Nucleic Acid and Protein Isolation Reagent
TRI Reagent is an improved version of a single-step method of total RNA isolation from samples of human, animal, plant, yeast, bacterial, and viral origin. It offers simultaneous isolation of RNA, DNA, and proteins from a single biological sample. RNA is isolated in less than 1 hour; DNA and proteins in 3 hours. Molecular Research Center. Circle 138.

Gel Plate Treatment
GelRepel coating system eases removal of polyacrylamide gels from glass plates. GelRepel is a patented system of catalyst-activated isomeric polymers solubilized in alcohol. The system forms a hydrophobic monomolecular coating that is chemically and physically bonded to the glass to make the surface virtually nonwettable. The user simply wipes GelRepel onto the plates, and the coating lasts for hundreds of runs. GelRepel is nontoxic and biodegradable. Aardvark Science. Circle 139.

Monoclonal Antibodies
The AntiFLAG BioM2 monoclonal antibody (mAb) is a biotinylated version of the Anti-FLAG M2 mAb. It can be detected by streptavidin- or avidin-conjugated enzymes. Eastman Kodak. Circle 140.

CD1a mAb performs in fixed, paraffin-embedded tissue sections. In normal cells, it reacts with cortical thymocytes, Langerhans' cells, and interdigitating reticulum cells. It also reacts with thymomas, Langerhans' histiocytosis cells, some T cell lymphomas, and leukemias. Immunotech. Circle 141.

Two new mouse mAbs detect estrogen receptor on cryostat sections and formalin-fixed, paraffin-embedded tissue sections, enabling work to be performed on archive material. Serotec. Circle 142.

PCR Detection System
The TaqMan LS-50B PCR Detection System is designed to make polymerase chain reaction (PCR) a routine assay for quantitative sequence detection. Unlike gel-based approaches, the system makes use of a 5' nuclease assay incorporated into the TaqMan

With FACE®, as soon as bands appear you know it's carbohydrate.
FACE (Fluorophore Assisted Carbohydrate Electrophoresis) gives you fast, reliable, and visual proof that carbohydrate is there.

- GLYKO'S FACE TECHNOLOGY uses a familiar and highly reliable technique—polyacrylamide gel electrophoresis—to separate complex carbohydrates, and gives you results you can actually see.
- FACE CHEMISTRY KITS come in easy-to-follow, color-coded packaging and include everything you need to perform carbohydrate profiling or composition experiments.
- FACE RECOMBINANT GLYOSIDASES (the most complete line available anywhere) make it possible to sequence oligosaccharides right in your own lab—no matter what separation technique you employ.
- FACE IMAGER AND ANALYTIC SOFTWARE provide a quick, reliable way to analyze, quantify, and document N-linked and O-linked oligosaccharide profiling gel results.
- TO LEARN MORE about Glyko products, custom services, and international distributors, call toll free U.S. only: 1 800 33 GLYKO (334 5956), phone: 1 415 382 6653, fax: 1 415 382 7889, or write to us at 81 Digital Drive, Novato, California 94949.
PCR Reagent Kit. The kit includes PCR primers and a fluorogenic probe that emits fluorescence only if the target sequence is amplified. After the samples and reagents are pipetted into reaction tubes, the tubes are sealed and transferred to the thermal cycler for amplification. A sequence-specific signal is generated in solution during PCR. After PCR, the products are transferred to 96-well plates for detection by a luminescence spectrophotometer. The simplicity of the process significantly reduces the chance of laboratory contamination by DNA and reduces the quantitative detection of sequences to a fast, reliable format. Perkin-Elmer. Circle 143.

- Double-Stranded Plasmid DNA
A rapid plasmid preparation kit is designed to purify up to 200 µg of double-stranded plasmid DNA. The Hybaid Recovery Plasmid Midi Prep Kit generates DNA suitable for all uses, including automated fluorescent sequencing and transfection, without the need for hazardous reagents such as phenol and chloroform. Once the culture has been spun down, cells are suspended in 500 µl of water and transferred to the supplied micro-centrifuge tube for lysis. DNA extraction from the lysed cells takes place using a silica matrix binding buffer and a spin filter. Hybaid. Circle 144.

- Fusion Protein Purification Kit
The Fusion Protein Purification Kit allows purification of the fusion protein both from its fusion partner and the cleaving protease. Previous kits produced samples contaminated with either the protease or the fusion partner. Applications for the new kit include the purification of cloned proteins, protein expression studies, protein purification and characterization, sequence analysis of proteins and peptides, and synthesis of peptide hormones. Boehringer Mannheim. Circle 145.

- Immune System Response Assay
The FastImmune assay system is for assessing immune function of lymphocyte populations in whole blood. The assay directly assesses individual T-lymphocyte subset responses to a wide variety of physiological and nonphysiological stimuli in under 5 hours. Traditional bulk population assays can take up to 10 days and provide limited information. The system consists of two- and three-color reagents, isotype and activation controls, and a rapid, no-wash procedure. Becton Dickinson Immunocytochemistry Systems. Circle 146.

- Nitric Oxide Analyzer
The 270B Nitric Oxide (NO) Analyzer is based on the chemiluminescent reaction of NO with ozone. The rapid, sensitive method measures trace levels of NO in both liquid and gas samples. In liquid samples such as tissue perfusates, cell cultures, and plasma, NO, nitrite, and nitrate can be measured through a unique purge system. The 270B can also be used for measuring NO in expired breath because the gas phase response time is 250 ms. The detection limit is 1 pmol for liquids and 5 ppb for gases with a linear response over four orders of magnitude. Sievers Instruments. Circle 147.

- Literature

Mass Standards Handbook is a weighing reference publication that clarifies the application, classification, and physical characteristics of precision weights and mass standards. Troemner. Circle 149.

cDNA Synthesis and Cloning is a manual with protocols for every aspect of complementary DNA (cDNA) library construction. It includes an overview, procedures, and troubleshooting guide for RNA isolation, cDNA synthesis, and the cloning of cDNA libraries. Pharmacia Biotech. Circle 150.