CYCLONE™

Automated Liquid Sample Processor for Testing of Raw Materials, Semi-Finished and Finished Products

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The CYCLONE™ Advantage

THE CYCLONE™ IS A FULLY AUTOMATED INSTRUMENT FOR POUR PLATING, SPIRAL PLATING, AND SPREADING LIQUIFIED SAMPLES FOR THE FOOD SAFETY INDUSTRY. This flexible platform allows for the customization of all aspects of the plating protocol including, sample container type, inoculation volumes, sample mixing, dilution set and agar type(s). Protocol selection can utilize bi-directional communication with any LIMS system to automatically identify the sample, determine protocol settings, and report sample status. The system is capable of managing a high throughput of sample dilutions and can handle multiple molten agars simultaneously.

The CYCLONE™ is compatible with **Smart Incubation and Imaging Modules** for complete plate incubation management, optimizing growth conditions for faster resulting. Built-in imaging and software provide a platform for **Digital Microbiology** and the use of **Artificial Intelligence** to automatically perform colony counts and detect the presence or absence of target pathogens, such as *Salmonella*, *Listeria*, or *E.coli*.

THE CYCLONE™ is ideal for laboratories wanting to increase their accuracy, reproducibility and productivity, while also decreasing operational costs with labor savings, by moving away from expensive film-based agars.

MAXIMIZE LABORATORY EFFICIENCY
Requires minimal intervention for sample processing reducing repetitive stress injuries and freeing staff to perform more complex laboratory tasks.

MAINTAIN COMPLETE TRACEABILITY
Maintain full traceability of a sample's journey with sample management software that integrates with any LIMS system.

REDUCE OPERATIONAL COSTS
Open platform allows clients to use petri dishes and agar from any supplier for the most competitively priced materials that are significantly more cost effective than utilizing agar films.

UTILIZE MODULAR DESIGN
A wide range of modules allows for easy adoption and ensures that the system will adapt to laboratory workflow and needs as they change.

SAMPLING	DILUTION	PLATING	IMAGING