

Automated nucleic acid extraction and purification system

MagCore HF48 is an automated nucleic acid extraction and purification system with consistent and stable simultaneous processing of up to 48 samples of DNA/RNA. It provides fast, cost-effective, automatic extraction and purification of nucleic acids from a diverse range of sample types including whole blood (200/400 μ L), viral nucleic acid (DNA/RNA), tissue genomic DNA, a plant genomic DNA bacteria kit and total RNA kit.

The product offers simple preprogrammed protocols and magnetic bead-based reagent cartridges for consistent and stable nucleic acid purification. It provides fast (around 30 min), efficient and cross-contamination-free isolation of various DNA/RNA samples using robotic pipetting and disposable accessories. With a high processing capacity and built-in UV sterilisation, the unit offers efficiency and ease of use.

Scientex Pty Ltd

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Vacuum desiccators

The Kartell range of filtration and vacuum products includes a series of vacuum desiccators.

The implosion-proof desiccators feature a polypropylene base and a transparent polycarbonate cover to allow for unobstructed monitoring of the contents. They are available in three sizes: 2.15, 4.35 and 9.20 L.

To use the product, remove the polycarbonate cover and insert samples in the removable pan. Spread a small amount of grease on the O-ring to assist initial vacuum, and replace the cover. Open the vacuum retention valve (PE needle) and connect the tube of the pump to the desiccator spigot to create a vacuum. Close the vacuum retention valve. Once the initial vacuum is created, the desiccator will hold a vacuum of -740 mm/Hg with loss not exceeding 20 mm/Hg in 24 h (absolute zero: -760 mm/HG).

The vacuum release tap on the non-return valve assembly includes a specially grooved stopper. When required, this assembly allows air to be readmitted very slowly to avoid disturbing the contents of the desiccator. Desiccator plates are available as optional extras for use with the vacuum desiccators. The polypropylene plates are useful as a support for crucibles, petri dishes etc, and are designed for use at room temperature.

Sieper & Co Pty Ltd

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BOC will be exhibiting at the 2013 *Laboratory Management & Design Conference*. Please visit us at stand 28.

Visit our microsite — precisionmatters.com.au

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