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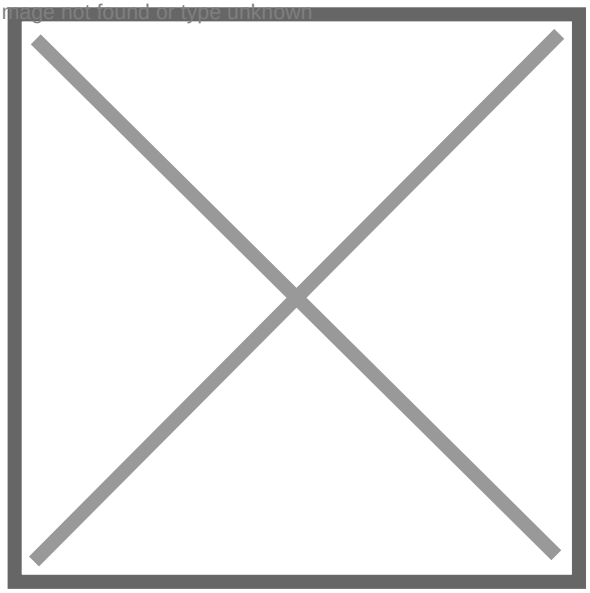
Product Name :

Biomolecules

Product Code :

SCL474/0194

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Description :

Biomolecules is a laminated wall chart that introduces the main classes of molecules in living things: carbohydrates, proteins, lipids and nucleic acids. Printed on a 75x100 cm polyart sheet, it helps senior secondary students link chemical structure with biological function, and it is most useful hung beside the bench where food tests are done.

Biomolecules chart specifications

Parameter	Detail
Type	Chart
Topic	Biomolecules
Classes taught	Carbohydrates, proteins, lipids and nucleic acids
Material	Polyart
Size	75x100 cm
Finish	Laminated
Used in	Schools and laboratories
Product code	SCL474/0194
Minimum order	10 units
Dispatch	Usually within 7 to 10 working days
Manufacturer	ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India

Food tests and practicals beside the Biomolecules chart

One food, four tests. Students grind a food with water and share the liquid among separate tubes. Iodine solution tests one tube for starch, biuret reagent another for protein, and Benedict's reagent, heated in a boiling water bath, a third for reducing sugar. A dry portion of the food goes into the ethanol emulsion test for fat.

A stain for fat. Students shake a few drops of cooking oil with water and a little Sudan III in a test tube. The stained oil gathers as a red layer on top of the water. A drop of milk treated with the same stain shows red fat globules under the microscope.

Where nucleic acids fit. No simple food test detects nucleic acids, so the class extracts DNA from soft fruit with the DNA extraction lab kit and sees the white strands for itself. Students then point to each of the four classes on the chart and name its building blocks.

Frequently Asked Questions About the Biomolecules

Wh

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