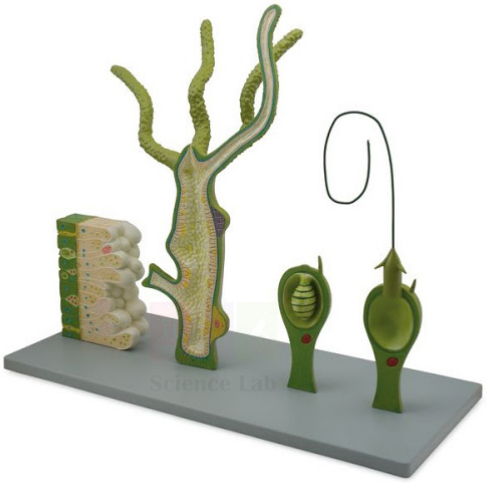
Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Hydra Model

Product Code :

SLE/A/116



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

Description :

This 4-part dissectible model enlarges the freshwater cnidarian Hydra for the type study. Longitudinal and cross-sectional views show the body wall, gut cavity, buds and egg cells. A cross-sectional block at 250x life size brings out the tissue cells and nerve plexus, and a separate cnidoblast is shown armed and triggered. A printed key names 26 structures.

Hydra model specifications

Parameter	Detail
Construction	Dissectible into 4 parts
Size without base	58 x 14 x 59 cm
Mounting	Durable base
Sectional views	Longitudinal and cross-sectional: ectoderm, mesoglea, coelenteron, egg cells, buds, mouth opening
Cross-sectional block	250x life size: nematocysts, sensory and epithelial cells, interstitial structures, nerve plexus
Cnidoblast	Shown separately, armed and triggered
Key	Printed key to all 26 structures
Product code	SLE/A/116
Minimum order	10 units
Dispatch	Usually within 7 to 10 working days
Manufacturer	ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India

Hydra type study with the model and microscope

Slide to model. Students examine a prepared Hydra slide under a 400x LED monocular microscope and draw the outline, tentacles and any bud they can see. They then use the model and its key to label the layers and cells that the slide does not resolve.

Live Hydra and stinging cells. Place a pond-collected Hydra in a drop of water on a cavity slide and watch it under a stereo binocular microscope. Touch a tentacle gently to see the body contract. Then add a drop of dilute vinegar, lay a coverslip over a tentacle and view it at high power on a compound microscope. Compare the fired threads with the armed and triggered cnidoblast.

Comparing body plans. Lay the Hydra beside the Starfish Model and the Comparative Tapeworm Set. Students fill in a table for each animal: number of tissue layer[illegible]us syste[illegible]