Electrophoresis Lab Station I

A complete system for introductory agarose gel electrophoresis studies. Now you can economically outfit your classroom with the latest in electrophoresis technology! In addition to a double-gel tank and power supply, you'll also receive a lab investigation to introduce your students to the basic principles of agarose gel electrophoresis; an accurate and highly reliable micropipet; and a highly interactive CD which will allow your students to recreate their investigations in a virtual lab. The Electrophoresis Lab Station I includes: one double-gel electrophoresis chamber, one variable voltage power supply, one agarose gel electrophoresis lab investigation, one fixed volume micropipet, 10 μl, one DNA technology & biotechnology CD-ROM. Accommodates 2 groups of 4 students each.

K-5001-110A (Neo/SCI: 55-1110) $710.00

Electrophoresis Lab Station II

Run up to four gels simultaneously!

Affordably expand your classroom's electrophoresis capacity with twice the hardware and accessories included in Lab Station I. The Electrophoresis Lab Station II includes: two double-gel electrophoresis chambers, one variable voltage power supply, one agarose gel electrophoresis lab investigation, two fixed volume micropipets, 10 μl, one DNA technology & biotechnology CD-ROM. Accommodates 4 groups of 4 students each.

K-5001-120A (Neo/SCI: 55-1120) $995.00

Comprehensive Biotechnology Laboratory System

An affordable way to build your own biotech lab!

Take your electrophoresis studies to the next level. Includes all of the hardware found in Lab Station III plus a white light transluminator and microcentrifuge. The microcentrifuge will allow you to efficiently complete your pre-lab preparation while the transluminator will help you get the most of your results. The Comprehensive Biotechnology Laboratory System includes: three double-gel tanks, one variable voltage power supply, one agarose gel electrophoresis lab investigation, three fixed volume micropipets, 10 μl, one white light transluminator, one microcentrifuge, one DNA Technology & Biotechnology CD-ROM. Accommodates 6 groups of 4 students each.

K-5001-140 (Neo/SCI: 55-1140) $1,845.00

Biotechnology for Young Scientists Lab Investigation

Introduce your students to the basic technique of biotechnology - electrophoresis -with this complete, safe, affordable, & easy-to-use system Use electrophoresis to expose your students to the physical and chemical properties of DNA. This complete system includes a battery-operated electrophoresis chamber featuring pure platinum electrodes. Also included are ready-to-use reagents to isolate DNA from wheat germ, onion, bacteria, or even liver as well as solutions to run and stain the DNA. The investigation also includes a one-of-kind activities book, Biotechnology Projects for Young Scientists, authored by Neo/SCI's own Kenny Rainis and George Nassis, which explores dozens of other projects which can be easily performed with readily available materials.

K-5001-083 (Neo/SCI: 20-1083) $159.50

Understanding Biotechnology Techniques Lab Investigation

Fun and engaging simulated activities to learn about biotechnology. Study the process of electrophoresis, simulating every step without the need for equipment or even any prior knowledge! With this completely reusable kit, students use pop-beads to assemble DNA strands, digest them with restriction enzymes and electrophorese them on a paper gel. In doing so, they'll learn the scientific principles behind electrophoresis, the action of restriction enzymes, the creation of recombinant organisms and the countless applications of this process in biology and medicine.

K-5002-103 (Neo/SCI: 20-2103) $142.00

Phone: 1-800-556-5226 Fax: 1-800-556-8182

Battery-Powered Electrophoresis Tank

Safely separate any size DNA -at a fraction of the cost of other systems! Safely separate any size DNA -at a fraction of the cost of other systems! Introduce your students to a primary, biotechnology technique -electrophoresis -with this safe, easy-to-use, and affordable system. Features leak-free, one-piece molded design; durable, acrylic construction; and pure platinum electrodes for superb conductivity and longevity. Complete hardware system includes casting tray, six-well comb, patch cords and comprehensive teacher's guide. All you need are five, 9V batteries, sold separately. Tank size: 6"L x 3"W x 1 3/4"H.

K-5001-083 (Neo/SCI: 55-1083) $ 92.50 / ea.
K-5001-084 (Neo/SCI: 55-1084) $ 426.00 / 5

Understanding Agarose Gel Electrophoresis Lab Investigation

An introduction to the electrophoretic process

Use specially formulated, multicolored dyes to explore the basic concepts and techniques of one of biotechnology's cutting edge procedures electrophoresis. Your students will learn how electrical charge and molecular size is used to separate the dyes on an agarose gel into an array of colors so brilliant that they can be easily analyzed -even without the use of a stain! They'll use their findings to draw a standard curve of the molecular weights to determine the size of unknown dye fragments separated on the gel.

K-5003-303 (Neo/SCI: 20-3303) $ 68.10

Double-Gel Electrophoresis Apparatus

Run two gels simultaneously!

Leak-free, one-piece molded chamber design features durable, clear acrylic construction and pure platinum electrodes for superior conductivity and longevity. The system includes two casting gel trays, six 12-well forming combs and patch cords. Specially designed casting trays hold melted agarose without the use of tape or snap-on ends. Wells can be formed at the end or the center of the gel. Built-in safety features prevent the student from using the chamber unless the lid is locked in place. Tank size: 7"L x 3 1/2"W x 2 1/2"H. Tray size: 4"L x 3"W.

K-5001-094 (Neo/SCI: 55-1094) $ 255.50

Electrophoresis Tank and Power Supply

Safely separate any size DNA— at a fraction of the cost of other systems!

This safe, easy-to-use electrophoresis tank, features leak-free, one-piece molded design; durable acrylic construction; and pure platinum electrodes for superb conductivity and longevity. The compact power supply, included, provides 200 mA of power output and includes red/black female banana receptacles for easy connection to the electrophoresis tank. Also includes casting tray, six-well comb and patch cords. Tank size: 6"L x 3"W x 1 3/4"H. Tray size: 3 1/2"L x 3"W.

K-5001-070 (Neo/SCI: 55-1070) $ 326.50

DNA Fingerprinting Lab Investigation

Simulate DNA fingerprinting using agarose gel electrophoresis

Explore the latest techniques in identification technology. Your students will use agarose gel electrophoresis to conduct basic DNA fingerprinting exercises. In the process, they'll gain an understanding of the impact of this cutting edge technique on forensics, disease identification and determining familial relationships.

K-5003-343 (Neo/SCI: 20-3343) $ 110.70