

Zentek Granted Second Patent from the Canadian Intellectual Patent Office

written by Raj Shah | May 27, 2024

May 27, 2024 ([Source](#)) – **Zentek Ltd.** (“**Zentek**” or the “**Company**”) (Nasdaq:ZTEK)(TSXV:ZEN), an intellectual property technology development and commercialization company has received a second patent by the Canadian Intellectual Property Office titled: Graphene Oxide-Cationic Silver (GO-Ag+) Nanocomposites and Their Use as a Broad-Spectrum Antimicrobial Agent and includes a total of 64 successful claims. The Company also applied for this patent with the United States Patent and Trademark Office. The patent claims the novel GO-Ag+ compound, that is the active ingredient for ZenGUARD™, as an effective agent against both regular and resistant bacteria, fungi and viruses. The patent claims liquid, powder and ointments that use GO-Ag+ as the active ingredient.

Zentek continues to do extensive work with GO-Ag+ in collaboration with the University of Guelph. In previous research, GO-Ag+ demonstrated substantially higher cytotoxicity against gram positive and negative bacteria than for human epithelial cells. In current research, the efficacy of GO-Ag+ is being studied to prevent and eliminate biofilms which is a critical challenge for wound care and various medical devices. These results, along with the new patent support future work to develop GO-Ag+ based products for medical and veterinarian markets including wound care products.

“We are very pleased to expand the use case and patent protection of the GO-Ag+ active ingredient in ZenGUARD™ and we see this as another important milestone in our IP

commercialization strategy,” said Greg Fenton, CEO of Zentek. “Now that we have secured a patent for our GO-Ag+ formulation as a therapeutic that could apply to both human and veterinary medicine, we will focus on how to maximize shareholder value from this opportunity while balancing the other priorities of the Company.”

About Zentek Ltd.

Zentek is an ISO 13485:2016 certified intellectual property technology company focused on the research, development and commercialization of novel products seeking to give the company’s commercial partners a competitive advantage by making their products better, safer, and greener.

Zentek’s patented technology platform ZenGUARD™, is shown to significantly increase the bacterial and viral filtration efficiency of both surgical masks and HVAC (heating, ventilation, and air conditioning) systems. Zentek’s ZenGUARD™ production facility is located in Guelph, Ontario.

Zentek, through its wholly owned subsidiary, Trieria Biosciences Ltd., has a global exclusive licence to the aptamer-based platform technology developed by McMaster University, which is being jointly developed by Zentek and McMaster for both the diagnostic and therapeutic markets.

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To find out more about Zentek, please visit our website at www.Zentek.com. A copy of this news release and all material

documents in respect of the Company may be obtained on Zentek's SEDAR+ profile at <http://www.sedarplus.ca/>.

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