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Product Name :

Comboplate, Microscience

Product Code :

SLE/CH/111



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Description :

The **Comboplate, Microscience** (Product Code: SLE/CH/111) is a transparent 60-well plate on which students run chemistry, biology and physics experiments with drops of reagent instead of full test tubes. Its 48 small wells behave like “micro test tubes” and its 12 large wells like “micro beakers”, and every well is labelled by a grid reference so results can be recorded precisely. Manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, it is a practical piece of chemistry lab equipment for schools in India that want to run microscale practicals across a whole class.

Specifications

Parameter	Detail
Total wells	60 (two sections)
Small wells	48 wells, volume 0.3 ml each
Large wells	12 wells, volume approx 2.5 ml each
Well identification	Grid reference system
Format	Designed to the dimensions of standard 96-well and 48-well plates; combines features of the 24 and 96 well microplates used in industry, pharmacy, diagnostics and research
Optical properties	Optically clear and completely transparent; allows light to pass for overhead projection
Care	Dishwasher proof; may be used repeatedly
System role	Acts as a base for the ancillary components of the Microscience System
Applications	General microtitration, special procedures, and chemistry, biology and physics education experiments; suitable for a wide range of inorganic uses

Typical Use

A favourite first lesson is acids and bases: a row of small wells receives a drop of indicator, students add acid or alkali drop by drop, and the colour changes are logged against each grid reference. Because the plate is completely transparent, a teacher can place it on an overhead projector and the whole class sees the colours develop at the same time. Microtitrations work the same way, with drops counted instead of burette readings, while the 12 larger wells take reactions that need a little more volume or mixing space, such as displacement reactions or small gas-producing tests.

The plate also serves as the base for other components of the Microscience System, so it pairs naturally with a titration kit for school use in India built around the same approach. After the practical, rinse the wells promptly so residues do not dry on, then wash the plate in a dishwasher and reuse it for the next class. Recording results by grid reference (for example, row and column) helps

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