



Introducing iWave for MARS 6: The New Standard in Microwave Digestion Temperature Measurement

Matthews, North Carolina (August 23, 2016) - CEM Corporation, the leading supplier of microwave acid digestion systems is pleased to introduce iWave™, the latest breakthrough in sample preparation. iWave is a novel contactless *in-situ* temperature technology that will forever change the way microwave acid digestion is done. iWave utilizes Light Emitting Technology™ (LET), that measures the temperature of the actual sample, not the outer surface of the vessel. For the last 25 years, the fiber optic probe has been considered the gold standard for temperature measurement in microwave acid digestion. Now, iWave has the accuracy of a fiber optic probe without the need of a control vessel and the time consuming set up.



“iWave is a true breakthrough. It represents one of the most significant advancements in microwave digestion in the last two decades. Temperature measurement and control are the most important parameters in microwave digestion. Now, for the first time, we are able to accurately measure the direct internal temperature of each vessel, which allows you to drastically simplify the overall process. This increased performance will expand the use of microwave digestion to new and more challenging applications,” commented Michael J. Collins, President and CEO of CEM Corporation. “The other added benefit of iWave, is that it will be completely field upgradable, to ensure our large customer base is able to take advantage of this new advanced technology. As pioneers of microwave chemistry, CEM

continues to innovate with the goal of simplifying methodology, while improving performance. iWave is the latest example of this innovation.”

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CEM Corporation, a private company based in Matthews, North Carolina, is a leading provider of microwave laboratory instrumentation. The Company has subsidiaries in the United Kingdom, Germany, Italy, France, and Japan, as well as a global network of distributors. CEM designs and manufactures systems for life sciences, analytical laboratories and processing plants worldwide. The Company's products are used in many industries including pharmaceutical, biotech, chemical and food processing, as well as academic research.

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