



ADVANCED AND EFFICIENT CLEANING

To reliably achieve the required LOQs in Li-ion battery analysis, the cleaning process plays a critical role. Cleaning glassware, digestion vessels, and other labware directly impacts data quality and blank values, influencing confidence in the data. However, traditional cleaning methods are often tedious, risky, and time-consuming. Milestone's traceCLEAN acid steam cleaning process ensures efficient, contamination-free cleaning, leading to lower blanks and improved detection limits, all while maintaining throughput and enhancing safety.



SUPERIOR CLEANING EFFICIENCY

FULLY AUTOMATED & SAFE

IMPROVED WORKFLOW

SUITABLE FOR MANY COMPONENTS

MAXIMIZED CLEANING EFFICIENCY FOR HIGHER PRODUCTIVITY

|| SUPERIOR CLEANING EFFICIENCY

Traditional cleaning methods involving acid baths or soaks are not only time-consuming but also occupy valuable fume hood space and consume high volumes of acid. In contrast, the traceCLEAN process employs freshly distilled hot vapors of nitric acid to efficiently leach metal contaminants from items to be cleaned, ensuring superior cleaning efficiency.

|| IMPROVED WORKFLOW

Using a microwave system for cleaning digestion vessels can create unnecessary bottlenecks and labor-intensive processes. The automated cleaning process with traceCLEAN takes just one to two hours, enhancing overall lab workflow. It can clean various items, including digestion vessels, ICP accessories, and volumetric flasks, multiple times throughout the day.

|| FULLY AUTOMATED & SAFE

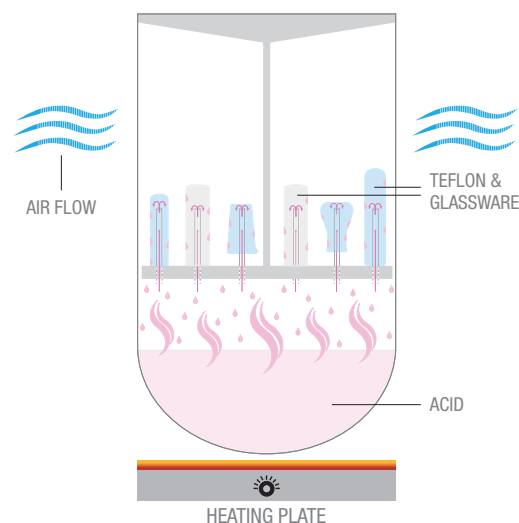
traceCLEAN operation is straightforward and safe, with a rotating holder design simplifying item introduction and removal. Selecting a program or creating a new one is easy, and operator exposure to acid is limited while acid baths are completely eliminated.

|| FLEXIBLE TO MEET ALL YOUR NEEDS

traceCLEAN offers multiple configurations to clean various nitric acid-compatible labware commonly used in elemental analysis of Li-ion batteries, providing flexibility to meet diverse cleaning requirements.

|| SIMPLE TO MAINTAIN AND USE

Operating with approximately 700 mL of reagent-grade nitric acid, traceCLEAN generates high-purity acid steam for cleaning, which condenses and can be reused for approximately three months before replacement. Acid replacement is automated, ensuring simplicity and efficiency in maintenance.



traceCLEAN, automatic acid steam cleaning scheme

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