



### 5 mL prepacked columns for protein purification

Pall Corporation has launched 5 mL PRC prepacked chromatography columns to deliver faster and more consistent protein purification processing. The PRC prepacked columns for ion exchange and mixed-mode chromatography lower processing costs and save laboratory time by reducing inconsistencies associated with manually packed columns.

PRC columns are available in a wide range of separation media to support applications including native and recombinant proteins, plasmids, vaccines, monoclonal and polyclonal antibodies, and plasma derivatives.

The ready-to-use columns provide a direct connect to existing lab-scale chromatography systems. The columns are efficient (greater than or equal to 2500 plates/m) and their performance remains consistent throughout a process.

Pall 5 mL PRC columns are available prepacked with Q and S HyperCel ion exchange chemistries which feature very good flow properties and high dynamic binding capacity at short residence time. The columns also support the selectivities of Pall's MEP, HEA and PPA HyperCel mixed-mode sorbents.

The 5 mL PRC columns are the latest additions to a line that includes 1 mL prepacked columns. These development-scale columns provide rapid selectivity screening of the desired chemistry. Simple optimisation can be achieved by coupling two columns in series to replicate production-process typical bed heights. Additional scale-up can be achieved with minimal re-optimisation by packing Pall LRC empty glass columns.

**Pall (Australia) Pty Ltd**

Contact info and more items like this at [wf.net.au/D266](http://wf.net.au/D266)



### Fixed volume micro pipettes



Kartell has released the Labofix fixed volume micropipette range which includes 10 models with a choice of volume range from 5 to 1000 µL.

The liquid handling devices are completely autoclavable and suitable for the end users in the fields of molecular biology, microbiology, immunology, cell culture, analytical chemistry, biochemistry, genetics etc.

The CE-marked pipettes are light and have an ergonomic design. A streamlined tip ejector facilitates easy tip ejection and access to narrow-necked bottles and tubes.

A calibration report according to ISO8655 Standards is included with each pipette.

The accurate and precise pipettes are constructed of fully autoclavable plastic combined with stainless steel piston.

**Sieper & Co Pty Ltd**

Contact info and more items like this at [wf.net.au/D395](http://wf.net.au/D395)

### Genomic analysis tools

Applied Biosystems has released genomic analysis tools that will help researchers in studies that associate genetic variation with specific diseases. These tools, known as the MeltDoctor High-Resolution Melt (HRM) Reagents, are for research use only and are part of a PCR-based workflow.

The MeltDoctor HRM Reagents facilitate high resolution melt, or HRM analysis, which is a powerful technique for the detection of mutations, polymorphisms and epigenetic differences in double-stranded DNA samples. These tools, including software, are part of an HRM analysis workflow optimised for Applied Biosystems real-time PCR systems that is simple to perform, requiring minimal quantities of both sample and reagent to capture a significantly greater amount of detail and information for variant types, without the complexity and expense of other methods.

**Applied Biosystems Pty Ltd**

Contact info and more items like this at [wf.net.au/C165](http://wf.net.au/C165)

### Cell line

Potelligent CHOK1SV, a host cell line for manufacturing recombinant antibodies, combines BioWa's glycosylation Potelligent technology with Lonza's GS Gene Expression System and CHOK1SV.

The cell line retains the features of a high-productivity cell line (robust, high-yielding, scalable) and the bioprocess platform for CHOK1SV is repeatable in the new cell line.

Antibodies produced by the new cell line: exhibit enhanced antibody dependent cellular cytotoxicity (ADCC) even with the low-ADCC allotype of CD16, overcoming CD16 polymorphism; can exert potent cytotoxic effects when their target antigen is low; work in whole blood; and retain required features of antibodies, such as Protein A binding.

**Lonza Australia Pty Ltd**

Contact info and more items like this at [wf.net.au/C801](http://wf.net.au/C801)

### Multi-sample homogeniser

The Omni Prep multi-sample homogeniser negates the need to hold a motor, watch the clock, clean probes or be concerned about sample loss or cross-contamination.

Its features include: high-throughput; processing of six samples per cycle; processing of up to 250 samples per hour; works exclusively with Omni Tip plastic probes; brushless motor for ultra-quiet operation; vertical oscillating rack enables efficient processing; variable speed up to 30,000 rpm; programmable speed and time; clear door to contain aerosols; optional ice tray; reduced maintenance; eliminates homogenising 'bottleneck'.

**Lomb Scientific (Aust) Pty Ltd**

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### PCR accessories

Integrated Sciences is now distributing 4titude consumables for the life sciences industry. 4titude has already established a substantial customer base in Australia with its full range of PCR tubes, strips, heat sealers, adhesive and heat seals.

Other products available include Hardshell 96-well PCR plates that are compatible with ABI FastBlocks, Hardshell 96- and 384-well PCR plates compatible with Roche LC480 and a semi-automatic thermal sealer that is compatible with a wide range of seals and plates of differing designs and heights.

**Integrated Sciences Pty Ltd**

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