

November 6, 2024 (14:45-15:30)



VENDOR SEMINAR:

SamplePrep - improved analysis of organic pollutants in food products (pesticide residues) sample preparation by optimising bulk sample comminution alongside automated residue extraction equipment

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Often overlooked the sample preparation step of any analytical method remains one of the most critical parts for achieving 'good' analytical results. We view good analytical results as those which demonstrate both accuracy and precision. Following the global use of the Cole-Parmer Geno/Grinder 2010 for the extraction and clean up step of QuEChERS, Cole-Parmer has gone on to develop a unique and versatile cryogenic bulk homogenizer called the Cryo-Blade.

The Cryo-Blade is an ultra high-capacity cryogenic grinder for comminution and processing capability up to 1 kg. The homogeneity of the sample is very efficient. Only 1 g is needed as a representative test sample from a 1 kg ground batch. The high-throughput capability saves valuable time for your laboratory and meets Food and Drug Administration (FDA) regulations. The Cryo-Blade automatically dispenses liquid nitrogen to allow the sample to reach cryogenic temperatures and then activates a grinding phase to pulverize samples, resulting in repeatable and reproducible sample preparation. No liquid nitrogen handling required. When liquid nitrogen is not desired or available, the unit can be used with dry ice to achieve desired results.