PBI Pressure BioSciences Inc.

PCT NEWS

OTCQB: PBIO

Discovery Starts With Sample Preparation™

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Pressure Cycling Technology (PCT) A Powerful Tool for the Centralized Lab

Five Diverse Publications from Two Centralized Mass Spec Labs

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PBI Barocyclers enable centralized laboratories the ability to offer PCT-enhanced homogenization, extraction and digestion of cells and tissues as a standard protocol and service to their clients.

The following are recent publications from centralized laboratories at Purdue University and the University of Minnesota.

Purdue University

Digestion, Purification, and Enrichment of Protein Samples for Mass Spectrometry

Victoria E. Hedrick, Mercedes N. LaLand,Ernesto S. Nakayasu, Lake N. Paul Published Online: 1 SEP 2015 Curr. Protoc. Chem. Biol. 7:201-222. doi: 10.1002/9780470559277.ch140272

Exploring simvastatin, an antihyperlipidemic drug, as a potential topical antibacterial agent.

Thangamani S, Mohammad H, Abushahba MFN, et al.Scientific Reports. 2015;5:16407. doi:10.1038/srep16407

University of MN Center for Mass Spec & Proteomics

Protein relative abundance patterns associated with sucrose-induced dysbiosis are conserved across taxonomically diverse oral microcosm biofilm models of dental caries.

Rudney JD, Jagtap PD, Reilly CS, Chen R, Markowski TW, Higgins L, Johnson JE, Griffin TJ.

Microbiome. 2015 Dec 19;3(1):69. doi: 10.1186/s40168-015-0136-z.

An O-Methyltransferase Is Required for Infection of Tick Cells by Anaplasma phagocytophilum.

Oliva Chávez AS, Fairman JW, Felsheim RF, Nelson CM, Herron MJ, Higgins L, Burkhardt NY, Oliver JD, Markowski TW, Kurtti TJ, Edwards TE, Munderloh UG. PLoS Pathog. 2015 Nov 6;11(11):e1005248. doi: 10.1371/journal.ppat.1005248.

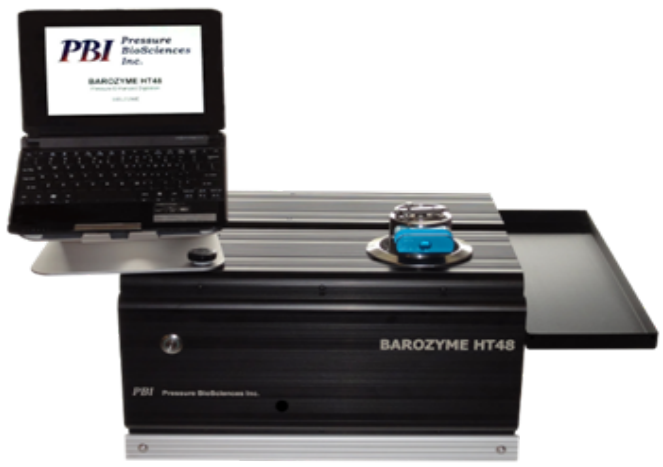
Quantitative analysis of the murine lipid droplet-associated proteome during diet-induced hepatic steatosis.

Khan SA, Wollaston-Hayden EE, Markowski TW, Higgins L, Mashek DG.

J Lipid Res. 2015 Dec;56(12):2260-72. doi: 10.1194/jlr.M056812. Epub 2015 Sep 28.

Pressure BioSciences Barozyme HT-48

- **Rapid Protein Digestion (hours to minutes)**
- **Unprecedented Speed and Reproducibility with Pressure Cycling Technology (PCT)**
- **Compatability with 96 well plate formats.**



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