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VENDOR WEBINAR:

A Novel Workflow to Determine over 1000 Pesticide Residues in Compliance with SANTE 12682/2019 Guidelines in Various Food Matrices

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In Europe, pesticide testing laboratories adhere to the SANTE 12682/2019 guidelines pertaining to the maximum residue level (MRL) legally permitted in or on food or animal feed. Ensuring that foods are free of pesticide residue contamination can involve multiple analytical approaches and heavy technician workloads. Both lead to high operating costs and slow turnaround times. We present a comprehensive, joint LC-MS and GC-MS workflow for the simultaneous quantitation of >1000 pesticide residues in fruits and cereals of varying water and fat content. Details of sample preparation procedures and instrumentation set up will be discussed in conjunction with the data analysis parameters enabling the quantification and confirmation of pesticide residues according to the SANTE 12682/2019 guidelines.