PRODUCTS & MATERIALS

DNA Quantitation Kit
The Beacon DNA Quantitation Kit contains a fluorescent dye that selectively binds to double-stranded DNA, producing an amplification of fluorescence intensity of the dye. The method allows for the quantitation of double-stranded DNA with minimal detection of single-stranded nucleic acids. The procedure involves generating a standard curve by serially diluting a DNA standard. A best-fit line is then constructed by linear regression and used to determine the DNA concentration of unknown samples. The kit can be used to generate both high (3 to 200 ng) and low (0.098 to 25 ng) DNA standard curves. PanVera. Circle 139.

Antibodies
Antibodies for the study of proteins involved in cell adhesion include antibodies to the catenins (α, β, and γ), E-cadherin, P-cadherin, cadherin-5, cadherin-11, desmoglein, and L1 glycoprotein. The antibodies can be used in protein immunoblotting and immunocytochemistry. Transduction Laboratories. Circle 140.

DNA Sequencer
The ABI PRISM 377 DNA Sequencer produces genetic information four times faster than previous technology for sequencing, linkage, and mapping projects, according to the manufacturer. The new sequencer can collect data at rates of up to 7200 bases per hour, compared with 1800 bases per hour for its predecessor. The sequencer's new user interface streamlines data collection and analysis with fast, efficient gel pouring and handling. The new instrument requires thinner gels and less sample. It accommodates 12-, 36-, and 4-cm well-to-read lengths. By adjusting speed in combination with gel length and resolution, users can optimize performance to match their DNA sequenc-
maximum recovery method. The 5-min method is a fast, one-step procedure involving a 5-min spin at 5000g. The only equipment required is a variable-speed microcentrifuge. The method is best for recovery of small fragments (<2.0 kbp). The maximum recovery method involves freezing, thawing, and maceration of the gel slice combined with a single spin, which gives a greater recovery of both small and large DNA fragments. Millipore. Circle 144.

Cloning Software
Vector NTI is knowledge-based software designed to automate many cloning applications. It is capable of designing new genetic molecules automatically, making use of the user's specifications for the desired molecule. The software contains more than 3000 rules for genetic engineering designing. The new version includes a database of 80 commonly used vectors and permits transferring changes to molecules in child-parent trees and visualization of those changes. Additional features include a more powerful sequencer and the ability to choose any number of best options for new molecule design.

All molecules can be analyzed to identify sequences for polymerase chain reaction primers, restriction sites, open reading frames, and sequence motifs. Versions are available for Windows and Macintosh systems. InforMax and American Type Culture Collection. Circle 145.

Literature

1995 Product Catalog of Microbiology contains more than 2300 product descriptions, including dehydrated culture media for molecular genetics, a blood culturing system, and a system for mycobacterial growth and detection. Difco Laboratories. Circle 147.

Gibco BRL Baculovirus Expression Products details the features and advantages of this line. Life Technologies. Circle 149.

Viable Colostrum Based Medium Supplement is an eight-page brochure on an alternative to fetal bovine serum with advantages that include low bovine protein content, minimal variation between batches, low endotoxin content, no harmful viruses, low viscosity, and low fat content. Accurate Chemical and Scientific. Circle 150.