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PRESS RELEASE

DEFENCE THERAPEUTICS ACCUM™ VARIANTS IN VITRO STUDY INCREASES THE POTENCY OF T-DERUXTECAN ADC BY 5-FOLD ON BREAST CANCER

Vancouver, BC, Canada, October 13th, 2021 - Defence Therapeutics Inc. (“**Defence**” or the “**Company**”), a biotechnology company working on cancer therapeutics and infectious disease vaccines is pleased to announce strong *in vitro* results of its Accum™ variants on the recent Enhertu® (fam-trastuzumab-deruxtecan-nxki) ADC owned by AstraZeneca and Daiichi Sankyo.

Defence has successfully selected and tested 5 Accum™ variants to the T-deruxtecan ADC Therapeutic. The 5 selected Accum-T-deruxtecan increases the potency of T-deruxtecan ADC Therapeutic by approximately 5-fold on the HER2 positive breast cancer Trastuzumab and T-DM1 resistant cell line model named JIMT-1. At concentration of 0.001 ug/ml, T-deruxtecan only induce approximately 13% of cytotoxicity comparatively to the 5 Accum-T-deruxtecan variants that increase the cytotoxicity by 21-37%.

The 5 selected Accum™ variants will be sent to our collaborator at the HUS Comprehensive Cancer Center in Helsinki, Finland for the optimization of Defence's Accum-T-deruxtecan ADC Therapeutic.

Defence’s Accum™ platform has been developed and tested *in vitro* to enhance the intracellular drug delivery on multiple ADCs that are FDA approved or under development. The Accum™ technology platform is very efficient at enhancing intracellular delivery of proteins of pharmacological interests such as ADCs or vaccine antigens.

“The strong results confirmed the expectation of our scientific team that the Accum™ can increase the routing and delivery of the T-deruxtecan to the nucleus and consequently increased more significantly the potency of the ADC. That confirms also and again the strength and optimization of our Accum™ platform in the ADC field of therapeutics against cancer and the solid competitive advantage we have with our Accum™ variants derived from our Accum™ technology platform”, says Mr. Sebastien Plouffe, CEO of Defence Therapeutics.

According to Facts and Factors market research report, the Global Breast Cancer Treatment

Market size & share revenue is expected to grow from USD 19.24 Billion in 2019 to reach USD 34.06 Billion by 2026, at 8.5% annual CAGR growth during forecast period of 2021-2026.

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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