Press Release
for Immediate Release
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QUANTACHROME INSTRUMENTS ANNOUNCES THE RELEASE OF THE NEW MILLPREP™ MICRO BALL MILL

SUMMARY
Quantachrome introduces the MillPrep™ a micro ball mill for the preparation of materials as fine powders. These powders can be used for subsequent analysis or in reaction with other reagents.

The MillPrep™ is a compact, easy-to-use ball mill capable of grinding a variety of materials, such as biomass, rubber, plastic, minerals, etc. into a fine powder in seconds.

INTRODUCTION
Quantachrome announces the release of the MillPrep™ micro ball mill, the latest sample preparation laboratory instrument for grinding and pulverizing a wide variety of materials for laboratory analysis or reaction.

Rapid, reproducible grinding of virtually any material is possible using the MillPrep™ micro ball mill. Coarse powders, granules, and pellets are quickly reduced to a fine powder for pressing into wafers or direct laboratory analysis. Even difficult materials, such as paper, soft wood, and biomass can be pulverized in seconds! Accessories are also available for cell disruption of tissue samples and homogenizing slurries and suspensions. Samples may be frozen in liquid nitrogen (accessory available) to facilitate grinding of soft materials such as rubber.

A large variety of grinding jar sizes and materials, as well as mixing vials and other accessories provide for versatility and flexibility. The basic mill can be used for grinding biomass and then quickly be converted into a high-energy mixer for homogenizing slurries or disrupting cells for further analysis. One instrument can fill a variety of mixing and grinding needs.

The MillPrep is available in a stainless steel cabinet for use in pharmaceutical applications or the standard painted cabinet for all other applications. The MillPrep comes in 100, 115, and 230 volt, 50/60 Hz models.

Simple digital front-panel controls provide complete control of vibrational frequency (3 to 30 Hz) and shaking time (5 sec to 99 min or hold). The self-centering clamping system allows for rapid loading and unloading of sample jars, while ensuring proper balance of the vibrating arms. The small footprint of the MillPrep is space efficient utilizing very little bench space.

Quantachrome Instruments, founded in 1968, is a world leader in the design, manufacture, sales, and service support of analytical instrumentation for characterizing properties of porous materials and powders, specializing in multi-sample-station instruments and state-of-the-art technologies. This ISO 9001:2008 registered company also offers renowned scientific application support. Dedicated to providing the highest quality scientific instrumentation and product lifetime support, Quantachrome has more than 50 sales, service, and distribution offices worldwide.

For more information contact qc.sales@quantachrome.com, or go to http://www.quantachrome.com