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## **DEFENCE THERAPEUTICS INITIATES LUNG CANCER TREATMENT PROGRAM WITH ITS NOVEL ACCUTOX™ FORMULATION VIA INTRANASAL**

**Vancouver, BC, Canada, October 12<sup>th</sup>, 2022** - Defence Therapeutics Inc. (“**Defence**” or the “**Company**”), a Canadian biopharmaceutical company specialized in the development of immunology vaccines and drug delivery technologies, is pleased to report the start of a pre-clinical program using its novel patent pending technology AccuTOX™. The novel AccuTOX™ formulation is designed for the treatment of lung cancer including various types of malignancy of the upper or lower respiratory tracks. The AccuTOX™ will be delivered intranasal to effectively deliver the AccuTOX™ into the transmucosal and will target the lungs. Future programs may expand into targeting various malignancy of the upper and lower respiratory.

The AccuTOX™ technology is an Accum™ variant developed by Defence Therapeutics to specifically halt tumor growth when administered intratumorally. The use of this compound in combination with various immune-checkpoints results in a substantial cure rate. At the molecular level, AccuTOX™ impairs several crucial cellular pathways exploited by tumors such as: DNA replication, cell division, nuclear integrity, and various modifications affecting the genome. The net outcome culminates in limited cell repair as well as accumulation of misfolded proteins and generation of free radicals capable of eliciting irreversible DNA damage. AccuTOX™ causes the overall cellular equilibrium to collapse consequently resulting in effective diseased cell death.

Small cell lung cancer, lung carcinoid tumor and non-small cell lung cancer are three different types of lung cancer. Global lung cancer therapeutics market was valued at USD 24,667.82 million in 2021 and is expected to reach USD 54,475.11 million by 2029, registering a CAGR of 10.41% during the forecast period of 2022-2029.

<https://www.databridgemarketresearch.com/reports/global-lung-cancer-therapeutics-market>

"AccuTOX™ represents a key player in Defence’s research and development programs. This molecule is not only suitable for combinatory therapies with immune-checkpoints or in the design of a novel antibody-drug conjugate, but it can be also exploited as a treatment for "hard-to-reach" tumors such as lung cancer. With the Accum™ technology in hand, Defence Therapeutics intends to become a word leader by providing a new line of products capable of accumulating in target

cells while exhibiting unheralded pharmacological properties", says Mr. Plouffe, the CEO of Defence Therapeutics.

**About Defence:**

Defence Therapeutics is a publicly-traded biotechnology company working on engineering the next generation vaccines and ADC products using its proprietary platform. The core of Defence Therapeutics platform is the ACCUM™ technology, which enables precision delivery of vaccine antigens or ADCs in their intact form to target cells. As a result, increased efficacy and potency can be reached against catastrophic illness such as cancer and infectious diseases.

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**Cautionary Statement Regarding “Forward-Looking” Information**

This release includes certain statements that may be deemed "forward-looking statements". All statements in this release, other than statements of historical facts, that address events or developments that the Company expects to occur, are forward-looking statements. Forward-looking statements are statements that are not historical facts and are generally, but not always, identified by the words "expects", "plans", "anticipates", "believes", "intends", "estimates", "projects", "potential" and similar expressions, or that events or conditions "will", "would", "may", "could" or "should" occur. Although the Company believes the expectations expressed in such forward-looking statements are based on reasonable assumptions, such statements are not guarantees of future performance and actual results may differ materially from those in the forward-looking statements. Factors that could cause the actual results to differ materially from those in forward-looking statements include regulatory actions, market prices, and continued availability of capital and financing, and general economic, market or business conditions. Investors are cautioned that any such statements are not guarantees of future performance and actual results or developments may differ materially from those projected in the forward-looking statements. Forward-looking statements are based on the beliefs, estimates and opinions of the Company's management on the date the statements are made. Except as required by applicable securities laws, the Company undertakes no obligation to update these forward-looking statements in the event that management's beliefs, estimates or opinions, or other factors, should change.

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