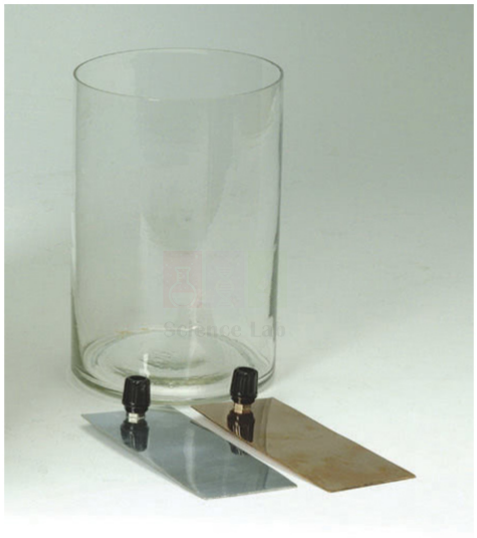
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Product Name :

Simple Cell Kit

Product Code :

SLE/CH/176



Email : sales@scilabexport.com
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Description :

Simple Cell Kit (Product Code: SLE/CH/176) consists of a 150mm high x 100mm diameter glass jar complete with zinc and copper plates, giving students everything needed to assemble a basic voltaic cell and see chemical energy turned into electricity. It is widely used in school chemistry and physics lessons on cells, reactivity and current, and serves as a straightforward electrochemical cell kit for school laboratories. The kit is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala.

Specifications

Parameter	Detail
Container	Glass jar
Jar size	150mm high x 100mm diameter
Electrodes	Zinc plate and copper plate
Purpose	Making simple cells

Typical Use

The teacher half-fills the jar with a suitable electrolyte, and students stand the zinc and copper plates in it so they do not touch. When the plates are joined through a voltmeter or a small bulb, a reading appears because zinc, the more reactive metal, gives up electrons more readily than copper. This single set-up covers several syllabus points at once: the reactivity series, oxidation at one electrode and reduction at the other, and the idea that a cell needs two different conductors in an electrolyte.

Leaving the circuit connected for a few minutes shows the classic weakness of the simple cell. Bubbles collect on the copper plate and the output falls, which introduces polarisation and explains why improved designs such as the Daniell cell were developed. Afterwards, empty the jar, rinse the jar and plates with water and dry them; lightly clean the zinc with fine abrasive paper before the next class so that fresh metal is exposed.

Manufacturer

Jain Scientific Equipments Private Limited produces this kit under its ScienceLab brand in Ambala, Haryana, where the company makes chemistry and physics apparatus for schools, colleges and technical institutes. Find out more on our company profile.

Related Chemistry Lab Equipment

Items that complete the circuit or take the cell topic further:

- Daniell Cell — the improved design students meet after seeing polarisation in the simple cell.
- Digital Voltmeter — for reading the cell's output as it changes.
- Connecting Wire — links the zinc and copper plates to the meter or load.
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View