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Product Name :

Blood Typing Kit, Simulated

Product Code :

SLE/EB/11



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Description :

The Blood Typing Kit, Simulated teaches ABO-Rh blood grouping with artificial blood and sera, so no real blood is used at any stage. Students find the A, B, AB or Ogroup and the Rh factor of each simulated sample, work out possible donors, andthen use the results to settle a paternity question.

Simulated blood typing kit details

Parameter	Detail
Test type	ABO-Rh blood typing, simulated
Blood types covered	A, B, O and AB, plus Rh factor determination
Materials	Artificial blood and sera; no real blood is used
Learning outcomes	Simulated blood typing; identifying possible blood donors; genetic considerations to settle a paternity question
Group size	Individual use or small groups
Construction	Durable, washable materials; dishwasher-safe comboplates
Student material	Worksheets written for students; workbooks and guides ordered separately
Curriculum links	Worksheets can be linked to AQA, IB, OCR, Edexcel, WJEC, SEB, IEB and CIE schemes
Product code	SLE/EB/11
Minimum order	10 units
Dispatch	Usually within 7 to 10 working days
Manufacturer	ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India

Simulated blood typing activities

Typing the unknowns. Begin with the blood cell types model to show the red cells whose surface markers decide a group. Students then put drops of each simulated sample into the wells of a comboplate, add the simulated typing sera as the worksheet directs, and record which wells react to give the ABO group and Rh status.

Building a donor table. Groups pool their typed samples into one class table showing which simulated patients could receive red cells from which donors. The rule to test is that a donor's red cells must not carry an A, B or Rh antigen that the recipient's own cells lack.

Settling a paternity question. Using the groups of a mother, a child and two possible fathers, students write possible genotypes and draw Punnett squares to show who could
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