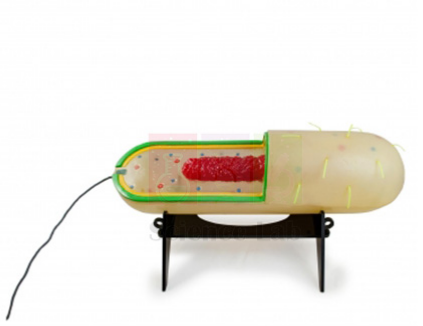
Email : sales@scilabexport.com
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Product Name :

Prokaryotic Cell Model

Product Code :

SLE/ECB/11



Email : sales@scilabexport.com
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Description :

Prokaryotic Cell Model (Product Code: SLE/ECB/11) is an enlarged bacterial-type cell model used to teach prokaryotic cell structure in school biology, college and microbiology courses. Shown at 280,000X and partly cut away, it displays pili and flagella outside and chromosomal DNA, plasmids and ribosomes inside, and the cell lifts off its stand, with key cards supplied. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India, for colleges assembling microbiology lab equipment in India.

Specifications

Parameter	Detail
Magnification	Enlarged 280,000X
Presentation	External cellular structures shown; partially cut away to reveal internal structures
Structures illustrated	Pili, flagella, chromosomal DNA, an inclusion body, plasmids, ribosomes, the cell envelope and the plasma membrane
Mounting	Removable from its stand
Supplied with	Key cards
Size (approx.)	22 in long x 6-1/2 in (56 x 17 x 17 cm)
Weight (approx.)	2.6 kg
Product code	SLE/ECB/11
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Prokaryotic Cell Model Used For?

The model is most useful in the lesson that contrasts prokaryotes with eukaryotes. With the cutaway facing the class, the teacher can show that the chromosomal DNA lies free in the cytoplasm rather than inside a nucleus, point out the small plasmids and the ribosomes, and then turn the model to discuss the cell envelope, the pili used for attachment and the flagella used for movement. Lifting the cell off its stand makes it easy to pass to a group, and the key cards let students check their own identification of each part.

In microbiology courses it gives context before students look at stained bacterial smears, where individual structures are far too small to see. Foundation courses in nursing, pharmacy and life sciences use it to build a clear picture of bacterial anatomy that supports later topics such as antibiotic action and gene transfer through plasmids.

OEM Manufacturer

Jain Scientific Equipments Private Limited operates under the ScienceLab name and is the OEM (origi
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