

January 16, 2007



## **Data Highlighting Advantages of PCT in Agricultural Research Presented at International Genomics Conference**

WEST BRIDGEWATER, Mass.--(BUSINESS WIRE)--

Pressure BioSciences, Inc. (NASDAQ: PBIO) today announced that data highlighting the advantages of pressure cycling technology (PCT) in agricultural research have been presented at the International Plant and Animal Genomes XV Conference in San Diego, CA. This project used the Barocycler NEP3229 PCT Sample Preparation System (PCT SPS) and was carried out by the Root Disease and Biological Control Research Unit, Agricultural Research Service (ARS), United States Department of Agriculture (USDA), Pullman, Washington.

The presentation, entitled "Pressure Cycling Technology Sample Preparation System (PCT SPS) Improves Quantification of Pathogen DNA in Plants and Soil", focused primarily on the detection and quantification of pathogens that cause yield-limiting disease in wheat and barley. The study found that PCT generated detectable amounts of pathogen DNA "from wheat roots that were previously recalcitrant to homogenization". The study also reported that PCT improved the extraction of pathogen DNA "from agricultural soils up to 16-fold, compared to samples without the pressure cycling treatment". The study concluded by stating that PCT "confers a significant advantage in germplasm screening, food security assessment, and characterization of host-microbe interactions".

Richard T. Schumacher, Founder, President, and CEO of Pressure BioSciences, commented: "Data generated and reported by USDA-ARS researchers and their collaborators clearly show the advantages of PCT over other current methods of sample preparation in agricultural research. We are pleased that scientists from laboratories that have purchased or leased the NEP3229 PCT SPS continue to publish important data on the use of PCT, and to present their findings at scientific conferences. And we are of course looking forward to installing the PCT SPS in a number of additional laboratories during 2007."

About Pressure BioSciences, Inc.

Pressure BioSciences, Inc. (PBI) is a publicly traded, early-stage company focused on the development of a novel, enabling technology called Pressure Cycling Technology (PCT). PCT uses cycles of hydrostatic pressure between ambient and ultra-high levels (up to 35,000 psi and greater) to control bio-molecular interactions. PBI currently holds 13 US and 5 foreign patents covering multiple applications of PCT in the life sciences field, including such areas as genomic and proteomic sample preparation, pathogen inactivation, the control of enzymes, immunodiagnostics, and protein purification.

## Forward Looking Statements

Statements contained in this press release regarding the Company's intentions, hopes, beliefs, expectations, or predictions of the future are "forward-looking" statements within the meaning of the Private Securities Litigation Reform Act of 1995. These statements include the USDA-ARS' use of the PCT SPS and the results of the USDA-ARS studies as presented at the International Plant and Animal Genome Conference. These statements are based upon the Company's current expectations, forecasts, and assumptions that are subject to risks, uncertainties, and other factors that could cause actual outcomes and results to differ materially from those indicated by these forward-looking statements. These risks, uncertainties, and other factors include, but are not limited to: unforeseen technological difficulties that the Company may encounter in the development of the PCT technology and the PCT SPS, the possibility that the Company's and other experiments may not continue to demonstrate the effective use of PCT in the extraction of nucleic acids from beneficial and pathogenic plant microbes, the possibility that the Company's PCT technology may not be accepted by the commercial market as a method for use in agricultural studies, the possibility that the Company may not install PCT Sample Preparation Systems to additional accounts during 2007, and the other risks and uncertainties discussed under the heading "Risk Factors" in the Company's Quarterly Report on Form 10-QSB for the quarter ended September 30, 2006, in the Company's Annual Report on Form 10-KSB, as amended, for the year ended December 31, 2005, and other reports filed by the Company from time to time with the SEC. The Company undertakes no obligation to update any of the information included in this release, except as otherwise required by law.

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Source: Pressure BioSciences, Inc.