

# MolecuLab 101 & 102

## Analysis of Predigested Lambda DNA

**AP Lab 6  
Techniques**



Designed for six teams of students, the entire MolecuLab 101 or 102 can be completed in as few as three 50-minute class periods.

*Results from MolecuLab 102*

MolecuLabs 101 and 102 provide you with all the reagents, supplies, and protocols necessary to have six teams of students separate and visualize DNA samples by agarose gel electrophoresis. Each team of students will receive three tubes containing lambda DNA predigested with

different restriction enzymes, plus one tube containing an undigested control. After electrophoresis, these ready-to-load samples are stained with either ethidium bromide (101) or methylene blue (102). Replacement Biologicals kits for both exercises are available.

### Ordering Information:

**MolecuLab™ 101 (Ethidium Bromide Staining)**  
E1-2001 .....\$110

**Replacement Biologicals, 101**  
E1-2201 (shaded in blue below) .....\$69

**MolecuLab™ 102 (Methylene Blue Staining)**  
E1-2002 .....\$110

**Replacement Biologicals, 102**  
E1-2202 (shaded in blue below) .....\$69

### MolecuLab™ 101 or 102 Includes:

- Dehydrated DNA for gel electrophoresis;  
6 tubes each of Uncut, *Hind* III cut, *Eco*R I cut and *Hind* III/*Eco*R I cut
- 1X gel loading dye
- Agarose powder
- TBE buffer powder
- Ethidium bromide (101 only) stain
- Methylene Blue (102 only) stain
- Ethidium bromide disposal kit (101 only)
- Staining trays
- Gloves
- One CD containing student protocols and instructor's manual



For more information call: **1-800-DNA-FOTO** (800-362-3686) or 262/369-7000 direct dial  
FAX: 262/369-7017 • E-mail: [info@fotodyne.com](mailto:info@fotodyne.com) • Web-site: [www.fotodyne.com](http://www.fotodyne.com)  
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