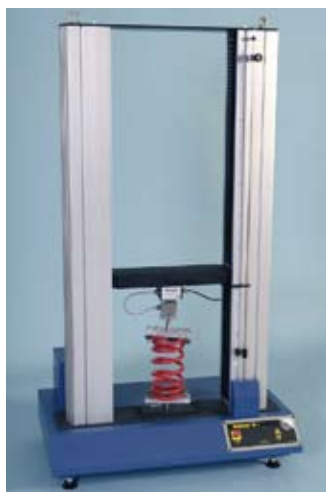


## Tension and compression testing software



Mecmesin Emperor software for tension and compression testing has been designed for use in quality control laboratories where the mechanical properties of manufactured products need to be assessed on a routine basis.

The software controls MultiTest-i test stands and users can create test programs via computer. Intelligent loadcells mounted on the MultiTest-i test frame download test data synchronously at a rate of up to 2000 times/s, directly to a PC via the serial port, ensuring high accuracy of testing particularly where peak loads are being recorded.

There are two modules within the software: the force gauge emulator, a virtual instrument console which enables specimens to be tested at fixed speed - the maximum tensile and compressive loads sustained are displayed, and a simple test report is printed. Test data can be graphically interrogated, replayed, assessed against pass/fail criteria, compiled into batch reports, and exported to other software.

### SI Instruments

Contact info and more items like this at [wf.net.au/E894](http://wf.net.au/E894)

## Vacuum tubing

Tygon Laboratory Tubing handles most inorganic chemicals in laboratories and is claimed to be the most consistently reliable tubing for the transfer of liquids and gases.

Non-oxidising, non-contaminating, long-lasting and crack-resistant, the tubing is specially formulated to resist flex fatigue and abrasion and is less permeable than rubber tubing.

It features heavy walls that are claimed to withstand a full vacuum at room temperature (759 mm of mercury at 23°C and up to 686 mm of mercury at 60°C). Coils are marked at 1-foot intervals for easy measuring.

A full range of additional grades of Tygon tubing is also available.

### Lomb Scientific (Aust) Pty Ltd

Contact info and more items like this at [wf.net.au/D151](http://wf.net.au/D151)



**Kartell Labware division**

Kartell Labware Division, established at the end of the 1950s, uses raw materials such as Polypropylene, Polystyrene and Polycarbonate to advance laboratory plastics as natural alternatives to glass due to their light weight, high resistance and affordability.

Through its efficient production system together with the most modern technologies Kartell was granted ISO 9001 certification in 1996, acknowledging quality management systems that manufacture products to the highest standards.

For over 50 years the Kartell name has been synonymous with quality. Kartell plantilab®, dispolab®, liquid handling, and technoKartell® families set the standard worldwide and Kartell are always looking for new products, materials, and production techniques to meet customer demands.

[www.kartell.com.au](http://www.kartell.com.au)  
Distributors in every State in Australia

## Micropumps



Bio-Chem Fluidics' full line of micropumps delivers precise fluid volumes for analytical and chromatography equipment manufacturers, medical and IVD instrumentation, biotechnology and research scientists.

BCF solenoid-operated micropumps have accurate, discrete dispense volumes from 4 to 250  $\mu\text{L}$  to make certain that downstream instruments receive an accurate volume of liquid. Pumps with dispense volumes of 20  $\mu\text{L}$  and larger are self-priming and don't require a separate priming cycle.

All of the pumps' wetted parts are constructed from nonmetallic, inert materials for zero metallic contamination to the fluid stream passing through the pump. BCF micropumps are capable of continuous duty operation with a high degree of repeatability.

Users can customise their pump order by specifying the construction materials, operating voltages and dispense volumes that fit their application. BCF micropumps' activation mechanism is rated up to 20 million cycles to ensure each pump has a long service life.

### Victoria Fittings & Valves Pty Ltd

Contact info and more items like this at [wf.net.au/E899](http://wf.net.au/E899)

## Determination of sulfate and sulfamate

Dionex announces a new method for determination of sulfate and sulfamate in a pharmaceutical preparation using ion chromatography. Application Note 238: 'Determination of sulfate and sulfamate in topiramate using a reagent-free ion chromatography system', describes a method that uses a reagent-free ion chromatography system with the IonPac AS11 column and suppressed conductivity detection for the determination of sulfate and sulfamate in Topiramate.

Topiramate is a second-generation anti-epileptic drug used for the treatment of seizures and migraines. At elevated temperatures and humidity, the active pharmaceutical ingredient can degrade to produce organic degradation products insoluble polymeric products, and the inorganic anions sulfamate and sulfate.

Determination of sulfate and sulfamate (the inorganic degradation products) can be used to monitor and confirm topiramate degradation.

The method described in AN 238 demonstrates good linearity, precision and accuracy for determining these inorganic degradation by-products.

This method also provides a simpler approach than the current and proposed USP methods for analysis of this drug product.

### Dionex Pty Ltd

Contact info and more items like this at [wf.net.au/E789](http://wf.net.au/E789)