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**Product Name :**

Ripple Tank Kit

**Product Code :**

SCL/AG26-117



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## Description :

**Ripple Tank Kit** (Product Code: SCL/AG26-117) is a wave demonstration set used to show reflection, refraction, diffraction and interference of water waves in school and college physics laboratories. Teachers run it on a 600 mm × 500 mm wooden tray with a plate-glass base, driven by a small DC motor on a wave generator bar. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, a physics instruments supplier in India, with its illuminant, rheostat and power supply unit as a complete wave motion kit for schools.

### Specifications

| Parameter | Detail |
|---|---|
| Purpose | Visual demonstration of wave motion: reflection, refraction, diffraction and interference |
| Tray | Wooden, with plate-glass base and detachable legs |
| Tray overall size | 600 mm × 500 mm × 55 mm deep |
| Generator supports | Pair of support rods with integral G clamps attached to the tray sides |
| Wave generator bar | Waxed wood, 330 mm long, with a row of holes; 1.5 to 4.5 V DCelectric motor mounted at the centre |
| Dippers | 2 spherical dippers |
| Barriers (set of 4, metal) | Two straight, 150 mm × 25 mm; one curved, 215 mm chord length × 25 mm high; one short straight, 25 mm × 25 mm |
| Beaches | Set of 4 mesh beaches |
| Accessories (one each) | Water dropper; wooden rod 230 mm × 25 mm dia.; rubber tube 600 mm × 6 mm bore; glass plate 300 × 202 × 4 mm; sponge; Hoffmann clip; support for illuminant; illuminant; rheostat to control motor speed; ripple tank power supply unit |
| Spare | Extra 4.5 V DC motor |
| Documentation | Instruction book |
| Product code | SCL/AG26-117 |
| Supplied by | Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India |

### What Is the Ripple Tank Used For?

A ripple tank turns invisible wave behaviour into patterns a whole class can watch. With a shallow layer of water in the tray and the illuminant above it, light passing through the glass base throws bright and dark wave bands onto a white sheet below. The vibrating bar sends straight wavefronts across the water, while the spherical dippers produce circular ripples; using both dippers together gives a clear interference pattern.

The metal barriers show reflection from flat and curved surfaces and, set with a gap between them
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