutrient broth
Historical context	Louis Pasteur dispelled spontaneous generation in 1864
Class size	40 students
Product code	SLE/EB/17
Minimum order	10 units
Dispatch	Usually within 7 to 10 working days
Supplied by	ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India

Running the open and S-neck flask comparison

Setting up both sets of flasks. Prepare the nutrient broth as the kit instructions direct and share it between the open flasks and the S-neck flasks. Sterilise every flask of broth in the same way, for example in an autoclave, so that neck shape is the only difference between the two sets. Label each flask with the group, the flask type and the date.

Watching and recording. Stand the two sets side by side at room temperature, or in an incubator to bring growth on sooner, and look at them every day without moving or tilting them. Students record the clarity of each broth in a table and note the first day a haze, a surface film or a sediment appears.

Tipping the neck. After the S-neck broth has stayed clear for some days, the teacher tilts c
stan the
trapp