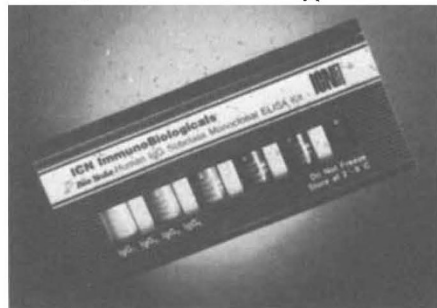


# From cell motility to flow cytometry

*This week a scattering of research products encompasses both the unusual and the pragmatic.*

In what may be a coup for the company, ICN ImmunoBiologicals has delivered a **monoclonal ELISA kit** that types the four

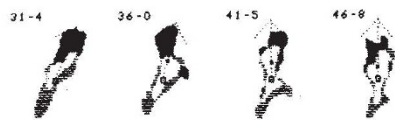


*Fine distinctions from monoclonal methods.*

subclasses of human IgG (Reader Service No. 100). Intended for research use only, ICN's \$395 (US) kit could give a boost to studies of immunodeficiency diseases, chronic respiratory infections and allergic reactions. The kit uses control serum calibrated to World Health Organization reference preparation 67/97, and provides results in one day.

A digital **delay/pulse generator** with resolution to 5 million millionths of a second can tackle even the most demanding applications, according to Lambda Photometrics (Reader Service No. 101). The DG535 generator has the sort of accuracy normally associated with a laser; each of the DG535's four delay channels has a 1000 s range and a 5 ps resolution. With an internal trigger that operates in either single-shot or burst modes, the generator is programmable from 0.001 Hz to 1 MHz. Lambda sells its generator for £2,550 in the United Kingdom.

If manual methods for tracking cell movement are getting a bit tiresome, the CellTrak system from Motion Analysis could offer a way out (Reader Service No.



*Shaped dynamics, described by CellTrak*

102). The company coupled IBM PC/AT capabilities with its VP110 video processor to create a **motility analysis package** that, it says, can yield results in 10 to 20 minutes. Automated from data capture to display, CellTrak analysis has the flexibility to describe motion in terms of speed, direction, angular velocities and other parameters. The company's system, priced at approximately \$35,000 (US), can follow both bacterial and mammalian cell movement.

Ortho Diagnostic is handing out **advice on flow cytometry** via its new Applications Support Laboratory (Reader Service No. 103). Ortho's service includes a free telephone consultation line to answer questions on the method, its reagents and applications. Enrolling in the laboratory also nets the user a set of 28 protocols for flow cytometry, with privileges to whatever future applications are published in the series.

Omni Biochem has just released a catalogue that details its manufacturing services and 2,000 **products for biotechnology** and genetic engineering research (Reader Service No. 104). Among the catalogue's pages are descriptions of Omni's custom peptide synthesis service and a variety of biologically active peptides, enzyme substrates and inhibitors and L- and D-amino

**OMNI  
BIOCHEM**

Biologically Active Peptides  
Omni Beads™ Functionalized Polymers  
Amino Acids  
Special Amino Acids and Intermediates  
Enzyme Substrates and Inhibitors

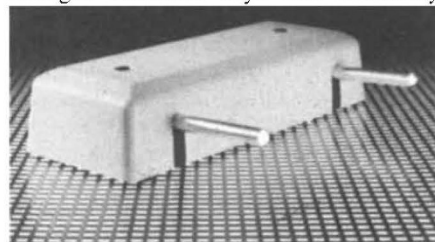


*A catalogue airs the wares of Omni Biochem.*

acids and their derivatives. Omni also offers more than 100 special amino acids, resins and purified reagents and solvents.

A new process for preparing microorganisms could make **reconstituting bacterial cultures** as easy as mixing instant oatmeal (Reader Service No. 105). The American Type Culture Collection has just begun selling freeze-dried Uniplus cultures that come ready-made with the appropriate growth medium. All that's required to establish a growing broth culture is sterile water and incubation; subculturing is not necessary. Each Uniplus culture, which has a reconstituted volume of 5 ml, costs \$12 (US).

Able to process up to 7.5 l of water per minute, the Fistream UV sterilizer keeps **water purification** rolling (Reader Service No. 106). The UV source Fistream uses in its sterilizer will treat water coming straight from the mains supply or out of storage. Fistream says this flexibility



*UV disinfection without delay.*

makes the sterilizer ideal for removing microorganisms from a recirculating system or for ensuring sterility after distillation or deionization. □

*These notes are compiled by Karen Wright from information provided by the manufacturers. To obtain further details about these products, use the reader service card bound inside the journal. Prices quoted are sometimes nominal and apply only within the country indicated.*

## ADVERTISEMENTS

### LIPID PRODUCTS

**top quality lipids for biomedical research**  
17 years experience supplying lipids to top research laboratories throughout the world

For free catalogue contact:  
**Lipid Products, Nutfield Nurseries**  
South Nutfield, Redhill  
Surrey RH1 5PG, UK  
Tel: (073 782) 3277

Reader Service No.19

### SINGER INSTRUMENTS SINGER INSTRUMENTS MICROMANIPULATORS & ACCESSORIES YEAST? TETRAD ANALYSIS?



Singer MK III Micromanipulator  
and Precision Elevator.

Write direct to:  
**Singer Instrument Co. Ltd.**  
Treborough Lodge  
Roadwater, Watchet  
Somerset TA23 0QL  
England. Tel. (0984) 40226  
Telex: 337492 Comcab G

Reader Service No.50

### RAW SERUM SPECIALISTS

High Quality  
Serum for Cell Culture  
— Vaccine Production —  
Biotechnological Applications

- \* Foetal Calf Serum
- \* Newborn Calf Serum
- \* Donor Calf and Horse Serum
- \* U.K.—New Zealand—Australian Sources



**MEDICAL & VETERINARY  
SUPPLIES LIMITED**

Botolph Claydon,  
Buckingham MK18 2LR  
Tel No: (029 671) 4555

Reader Service No.9