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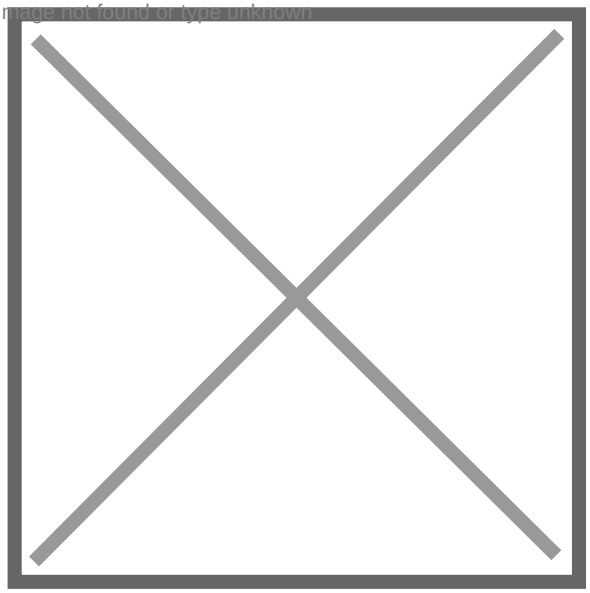
Product Name :

Plasmodium (Life cycle)

Product Code :

SCL482/0207

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Description :

Plasmodium (Life cycle) (Product Code: SCL482/0207) is a laminated wall chart used to teach the life cycle of *Plasmodium*, the single-celled parasite that causes malaria, in school and college biology and health-education classes. Its cycle runs through two very different hosts — thefemale Anopheles mosquito and a human — so the 75 x 100 cm polyart chart helps studentskeep the named stages in order. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Type	Chart
Topic	Plasmodium (malaria parasite) life cycle
Material	Polyart
Size	75 x 100 cm
Finish	Laminated
Use	Schools and laboratories
Product code	SCL482/0207
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Plasmodium Life Cycle Chart Used For?

The lesson usually starts with the mosquito bite: sporozoites injected with the mosquito's saliva travel to the liver, multiply inside liver cells and are released as merozoites that invade red blood cells. Inside the red cells the parasite grows and divides again; when large numbers of infected cells burst together, the released toxins bring on the chills and fever typical of malaria. Some parasites develop instead into gametocytes, which are taken up when another mosquito feeds. Fertilisation takes place in the mosquito's gut, and the resulting stages finally produce new sporozoites that collect in its salivary glands.

Teachers use the chart to ask why the mosquito is called the definitive host and the human the intermediate host, and where in the cycle bed nets, removing stagnant water and medicines each act. Paired with a stained human blood smear viewed under a high-power microscope, it shows students the normal red blood cells the parasite targets, which makes it a natural part of a biology lab setup for school or college health-education teaching.

OEM Manufacturer

ScienceLab is the trading name of **Jain Scientific Equipments Private Limited**, an OEM (original equipment manufacturer) that produces the Plasmodium (Life cycle) chart at its own licens
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