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Pressure BioSciences Announces Significant New Order and Near Sellout on Revolutionary Nanoemulsification System for Water-Soluble CBD Oil

New Order for Six BaroShear K45 Systems Brings Total to Nine Orders Received for Company's New Ultra Shear Technology™ Based Platform. Additional Orders Expected Shortly Would Sell Out Planned Initial Build of 12 Systems, with Approximate Total Value of \$2.4 Million.

SOUTH EASTON, Mass., Jan. 24, 2020 /PRNewswire/ -- Pressure BioSciences, Inc. (OTCQB: PBIO) ("PBI" or the "Company"), a leader in the development and sale of broadly enabling, pressure-based instruments, consumables, and platform technology solutions to the worldwide life sciences and other industries, today announced that the Company has received a purchase order from a new customer for six (6) proprietary Ultra Shear Technology™ ("UST™")-based nanoemulsification systems for processing CBD Oil into stable, effectively water-soluble, highly absorbable nanoemulsions of oil in water. Such nanoemulsions are expected to exhibit levels of bioavailability that far exceed the bioavailability of today's macro or microemulsions of CBD Oil.

CBD is extracted from the hemp plant in an oil. As with any oil-based product, it is difficult for the water-based biology of the human body to access and absorb CBD molecules from relatively large hemp oil drops. This poor and variable absorption of CBD results in low and variable bioavailability of the CBD molecule in the body. Low or widely varying levels of absorption and bioavailability of CBD adversely impacts the effective delivery of the potential benefits of many CBD products on the market today.

The purchase order for six BaroShear K45 systems was placed by Mr. Jason Ellis, President of Vegas CBD Factory. When asked about his order, Mr. Ellis commented: "As consumers rush to try, use and adopt CBD-infused products, it is important to realize that the CBD in the product should be in a high-quality, water-soluble and reliably dosed form. Proper dosing levels with high bioavailability of CBD from ingested products will in turn increase the chance for the consumer to achieve and optimize the potential beneficial effects of the CBD."

Mr. Ellis continued: "Understanding and addressing this issue is a pivotal challenge for the CBD industry. At Vegas CBD Factory, we have spent a significant amount of time searching for the best method available to make high-quality nanoemulsions of CBD oil. We have concluded that PBI's proprietary UST-based platform is the best technology available for achieving optimized dosing and have concluded that to give our customers the best CBD-based product, we should be processing our material using the BaroShear K45 nanoemulsification platform. Consequently, we have placed an initial order for six K45

systems."

Kenneth F. Micciche, Director of PBI's UST Program, said: "Recent BaroShear K45 instrument development efforts and demonstrations have propelled a refreshed sales effort for this innovative instrument system since the beginning of 2020. In the first three weeks of this new marketing initiative, we have secured an order for six BaroShear K45 systems and have genuine interest in additional purchases for many more units. We are excited and inspired to see our aggressive new marketing efforts for the BaroShear K45 taking such a strong early hold, and we anticipate further significant orders in the days and weeks ahead."

Richard T. Schumacher, President and CEO of PBI, commented: "In addition to the new order for six BaroShear K45 systems, there are numerous additional groups who have shown high levels of interest in acquiring the new BaroShear K45 nanoemulsification system. Our team is diligently following up with these interested parties; we believe that several of these groups will be placing purchase orders with us in the very near future. These are very exciting times for all PBI stakeholders."

About Pressure BioSciences, Inc.

Pressure BioSciences, Inc. (OTCQB: PBIO) is a leader in the development and sale of innovative, broadly enabling, pressure-based solutions for the worldwide life sciences and other industries. Our products are based on the unique properties of both constant (i.e., static) and alternating (i.e., pressure cycling technology, or PCT) hydrostatic pressure. PCT is a patented enabling technology platform that uses alternating cycles of hydrostatic pressure between ambient and ultra-high levels to safely and reproducibly control bio-molecular interactions (e.g., cell lysis, biomolecule extraction). Our primary focus is in the development of PCT-based products for biomarker and target discovery, drug design and development, biotherapeutics characterization and quality control, soil & plant biology, forensics, and counter-bioterror applications. Additionally, major new market opportunities have emerged in the use of our pressure-based technologies in the following areas: (1) the use of our recently acquired, patented technology from BaroFold, Inc. (the "BaroFold" technology) to allow entry into the bio-pharma contract services sector, and (2) the use of our recently-patented, scalable, high-efficiency, pressure-based Ultra Shear Technology ("UST") platform to (i) create stable nanoemulsions of otherwise immiscible fluids (e.g., oils and water) and to (ii) prepare higher quality, homogenized, extended shelf-life or room temperature stable low-acid liquid foods that cannot be effectively preserved using existing non-thermal technologies.

Forward Looking Statements

This press release contains forward-looking statements. These statements relate to future events or our future financial performance and involve known and unknown risks, uncertainties and other factors that may cause our or our industry's actual results, levels of activity, performance or achievements to be materially different from any future results, levels of activity, performance or achievements expressed, implied or inferred by these forward-looking statements. In some cases, you can identify forward-looking statements by terminology such as "may," "will," "should," "could," "would," "expects," "plans," "intends," "anticipates," "believes," "estimates," "predicts," "projects," "potential" or "continue" or the negative of such terms and other comparable terminology. These statements are only predictions based on our current expectations and projections about future events. You should not place undue reliance on these statements. In evaluating these statements, you

should specifically consider various factors. Actual events or results may differ materially. These and other factors may cause our actual results to differ materially from any forward-looking statement. These risks, uncertainties, and other factors include, but are not limited to, the risks and uncertainties discussed under the heading "Risk Factors" in the Company's Annual Report on Form 10-K for the year ended December 31, 2018, 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. Due to rounding, numbers presented throughout this and other documents may not add up precisely to the totals provided and percentages may not precisely reflect the absolute figures.

For more information about PBI and this press release, please click on the following website link:

<http://www.pressurebiosciences.com>

Please visit us on Facebook, LinkedIn, and Twitter.

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