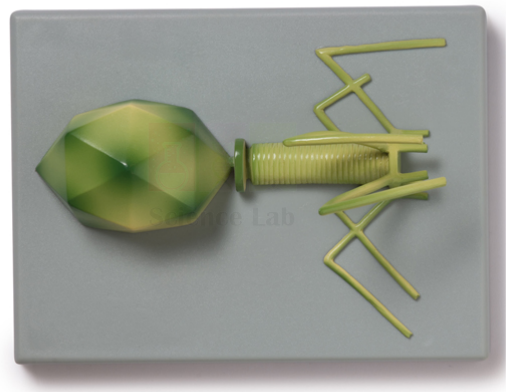
Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Bacteriophage T4 Model

Product Code :

SLE/A/106



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

Description :

The Bacteriophage T4 Model is a one-piece teaching model of the T4 virus, enlarged millions of times and fixed to a durable polymer base. T4 infects the bacterium Escherichia coli, and the model lets a class study the head, tail and tail fibres from every side. A key comes with it for naming the parts.

Bacteriophage T4 Model specifications

Parameter	Detail
Subject	Bacteriophage T4, a virus that attaches to the much larger bacterium Escherichia coli
Scale	Enlarged millions of times
Construction	One piece
Mounting	Durable polymer base
Supplied with	Key
Product code	SLE/A/106
Minimum order	10 units
Dispatch	Usually within 7 to 10 working days
Manufacturer	ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India

Teaching viruses with the T4 phage model

Labelling the infection sequence. Students sketch the model, name its parts from the key and write the stages of the lytic cycle beside the drawing: attachment, injection, copying of viral parts, assembly and release. The Viruses & Bacteria Poster on the wall gives a second reference while they work.

Host and virus. Students view rod-shaped bacteria from the bacteria slide set under a high-power LED microscope, then return to the model. The comparison makes the point that a phage is far smaller than its host and cannot be seen with a light microscope.

Virus versus cell. Set the model beside a prokaryotic cell model and list what the bacterium has that the phage lacks: a cell membrane, cytoplasm, ribosomes and its own metabolism. This answers the frequent mix-up between viruses and bacteria.

What gets injected. Build a strand on the DNA-RNA model to show the genetic material the phage delivers. Then discuss the classic blender experiment, run with a close relative of T4, which showed that DNA and not protein enters the host cell.

Fre del

Wh