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Microscopic imaging under the sea

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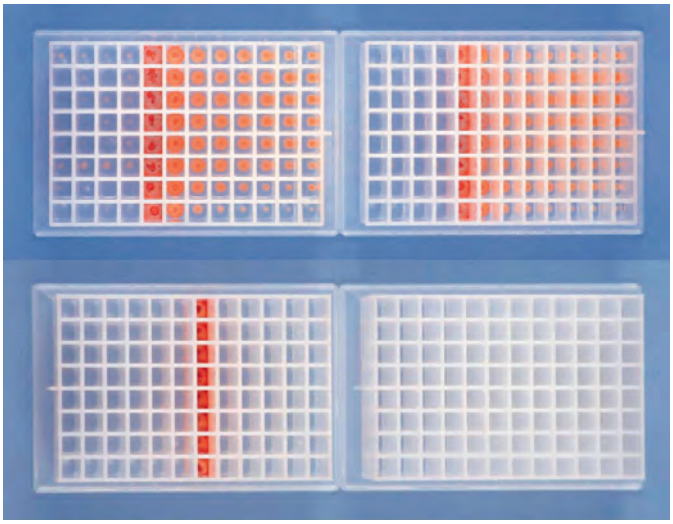

Evaporation technology

Genevac's Dri-Pure technology, available on Series 3 HT, EZ-2 and Rocket Synergy evaporators, enables scientists to rapidly dry their samples without foaming, cross-contamination or loss of sample due to solvent bumping.

The technology works by reducing pressure in the evaporation chamber in combination with an increase in rotor speed to achieve greater g-force and carefully controlling heat flow to the sample during the pressure ramping stage. Embedded in the company's evaporator software and hardware, it works automatically without need for user intervention, eliminating solvent bumping or foaming and enabling controlled 'sample safe' solvent removal in the minimum time.

The technology has been shown to eliminate cross-contamination during parallel evaporation in EZ-2 and HT evaporators. Used on the Rocket Synergy evaporator, it has been more recently demonstrated to prevent foaming often seen in batch evaporation of large volumes such as are generated by natural product extractions.

Combining Dri-Pure with the auto-stop-when-dry capability, Genevac evaporators offer unattended evaporation, enabling scientists to perform other tasks while confident that their samples will be dried without cross-contamination or thermal damage.

Scitek Australia Pty Ltd
www.scitek.com.au

Inverted routine microscope

The Eclipse Ts2 from Nikon is an entry-level inverted microscope with enhanced functionality and ease of use. Its compact design saves valuable space in the laboratory and fits easily inside tissue culture hoods.

Controls are positioned intuitively on the microscope body for easy access. Accessories such as the contrast shield allow users to observe fluorescent samples even in bright laboratory environments.

LED-based diascopic and epi-fluorescence illumination enhances the efficiency and consistency of routine microscopy by eliminating the need for lamp alignment and long warm-up times. The Emboss Contrast technique enables users to easily observe samples on either plastic or glass substrates with high contrast, without requiring optical components.

Coherent Scientific Pty Ltd
www.coherent.com.au

Anaerobic workstations

Ruskinn Bugbox anaerobic workstations are designed specifically to help microbiologists cope with rising workloads and provide good primary isolation rates. The product enables users to read plates easily without exposing them to oxygen.

With quick and easy access via the Ezee Sleeve gloveless port system and energy-saving lighting that provides good illumination, the workstation is easy to use. Its compact size meets the needs of even small laboratory spaces. Adjustable temperature and humidity provides a precisely controlled environment that is optimal for cell growth, with no dry spots.

LAF Technologies Pty Ltd
www.laftech.com.au